



TEP Rocky Mountain LLC

Garfield Co., CO (NAD83)

NR 23-3 Pad

NR 431-3 - Slot NR 431-3

OH

Plan: Plan #2

Standard Planning Report

15 September, 2020



Plan #2



Project: Garfield Co., CO (NAD83)
 Site: NR 23-3 Pad
 Well: NR 431-3
 Wellbore: OH
 Design: Plan #2
 Lat: 39.554204
 Long: -107.879059
 GL: 6728.00
 KB: KB=24' @ 6752.00usft (H&P 318)



WELL DETAILS: NR 431-3

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
0.00	0.00	1635530.30	2329260.30	39.554204	-107.879059	NR 431-3

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
NR 431-3 KMW	7512.00	2779.72	2019.01	1638256.20	2331351.40	Circle (Radius: 50.00)
NR 431-3 PBHL	10092.00	2779.72	2019.01	1638256.20	2331351.40	Point

SECTION DETAILS

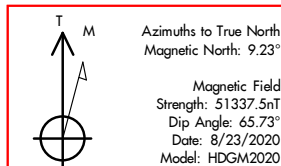
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
150.00	0.00	0.00	150.00	0.00	0.00	0.00	0.00	0.00	Build 3.00
1172.76	30.68	35.99	1124.58	216.33	157.13	3.00	35.99	267.37	5160.76 hold
6333.52	30.68	35.99	5562.85	2347.06	1704.75	0.00	0.00	2900.84	Drop -1.50
8379.05	0.00	0.00	7512.00	2779.72	2019.01	1.50	180.00	3435.58	2580.00 hold
10959.05	0.00	0.00	10092.00	2779.72	2019.01	0.00	0.00	3435.58	TD at 10959.05

CASING DETAILS

TVD	MD	Name	Size
1061.31	1100.00	9 5/8"	9-5/8

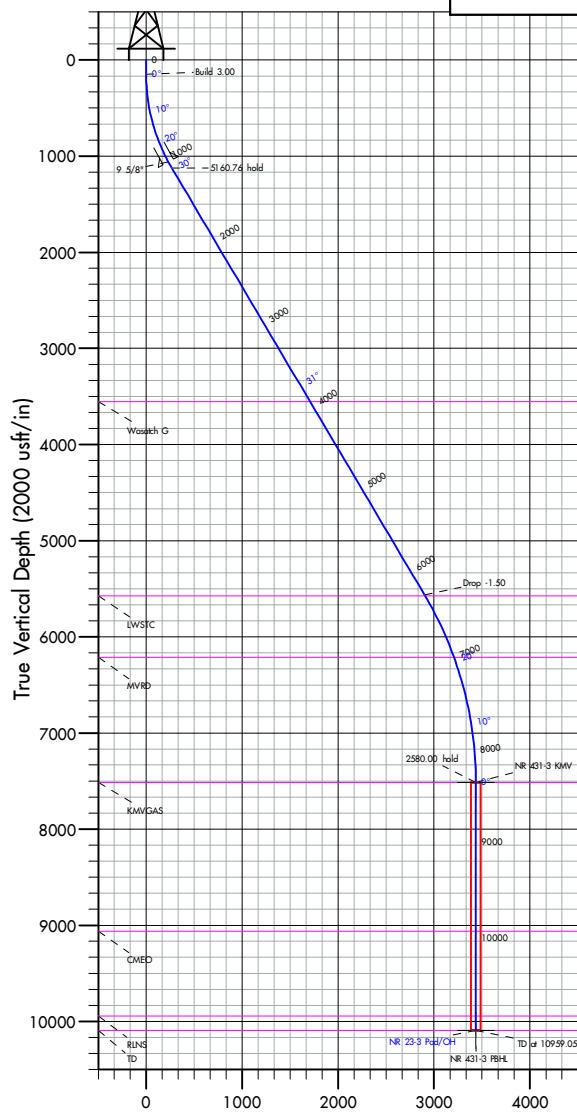
FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3552.00	3995.34	Wasatch G
5572.00	6344.15	LWSTC
6212.00	7052.55	MVRD
7512.00	8379.05	KMVGAS
9062.00	9929.05	CMEC
9942.00	10809.05	RLNS
10092.00	10959.05	TD

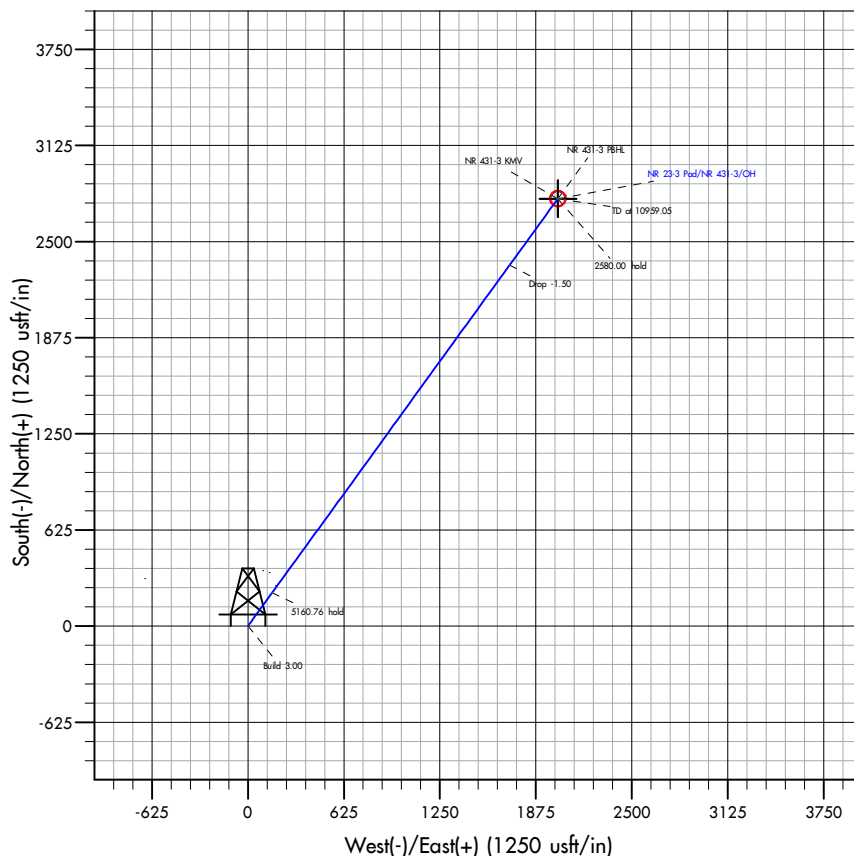


SLOTS

Slot Name	+N/-S	+E/-W	Northing	Easting
NR 32-4	29.18	-23.97	1635560.10	2329237.10
NR 331-3	5.88	-4.76	1635536.30	2329255.70
NR 332-4	22.58	-31.60	1635553.70	2329229.30
NR 333-4	-0.73	-12.69	1635529.90	2329247.60
NR 33-4	5.14	-17.54	1635535.90	2329242.90
NR 343-4	-23.64	6.52	1635506.50	2329266.20
NR 344-36	23.30	-19.22	1635554.10	2329241.70
NR 42-3	-17.44	14.06	1635512.50	2329273.90
NR 431-3	0.00	0.00	1635530.30	2329260.30
NR 432-4	16.81	-26.75	1635547.80	2329234.00
NR 433-4	-6.21	-7.94	1635524.30	2329252.20
NR 43-4	-17.86	1.67	1635512.40	2329261.50
NR 441-3	-5.79	4.45	1635524.40	2329264.60
NR 442-3	-23.31	18.92	1635506.50	2329278.60
NR 443-4	-29.51	11.28	1635500.50	2329270.80
NR 444-36	17.53	-14.36	1635548.20	2329246.40
NR 532-4	10.92	-22.29	1635541.80	2329238.30
NR 533-4	-11.98	-3.09	1635518.40	2329256.90
NR 541-3	-11.66	9.31	1635518.40	2329269.30
NR 542-3	-28.79	23.66	1635500.90	2329283.20
NR 543-4	-35.29	16.03	1635494.60	2329275.40
NR 544-36	11.65	-9.61	1635542.20	2329251.00



Vertical Section at 35.99° (2000 usft/in)



Plan: Plan #2 (NR 431-3/OH)

Created By: Dusty Mayer

Date: 13:45, September 15, 2020

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well NR 431-3 - Slot NR 431-3
Company:	TEP Rocky Mountain LLC	TVD Reference:	KB=24' @ 6752.00usft (H&P 318)
Project:	Garfield Co., CO (NAD83)	MD Reference:	KB=24' @ 6752.00usft (H&P 318)
Site:	NR 23-3 Pad	North Reference:	True
Well:	NR 431-3	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

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		NR 23-3 Pad			
Site Position:		Northing:	1,635,494.60 usft	Latitude:	39.554107
From:	Map	Easting:	2,329,275.40 usft	Longitude:	-107.879002
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "		

Well		NR 431-3 - Slot NR 431-3				
Well Position	+N/-S	0.00 usft	Northing:	1,635,530.30 usft	Latitude:	39.554204
	+E/-W	0.00 usft	Easting:	2,329,260.30 usft	Longitude:	-107.879059
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	6,728.00 usft
Grid Convergence:		-1.50 °				

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2020	8/23/2020	9.23	65.73	51,337.50000000

Design	Plan #2				
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	35.99	

Plan Survey Tool Program	Date	9/15/2020			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.00	10,959.05 Plan #2 (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	
150.00	0.00	0.00	150.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,172.76	30.68	35.99	1,124.58	216.33	157.13	3.00	3.00	0.00	35.99	
6,333.52	30.68	35.99	5,562.85	2,347.06	1,704.75	0.00	0.00	0.00	0.00	
8,379.05	0.00	0.00	7,512.00	2,779.72	2,019.01	1.50	-1.50	0.00	180.00	
10,959.05	0.00	0.00	10,092.00	2,779.72	2,019.01	0.00	0.00	0.00	0.00	NR 431-3 PBHL

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well NR 431-3 - Slot NR 431-3
Company:	TEP Rocky Mountain LLC	TVD Reference:	KB=24' @ 6752.00usft (H&P 318)
Project:	Garfield Co., CO (NAD83)	MD Reference:	KB=24' @ 6752.00usft (H&P 318)
Site:	NR 23-3 Pad	North Reference:	True
Well:	NR 431-3	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	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
150.00	0.00	0.00	150.00	0.00	0.00	0.00	0.00	0.00	0.00
Build 3.00									
200.00	1.50	35.99	199.99	0.53	0.38	0.65	3.00	3.00	0.00
300.00	4.50	35.99	299.85	4.76	3.46	5.89	3.00	3.00	0.00
400.00	7.50	35.99	399.29	13.22	9.60	16.34	3.00	3.00	0.00
500.00	10.50	35.99	498.04	25.88	18.79	31.98	3.00	3.00	0.00
600.00	13.50	35.99	595.85	42.70	31.01	52.77	3.00	3.00	0.00
700.00	16.50	35.99	692.43	63.63	46.22	78.65	3.00	3.00	0.00
800.00	19.50	35.99	787.52	88.63	64.38	109.55	3.00	3.00	0.00
900.00	22.50	35.99	880.87	117.63	85.44	145.38	3.00	3.00	0.00
1,000.00	25.50	35.99	972.22	150.53	109.34	186.05	3.00	3.00	0.00
1,100.00	28.50	35.99	1,061.31	187.26	136.01	231.44	3.00	3.00	0.00
9 5/8"									
1,172.76	30.68	35.99	1,124.58	216.33	157.13	267.37	3.00	3.00	0.00
5160.76 hold									
1,200.00	30.68	35.99	1,148.00	227.57	165.30	281.27	0.00	0.00	0.00
1,300.00	30.68	35.99	1,234.00	268.86	195.28	332.30	0.00	0.00	0.00
1,400.00	30.68	35.99	1,320.00	310.15	225.27	383.33	0.00	0.00	0.00
1,500.00	30.68	35.99	1,406.00	351.44	255.26	434.36	0.00	0.00	0.00
1,600.00	30.68	35.99	1,492.00	392.72	285.25	485.38	0.00	0.00	0.00
1,700.00	30.68	35.99	1,578.00	434.01	315.24	536.41	0.00	0.00	0.00
1,800.00	30.68	35.99	1,664.00	475.30	345.23	587.44	0.00	0.00	0.00
1,900.00	30.68	35.99	1,750.00	516.58	375.21	638.47	0.00	0.00	0.00
2,000.00	30.68	35.99	1,836.00	557.87	405.20	689.50	0.00	0.00	0.00
2,100.00	30.68	35.99	1,922.00	599.16	435.19	740.53	0.00	0.00	0.00
2,200.00	30.68	35.99	2,008.00	640.45	465.18	791.56	0.00	0.00	0.00
2,300.00	30.68	35.99	2,094.00	681.73	495.17	842.59	0.00	0.00	0.00
2,400.00	30.68	35.99	2,180.00	723.02	525.15	893.61	0.00	0.00	0.00
2,500.00	30.68	35.99	2,266.00	764.31	555.14	944.64	0.00	0.00	0.00
2,600.00	30.68	35.99	2,352.00	805.60	585.13	995.67	0.00	0.00	0.00
2,700.00	30.68	35.99	2,438.00	846.88	615.12	1,046.70	0.00	0.00	0.00
2,800.00	30.68	35.99	2,524.01	888.17	645.11	1,097.73	0.00	0.00	0.00
2,900.00	30.68	35.99	2,610.01	929.46	675.10	1,148.76	0.00	0.00	0.00
3,000.00	30.68	35.99	2,696.01	970.74	705.08	1,199.79	0.00	0.00	0.00
3,100.00	30.68	35.99	2,782.01	1,012.03	735.07	1,250.82	0.00	0.00	0.00
3,200.00	30.68	35.99	2,868.01	1,053.32	765.06	1,301.84	0.00	0.00	0.00
3,300.00	30.68	35.99	2,954.01	1,094.61	795.05	1,352.87	0.00	0.00	0.00
3,400.00	30.68	35.99	3,040.01	1,135.89	825.04	1,403.90	0.00	0.00	0.00
3,500.00	30.68	35.99	3,126.01	1,177.18	855.03	1,454.93	0.00	0.00	0.00
3,600.00	30.68	35.99	3,212.01	1,218.47	885.01	1,505.96	0.00	0.00	0.00
3,700.00	30.68	35.99	3,298.01	1,259.75	915.00	1,556.99	0.00	0.00	0.00
3,800.00	30.68	35.99	3,384.01	1,301.04	944.99	1,608.02	0.00	0.00	0.00
3,900.00	30.68	35.99	3,470.01	1,342.33	974.98	1,659.04	0.00	0.00	0.00
3,995.34	30.68	35.99	3,552.00	1,381.69	1,003.57	1,707.69	0.00	0.00	0.00
Wasatch G									
4,000.00	30.68	35.99	3,556.01	1,383.62	1,004.97	1,710.07	0.00	0.00	0.00
4,100.00	30.68	35.99	3,642.01	1,424.90	1,034.96	1,761.10	0.00	0.00	0.00
4,200.00	30.68	35.99	3,728.01	1,466.19	1,064.94	1,812.13	0.00	0.00	0.00
4,300.00	30.68	35.99	3,814.01	1,507.48	1,094.93	1,863.16	0.00	0.00	0.00
4,400.00	30.68	35.99	3,900.01	1,548.76	1,124.92	1,914.19	0.00	0.00	0.00
4,500.00	30.68	35.99	3,986.01	1,590.05	1,154.91	1,965.22	0.00	0.00	0.00

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Project:	Garfield Co., CO (NAD83)	MD Reference:	KB=24' @ 6752.00usft (H&P 318)
Site:	NR 23-3 Pad	North Reference:	True
Well:	NR 431-3	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	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	30.68	35.99	4,072.01	1,631.34	1,184.90	2,016.25	0.00	0.00	0.00
4,700.00	30.68	35.99	4,158.01	1,672.63	1,214.89	2,067.27	0.00	0.00	0.00
4,800.00	30.68	35.99	4,244.01	1,713.91	1,244.87	2,118.30	0.00	0.00	0.00
4,900.00	30.68	35.99	4,330.01	1,755.20	1,274.86	2,169.33	0.00	0.00	0.00
5,000.00	30.68	35.99	4,416.01	1,796.49	1,304.85	2,220.36	0.00	0.00	0.00
5,100.00	30.68	35.99	4,502.02	1,837.77	1,334.84	2,271.39	0.00	0.00	0.00
5,200.00	30.68	35.99	4,588.02	1,879.06	1,364.83	2,322.42	0.00	0.00	0.00
5,300.00	30.68	35.99	4,674.02	1,920.35	1,394.82	2,373.45	0.00	0.00	0.00
5,400.00	30.68	35.99	4,760.02	1,961.64	1,424.80	2,424.48	0.00	0.00	0.00
5,500.00	30.68	35.99	4,846.02	2,002.92	1,454.79	2,475.50	0.00	0.00	0.00
5,600.00	30.68	35.99	4,932.02	2,044.21	1,484.78	2,526.53	0.00	0.00	0.00
5,700.00	30.68	35.99	5,018.02	2,085.50	1,514.77	2,577.56	0.00	0.00	0.00
5,800.00	30.68	35.99	5,104.02	2,126.78	1,544.76	2,628.59	0.00	0.00	0.00
5,900.00	30.68	35.99	5,190.02	2,168.07	1,574.74	2,679.62	0.00	0.00	0.00
6,000.00	30.68	35.99	5,276.02	2,209.36	1,604.73	2,730.65	0.00	0.00	0.00
6,100.00	30.68	35.99	5,362.02	2,250.65	1,634.72	2,781.68	0.00	0.00	0.00
6,200.00	30.68	35.99	5,448.02	2,291.93	1,664.71	2,832.70	0.00	0.00	0.00
6,300.00	30.68	35.99	5,534.02	2,333.22	1,694.70	2,883.73	0.00	0.00	0.00
6,333.52	30.68	35.99	5,562.85	2,347.06	1,704.75	2,900.84	0.00	0.00	0.00
Drop -1.50									
6,344.15	30.52	35.99	5,572.00	2,351.44	1,707.93	2,906.25	1.50	-1.50	0.00
LWSTC									
6,400.00	29.69	35.99	5,620.31	2,374.10	1,724.39	2,934.26	1.50	-1.50	0.00
6,500.00	28.19	35.99	5,707.83	2,413.25	1,752.83	2,982.64	1.50	-1.50	0.00
6,600.00	26.69	35.99	5,796.58	2,450.53	1,779.90	3,028.72	1.50	-1.50	0.00
6,700.00	25.19	35.99	5,886.50	2,485.91	1,805.60	3,072.45	1.50	-1.50	0.00
6,800.00	23.69	35.99	5,977.54	2,519.38	1,829.91	3,113.82	1.50	-1.50	0.00
6,900.00	22.19	35.99	6,069.63	2,550.91	1,852.81	3,152.79	1.50	-1.50	0.00
7,000.00	20.69	35.99	6,162.71	2,580.48	1,874.29	3,189.33	1.50	-1.50	0.00
7,052.55	19.90	35.99	6,212.00	2,595.22	1,885.00	3,207.56	1.50	-1.50	0.00
MVRD									
7,100.00	19.19	35.99	6,256.72	2,608.07	1,894.33	3,223.43	1.50	-1.50	0.00
7,200.00	17.69	35.99	6,351.58	2,633.65	1,912.91	3,255.05	1.50	-1.50	0.00
7,300.00	16.19	35.99	6,447.25	2,657.22	1,930.03	3,284.18	1.50	-1.50	0.00
7,400.00	14.69	35.99	6,543.64	2,678.76	1,945.67	3,310.80	1.50	-1.50	0.00
7,500.00	13.19	35.99	6,640.69	2,698.24	1,959.82	3,334.88	1.50	-1.50	0.00
7,600.00	11.69	35.99	6,738.34	2,715.66	1,972.48	3,356.41	1.50	-1.50	0.00
7,700.00	10.19	35.99	6,836.52	2,731.01	1,983.63	3,375.38	1.50	-1.50	0.00
7,800.00	8.69	35.99	6,935.17	2,744.28	1,993.26	3,391.78	1.50	-1.50	0.00
7,900.00	7.19	35.99	7,034.21	2,755.45	2,001.38	3,405.58	1.50	-1.50	0.00
8,000.00	5.69	35.99	7,133.57	2,764.52	2,007.96	3,416.79	1.50	-1.50	0.00
8,100.00	4.19	35.99	7,233.20	2,771.48	2,013.02	3,425.39	1.50	-1.50	0.00
8,200.00	2.69	35.99	7,333.02	2,776.33	2,016.54	3,431.39	1.50	-1.50	0.00
8,300.00	1.19	35.99	7,432.96	2,779.06	2,018.53	3,434.77	1.50	-1.50	0.00
8,379.05	0.00	0.00	7,512.00	2,779.72	2,019.01	3,435.58	1.50	-1.50	0.00
2580.00 hold - KMGVGS									
8,400.00	0.00	0.00	7,532.95	2,779.72	2,019.01	3,435.58	0.00	0.00	0.00
8,500.00	0.00	0.00	7,632.95	2,779.72	2,019.01	3,435.58	0.00	0.00	0.00
8,600.00	0.00	0.00	7,732.95	2,779.72	2,019.01	3,435.58	0.00	0.00	0.00
8,700.00	0.00	0.00	7,832.95	2,779.72	2,019.01	3,435.58	0.00	0.00	0.00
8,800.00	0.00	0.00	7,932.95	2,779.72	2,019.01	3,435.58	0.00	0.00	0.00
8,900.00	0.00	0.00	8,032.95	2,779.72	2,019.01	3,435.58	0.00	0.00	0.00
9,000.00	0.00	0.00	8,132.95	2,779.72	2,019.01	3,435.58	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well NR 431-3 - Slot NR 431-3
Company:	TEP Rocky Mountain LLC	TVD Reference:	KB=24' @ 6752.00usft (H&P 318)
Project:	Garfield Co., CO (NAD83)	MD Reference:	KB=24' @ 6752.00usft (H&P 318)
Site:	NR 23-3 Pad	North Reference:	True
Well:	NR 431-3	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	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	8,232.95	2,779.72	2,019.01	3,435.58	0.00	0.00	0.00	
9,200.00	0.00	0.00	8,332.95	2,779.72	2,019.01	3,435.58	0.00	0.00	0.00	
9,300.00	0.00	0.00	8,432.95	2,779.72	2,019.01	3,435.58	0.00	0.00	0.00	
9,400.00	0.00	0.00	8,532.95	2,779.72	2,019.01	3,435.58	0.00	0.00	0.00	
9,500.00	0.00	0.00	8,632.95	2,779.72	2,019.01	3,435.58	0.00	0.00	0.00	
9,600.00	0.00	0.00	8,732.95	2,779.72	2,019.01	3,435.58	0.00	0.00	0.00	
9,700.00	0.00	0.00	8,832.95	2,779.72	2,019.01	3,435.58	0.00	0.00	0.00	
9,800.00	0.00	0.00	8,932.95	2,779.72	2,019.01	3,435.58	0.00	0.00	0.00	
9,900.00	0.00	0.00	9,032.95	2,779.72	2,019.01	3,435.58	0.00	0.00	0.00	
9,929.05	0.00	0.00	9,062.00	2,779.72	2,019.01	3,435.58	0.00	0.00	0.00	
CMEO										
10,000.00	0.00	0.00	9,132.95	2,779.72	2,019.01	3,435.58	0.00	0.00	0.00	
10,100.00	0.00	0.00	9,232.95	2,779.72	2,019.01	3,435.58	0.00	0.00	0.00	
10,200.00	0.00	0.00	9,332.95	2,779.72	2,019.01	3,435.58	0.00	0.00	0.00	
10,300.00	0.00	0.00	9,432.95	2,779.72	2,019.01	3,435.58	0.00	0.00	0.00	
10,400.00	0.00	0.00	9,532.95	2,779.72	2,019.01	3,435.58	0.00	0.00	0.00	
10,500.00	0.00	0.00	9,632.95	2,779.72	2,019.01	3,435.58	0.00	0.00	0.00	
10,600.00	0.00	0.00	9,732.95	2,779.72	2,019.01	3,435.58	0.00	0.00	0.00	
10,700.00	0.00	0.00	9,832.95	2,779.72	2,019.01	3,435.58	0.00	0.00	0.00	
10,800.00	0.00	0.00	9,932.95	2,779.72	2,019.01	3,435.58	0.00	0.00	0.00	
10,809.05	0.00	0.00	9,942.00	2,779.72	2,019.01	3,435.58	0.00	0.00	0.00	
RLNS										
10,900.00	0.00	0.00	10,032.95	2,779.72	2,019.01	3,435.58	0.00	0.00	0.00	
10,959.05	0.00	0.00	10,092.00	2,779.72	2,019.01	3,435.58	0.00	0.00	0.00	
TD at 10959.05 - TD										

Design Targets										
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
NR 431-3 KMV - plan hits target center - Circle (radius 50.00)	0.00	0.00	7,512.00	2,779.72	2,019.01	1,638,256.20	2,331,351.40	39.561835	-107.871898	
NR 431-3 PBHL - plan hits target center - Point	0.00	0.00	10,092.00	2,779.72	2,019.01	1,638,256.20	2,331,351.40	39.561835	-107.871898	

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
1,100.00	1,061.31	9 5/8"	9-5/8	13-1/2	

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well NR 431-3 - Slot NR 431-3
Company:	TEP Rocky Mountain LLC	TVD Reference:	KB=24' @ 6752.00usft (H&P 318)
Project:	Garfield Co., CO (NAD83)	MD Reference:	KB=24' @ 6752.00usft (H&P 318)
Site:	NR 23-3 Pad	North Reference:	True
Well:	NR 431-3	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,995.34	3,552.00	Wasatch G		0.00		
6,344.15	5,572.00	LWSTC		0.00		
7,052.55	6,212.00	MVRD		0.00		
8,379.05	7,512.00	KMVGAS		0.00		
9,929.05	9,062.00	CMEO		0.00		
10,809.05	9,942.00	RLNS		0.00		
10,959.05	10,092.00	TD		0.00		

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
150.00	150.00	0.00	0.00	Build 3.00	
1,172.76	1,124.58	216.33	157.13	5160.76 hold	
6,333.52	5,562.85	2,347.06	1,704.75	Drop -1.50	
8,379.05	7,512.00	2,779.72	2,019.01	2580.00 hold	
10,959.05	10,092.00	2,779.72	2,019.01	TD at 10959.05	