



Company: TEP Rocky Mountain LLC  
Project: Garfield County, CO NAD83  
Site: RWF 43-9 Pad  
Well: RWF 331-9

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

Plan: Plan #1 8June2020 sbsdi

Well Details: RWF 331-9

+N/-S 14.43 +E/-W 19.93 Northing 1630189.8000 Easting 2327351.2000 Latitude 39.5394097 Longitude -107.8853300 RWF 331-9

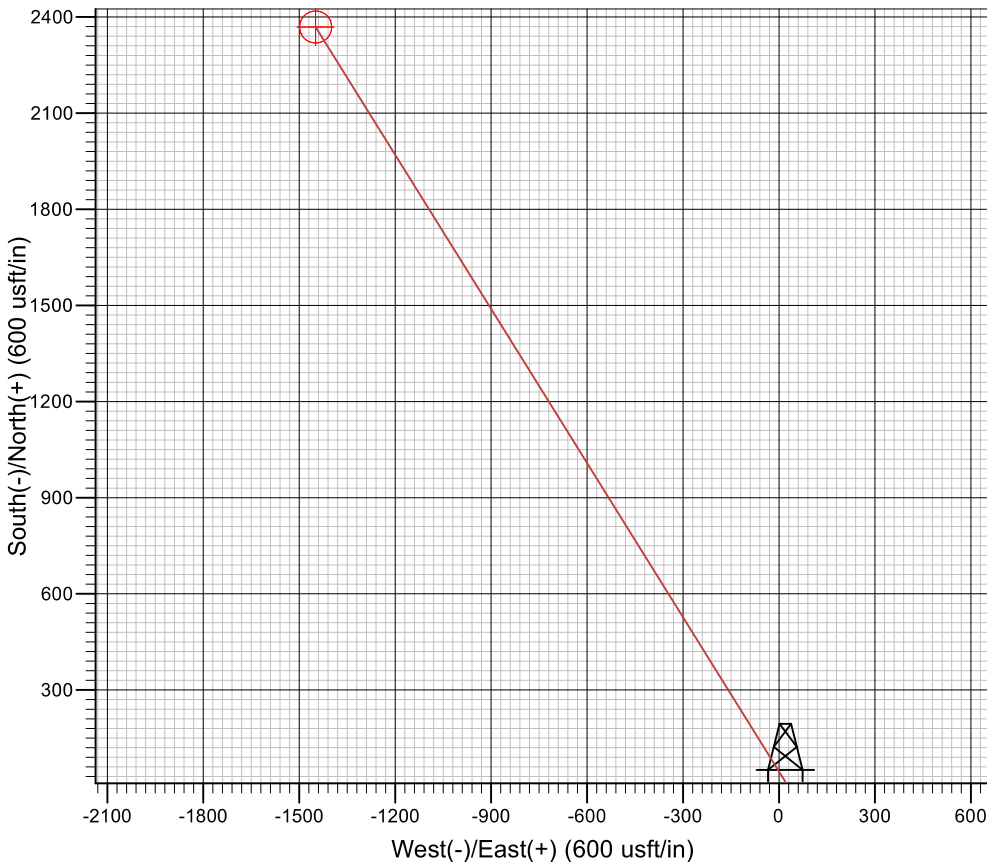
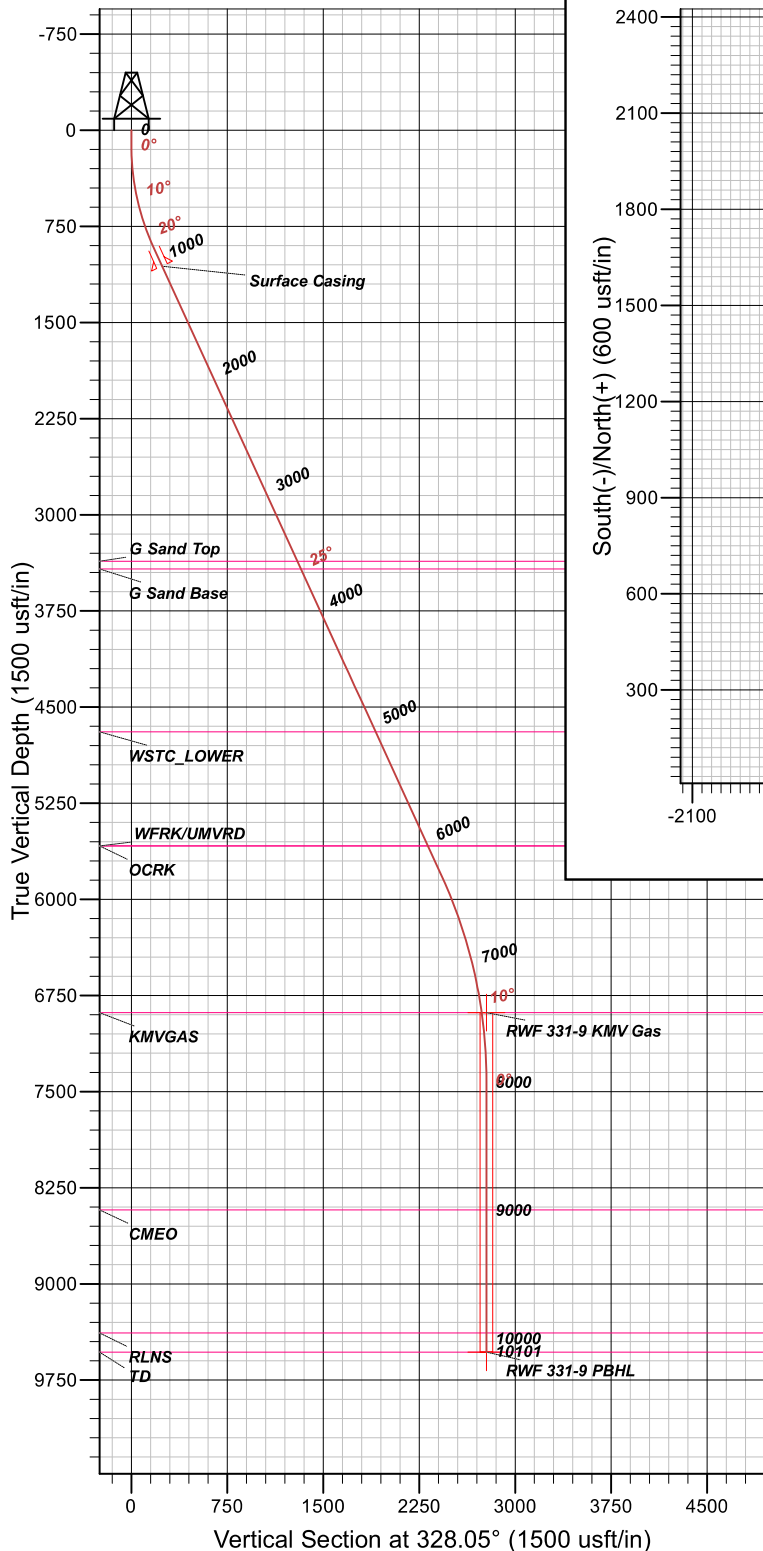


Azimuths to True North  
Magnetic North: 9.22°

Magnetic Field  
Strength: 51370.0nT  
Dip Angle: 65.72°  
Date: 6/8/2020  
Model: HDGM\_FILE

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
RWF 331-9 KMW Gas	6883.00	2368.88	-1448.59	1632582.0000	2325945.0000	39.5458736	-107.8905375	Circle (Radius: 50.00)
- plan misses target center by 36.81usft at 7454.14usft MD (6887.88 TVD, 2337.93 N, -1429.28 E)								
RWF 331-9 PBHL	9533.00	2368.88	-1448.59	1632582.0000	2325945.0000	39.5458736	-107.8905375	Point
- plan hits target center								



FORMATION TOP DETAILS

TVDPATH	MDPATH	FORMATION
3363.00	3633.81	G Sand Top
3423.00	3699.83	G Sand Base
4693.00	5097.38	WSTC_LOWER
5583.00	6076.76	OCRK
5583.00	6076.76	WFRK/UMVRD
6883.00	7449.21	KMW GAS
8423.00	8990.94	CMEO
9383.00	9950.94	RLNS
9533.00	10100.94	TD

CASING DETAILS

TVD	MD	NAME
1060.44	1100.00	Surface Casing

SECTION DETAILS

MD	INC	AZI	TVD	+N/-S	+E/-W	DLEG	TFACE	VSECT
0.00	0.00	0.00	0.00	14.43	19.93	0.00	0.00	0.00
120.00	0.00	0.00	120.00	14.43	19.93	0.00	0.00	0.00
942.29	24.67	328.05	917.12	162.32	-72.31	3.00	328.05	174.30
6337.96	24.67	328.05	5820.37	2073.11	-1264.11	0.00	0.00	2426.29
7449.21	8.00	328.05	6883.00	2337.35	-1428.92	1.50	180.00	2737.72
7982.54	0.00	0.00	7414.60	2368.89	-1448.59	1.50	180.00	2774.90
10100.94	0.00	0.00	9533.00	2368.88	-1448.59	0.00	0.00	2774.89



# **TEP Rocky Mountain LLC**

**Garfield County, CO NAD83**

**RWF 43-9 Pad**

**RWF 331-9 - Slot RWF 331-9**

**OH**

**Plan: Plan #1 8June2020 sbsdi**

## **Standard Planning Report**

**09 June, 2020**



[www.scientificdrilling.com](http://www.scientificdrilling.com)



<b>Database:</b>	Grand Junction	<b>Local Co-ordinate Reference:</b>	Site RWF 43-9 Pad
<b>Company:</b>	TEP Rocky Mountain LLC	<b>TVD Reference:</b>	GL 6369.4' & KB 24' @ 6393.40usft (H&P 318)
<b>Project:</b>	Garfield County, CO NAD83	<b>MD Reference:</b>	GL 6369.4' & KB 24' @ 6393.40usft (H&P 318)
<b>Site:</b>	RWF 43-9 Pad	<b>North Reference:</b>	True
<b>Well:</b>	RWF 331-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #1 8June2020 sbsdi		

<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		

Site		RWF 43-9 Pad, Site Center : RWF 43-9			
Site Position:		Northing:	1,630,175.9000 usft	Latitude:	39.5393702
From:	Map	Easting:	2,327,330.9000 usft	Longitude:	-107.8854007
Position Uncertainty:	0.00 usft	Slot Radius:	13.20 in	Grid Convergence:	-1.50 °

Well	RWF 331-9 - Slot RWF 331-9, 2540' FSL 530' FEL Sec 9 T6S R94W					
Well Position	+N/-S	14.43 usft	Northing:	1,630,189.8000 usft	Latitude:	39.5394098
	+E/-W	19.93 usft	Easting:	2,327,351.2000 usft	Longitude:	-107.8853301
Position Uncertainty		0.00 usft	Wellhead Elevation:		Ground Level:	6,369.40 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_FILE	6/8/2020	9.22	65.72	51,370.00000000

<b>Design</b>	Plan #1 8June2020 sbsdi			
<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	14.43	19.93	328.05

<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	14.43	19.93	0.00	0.00	0.00	0.00	
120.00	0.00	0.00	120.00	14.43	19.93	0.00	0.00	0.00	0.00	
942.29	24.67	328.05	917.12	162.32	-72.31	3.00	3.00	0.00	328.05	
6,337.96	24.67	328.05	5,820.37	2,073.11	-1,264.11	0.00	0.00	0.00	0.00	
7,449.21	8.00	328.05	6,883.00	2,337.35	-1,428.92	1.50	-1.50	0.00	180.00	
7,982.54	0.00	0.00	7,414.60	2,368.89	-1,448.59	1.50	-1.50	0.00	180.00	
10,100.94	0.00	0.00	9,533.00	2,368.88	-1,448.59	0.00	0.00	0.00	0.00	RWF 331-9 PBHL

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<b>Project:</b>	Garfield County, CO NAD83	<b>MD Reference:</b>	GL 6369.4' & KB 24' @ 6393.40usft (H&P 318)
<b>Site:</b>	RWF 43-9 Pad	<b>North Reference:</b>	True
<b>Well:</b>	RWF 331-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #1 8June2020 sbsdi		

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	14.43	19.93	0.00	0.00	0.00	0.00	
100.00	0.00	0.00	100.00	14.43	19.93	0.00	0.00	0.00	0.00	
120.00	0.00	0.00	120.00	14.43	19.93	0.00	0.00	0.00	0.00	
Start Build 3.00										
200.00	2.40	328.05	199.98	15.85	19.04	1.68	3.00	3.00	0.00	
300.00	5.40	328.05	299.73	21.62	15.44	8.48	3.00	3.00	0.00	
400.00	8.40	328.05	399.00	31.81	9.09	20.49	3.00	3.00	0.00	
500.00	11.40	328.05	497.50	46.40	-0.01	37.68	3.00	3.00	0.00	
600.00	14.40	328.05	594.96	65.34	-11.83	60.00	3.00	3.00	0.00	
700.00	17.40	328.05	691.13	88.58	-26.32	87.39	3.00	3.00	0.00	
800.00	20.40	328.05	785.72	116.06	-43.46	119.78	3.00	3.00	0.00	
900.00	23.40	328.05	878.50	147.71	-63.20	157.08	3.00	3.00	0.00	
942.29	24.67	328.05	917.12	162.32	-72.31	174.30	3.00	3.00	0.00	
Start 5395.67 hold at 942.29 MD										
1,000.00	24.67	328.05	969.56	182.76	-85.06	198.39	0.00	0.00	0.00	
1,100.00	24.67	328.05	1,060.44	218.17	-107.15	240.12	0.00	0.00	0.00	
Surface Casing										
1,200.00	24.67	328.05	1,151.31	253.58	-129.24	281.86	0.00	0.00	0.00	
1,300.00	24.67	328.05	1,242.18	289.00	-151.33	323.60	0.00	0.00	0.00	
1,400.00	24.67	328.05	1,333.06	324.41	-173.41	365.34	0.00	0.00	0.00	
1,500.00	24.67	328.05	1,423.93	359.82	-195.50	407.07	0.00	0.00	0.00	
1,600.00	24.67	328.05	1,514.80	395.24	-217.59	448.81	0.00	0.00	0.00	
1,700.00	24.67	328.05	1,605.68	430.65	-239.68	490.55	0.00	0.00	0.00	
1,800.00	24.67	328.05	1,696.55	466.06	-261.77	532.28	0.00	0.00	0.00	
1,900.00	24.67	328.05	1,787.43	501.48	-283.85	574.02	0.00	0.00	0.00	
2,000.00	24.67	328.05	1,878.30	536.89	-305.94	615.76	0.00	0.00	0.00	
2,100.00	24.67	328.05	1,969.17	572.30	-328.03	657.49	0.00	0.00	0.00	
2,200.00	24.67	328.05	2,060.05	607.72	-350.12	699.23	0.00	0.00	0.00	
2,300.00	24.67	328.05	2,150.92	643.13	-372.21	740.97	0.00	0.00	0.00	
2,400.00	24.67	328.05	2,241.79	678.54	-394.29	782.71	0.00	0.00	0.00	
2,500.00	24.67	328.05	2,332.67	713.96	-416.38	824.44	0.00	0.00	0.00	
2,600.00	24.67	328.05	2,423.54	749.37	-438.47	866.18	0.00	0.00	0.00	
2,700.00	24.67	328.05	2,514.41	784.78	-460.56	907.92	0.00	0.00	0.00	
2,800.00	24.67	328.05	2,605.29	820.20	-482.65	949.65	0.00	0.00	0.00	
2,900.00	24.67	328.05	2,696.16	855.61	-504.73	991.39	0.00	0.00	0.00	
3,000.00	24.67	328.05	2,787.04	891.02	-526.82	1,033.13	0.00	0.00	0.00	
3,100.00	24.67	328.05	2,877.91	926.44	-548.91	1,074.86	0.00	0.00	0.00	
3,200.00	24.67	328.05	2,968.78	961.85	-571.00	1,116.60	0.00	0.00	0.00	
3,300.00	24.67	328.05	3,059.66	997.26	-593.08	1,158.34	0.00	0.00	0.00	
3,400.00	24.67	328.05	3,150.53	1,032.68	-615.17	1,200.08	0.00	0.00	0.00	
3,500.00	24.67	328.05	3,241.40	1,068.09	-637.26	1,241.81	0.00	0.00	0.00	
3,600.00	24.67	328.05	3,332.28	1,103.50	-659.35	1,283.55	0.00	0.00	0.00	
3,633.81	24.67	328.05	3,363.00	1,115.48	-666.82	1,297.66	0.00	0.00	0.00	
G Sand Top										
3,699.83	24.67	328.05	3,423.00	1,138.86	-681.40	1,325.22	0.00	0.00	0.00	
G Sand Base										
3,700.00	24.67	328.05	3,423.15	1,138.92	-681.44	1,325.29	0.00	0.00	0.00	
3,800.00	24.67	328.05	3,514.02	1,174.33	-703.52	1,367.02	0.00	0.00	0.00	
3,900.00	24.67	328.05	3,604.90	1,209.74	-725.61	1,408.76	0.00	0.00	0.00	
4,000.00	24.67	328.05	3,695.77	1,245.16	-747.70	1,450.50	0.00	0.00	0.00	
4,100.00	24.67	328.05	3,786.65	1,280.57	-769.79	1,492.24	0.00	0.00	0.00	

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<b>Site:</b>	RWF 43-9 Pad	<b>North Reference:</b>	True
<b>Well:</b>	RWF 331-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #1 8June2020 sbsdi		

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)
4,200.00	24.67	328.05	3,877.52	1,315.98	-791.88	1,533.97	0.00	0.00	0.00
4,300.00	24.67	328.05	3,968.39	1,351.40	-813.96	1,575.71	0.00	0.00	0.00
4,400.00	24.67	328.05	4,059.27	1,386.81	-836.05	1,617.45	0.00	0.00	0.00
4,500.00	24.67	328.05	4,150.14	1,422.22	-858.14	1,659.18	0.00	0.00	0.00
4,600.00	24.67	328.05	4,241.01	1,457.64	-880.23	1,700.92	0.00	0.00	0.00
4,700.00	24.67	328.05	4,331.89	1,493.05	-902.32	1,742.66	0.00	0.00	0.00
4,800.00	24.67	328.05	4,422.76	1,528.46	-924.40	1,784.39	0.00	0.00	0.00
4,900.00	24.67	328.05	4,513.63	1,563.88	-946.49	1,826.13	0.00	0.00	0.00
5,000.00	24.67	328.05	4,604.51	1,599.29	-968.58	1,867.87	0.00	0.00	0.00
5,097.38	24.67	328.05	4,693.00	1,633.77	-990.09	1,908.51	0.00	0.00	0.00
WSTC_LOWER									
5,100.00	24.67	328.05	4,695.38	1,634.70	-990.67	1,909.61	0.00	0.00	0.00
5,200.00	24.67	328.05	4,786.26	1,670.12	-1,012.76	1,951.34	0.00	0.00	0.00
5,300.00	24.67	328.05	4,877.13	1,705.53	-1,034.84	1,993.08	0.00	0.00	0.00
5,400.00	24.67	328.05	4,968.00	1,740.94	-1,056.93	2,034.82	0.00	0.00	0.00
5,500.00	24.67	328.05	5,058.88	1,776.36	-1,079.02	2,076.55	0.00	0.00	0.00
5,600.00	24.67	328.05	5,149.75	1,811.77	-1,101.11	2,118.29	0.00	0.00	0.00
5,700.00	24.67	328.05	5,240.62	1,847.18	-1,123.20	2,160.03	0.00	0.00	0.00
5,800.00	24.67	328.05	5,331.50	1,882.60	-1,145.28	2,201.76	0.00	0.00	0.00
5,900.00	24.67	328.05	5,422.37	1,918.01	-1,167.37	2,243.50	0.00	0.00	0.00
6,000.00	24.67	328.05	5,513.25	1,953.42	-1,189.46	2,285.24	0.00	0.00	0.00
6,076.76	24.67	328.05	5,583.00	1,980.61	-1,206.41	2,317.28	0.00	0.00	0.00
OCRK - WFRK/UMVRD									
6,100.00	24.67	328.05	5,604.12	1,988.84	-1,211.55	2,326.98	0.00	0.00	0.00
6,200.00	24.67	328.05	5,694.99	2,024.25	-1,233.64	2,368.71	0.00	0.00	0.00
6,300.00	24.67	328.05	5,785.87	2,059.66	-1,255.72	2,410.45	0.00	0.00	0.00
6,337.96	24.67	328.05	5,820.37	2,073.11	-1,264.11	2,426.29	0.00	0.00	0.00
Start Drop -1.50									
6,400.00	23.74	328.05	5,876.95	2,094.69	-1,277.57	2,451.73	1.50	-1.50	0.00
6,500.00	22.24	328.05	5,969.00	2,127.82	-1,298.24	2,490.78	1.50	-1.50	0.00
6,600.00	20.74	328.05	6,062.05	2,158.90	-1,317.62	2,527.41	1.50	-1.50	0.00
6,700.00	19.24	328.05	6,156.02	2,187.90	-1,335.71	2,561.59	1.50	-1.50	0.00
6,800.00	17.74	328.05	6,250.86	2,214.81	-1,352.49	2,593.30	1.50	-1.50	0.00
6,900.00	16.24	328.05	6,346.49	2,239.60	-1,367.95	2,622.52	1.50	-1.50	0.00
7,000.00	14.74	328.05	6,442.86	2,262.26	-1,382.09	2,649.22	1.50	-1.50	0.00
7,100.00	13.24	328.05	6,539.89	2,282.77	-1,394.88	2,673.39	1.50	-1.50	0.00
7,200.00	11.74	328.05	6,637.52	2,301.11	-1,406.32	2,695.02	1.50	-1.50	0.00
7,300.00	10.24	328.05	6,735.69	2,317.28	-1,416.41	2,714.08	1.50	-1.50	0.00
7,400.00	8.74	328.05	6,834.32	2,331.27	-1,425.13	2,730.56	1.50	-1.50	0.00
7,449.21	8.00	328.05	6,883.00	2,337.35	-1,428.92	2,737.72	1.50	-1.50	0.00
Start Drop -1.50 - KMGAS									
7,500.00	7.24	328.05	6,933.34	2,343.06	-1,432.49	2,744.46	1.50	-1.50	0.00
7,600.00	5.74	328.05	7,032.70	2,352.65	-1,438.47	2,755.76	1.50	-1.50	0.00
7,700.00	4.24	328.05	7,132.32	2,360.03	-1,443.07	2,764.45	1.50	-1.50	0.00
7,800.00	2.74	328.05	7,232.13	2,365.19	-1,446.29	2,770.53	1.50	-1.50	0.00
7,900.00	1.24	328.05	7,332.07	2,368.13	-1,448.12	2,774.00	1.50	-1.50	0.00
7,982.54	0.00	0.00	7,414.60	2,368.89	-1,448.59	2,774.90	1.50	-1.50	0.00
Start 2118.40 hold at 7982.54 MD									
8,000.00	0.00	0.00	7,432.06	2,368.89	-1,448.59	2,774.90	0.00	0.00	0.00
8,100.00	0.00	0.00	7,532.06	2,368.89	-1,448.59	2,774.90	0.00	0.00	0.00
8,200.00	0.00	0.00	7,632.06	2,368.89	-1,448.59	2,774.90	0.00	0.00	0.00

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<b>Site:</b>	RWF 43-9 Pad	<b>North Reference:</b>	True
<b>Well:</b>	RWF 331-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #1 8June2020 sbsdi		

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)	
8,300.00	0.00	0.00	7,732.06	2,368.89	-1,448.59	2,774.90	0.00	0.00	0.00	
8,400.00	0.00	0.00	7,832.06	2,368.89	-1,448.59	2,774.90	0.00	0.00	0.00	
8,500.00	0.00	0.00	7,932.06	2,368.89	-1,448.59	2,774.90	0.00	0.00	0.00	
8,600.00	0.00	0.00	8,032.06	2,368.89	-1,448.59	2,774.90	0.00	0.00	0.00	
8,700.00	0.00	0.00	8,132.06	2,368.89	-1,448.59	2,774.90	0.00	0.00	0.00	
8,800.00	0.00	0.00	8,232.06	2,368.89	-1,448.59	2,774.90	0.00	0.00	0.00	
8,900.00	0.00	0.00	8,332.06	2,368.89	-1,448.59	2,774.90	0.00	0.00	0.00	
8,990.94	0.00	0.00	8,423.00	2,368.89	-1,448.59	2,774.90	0.00	0.00	0.00	
CMEO										
9,000.00	0.00	0.00	8,432.06	2,368.89	-1,448.59	2,774.90	0.00	0.00	0.00	
9,100.00	0.00	0.00	8,532.06	2,368.89	-1,448.59	2,774.90	0.00	0.00	0.00	
9,200.00	0.00	0.00	8,632.06	2,368.89	-1,448.59	2,774.90	0.00	0.00	0.00	
9,300.00	0.00	0.00	8,732.06	2,368.89	-1,448.59	2,774.90	0.00	0.00	0.00	
9,400.00	0.00	0.00	8,832.06	2,368.89	-1,448.59	2,774.90	0.00	0.00	0.00	
9,500.00	0.00	0.00	8,932.06	2,368.89	-1,448.59	2,774.90	0.00	0.00	0.00	
9,600.00	0.00	0.00	9,032.06	2,368.89	-1,448.59	2,774.90	0.00	0.00	0.00	
9,700.00	0.00	0.00	9,132.06	2,368.89	-1,448.59	2,774.90	0.00	0.00	0.00	
9,800.00	0.00	0.00	9,232.06	2,368.89	-1,448.59	2,774.90	0.00	0.00	0.00	
9,900.00	0.00	0.00	9,332.06	2,368.89	-1,448.59	2,774.90	0.00	0.00	0.00	
9,950.94	0.00	0.00	9,383.00	2,368.89	-1,448.59	2,774.90	0.00	0.00	0.00	
RLNS										
10,000.00	0.00	0.00	9,432.06	2,368.89	-1,448.59	2,774.90	0.00	0.00	0.00	
10,100.00	0.00	0.00	9,532.06	2,368.89	-1,448.59	2,774.90	0.00	0.00	0.00	
10,100.94	0.00	0.00	9,533.00	2,368.88	-1,448.59	2,774.89	0.00	0.00	0.00	
TD at 10100.94 - 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										
RWF 331-9 KMV Gas	0.00	0.00	6,883.00	2,368.88	-1,448.59	1,632,582.0000	2,325,945.0000	39.5458736	-107.8905376	
- plan misses target center by 36.81usft at 7454.14usft MD (6887.88 TVD, 2337.93 N, -1429.28 E)										
- Circle (radius 50.00)										
RWF 331-9 PBHL	0.00	0.00	9,533.00	2,368.88	-1,448.59	1,632,582.0000	2,325,945.0000	39.5458736	-107.8905376	
- plan hits target center										
- Point										

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (in)	Hole Diameter (in)	
1,100.00	1,060.44	Surface Casing	13.50	13.50	

<b>Database:</b>	Grand Junction	<b>Local Co-ordinate Reference:</b>	Site RWF 43-9 Pad
<b>Company:</b>	TEP Rocky Mountain LLC	<b>TVD Reference:</b>	GL 6369.4' & KB 24' @ 6393.40usft (H&P 318)
<b>Project:</b>	Garfield County, CO NAD83	<b>MD Reference:</b>	GL 6369.4' & KB 24' @ 6393.40usft (H&P 318)
<b>Site:</b>	RWF 43-9 Pad	<b>North Reference:</b>	True
<b>Well:</b>	RWF 331-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #1 8June2020 sbsdi		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,633.81	3,363.00	G Sand Top		0.00		
3,699.83	3,423.00	G Sand Base		0.00		
5,097.38	4,693.00	WSTC_LOWER		0.00		
6,076.76	5,583.00	OCRK		0.00		
6,076.76	5,583.00	WFRK/UMVRD		0.00		
7,449.21	6,883.00	KMVGAS		0.00		
8,990.94	8,423.00	CMEO		0.00		
9,950.94	9,383.00	RLNS		0.00		
10,100.94	9,533.00	TD		0.00		

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
120.00	120.00	14.43	19.93	Start Build 3.00	
942.29	917.12	162.32	-72.31	Start 5395.67 hold at 942.29 MD	
6,337.96	5,820.37	2,073.11	-1,264.11	Start Drop -1.50	
7,449.21	6,883.00	2,337.35	-1,428.92	Start Drop -1.50	
7,982.54	7,414.60	2,368.89	-1,448.59	Start 2118.40 hold at 7982.54 MD	
10,100.94	9,533.00	2,368.88	-1,448.59	TD at 10100.94	