



TEP Rocky Mountain LLC

Garfield Co., CO (NAD83)

NR 23-3 Pad

NR 333-4 - Slot NR 333-4

OH

Plan: Plan #2

Standard Planning Report

15 September, 2020



Plan #2



Project: Garfield Co., CO (NAD83)
Site: NR 23-3 Pad
Well: NR 333-4
Wellbore: OH
Design: Plan #2
Lat: 39.554202
Long: -107.879104
GL: 6728.00
KB: KB=24' @ 6752.00usf



WELL DETAILS: NR 333-4

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
0.00	0.00	1635529.90	2329247.60	39.554202	-107.879104	NR 333-4

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
NR 333-4 KMW	7252.00	151.41	-3893.20	1635783.20	2325359.70	Circle (Radius: 50.00)
NR 333-4 PBHL	9932.00	151.41	-3893.20	1635783.20	2325359.70	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
1342.22	36.67	272.23	1260.49	14.69	-377.63	3.00	272.23	377.92	4625.89 hold
5968.11	36.67	272.23	4971.02	122.04	-3137.94	0.00	0.00	3140.31	Drop -1.50
8412.56	0.00	0.00	7252.00	151.41	-3893.20	1.50	180.00	3896.14	2680.00 hold
11092.56	0.00	0.00	9932.00	151.41	-3893.20	0.00	0.00	3896.14	TD at 11092.56

CASING DETAILS

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

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3552.00	4199.03	Wasatch G
5492.00	6583.45	LWSTC
6072.00	7212.93	MVRD
7252.00	8412.56	KMWGAS
8902.00	10062.56	CMEO
9782.00	10942.56	RLNS
9932.00	11092.56	TD

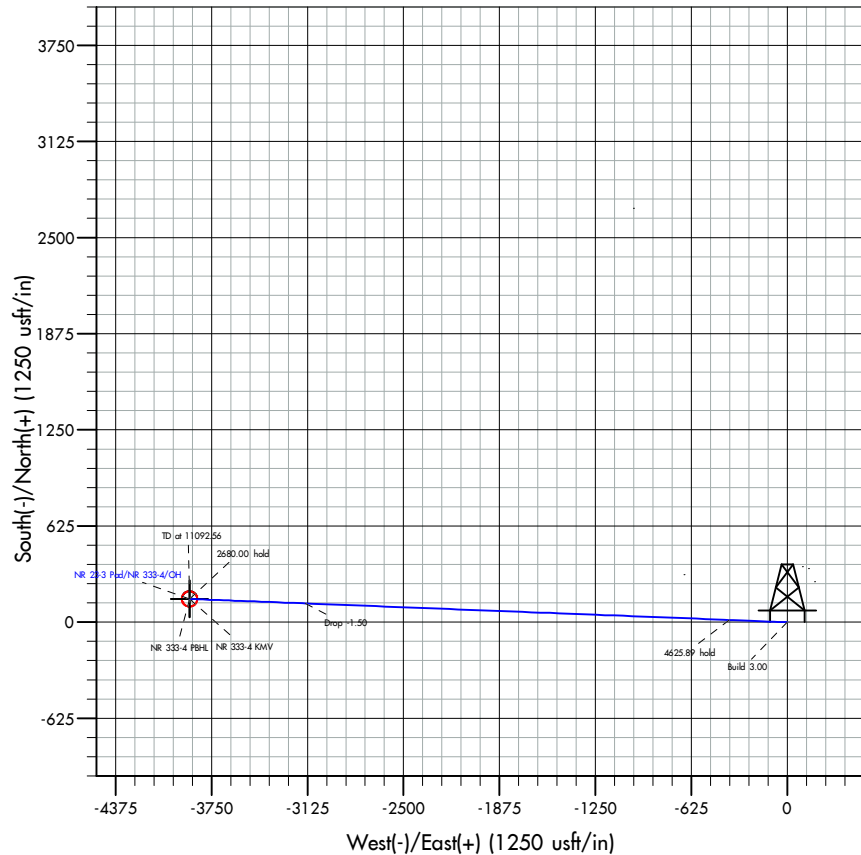
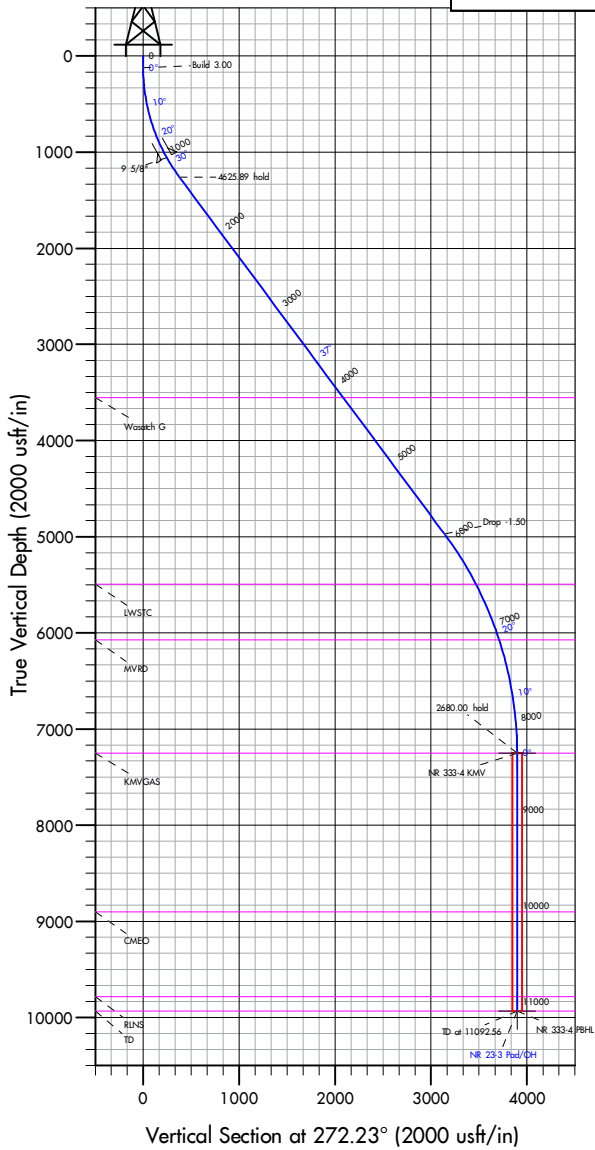


Azimuths to True North
Magnetic North: 9.23°

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	29.91	-11.29	1635560.10	2329237.10
NR 331-3	6.61	7.93	1635536.30	2329255.70
NR 332-4	23.31	-18.92	1635553.70	2329229.30
NR 333-4	0.00	0.00	1635529.90	2329247.60
NR 33-4	5.87	-4.86	1635535.90	2329242.90
NR 343-4	-22.90	19.21	1635506.50	2329266.20
NR 344-36	24.04	-6.53	1635554.10	2329241.70
NR 42-3	-16.71	26.75	1635512.50	2329273.90
NR 431-3	0.73	12.69	1635530.30	2329260.30
NR 432-4	17.54	-14.06	1635547.80	2329234.00
NR 433-4	-5.48	4.75	1635524.30	2329252.20
NR 43-4	-17.13	14.35	1635512.40	2329261.50
NR 441-3	-5.05	17.14	1635524.40	2329264.60
NR 442-3	-22.58	31.60	1635506.50	2329278.60
NR 443-4	-28.78	23.96	1635500.50	2329270.80
NR 444-36	18.26	-1.68	1635548.20	2329246.40
NR 532-4	11.65	-9.61	1635541.80	2329238.30
NR 533-4	-11.25	9.60	1635518.40	2329256.90
NR 541-3	-10.93	21.99	1635518.40	2329269.30
NR 542-3	-28.06	36.35	1635500.90	2329283.20
NR 543-4	-34.56	28.71	1635494.60	2329275.40
NR 544-36	12.38	3.08	1635542.20	2329251.00



Plan: Plan #2 (NR 333-4/OH)

Created By: Dusty Meyer Date: 10-08-2020 Time: 15:00:00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well NR 333-4 - Slot NR 333-4
Company:	TEP Rocky Mountain LLC	TVD Reference:	KB=24' @ 6752.00usft
Project:	Garfield Co., CO (NAD83)	MD Reference:	KB=24' @ 6752.00usft
Site:	NR 23-3 Pad	North Reference:	True
Well:	NR 333-4	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 333-4 - Slot NR 333-4					
Well Position	+N/-S	0.00 usft	Northing:	1,635,529.90 usft	Latitude:	39.554202
	+E/-W	0.00 usft	Easting:	2,329,247.60 usft	Longitude:	-107.879104
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	272.23	

Plan Survey Tool Program	Date	9/15/2020			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.00	11,092.56 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	
120.00	0.00	0.00	120.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,342.22	36.67	272.23	1,260.49	14.69	-377.63	3.00	3.00	0.00	272.23	
5,968.11	36.67	272.23	4,971.02	122.04	-3,137.94	0.00	0.00	0.00	0.00	
8,412.56	0.00	0.00	7,252.00	151.41	-3,893.20	1.50	-1.50	0.00	180.00	
11,092.56	0.00	0.00	9,932.00	151.41	-3,893.20	0.00	0.00	0.00	0.00	NR 333-4 PBHL

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well NR 333-4 - Slot NR 333-4
Company:	TEP Rocky Mountain LLC	TVD Reference:	KB=24' @ 6752.00usft
Project:	Garfield Co., CO (NAD83)	MD Reference:	KB=24' @ 6752.00usft
Site:	NR 23-3 Pad	North Reference:	True
Well:	NR 333-4	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
120.00	0.00	0.00	120.00	0.00	0.00	0.00	0.00	0.00	0.00
Build 3.00									
200.00	2.40	272.23	199.98	0.07	-1.67	1.68	3.00	3.00	0.00
300.00	5.40	272.23	299.73	0.33	-8.47	8.48	3.00	3.00	0.00
400.00	8.40	272.23	399.00	0.80	-20.47	20.49	3.00	3.00	0.00
500.00	11.40	272.23	497.50	1.46	-37.65	37.68	3.00	3.00	0.00
600.00	14.40	272.23	594.96	2.33	-59.96	60.00	3.00	3.00	0.00
700.00	17.40	272.23	691.13	3.40	-87.33	87.39	3.00	3.00	0.00
800.00	20.40	272.23	785.72	4.65	-119.69	119.78	3.00	3.00	0.00
900.00	23.40	272.23	878.50	6.10	-156.96	157.08	3.00	3.00	0.00
1,000.00	26.40	272.23	969.19	7.74	-199.03	199.18	3.00	3.00	0.00
1,100.00	29.40	272.23	1,057.56	9.56	-245.78	245.96	3.00	3.00	0.00
9 5/8"									
1,200.00	32.40	272.23	1,143.35	11.55	-297.09	297.31	3.00	3.00	0.00
1,300.00	35.40	272.23	1,226.35	13.72	-352.81	353.08	3.00	3.00	0.00
1,342.22	36.67	272.23	1,260.49	14.69	-377.63	377.92	3.00	3.00	0.00
4625.89 hold									
1,400.00	36.67	272.23	1,306.83	16.03	-412.11	412.42	0.00	0.00	0.00
1,500.00	36.67	272.23	1,387.05	18.35	-471.78	472.14	0.00	0.00	0.00
1,600.00	36.67	272.23	1,467.26	20.67	-531.45	531.85	0.00	0.00	0.00
1,700.00	36.67	272.23	1,547.47	22.99	-591.12	591.57	0.00	0.00	0.00
1,800.00	36.67	272.23	1,627.68	25.31	-650.79	651.28	0.00	0.00	0.00
1,900.00	36.67	272.23	1,707.90	27.63	-710.46	711.00	0.00	0.00	0.00
2,000.00	36.67	272.23	1,788.11	29.95	-770.13	770.71	0.00	0.00	0.00
2,100.00	36.67	272.23	1,868.32	32.27	-829.80	830.43	0.00	0.00	0.00
2,200.00	36.67	272.23	1,948.53	34.59	-889.47	890.15	0.00	0.00	0.00
2,300.00	36.67	272.23	2,028.74	36.91	-949.14	949.86	0.00	0.00	0.00
2,400.00	36.67	272.23	2,108.96	39.23	-1,008.82	1,009.58	0.00	0.00	0.00
2,500.00	36.67	272.23	2,189.17	41.55	-1,068.49	1,069.29	0.00	0.00	0.00
2,600.00	36.67	272.23	2,269.38	43.87	-1,128.16	1,129.01	0.00	0.00	0.00
2,700.00	36.67	272.23	2,349.59	46.19	-1,187.83	1,188.73	0.00	0.00	0.00
2,800.00	36.67	272.23	2,429.81	48.52	-1,247.50	1,248.44	0.00	0.00	0.00
2,900.00	36.67	272.23	2,510.02	50.84	-1,307.17	1,308.16	0.00	0.00	0.00
3,000.00	36.67	272.23	2,590.23	53.16	-1,366.84	1,367.87	0.00	0.00	0.00
3,100.00	36.67	272.23	2,670.44	55.48	-1,426.51	1,427.59	0.00	0.00	0.00
3,200.00	36.67	272.23	2,750.66	57.80	-1,486.18	1,487.31	0.00	0.00	0.00
3,300.00	36.67	272.23	2,830.87	60.12	-1,545.85	1,547.02	0.00	0.00	0.00
3,400.00	36.67	272.23	2,911.08	62.44	-1,605.52	1,606.74	0.00	0.00	0.00
3,500.00	36.67	272.23	2,991.29	64.76	-1,665.19	1,666.45	0.00	0.00	0.00
3,600.00	36.67	272.23	3,071.50	67.08	-1,724.87	1,726.17	0.00	0.00	0.00
3,700.00	36.67	272.23	3,151.72	69.40	-1,784.54	1,785.88	0.00	0.00	0.00
3,800.00	36.67	272.23	3,231.93	71.72	-1,844.21	1,845.60	0.00	0.00	0.00
3,900.00	36.67	272.23	3,312.14	74.04	-1,903.88	1,905.32	0.00	0.00	0.00
4,000.00	36.67	272.23	3,392.35	76.36	-1,963.55	1,965.03	0.00	0.00	0.00
4,100.00	36.67	272.23	3,472.57	78.68	-2,023.22	2,024.75	0.00	0.00	0.00
4,199.03	36.67	272.23	3,552.00	80.98	-2,082.31	2,083.89	0.00	0.00	0.00
Wasatch G									
4,200.00	36.67	272.23	3,552.78	81.00	-2,082.89	2,084.46	0.00	0.00	0.00
4,300.00	36.67	272.23	3,632.99	83.32	-2,142.56	2,144.18	0.00	0.00	0.00
4,400.00	36.67	272.23	3,713.20	85.65	-2,202.23	2,203.90	0.00	0.00	0.00
4,500.00	36.67	272.23	3,793.42	87.97	-2,261.90	2,263.61	0.00	0.00	0.00

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Project:	Garfield Co., CO (NAD83)	MD Reference:	KB=24' @ 6752.00usft
Site:	NR 23-3 Pad	North Reference:	True
Well:	NR 333-4	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	36.67	272.23	3,873.63	90.29	-2,321.57	2,323.33	0.00	0.00	0.00
4,700.00	36.67	272.23	3,953.84	92.61	-2,381.24	2,383.04	0.00	0.00	0.00
4,800.00	36.67	272.23	4,034.05	94.93	-2,440.91	2,442.76	0.00	0.00	0.00
4,900.00	36.67	272.23	4,114.26	97.25	-2,500.59	2,502.48	0.00	0.00	0.00
5,000.00	36.67	272.23	4,194.48	99.57	-2,560.26	2,562.19	0.00	0.00	0.00
5,100.00	36.67	272.23	4,274.69	101.89	-2,619.93	2,621.91	0.00	0.00	0.00
5,200.00	36.67	272.23	4,354.90	104.21	-2,679.60	2,681.62	0.00	0.00	0.00
5,300.00	36.67	272.23	4,435.11	106.53	-2,739.27	2,741.34	0.00	0.00	0.00
5,400.00	36.67	272.23	4,515.33	108.85	-2,798.94	2,801.06	0.00	0.00	0.00
5,500.00	36.67	272.23	4,595.54	111.17	-2,858.61	2,860.77	0.00	0.00	0.00
5,600.00	36.67	272.23	4,675.75	113.49	-2,918.28	2,920.49	0.00	0.00	0.00
5,700.00	36.67	272.23	4,755.96	115.81	-2,977.95	2,980.20	0.00	0.00	0.00
5,800.00	36.67	272.23	4,836.17	118.13	-3,037.62	3,039.92	0.00	0.00	0.00
5,900.00	36.67	272.23	4,916.39	120.45	-3,097.29	3,099.63	0.00	0.00	0.00
5,968.11	36.67	272.23	4,971.02	122.04	-3,137.94	3,140.31	0.00	0.00	0.00
Drop -1.50									
6,000.00	36.19	272.23	4,996.68	122.77	-3,156.86	3,159.24	1.50	-1.50	0.00
6,100.00	34.69	272.23	5,078.15	125.02	-3,214.79	3,217.22	1.50	-1.50	0.00
6,200.00	33.19	272.23	5,161.11	127.19	-3,270.58	3,273.05	1.50	-1.50	0.00
6,300.00	31.69	272.23	5,245.51	129.28	-3,324.18	3,326.69	1.50	-1.50	0.00
6,400.00	30.19	272.23	5,331.28	131.28	-3,375.55	3,378.10	1.50	-1.50	0.00
6,500.00	28.69	272.23	5,418.36	133.19	-3,424.66	3,427.25	1.50	-1.50	0.00
6,583.45	27.44	272.23	5,492.00	134.71	-3,463.89	3,466.51	1.50	-1.50	0.00
LWSTC									
6,600.00	27.19	272.23	5,506.70	135.01	-3,471.47	3,474.10	1.50	-1.50	0.00
6,700.00	25.69	272.23	5,596.24	136.74	-3,515.96	3,518.62	1.50	-1.50	0.00
6,800.00	24.19	272.23	5,686.92	138.38	-3,558.09	3,560.78	1.50	-1.50	0.00
6,900.00	22.69	272.23	5,778.66	139.92	-3,597.84	3,600.56	1.50	-1.50	0.00
7,000.00	21.19	272.23	5,871.42	141.37	-3,635.17	3,637.92	1.50	-1.50	0.00
7,100.00	19.69	272.23	5,965.12	142.73	-3,670.06	3,672.84	1.50	-1.50	0.00
7,200.00	18.19	272.23	6,059.71	143.99	-3,702.49	3,705.29	1.50	-1.50	0.00
7,212.93	17.99	272.23	6,072.00	144.15	-3,706.51	3,709.31	1.50	-1.50	0.00
MVRD									
7,300.00	16.69	272.23	6,155.11	145.16	-3,732.44	3,735.26	1.50	-1.50	0.00
7,400.00	15.19	272.23	6,251.26	146.22	-3,759.88	3,762.72	1.50	-1.50	0.00
7,500.00	13.69	272.23	6,348.10	147.19	-3,784.79	3,787.65	1.50	-1.50	0.00
7,600.00	12.19	272.23	6,445.56	148.06	-3,807.16	3,810.04	1.50	-1.50	0.00
7,700.00	10.69	272.23	6,543.57	148.83	-3,826.98	3,829.87	1.50	-1.50	0.00
7,800.00	9.19	272.23	6,642.06	149.50	-3,844.22	3,847.13	1.50	-1.50	0.00
7,900.00	7.69	272.23	6,740.98	150.07	-3,858.89	3,861.80	1.50	-1.50	0.00
8,000.00	6.19	272.23	6,840.24	150.54	-3,870.96	3,873.88	1.50	-1.50	0.00
8,100.00	4.69	272.23	6,939.79	150.91	-3,880.43	3,883.36	1.50	-1.50	0.00
8,200.00	3.19	272.23	7,039.55	151.18	-3,887.29	3,890.23	1.50	-1.50	0.00
8,300.00	1.69	272.23	7,139.46	151.34	-3,891.54	3,894.48	1.50	-1.50	0.00
8,400.00	0.19	272.23	7,239.44	151.41	-3,893.18	3,896.12	1.50	-1.50	0.00
8,412.56	0.00	0.00	7,252.00	151.41	-3,893.20	3,896.14	1.50	-1.50	0.00
2680.00 hold - KMVGAS									
8,500.00	0.00	0.00	7,339.44	151.41	-3,893.20	3,896.14	0.00	0.00	0.00
8,600.00	0.00	0.00	7,439.44	151.41	-3,893.20	3,896.14	0.00	0.00	0.00
8,700.00	0.00	0.00	7,539.44	151.41	-3,893.20	3,896.14	0.00	0.00	0.00
8,800.00	0.00	0.00	7,639.44	151.41	-3,893.20	3,896.14	0.00	0.00	0.00
8,900.00	0.00	0.00	7,739.44	151.41	-3,893.20	3,896.14	0.00	0.00	0.00
9,000.00	0.00	0.00	7,839.44	151.41	-3,893.20	3,896.14	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well NR 333-4 - Slot NR 333-4
Company:	TEP Rocky Mountain LLC	TVD Reference:	KB=24' @ 6752.00usft
Project:	Garfield Co., CO (NAD83)	MD Reference:	KB=24' @ 6752.00usft
Site:	NR 23-3 Pad	North Reference:	True
Well:	NR 333-4	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	7,939.44	151.41	-3,893.20	3,896.14	0.00	0.00	0.00	
9,200.00	0.00	0.00	8,039.44	151.41	-3,893.20	3,896.14	0.00	0.00	0.00	
9,300.00	0.00	0.00	8,139.44	151.41	-3,893.20	3,896.14	0.00	0.00	0.00	
9,400.00	0.00	0.00	8,239.44	151.41	-3,893.20	3,896.14	0.00	0.00	0.00	
9,500.00	0.00	0.00	8,339.44	151.41	-3,893.20	3,896.14	0.00	0.00	0.00	
9,600.00	0.00	0.00	8,439.44	151.41	-3,893.20	3,896.14	0.00	0.00	0.00	
9,700.00	0.00	0.00	8,539.44	151.41	-3,893.20	3,896.14	0.00	0.00	0.00	
9,800.00	0.00	0.00	8,639.44	151.41	-3,893.20	3,896.14	0.00	0.00	0.00	
9,900.00	0.00	0.00	8,739.44	151.41	-3,893.20	3,896.14	0.00	0.00	0.00	
10,000.00	0.00	0.00	8,839.44	151.41	-3,893.20	3,896.14	0.00	0.00	0.00	
10,062.56	0.00	0.00	8,902.00	151.41	-3,893.20	3,896.14	0.00	0.00	0.00	
CMEO										
10,100.00	0.00	0.00	8,939.44	151.41	-3,893.20	3,896.14	0.00	0.00	0.00	
10,200.00	0.00	0.00	9,039.44	151.41	-3,893.20	3,896.14	0.00	0.00	0.00	
10,300.00	0.00	0.00	9,139.44	151.41	-3,893.20	3,896.14	0.00	0.00	0.00	
10,400.00	0.00	0.00	9,239.44	151.41	-3,893.20	3,896.14	0.00	0.00	0.00	
10,500.00	0.00	0.00	9,339.44	151.41	-3,893.20	3,896.14	0.00	0.00	0.00	
10,600.00	0.00	0.00	9,439.44	151.41	-3,893.20	3,896.14	0.00	0.00	0.00	
10,700.00	0.00	0.00	9,539.44	151.41	-3,893.20	3,896.14	0.00	0.00	0.00	
10,800.00	0.00	0.00	9,639.44	151.41	-3,893.20	3,896.14	0.00	0.00	0.00	
10,900.00	0.00	0.00	9,739.44	151.41	-3,893.20	3,896.14	0.00	0.00	0.00	
10,942.56	0.00	0.00	9,782.00	151.41	-3,893.20	3,896.14	0.00	0.00	0.00	
RLNS										
11,000.00	0.00	0.00	9,839.44	151.41	-3,893.20	3,896.14	0.00	0.00	0.00	
11,092.56	0.00	0.00	9,932.00	151.41	-3,893.20	3,896.14	0.00	0.00	0.00	
TD at 11092.56 - 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 333-4 KMV	0.00	0.00	7,252.00	151.41	-3,893.20	1,635,783.20	2,325,359.70	39.554617	-107.892912
- plan hits target center									
- Circle (radius 50.00)									
NR 333-4 PBHL	0.00	0.00	9,932.00	151.41	-3,893.20	1,635,783.20	2,325,359.70	39.554617	-107.892912
- 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	

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Site:	NR 23-3 Pad	North Reference:	True
Well:	NR 333-4	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
4,199.03	3,552.00	Wasatch G		0.00		
6,583.45	5,492.00	LWSTC		0.00		
7,212.93	6,072.00	MVRD		0.00		
8,412.56	7,252.00	KMVGAS		0.00		
10,062.56	8,902.00	CMEO		0.00		
10,942.56	9,782.00	RLNS		0.00		
11,092.56	9,932.00	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	
1,342.22	1,260.49	14.69	-377.63	4625.89 hold	
5,968.11	4,971.02	122.04	-3,137.94	Drop -1.50	
8,412.56	7,252.00	151.41	-3,893.20	2680.00 hold	
11,092.56	9,932.00	151.41	-3,893.20	TD at 11092.56	