

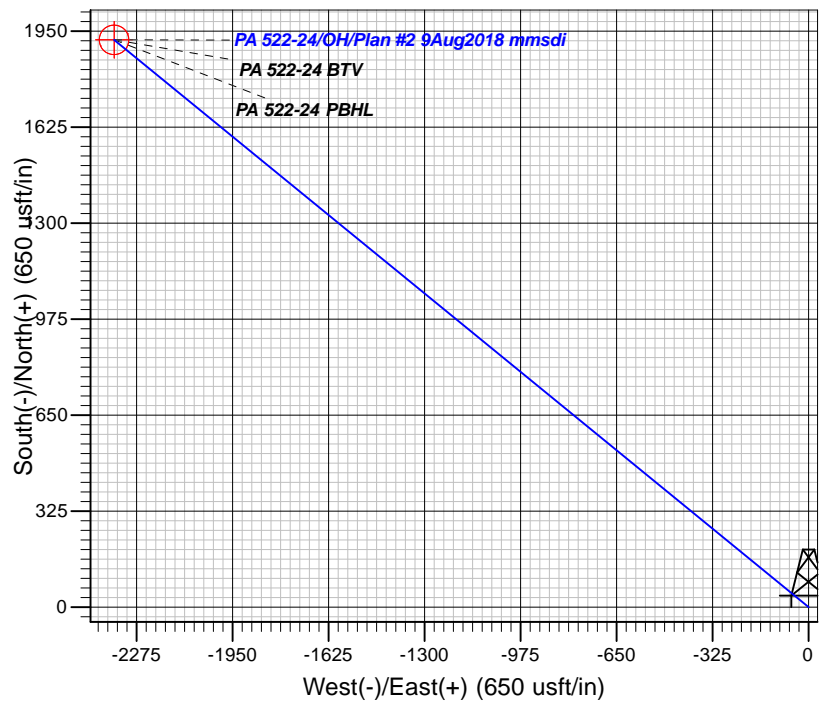
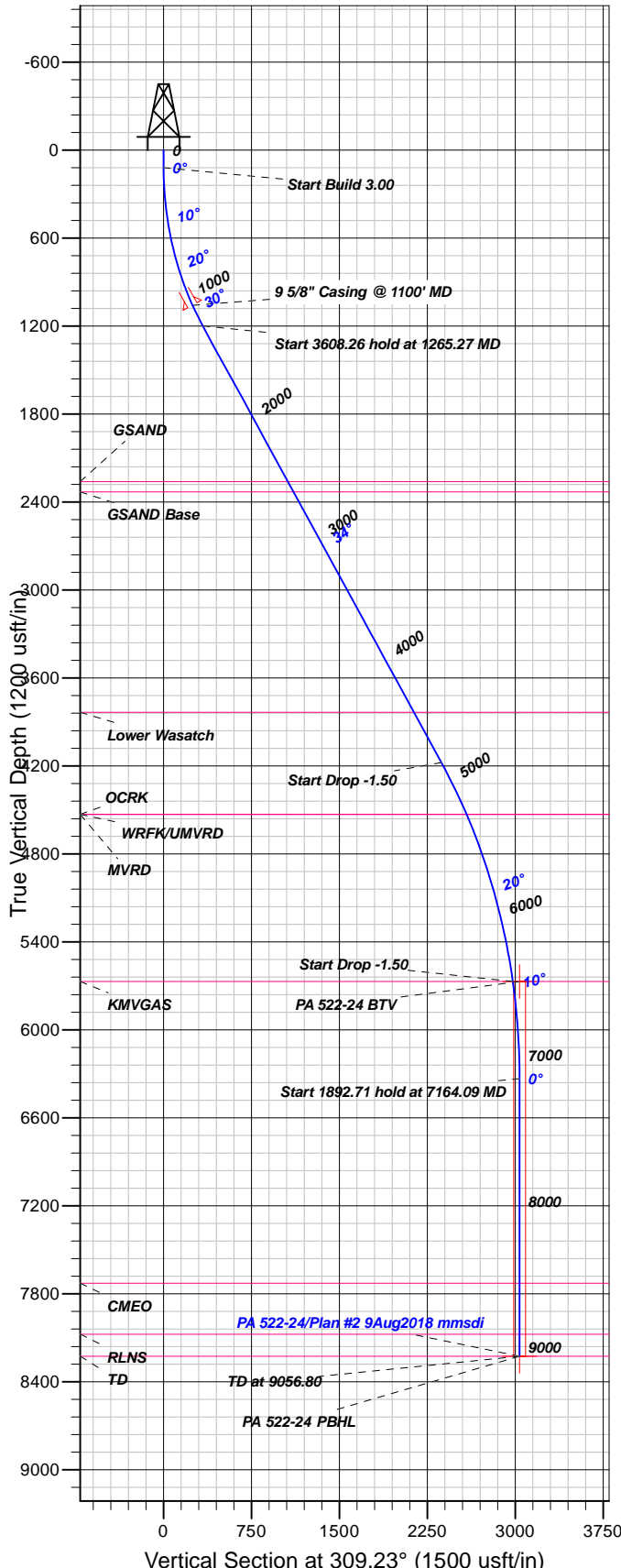


Azimuths to True North  
Magnetic North: 9.37°

Magnetic Field  
Strength: 51590.3snT  
Dip Angle: 65.77°  
Date: 8/9/2018  
Model: HDGM

## Well Details: PA 522-24

GL 5371' & RKB 24' @ 5395.00usft  
+N/-S +E/-W Northing Easting Latitude Longitude Slot  
0.00 0.00 1618399.39 2310455.53 39.5058187 -107.9440919 PA 522-24 (B7)



## FORMATION TOP DETAILS

TVDP	MD	Formation
2260.00	2551.90	GSAND
2330.00	2636.69	GSAND Base
3834.00	4458.56	Lower Wasatch
4530.00	5287.18	MVRD
4530.00	5287.18	OCRK
4530.00	5287.18	WRFK/UMVRD
5669.00	6497.42	KMGAS
7728.00	8559.80	CMEO
8075.00	8906.80	RLNS

Plan: Plan #2 9Aug2018 mmsdi

12:43, August 13 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
1057.56	1100.00	5/8" Casing @ 1100' MD	9.62

## SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VFace	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	1265.27	34.36	309.23	1197.86	210.76	-258.11	3.00	309.23	333.22	
4	4873.54	34.36	309.23	4176.57	1498.74	-1835.43	0.00	0.00	0.00	
5	6497.42	10.00	309.23	5669.00	1883.55	-2306.69	1.50	180.00	2978.02	
6	7164.09	0.00	0.00	6332.29	1920.25	-2351.64	1.50	180.00	3036.05	
7	9056.80	0.00	0.00	8225.00	1920.25	-2351.64	0.00	0.00	3036.05	PA 522-24 PBHL

## DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PA 522-24 BTV	5669.00	1920.25	-2351.64	1620382.20	2308156.40	39.5110903	-107.9524269	Circle (Radius: 50.00)
- plan misses target center by 57.16usft at 6506.71usft MD (5678.15 TVD, 1884.56 N, -2307.93 E)								
PA 522-24 PBHL	8225.00	1920.25	-2351.64	1620382.20	2308156.40	39.5110903	-107.9524269	Point
- plan misses target center by 0.01usft at 9056.80usft MD (8225.00 TVD, 1920.25 N, -2351.64 E)								



# **TEP Rocky Mountain LLC**

**Garfield County, CO NAD83**

**PA 34-24 Pad**

**PA 522-24 - Slot PA 522-24 (B7)**

**OH**

**Plan: Plan #2 9Aug2018 mmsdi**

## **Standard Planning Report**

**13 August, 2018**



<b>Database:</b>	Grand Junction District	<b>Local Co-ordinate Reference:</b>	Well PA 522-24 - Slot PA 522-24 (B7)
<b>Company:</b>	TEP Rocky Mountain LLC	<b>TVD Reference:</b>	GL 5371' & RKB 24' @ 5395.00usft
<b>Project:</b>	Garfield County, CO NAD83	<b>MD Reference:</b>	GL 5371' & RKB 24' @ 5395.00usft
<b>Site:</b>	PA 34-24 Pad	<b>North Reference:</b>	True
<b>Well:</b>	PA 522-24	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #2 9Aug2018 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		

Site	PA 34-24 Pad				
Site Position:		Northing:	1,618,371.20 usft	Latitude:	39.5057421
From:	Map	Easting:	2,310,465.70 usft	Longitude:	-107.9440532
Position Uncertainty:	0.00 usft	Slot Radius:	13.20 in	Grid Convergence:	-1.54

Well	PA 522-24 - Slot PA 522-24 (B7)					
Well Position	+N/-S	27.91 usft	Northing:	1,618,399.39 usft	Latitude:	39.5058188
	+E/-W	-10.92 usft	Easting:	2,310,455.53 usft	Longitude:	-107.9440919
Position Uncertainty		0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level:	5,371.00 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	8/9/2018	9.37	65.77	51,590

<b>Design</b>	Plan #2 9Aug2018 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	309.23

<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	
1,265.27	34.36	309.23	1,197.86	210.76	-258.11	3.00	3.00	0.00	309.23	
4,873.54	34.36	309.23	4,176.57	1,498.74	-1,835.43	0.00	0.00	0.00	0.00	
6,497.42	10.00	309.23	5,669.00	1,883.55	-2,306.69	1.50	-1.50	0.00	180.00	
7,164.09	0.00	0.00	6,332.29	1,920.25	-2,351.64	1.50	-1.50	0.00	180.00	
9,056.80	0.00	0.00	8,225.00	1,920.25	-2,351.64	0.00	0.00	0.00	0.00	PA 522-24 PBHL

<b>Database:</b>	Grand Junction District	<b>Local Co-ordinate Reference:</b>	Well PA 522-24 - Slot PA 522-24 (B7)
<b>Company:</b>	TEP Rocky Mountain LLC	<b>TVD Reference:</b>	GL 5371' & RKB 24' @ 5395.00usft
<b>Project:</b>	Garfield County, CO NAD83	<b>MD Reference:</b>	GL 5371' & RKB 24' @ 5395.00usft
<b>Site:</b>	PA 34-24 Pad	<b>North Reference:</b>	True
<b>Well:</b>	PA 522-24	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #2 9Aug2018 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	309.23	199.98	1.06	-1.30	1.68	3.00	3.00	0.00
300.00	5.40	309.23	299.73	5.36	-6.57	8.48	3.00	3.00	0.00
400.00	8.40	309.23	399.00	12.96	-15.87	20.49	3.00	3.00	0.00
500.00	11.40	309.23	497.50	23.83	-29.19	37.68	3.00	3.00	0.00
600.00	14.40	309.23	594.96	37.95	-46.48	60.00	3.00	3.00	0.00
700.00	17.40	309.23	691.13	55.28	-67.69	87.39	3.00	3.00	0.00
800.00	20.40	309.23	785.72	75.76	-92.78	119.78	3.00	3.00	0.00
900.00	23.40	309.23	878.50	99.35	-121.67	157.08	3.00	3.00	0.00
1,000.00	26.40	309.23	969.19	125.98	-154.28	199.18	3.00	3.00	0.00
1,100.00	29.40	309.23	1,057.56	155.57	-190.52	245.96	3.00	3.00	0.00
<b>9 5/8" Casing @ 1100' MD</b>									
1,200.00	32.40	309.23	1,143.35	188.05	-230.29	297.31	3.00	3.00	0.00
1,265.27	34.36	309.23	1,197.86	210.76	-258.11	333.22	3.00	3.00	0.00
<b>Start 3608.26 hold at 1265.27 MD</b>									
1,300.00	34.36	309.23	1,226.53	223.15	-273.29	352.82	0.00	0.00	0.00
1,400.00	34.36	309.23	1,309.08	258.85	-317.00	409.26	0.00	0.00	0.00
1,500.00	34.36	309.23	1,391.63	294.54	-360.71	465.69	0.00	0.00	0.00
1,600.00	34.36	309.23	1,474.18	330.24	-404.43	522.13	0.00	0.00	0.00
1,700.00	34.36	309.23	1,556.74	365.93	-448.14	578.57	0.00	0.00	0.00
1,800.00	34.36	309.23	1,639.29	401.63	-491.86	635.00	0.00	0.00	0.00
1,900.00	34.36	309.23	1,721.84	437.33	-535.57	691.44	0.00	0.00	0.00
2,000.00	34.36	309.23	1,804.39	473.02	-579.28	747.88	0.00	0.00	0.00
2,100.00	34.36	309.23	1,886.95	508.72	-623.00	804.31	0.00	0.00	0.00
2,200.00	34.36	309.23	1,969.50	544.41	-666.71	860.75	0.00	0.00	0.00
2,300.00	34.36	309.23	2,052.05	580.11	-710.43	917.19	0.00	0.00	0.00
2,400.00	34.36	309.23	2,134.60	615.80	-754.14	973.62	0.00	0.00	0.00
2,500.00	34.36	309.23	2,217.16	651.50	-797.86	1,030.06	0.00	0.00	0.00
2,551.90	34.36	309.23	2,260.00	670.02	-820.54	1,059.35	0.00	0.00	0.00
<b>GSAND</b>									
2,600.00	34.36	309.23	2,299.71	687.19	-841.57	1,086.50	0.00	0.00	0.00
2,636.69	34.36	309.23	2,330.00	700.29	-857.61	1,107.20	0.00	0.00	0.00
<b>GSAND Base</b>									
2,700.00	34.36	309.23	2,382.26	722.89	-885.28	1,142.93	0.00	0.00	0.00
2,800.00	34.36	309.23	2,464.81	758.58	-929.00	1,199.37	0.00	0.00	0.00
2,900.00	34.36	309.23	2,547.37	794.28	-972.71	1,255.80	0.00	0.00	0.00
3,000.00	34.36	309.23	2,629.92	829.97	-1,016.43	1,312.24	0.00	0.00	0.00
3,100.00	34.36	309.23	2,712.47	865.67	-1,060.14	1,368.68	0.00	0.00	0.00
3,200.00	34.36	309.23	2,795.02	901.36	-1,103.85	1,425.11	0.00	0.00	0.00
3,300.00	34.36	309.23	2,877.58	937.06	-1,147.57	1,481.55	0.00	0.00	0.00
3,400.00	34.36	309.23	2,960.13	972.75	-1,191.28	1,537.99	0.00	0.00	0.00
3,500.00	34.36	309.23	3,042.68	1,008.45	-1,235.00	1,594.42	0.00	0.00	0.00
3,600.00	34.36	309.23	3,125.23	1,044.14	-1,278.71	1,650.86	0.00	0.00	0.00
3,700.00	34.36	309.23	3,207.79	1,079.84	-1,322.43	1,707.30	0.00	0.00	0.00
3,800.00	34.36	309.23	3,290.34	1,115.53	-1,366.14	1,763.73	0.00	0.00	0.00
3,900.00	34.36	309.23	3,372.89	1,151.23	-1,409.85	1,820.17	0.00	0.00	0.00
4,000.00	34.36	309.23	3,455.44	1,186.93	-1,453.57	1,876.61	0.00	0.00	0.00
4,100.00	34.36	309.23	3,538.00	1,222.62	-1,497.28	1,933.04	0.00	0.00	0.00
4,200.00	34.36	309.23	3,620.55	1,258.32	-1,541.00	1,989.48	0.00	0.00	0.00
4,300.00	34.36	309.23	3,703.10	1,294.01	-1,584.71	2,045.92	0.00	0.00	0.00
4,400.00	34.36	309.23	3,785.65	1,329.71	-1,628.43	2,102.35	0.00	0.00	0.00

<b>Database:</b>	Grand Junction District	<b>Local Co-ordinate Reference:</b>	Well PA 522-24 - Slot PA 522-24 (B7)
<b>Company:</b>	TEP Rocky Mountain LLC	<b>TVD Reference:</b>	GL 5371' & RKB 24' @ 5395.00usft
<b>Project:</b>	Garfield County, CO NAD83	<b>MD Reference:</b>	GL 5371' & RKB 24' @ 5395.00usft
<b>Site:</b>	PA 34-24 Pad	<b>North Reference:</b>	True
<b>Well:</b>	PA 522-24	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #2 9Aug2018 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)
4,458.57	34.36	309.23	3,834.00	1,350.61	-1,654.03	2,135.41	0.00	0.00	0.00
<b>Lower Wasatch</b>									
4,500.00	34.36	309.23	3,868.21	1,365.40	-1,672.14	2,158.79	0.00	0.00	0.00
4,600.00	34.36	309.23	3,950.76	1,401.10	-1,715.85	2,215.23	0.00	0.00	0.00
4,700.00	34.36	309.23	4,033.31	1,436.79	-1,759.57	2,271.66	0.00	0.00	0.00
4,800.00	34.36	309.23	4,115.86	1,472.49	-1,803.28	2,328.10	0.00	0.00	0.00
4,873.54	34.36	309.23	4,176.57	1,498.74	-1,835.43	2,369.60	0.00	0.00	0.00
<b>Start Drop -1.50</b>									
4,900.00	33.96	309.23	4,198.47	1,508.13	-1,846.94	2,384.46	1.50	-1.50	0.00
5,000.00	32.46	309.23	4,282.13	1,542.78	-1,889.36	2,439.23	1.50	-1.50	0.00
5,100.00	30.96	309.23	4,367.20	1,576.02	-1,930.08	2,491.79	1.50	-1.50	0.00
5,200.00	29.46	309.23	4,453.61	1,607.85	-1,969.05	2,542.11	1.50	-1.50	0.00
5,287.18	28.15	309.23	4,530.00	1,634.42	-2,001.59	2,584.12	1.50	-1.50	0.00
<b>OCRK - MVRD - WRFK/UMVRD</b>									
5,300.00	27.96	309.23	4,541.32	1,638.23	-2,006.26	2,590.15	1.50	-1.50	0.00
5,400.00	26.46	309.23	4,630.25	1,667.15	-2,041.68	2,635.88	1.50	-1.50	0.00
5,500.00	24.96	309.23	4,720.34	1,694.59	-2,075.28	2,679.26	1.50	-1.50	0.00
5,600.00	23.46	309.23	4,811.54	1,720.53	-2,107.04	2,720.27	1.50	-1.50	0.00
5,700.00	21.96	309.23	4,903.79	1,744.95	-2,136.95	2,758.87	1.50	-1.50	0.00
5,800.00	20.46	309.23	4,997.01	1,767.83	-2,164.97	2,795.05	1.50	-1.50	0.00
5,900.00	18.96	309.23	5,091.15	1,789.16	-2,191.10	2,828.78	1.50	-1.50	0.00
6,000.00	17.46	309.23	5,186.14	1,808.93	-2,215.30	2,860.03	1.50	-1.50	0.00
6,100.00	15.96	309.23	5,281.91	1,827.11	-2,237.58	2,888.79	1.50	-1.50	0.00
6,200.00	14.46	309.23	5,378.40	1,843.71	-2,257.90	2,915.02	1.50	-1.50	0.00
6,300.00	12.96	309.23	5,475.55	1,858.70	-2,276.26	2,938.73	1.50	-1.50	0.00
6,400.00	11.46	309.23	5,573.29	1,872.08	-2,292.64	2,959.88	1.50	-1.50	0.00
6,497.42	10.00	309.23	5,669.00	1,883.55	-2,306.69	2,978.02	1.50	-1.50	0.00
<b>Start Drop -1.50 - KMGAS</b>									
6,500.00	9.96	309.23	5,671.54	1,883.83	-2,307.04	2,978.46	1.50	-1.50	0.00
6,506.71	9.86	309.23	5,678.15	1,884.56	-2,307.93	2,979.62	1.50	-1.50	0.00
<b>PA 522-24 BTV</b>									
6,600.00	8.46	309.23	5,770.25	1,893.96	-2,319.44	2,994.47	1.50	-1.50	0.00
6,700.00	6.96	309.23	5,869.34	1,902.44	-2,329.83	3,007.89	1.50	-1.50	0.00
6,800.00	5.46	309.23	5,968.75	1,909.29	-2,338.21	3,018.71	1.50	-1.50	0.00
6,900.00	3.96	309.23	6,068.41	1,914.48	-2,344.57	3,026.92	1.50	-1.50	0.00
7,000.00	2.46	309.23	6,168.25	1,918.02	-2,348.91	3,032.52	1.50	-1.50	0.00
7,100.00	0.96	309.23	6,268.20	1,919.91	-2,351.22	3,035.51	1.50	-1.50	0.00
7,164.09	0.00	0.00	6,332.29	1,920.25	-2,351.64	3,036.05	1.50	-1.50	0.00
<b>Start 1892.71 hold at 7164.09 MD</b>									
7,200.00	0.00	0.00	6,368.20	1,920.25	-2,351.64	3,036.05	0.00	0.00	0.00
7,300.00	0.00	0.00	6,468.20	1,920.25	-2,351.64	3,036.05	0.00	0.00	0.00
7,400.00	0.00	0.00	6,568.20	1,920.25	-2,351.64	3,036.05	0.00	0.00	0.00
7,500.00	0.00	0.00	6,668.20	1,920.25	-2,351.64	3,036.05	0.00	0.00	0.00
7,600.00	0.00	0.00	6,768.20	1,920.25	-2,351.64	3,036.05	0.00	0.00	0.00
7,700.00	0.00	0.00	6,868.20	1,920.25	-2,351.64	3,036.05	0.00	0.00	0.00
7,800.00	0.00	0.00	6,968.20	1,920.25	-2,351.64	3,036.05	0.00	0.00	0.00
7,900.00	0.00	0.00	7,068.20	1,920.25	-2,351.64	3,036.05	0.00	0.00	0.00
8,000.00	0.00	0.00	7,168.20	1,920.25	-2,351.64	3,036.05	0.00	0.00	0.00
8,100.00	0.00	0.00	7,268.20	1,920.25	-2,351.64	3,036.05	0.00	0.00	0.00
8,200.00	0.00	0.00	7,368.20	1,920.25	-2,351.64	3,036.05	0.00	0.00	0.00
8,300.00	0.00	0.00	7,468.20	1,920.25	-2,351.64	3,036.05	0.00	0.00	0.00
8,400.00	0.00	0.00	7,568.20	1,920.25	-2,351.64	3,036.05	0.00	0.00	0.00
8,500.00	0.00	0.00	7,668.20	1,920.25	-2,351.64	3,036.05	0.00	0.00	0.00

<b>Database:</b>	Grand Junction District	<b>Local Co-ordinate Reference:</b>	Well PA 522-24 - Slot PA 522-24 (B7)
<b>Company:</b>	TEP Rocky Mountain LLC	<b>TVD Reference:</b>	GL 5371' & RKB 24' @ 5395.00usft
<b>Project:</b>	Garfield County, CO NAD83	<b>MD Reference:</b>	GL 5371' & RKB 24' @ 5395.00usft
<b>Site:</b>	PA 34-24 Pad	<b>North Reference:</b>	True
<b>Well:</b>	PA 522-24	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #2 9Aug2018 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)
8,559.80	0.00	0.00	7,728.00	1,920.25	-2,351.64	3,036.05	0.00	0.00	0.00
<b>CMEO</b>									
8,600.00	0.00	0.00	7,768.20	1,920.25	-2,351.64	3,036.05	0.00	0.00	0.00
8,700.00	0.00	0.00	7,868.20	1,920.25	-2,351.64	3,036.05	0.00	0.00	0.00
8,800.00	0.00	0.00	7,968.20	1,920.25	-2,351.64	3,036.05	0.00	0.00	0.00
8,900.00	0.00	0.00	8,068.20	1,920.25	-2,351.64	3,036.05	0.00	0.00	0.00
8,906.80	0.00	0.00	8,075.00	1,920.25	-2,351.64	3,036.05	0.00	0.00	0.00
<b>RLNS</b>									
9,000.00	0.00	0.00	8,168.20	1,920.25	-2,351.64	3,036.05	0.00	0.00	0.00
9,056.80	0.00	0.00	8,225.00	1,920.25	-2,351.64	3,036.05	0.00	0.00	0.00
<b>TD at 9056.80 - PA 522-24 PBHL</b>									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PA 522-24 BTV	0.00	0.00	5,669.00	1,920.25	-2,351.64	1,620,382.20	2,308,156.40	39.5110904	-107.9524269
- hit/miss target									
- Shape									
- plan misses target center by 57.16usft at 6506.71usft MD (5678.15 TVD, 1884.56 N, -2307.93 E)									
- Circle (radius 50.00)									
PA 522-24 PBHL	0.00	0.00	8,225.00	1,920.25	-2,351.64	1,620,382.20	2,308,156.40	39.5110904	-107.9524269
- plan misses target center by 0.01usft at 9056.80usft MD (8225.00 TVD, 1920.25 N, -2351.64 E)									
- Point									

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (in)	Hole Diameter (in)	
1,100.00	1,057.56	9 5/8" Casing @ 1100' MD	9.62	13.50	

Formations					
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
2,551.90	2,260.00	GSAND		0.00	0.00
2,636.69	2,330.00	GSAND Base		0.00	0.00
4,458.57	3,834.00	Lower Wasatch		0.00	0.00
5,287.18	4,530.00	OCRK		0.00	0.00
5,287.18	4,530.00	MVRD		0.00	0.00
5,287.18	4,530.00	WRFK/UMVRD		0.00	0.00
6,497.42	5,669.00	KMVGAS		0.00	0.00
8,559.80	7,728.00	CMEO		0.00	0.00
8,906.80	8,075.00	RLNS		0.00	0.00

<b>Database:</b>	Grand Junction District	<b>Local Co-ordinate Reference:</b>	Well PA 522-24 - Slot PA 522-24 (B7)
<b>Company:</b>	TEP Rocky Mountain LLC	<b>TVD Reference:</b>	GL 5371' & RKB 24' @ 5395.00usft
<b>Project:</b>	Garfield County, CO NAD83	<b>MD Reference:</b>	GL 5371' & RKB 24' @ 5395.00usft
<b>Site:</b>	PA 34-24 Pad	<b>North Reference:</b>	True
<b>Well:</b>	PA 522-24	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #2 9Aug2018 mmsdi		

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
120.00	120.00	0.00	0.00	Start Build 3.00
1,265.27	1,197.86	210.76	-258.11	Start 3608.26 hold at 1265.27 MD
4,873.54	4,176.57	1,498.74	-1,835.43	Start Drop -1.50
6,497.42	5,669.00	1,883.55	-2,306.69	Start Drop -1.50
7,164.09	6,332.29	1,920.25	-2,351.64	Start 1892.71 hold at 7164.09 MD
9,056.80	8,225.00	1,920.25	-2,351.64	TD at 9056.80