



# **TEP Rocky Mountain LLC**

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

**NR 23-3 Pad**

**NR 542-3 - Slot NR 542-3**

**OH**

**Plan: Plan #2**

## **Standard Planning Report**

**15 September, 2020**



Project: Garfield Co., CO (NAD83)  
 Site: NR 23-3 Pad  
 Well: NR 542-3  
 Wellbore: OH  
 Design: Plan #2  
 Lat: 39.554125  
 Long: -107.878975  
 GL: 6728.00  
 KB: KB=24' @ 6752.00usft (H&P 318)

## WELL DETAILS: NR 542-3

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
0.00	0.00	1635500.90	2329283.20	39.554125	-107.878975	NR 542-3

## WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
NR 542-3 KMW	7462.00	569.50	3303.72	1635983.70	2332600.70	Circle (Radius: 50.00)
NR 542-3 PBHL	10042.00	569.50	3303.72	1635983.70	2332600.70	Point

## SECTION DETAILS

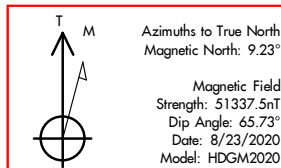
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
120.00	0.00	0.00	120.00	0.00	0.00	0.00	0.00	0.00	Build 3.00
1119.97	30.00	80.22	1074.90	43.46	252.14	3.00	80.22	255.86	5169.88 hold
6289.85	30.00	80.22	5552.19	482.57	2799.44	0.00	0.00	2840.73	Drop -1.50
8289.79	0.00	0.00	7462.00	569.50	3303.72	1.50	180.00	3352.45	2580.00 hold
10869.79	0.00	0.00	10042.00	569.50	3303.72	0.00	0.00	3352.45	TD at 10869.79

## CASING DETAILS

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

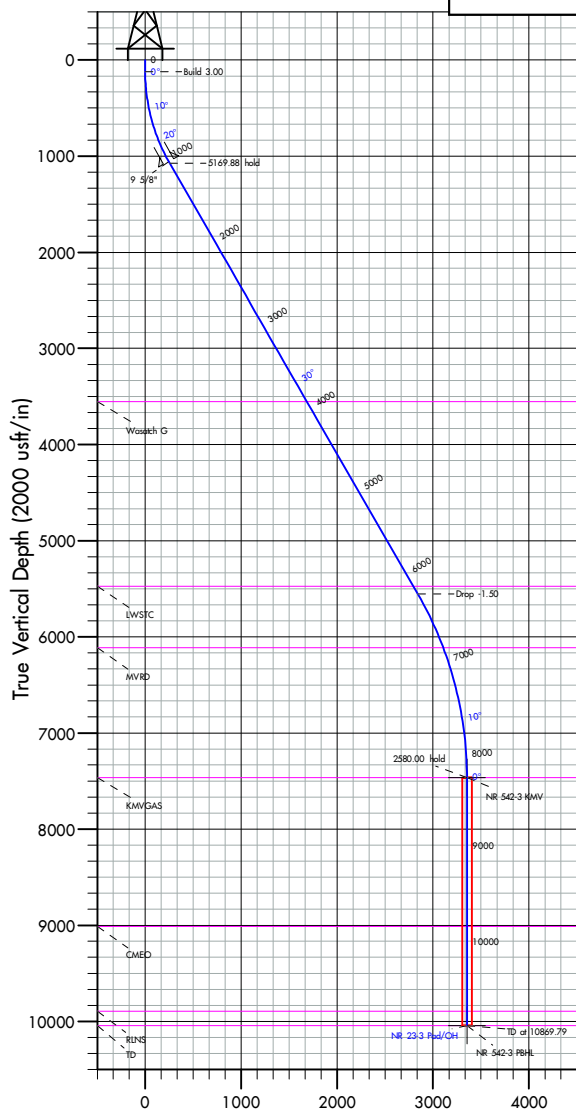
## FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3552.00	3980.25	Wasatch G
5472.00	6197.26	LWSTC
6112.00	6909.98	MVRD
7462.00	8289.79	KMVGAS
9012.00	9839.79	CMEC
9892.00	10719.79	RLNS
10042.00	10869.79	TD

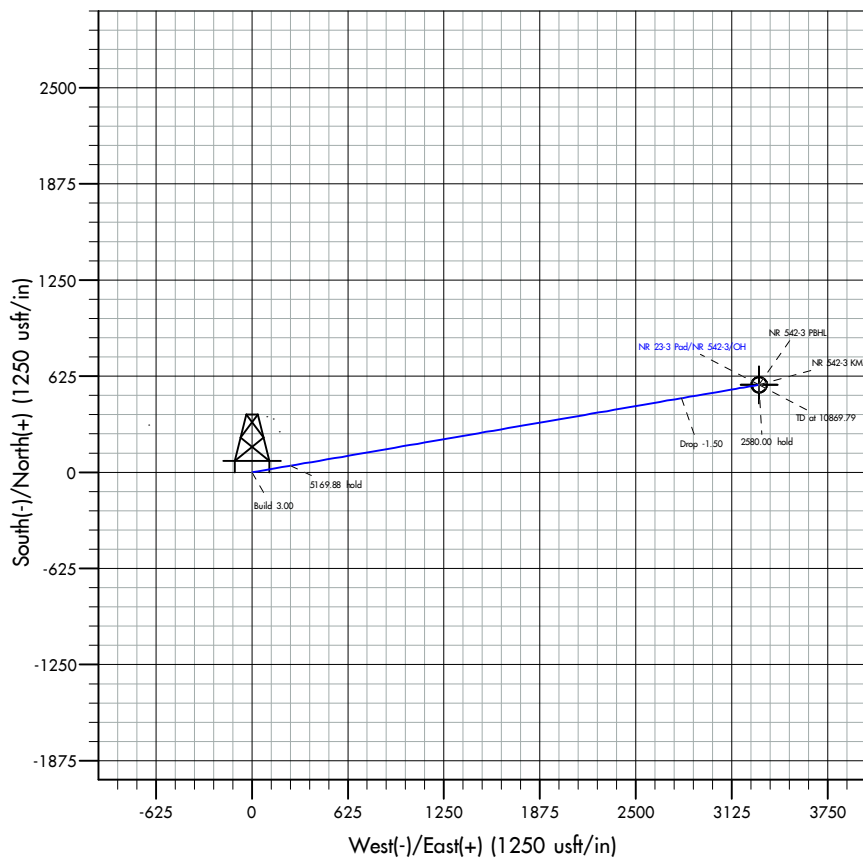


## SLOTS

Slot Name	+N/-S	+E/-W	Northing	Easting
NR 32-4	57.97	-47.63	1635560.10	2329237.10
NR 331-3	34.67	-28.42	1635536.30	2329255.70
NR 332-4	51.37	-55.26	1635553.70	2329229.30
NR 333-4	28.06	-36.35	1635529.90	2329247.60
NR 33-4	33.93	-41.20	1635535.90	2329242.90
NR 343-4	5.15	-17.14	1635506.50	2329266.20
NR 344-36	52.10	-42.88	1635554.10	2329241.70
NR 42-3	11.35	-9.60	1635512.50	2329273.90
NR 431-3	28.79	-23.66	1635530.30	2329260.30
NR 432-4	45.60	-50.41	1635547.80	2329234.00
NR 433-4	22.58	-31.60	1635524.30	2329252.20
NR 43-4	10.93	-21.99	1635512.40	2329261.50
NR 441-3	23.00	-19.21	1635524.40	2329264.60
NR 442-3	5.48	-4.75	1635506.50	2329278.60
NR 443-4	-0.72	-12.39	1635500.50	2329270.80
NR 444-36	46.32	-38.03	1635548.20	2329246.40
NR 532-4	39.71	-45.96	1635541.80	2329238.30
NR 533-4	16.81	-26.75	1635518.40	2329256.90
NR 541-3	17.13	-14.35	1635518.40	2329269.30
NR 542-3	0.00	0.00	1635500.90	2329283.20
NR 543-4	-6.50	-7.63	1635494.60	2329275.40
NR 544-36	40.44	-33.27	1635542.20	2329251.00



Vertical Section at 80.22° (2000 usft/in)



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well NR 542-3 - Slot NR 542-3
<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 542-3	<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 542-3 - Slot NR 542-3			
<b>Well Position</b>	<b>+N/-S</b>	0.00 usft	<b>Northing:</b>	1,635,500.90 usft
	<b>+E/-W</b>	0.00 usft	<b>Easting:</b>	2,329,283.20 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	80.22

<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	10,869.79 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	
1,119.97	30.00	80.22	1,074.90	43.46	252.14	3.00	3.00	0.00	80.22	
6,289.85	30.00	80.22	5,552.19	482.57	2,799.44	0.00	0.00	0.00	0.00	
8,289.79	0.00	0.00	7,462.00	569.50	3,303.72	1.50	-1.50	0.00	180.00	
10,869.79	0.00	0.00	10,042.00	569.50	3,303.72	0.00	0.00	0.00	0.00	NR 542-3 PBHL

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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 542-3	<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	80.22	199.98	0.28	1.65	1.68	3.00	3.00	0.00
300.00	5.40	80.22	299.73	1.44	8.35	8.48	3.00	3.00	0.00
400.00	8.40	80.22	399.00	3.48	20.19	20.49	3.00	3.00	0.00
500.00	11.40	80.22	497.50	6.40	37.13	37.68	3.00	3.00	0.00
600.00	14.40	80.22	594.96	10.19	59.13	60.00	3.00	3.00	0.00
700.00	17.40	80.22	691.13	14.85	86.12	87.39	3.00	3.00	0.00
800.00	20.40	80.22	785.72	20.35	118.04	119.78	3.00	3.00	0.00
900.00	23.40	80.22	878.50	26.68	154.79	157.08	3.00	3.00	0.00
1,000.00	26.40	80.22	969.19	33.84	196.28	199.18	3.00	3.00	0.00
1,100.00	29.40	80.22	1,057.56	41.78	242.39	245.96	3.00	3.00	0.00
<b>9 5/8"</b>									
1,119.97	30.00	80.22	1,074.90	43.46	252.14	255.86	3.00	3.00	0.00
<b>5169.88 hold</b>									
1,200.00	30.00	80.22	1,144.21	50.26	291.57	295.87	0.00	0.00	0.00
1,300.00	30.00	80.22	1,230.82	58.75	340.84	345.87	0.00	0.00	0.00
1,400.00	30.00	80.22	1,317.42	67.25	390.12	395.87	0.00	0.00	0.00
1,500.00	30.00	80.22	1,404.02	75.74	439.39	445.87	0.00	0.00	0.00
1,600.00	30.00	80.22	1,490.63	84.24	488.66	495.87	0.00	0.00	0.00
1,700.00	30.00	80.22	1,577.23	92.73	537.93	545.87	0.00	0.00	0.00
1,800.00	30.00	80.22	1,663.83	101.22	587.20	595.86	0.00	0.00	0.00
1,900.00	30.00	80.22	1,750.44	109.72	636.48	645.86	0.00	0.00	0.00
2,000.00	30.00	80.22	1,837.04	118.21	685.75	695.86	0.00	0.00	0.00
2,100.00	30.00	80.22	1,923.64	126.70	735.02	745.86	0.00	0.00	0.00
2,200.00	30.00	80.22	2,010.25	135.20	784.29	795.86	0.00	0.00	0.00
2,300.00	30.00	80.22	2,096.85	143.69	833.56	845.86	0.00	0.00	0.00
2,400.00	30.00	80.22	2,183.45	152.18	882.84	895.86	0.00	0.00	0.00
2,500.00	30.00	80.22	2,270.06	160.68	932.11	945.85	0.00	0.00	0.00
2,600.00	30.00	80.22	2,356.66	169.17	981.38	995.85	0.00	0.00	0.00
2,700.00	30.00	80.22	2,443.26	177.66	1,030.65	1,045.85	0.00	0.00	0.00
2,800.00	30.00	80.22	2,529.87	186.16	1,079.92	1,095.85	0.00	0.00	0.00
2,900.00	30.00	80.22	2,616.47	194.65	1,129.20	1,145.85	0.00	0.00	0.00
3,000.00	30.00	80.22	2,703.07	203.15	1,178.47	1,195.85	0.00	0.00	0.00
3,100.00	30.00	80.22	2,789.67	211.64	1,227.74	1,245.85	0.00	0.00	0.00
3,200.00	30.00	80.22	2,876.28	220.13	1,277.01	1,295.85	0.00	0.00	0.00
3,300.00	30.00	80.22	2,962.88	228.63	1,326.28	1,345.84	0.00	0.00	0.00
3,400.00	30.00	80.22	3,049.48	237.12	1,375.56	1,395.84	0.00	0.00	0.00
3,500.00	30.00	80.22	3,136.09	245.61	1,424.83	1,445.84	0.00	0.00	0.00
3,600.00	30.00	80.22	3,222.69	254.11	1,474.10	1,495.84	0.00	0.00	0.00
3,700.00	30.00	80.22	3,309.29	262.60	1,523.37	1,545.84	0.00	0.00	0.00
3,800.00	30.00	80.22	3,395.90	271.09	1,572.64	1,595.84	0.00	0.00	0.00
3,900.00	30.00	80.22	3,482.50	279.59	1,621.92	1,645.84	0.00	0.00	0.00
3,980.25	30.00	80.22	3,552.00	286.40	1,661.46	1,685.96	0.00	0.00	0.00
<b>Wasatch G</b>									
4,000.00	30.00	80.22	3,569.10	288.08	1,671.19	1,695.84	0.00	0.00	0.00
4,100.00	30.00	80.22	3,655.71	296.57	1,720.46	1,745.83	0.00	0.00	0.00
4,200.00	30.00	80.22	3,742.31	305.07	1,769.73	1,795.83	0.00	0.00	0.00
4,300.00	30.00	80.22	3,828.91	313.56	1,819.00	1,845.83	0.00	0.00	0.00
4,400.00	30.00	80.22	3,915.52	322.06	1,868.28	1,895.83	0.00	0.00	0.00
4,500.00	30.00	80.22	4,002.12	330.55	1,917.55	1,945.83	0.00	0.00	0.00

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<b>Well:</b>	NR 542-3	<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	30.00	80.22	4,088.72	339.04	1,966.82	1,995.83	0.00	0.00	0.00
4,700.00	30.00	80.22	4,175.33	347.54	2,016.09	2,045.83	0.00	0.00	0.00
4,800.00	30.00	80.22	4,261.93	356.03	2,065.36	2,095.82	0.00	0.00	0.00
4,900.00	30.00	80.22	4,348.53	364.52	2,114.64	2,145.82	0.00	0.00	0.00
5,000.00	30.00	80.22	4,435.14	373.02	2,163.91	2,195.82	0.00	0.00	0.00
5,100.00	30.00	80.22	4,521.74	381.51	2,213.18	2,245.82	0.00	0.00	0.00
5,200.00	30.00	80.22	4,608.34	390.00	2,262.45	2,295.82	0.00	0.00	0.00
5,300.00	30.00	80.22	4,694.95	398.50	2,311.72	2,345.82	0.00	0.00	0.00
5,400.00	30.00	80.22	4,781.55	406.99	2,360.99	2,395.82	0.00	0.00	0.00
5,500.00	30.00	80.22	4,868.15	415.48	2,410.27	2,445.82	0.00	0.00	0.00
5,600.00	30.00	80.22	4,954.76	423.98	2,459.54	2,495.81	0.00	0.00	0.00
5,700.00	30.00	80.22	5,041.36	432.47	2,508.81	2,545.81	0.00	0.00	0.00
5,800.00	30.00	80.22	5,127.96	440.97	2,558.08	2,595.81	0.00	0.00	0.00
5,900.00	30.00	80.22	5,214.57	449.46	2,607.35	2,645.81	0.00	0.00	0.00
6,000.00	30.00	80.22	5,301.17	457.95	2,656.63	2,695.81	0.00	0.00	0.00
6,100.00	30.00	80.22	5,387.77	466.45	2,705.90	2,745.81	0.00	0.00	0.00
6,197.26	30.00	80.22	5,472.00	474.71	2,753.82	2,794.43	0.00	0.00	0.00
<b>LWSTC</b>									
6,200.00	30.00	80.22	5,474.38	474.94	2,755.17	2,795.81	0.00	0.00	0.00
6,289.85	30.00	80.22	5,552.19	482.57	2,799.44	2,840.73	0.00	0.00	0.00
<b>Drop -1.50</b>									
6,300.00	29.85	80.22	5,560.99	483.43	2,804.43	2,845.79	1.50	-1.50	0.00
6,400.00	28.35	80.22	5,648.36	491.69	2,852.35	2,894.42	1.50	-1.50	0.00
6,500.00	26.85	80.22	5,736.98	499.56	2,898.00	2,940.74	1.50	-1.50	0.00
6,600.00	25.35	80.22	5,826.79	507.03	2,941.35	2,984.73	1.50	-1.50	0.00
6,700.00	23.85	80.22	5,917.71	514.10	2,982.37	3,026.35	1.50	-1.50	0.00
6,800.00	22.35	80.22	6,009.69	520.77	3,021.03	3,065.58	1.50	-1.50	0.00
6,900.00	20.85	80.22	6,102.67	527.02	3,057.30	3,102.39	1.50	-1.50	0.00
6,909.98	20.70	80.22	6,112.00	527.62	3,060.78	3,105.93	1.50	-1.50	0.00
<b>MVRD</b>									
7,000.00	19.35	80.22	6,196.58	532.86	3,091.16	3,136.75	1.50	-1.50	0.00
7,100.00	17.85	80.22	6,291.35	538.27	3,122.58	3,168.64	1.50	-1.50	0.00
7,200.00	16.35	80.22	6,386.93	543.27	3,151.55	3,198.04	1.50	-1.50	0.00
7,300.00	14.85	80.22	6,483.25	547.84	3,178.05	3,224.92	1.50	-1.50	0.00
7,400.00	13.35	80.22	6,580.23	551.97	3,202.05	3,249.28	1.50	-1.50	0.00
7,500.00	11.85	80.22	6,677.82	555.68	3,223.54	3,271.09	1.50	-1.50	0.00
7,600.00	10.35	80.22	6,775.95	558.95	3,242.51	3,290.33	1.50	-1.50	0.00
7,700.00	8.85	80.22	6,874.55	561.78	3,258.94	3,307.00	1.50	-1.50	0.00
7,800.00	7.35	80.22	6,973.55	564.17	3,272.82	3,321.09	1.50	-1.50	0.00
7,900.00	5.85	80.22	7,072.88	566.12	3,284.14	3,332.58	1.50	-1.50	0.00
8,000.00	4.35	80.22	7,172.48	567.63	3,292.89	3,341.46	1.50	-1.50	0.00
8,100.00	2.85	80.22	7,272.29	568.70	3,299.08	3,347.73	1.50	-1.50	0.00
8,200.00	1.35	80.22	7,372.22	569.32	3,302.68	3,351.39	1.50	-1.50	0.00
8,289.79	0.00	0.00	7,462.00	569.50	3,303.72	3,352.45	1.50	-1.50	0.00
<b>2580.00 hold - KMGAS</b>									
8,300.00	0.00	0.00	7,472.21	569.50	3,303.72	3,352.45	0.00	0.00	0.00
8,400.00	0.00	0.00	7,572.21	569.50	3,303.72	3,352.45	0.00	0.00	0.00
8,500.00	0.00	0.00	7,672.21	569.50	3,303.72	3,352.45	0.00	0.00	0.00
8,600.00	0.00	0.00	7,772.21	569.50	3,303.72	3,352.45	0.00	0.00	0.00
8,700.00	0.00	0.00	7,872.21	569.50	3,303.72	3,352.45	0.00	0.00	0.00
8,800.00	0.00	0.00	7,972.21	569.50	3,303.72	3,352.45	0.00	0.00	0.00
8,900.00	0.00	0.00	8,072.21	569.50	3,303.72	3,352.45	0.00	0.00	0.00
9,000.00	0.00	0.00	8,172.21	569.50	3,303.72	3,352.45	0.00	0.00	0.00

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well NR 542-3 - Slot NR 542-3
<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 542-3	<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	8,272.21	569.50	3,303.72	3,352.45	0.00	0.00	0.00	
9,200.00	0.00	0.00	8,372.21	569.50	3,303.72	3,352.45	0.00	0.00	0.00	
9,300.00	0.00	0.00	8,472.21	569.50	3,303.72	3,352.45	0.00	0.00	0.00	
9,400.00	0.00	0.00	8,572.21	569.50	3,303.72	3,352.45	0.00	0.00	0.00	
9,500.00	0.00	0.00	8,672.21	569.50	3,303.72	3,352.45	0.00	0.00	0.00	
9,600.00	0.00	0.00	8,772.21	569.50	3,303.72	3,352.45	0.00	0.00	0.00	
9,700.00	0.00	0.00	8,872.21	569.50	3,303.72	3,352.45	0.00	0.00	0.00	
9,800.00	0.00	0.00	8,972.21	569.50	3,303.72	3,352.45	0.00	0.00	0.00	
9,839.79	0.00	0.00	9,012.00	569.50	3,303.72	3,352.45	0.00	0.00	0.00	
CMEO										
9,900.00	0.00	0.00	9,072.21	569.50	3,303.72	3,352.45	0.00	0.00	0.00	
10,000.00	0.00	0.00	9,172.21	569.50	3,303.72	3,352.45	0.00	0.00	0.00	
10,100.00	0.00	0.00	9,272.21	569.50	3,303.72	3,352.45	0.00	0.00	0.00	
10,200.00	0.00	0.00	9,372.21	569.50	3,303.72	3,352.45	0.00	0.00	0.00	
10,300.00	0.00	0.00	9,472.21	569.50	3,303.72	3,352.45	0.00	0.00	0.00	
10,400.00	0.00	0.00	9,572.21	569.50	3,303.72	3,352.45	0.00	0.00	0.00	
10,500.00	0.00	0.00	9,672.21	569.50	3,303.72	3,352.45	0.00	0.00	0.00	
10,600.00	0.00	0.00	9,772.21	569.50	3,303.72	3,352.45	0.00	0.00	0.00	
10,700.00	0.00	0.00	9,872.21	569.50	3,303.72	3,352.45	0.00	0.00	0.00	
10,719.79	0.00	0.00	9,892.00	569.50	3,303.72	3,352.45	0.00	0.00	0.00	
RLNS										
10,800.00	0.00	0.00	9,972.21	569.50	3,303.72	3,352.45	0.00	0.00	0.00	
10,869.79	0.00	0.00	10,042.00	569.50	3,303.72	3,352.45	0.00	0.00	0.00	
TD at 10869.79 - 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									
NR 542-3 KMV	0.00	0.00	7,462.00	569.50	3,303.72	1,635,983.70	2,332,600.70	39.555688	-107.867258
- plan hits target center									
- Circle (radius 50.00)									
NR 542-3 PBHL	0.00	0.00	10,042.00	569.50	3,303.72	1,635,983.70	2,332,600.70	39.555688	-107.867258
- 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 542-3 - Slot NR 542-3
<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 542-3	<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 (°)	
3,980.25	3,552.00	Wasatch G		0.00		
6,197.26	5,472.00	LWSTC		0.00		
6,909.98	6,112.00	MVRD		0.00		
8,289.79	7,462.00	KMVGAS		0.00		
9,839.79	9,012.00	CMEO		0.00		
10,719.79	9,892.00	RLNS		0.00		
10,869.79	10,042.00	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	
1,119.97	1,074.90	43.46	252.14	5169.88 hold	
6,289.85	5,552.19	482.57	2,799.44	Drop -1.50	
8,289.79	7,462.00	569.50	3,303.72	2580.00 hold	
10,869.79	10,042.00	569.50	3,303.72	TD at 10869.79	