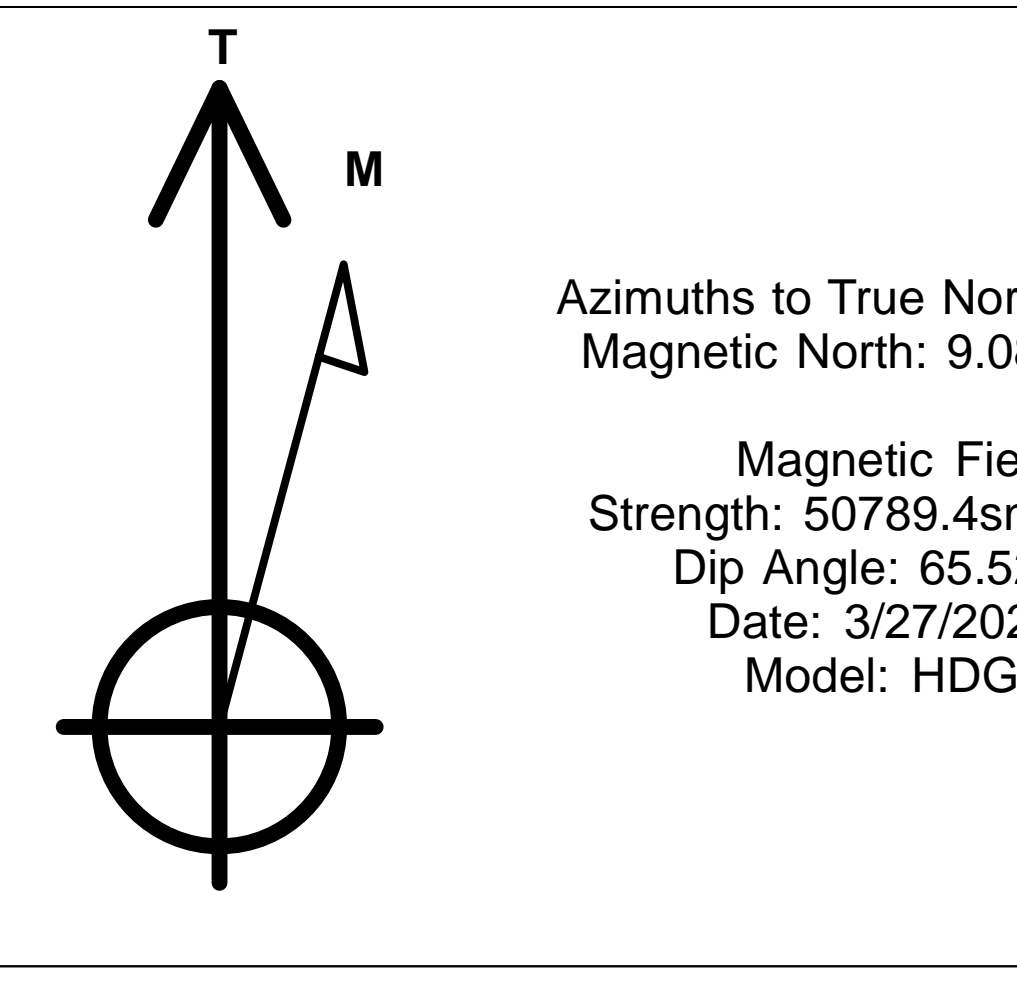


TR 32-28-597 Pad
 TR 311-28-597 (05-045-23567)
 Well TR 311-28-597 - Slot TR 311-28-597, True North
 Surveys

TEP ROCKY MOUNTAIN LLC
 TR 311-28-597
 Garfield County, CO (Nad 83)
 rkb @ 8513.00ft

PROJECT DETAILS: Garfield County, CO (Nad 83)
 Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: Colorado Central Zone
 System Datum: Mean Sea Level



WELL DETAILS: TR 311-28-597							
+N/-S	+E/-W	Northing	Ground Level:	8483.00	Latitude	Longitude	Slot
0.00	0.00	1650724.200	Easting	2216052.200	39.587073	-108.2820159	TR 311-28-597

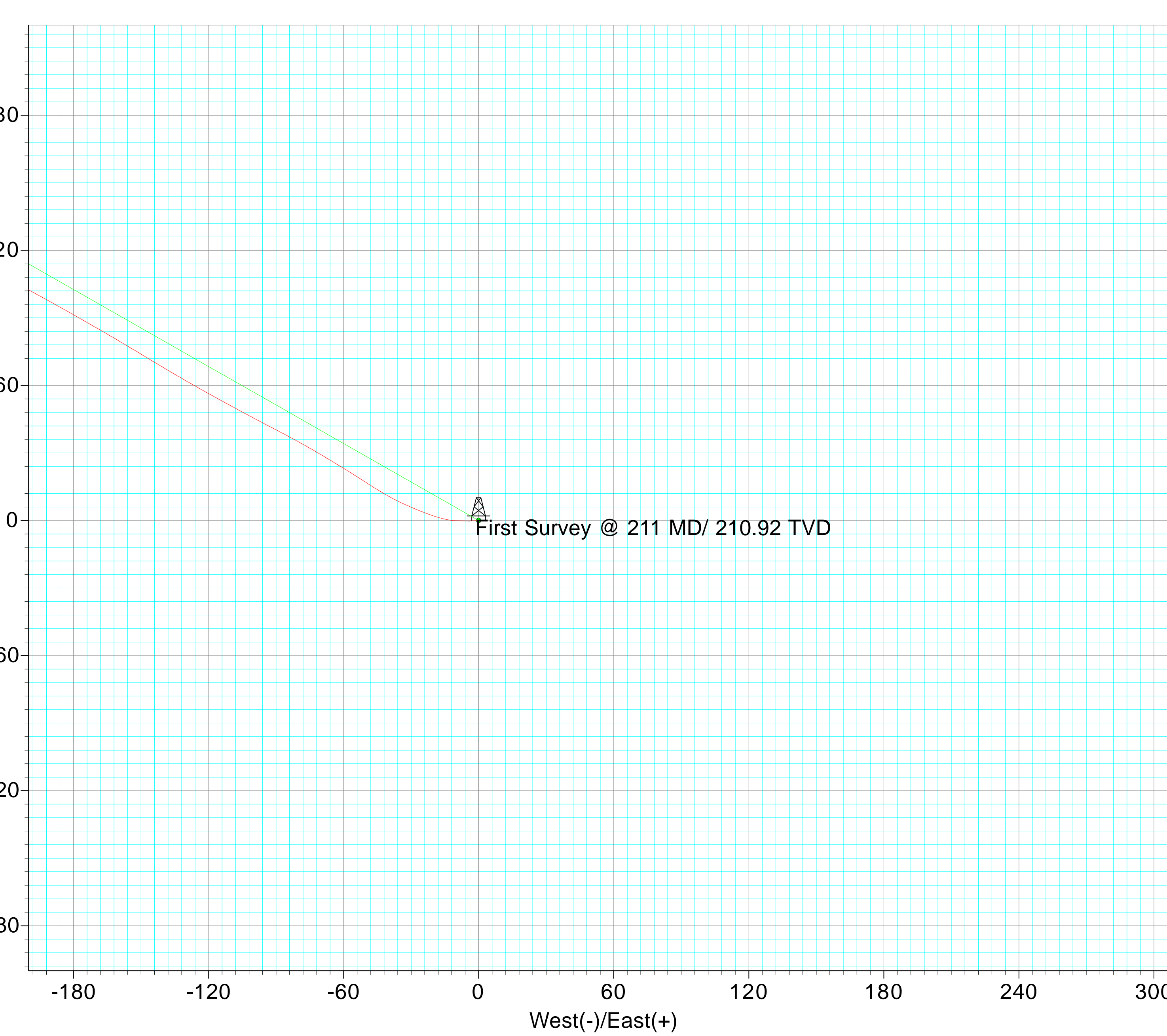
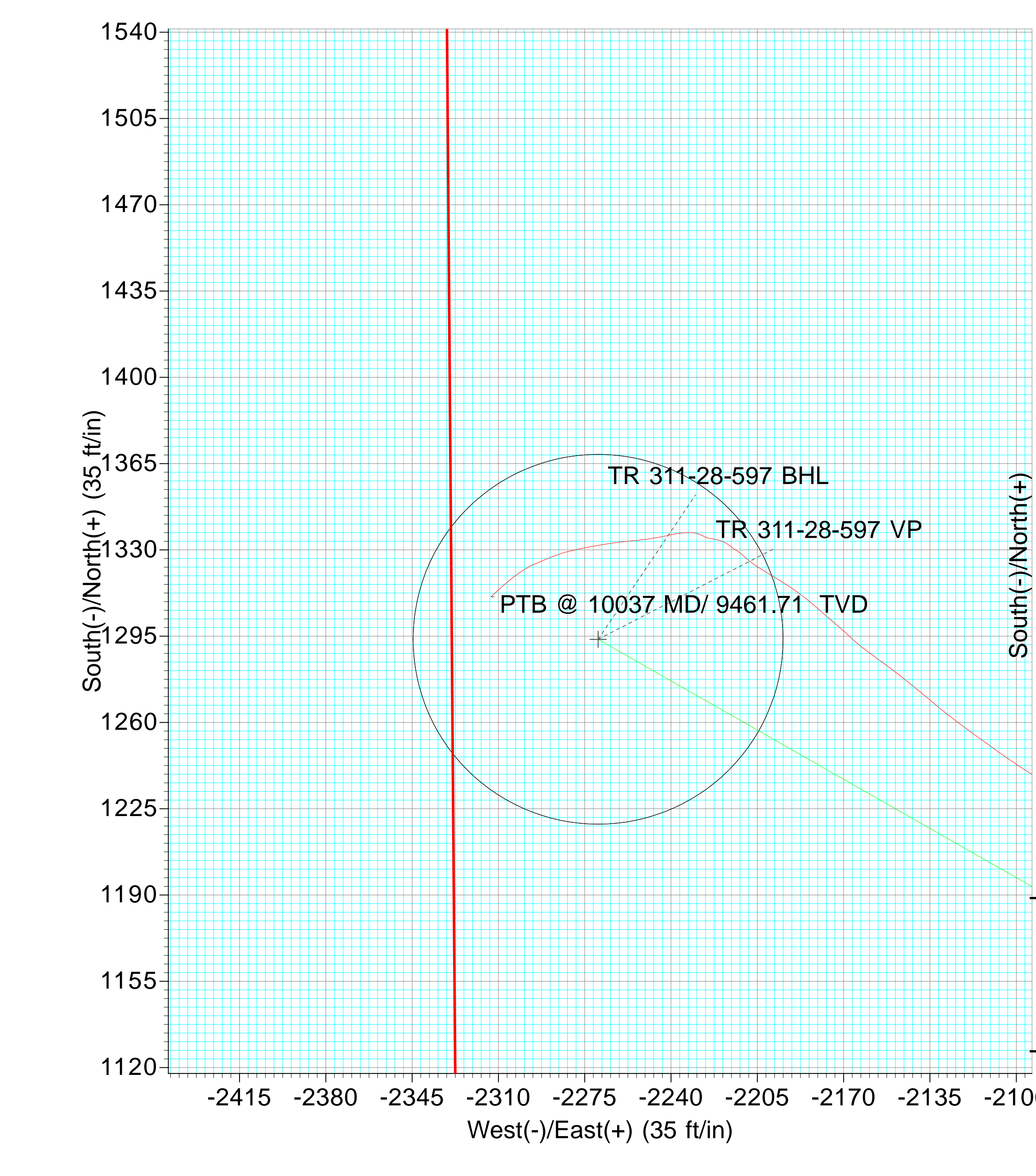
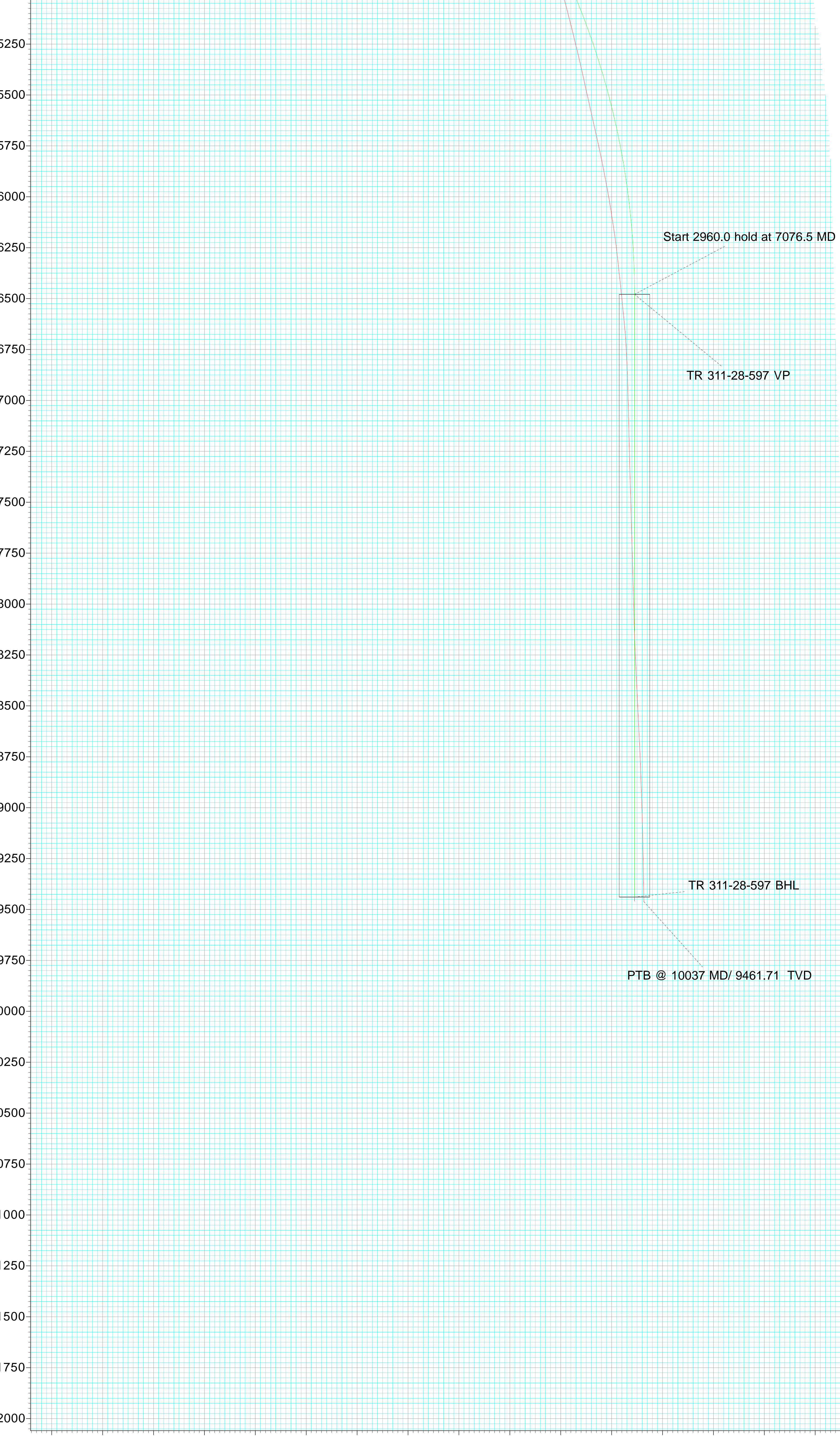
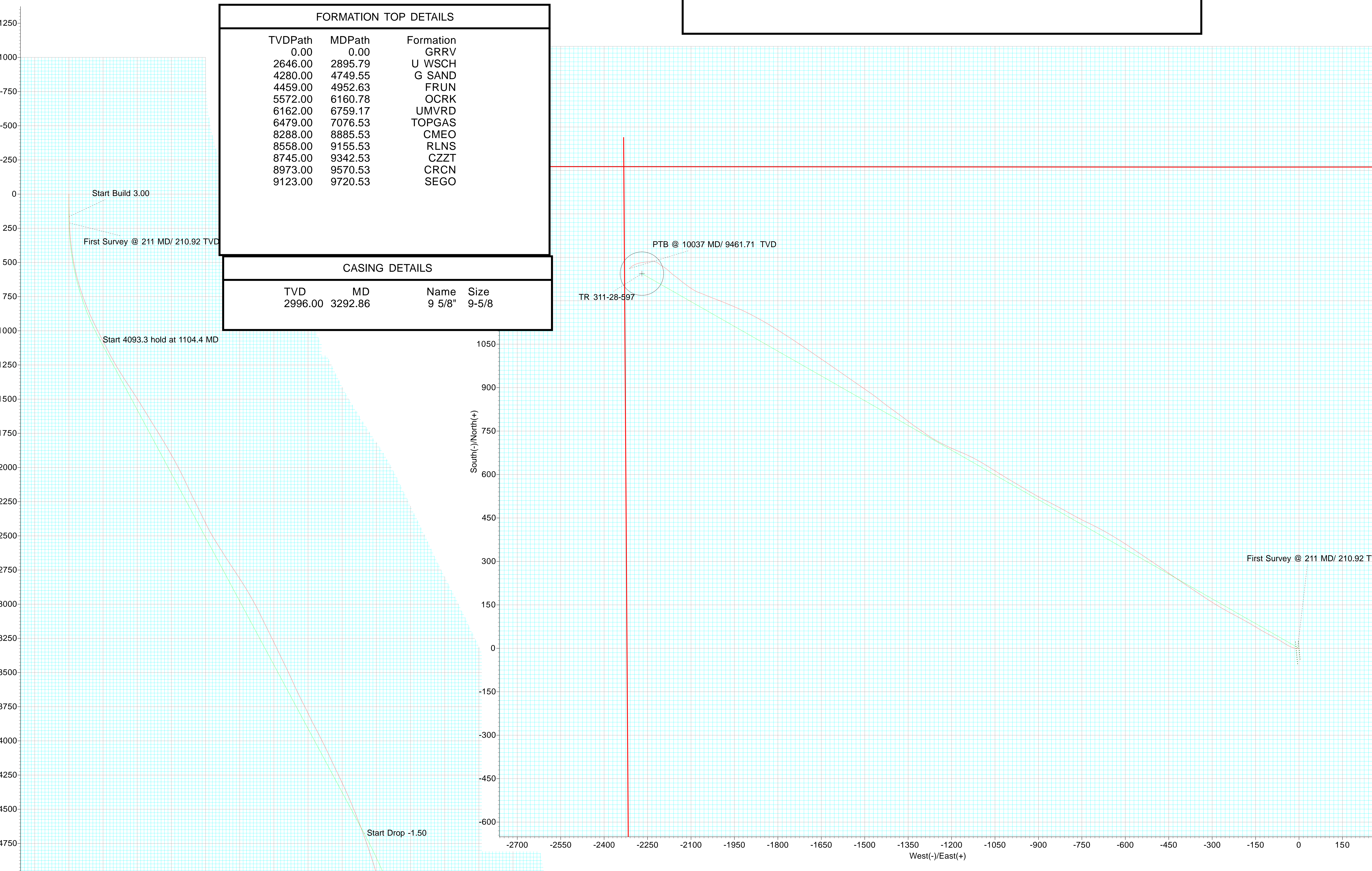
SLOTS				
Slot Name	+N/-S	+E/-W	Northing	Easting
TR 11-28-597	6.58	-10.71	1650731.100	2216041.700
TR 12-28-597	-8.39	-9.25	1650716.100	2216042.700
TR 13-28-597	-30.83	-7.16	1650693.600	2216044.100
TR 28-23	22.45	-2.08	1650746.701	2216050.804
TR 311-28-597	0.00	0.00	1650724.200	2216052.200
TR 312-28-597	-14.86	1.46	1650709.300	2216053.200
TR 31-28-597	14.06	-11.34	1650738.600	2216041.300
TR 331-28-597	21.44	-12.06	1650746.000	2216040.800
TR 333-28-597	-38.21	-6.43	1650686.200	2216044.600
TR 333-28-597R03.18	-4.97	-4.97	1650671.200	2216045.600
TR 411-28-597	-0.91	-9.98	1650723.600	2216042.200
TR 412-28-597	-15.87	-8.52	1650708.600	2216043.200
TR 431-28-597	14.96	-1.46	1650739.200	2216051.200
TR 432-28-597	-29.83	2.81	1650694.300	2216054.100
TR 511-28-597	-7.48	0.73	1650716.700	2216052.700
TR 512-28-597	-23.35	-7.79	1650701.100	2216043.700
TR 531-28-597	7.48	-0.73	1650731.700	2216051.700
TR 532-28-597	-37.31	3.54	1650686.800	2216054.600
TR 612-28-597	-22.35	2.09	1650701.800	2216053.600
TR 612-28-597R05.70	-5.70	-5.70	1650678.700	2216045.100

DESIGN TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
VP	6479.00	1293.72	-2269.58	1652086.800	2213823.300	39.590624	-108.2900692
BHL	9439.00	1293.72	-2269.58	1652086.800	2213823.300	39.590624	-108.2900692

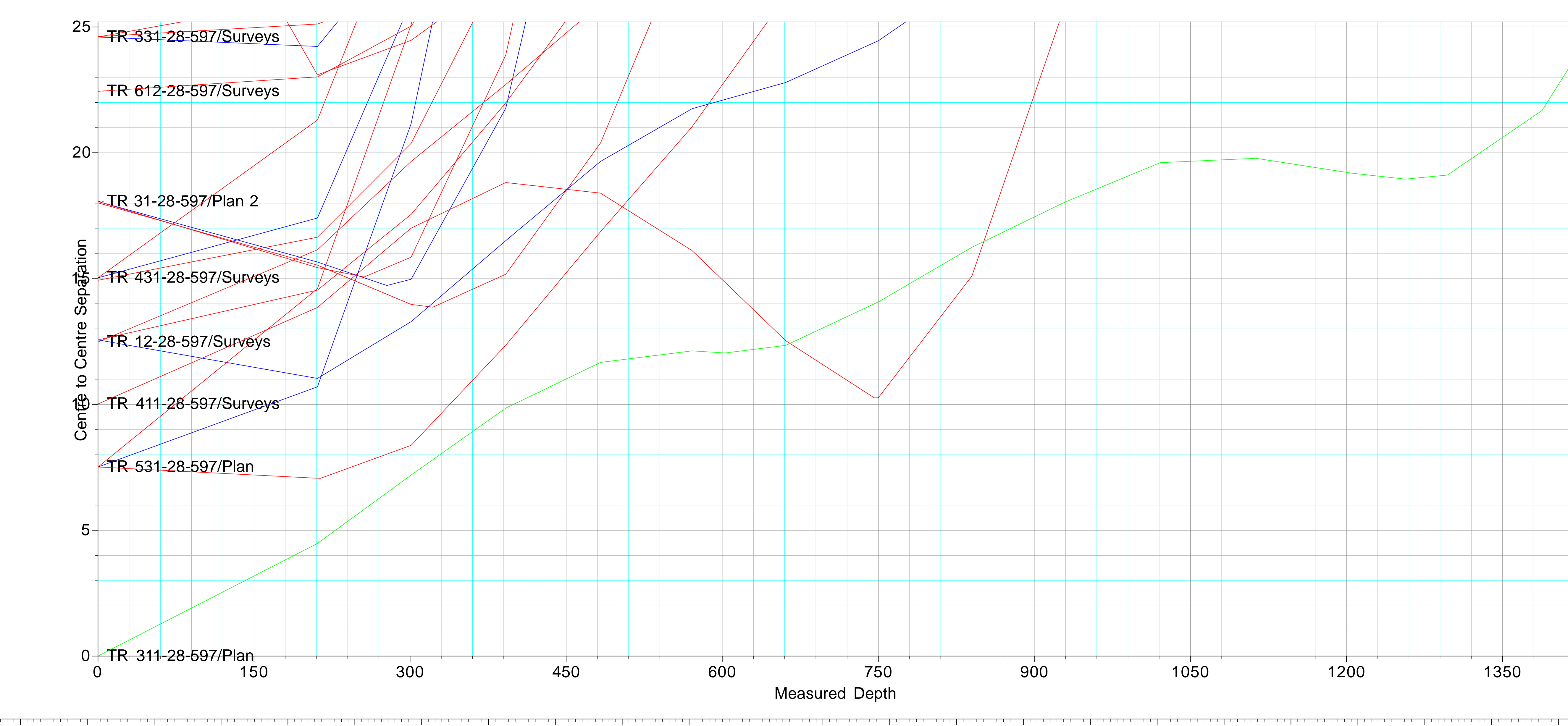
ANNOTATIONS									
TVD	MD	Inc	Azi	+N/-S	+E/-W	VSect	Departure	Annotation	
210.92	211.00	2.68	267.12	-0.25	-4.93	4.16	4.93	First Survey @ 211 MD/ 210.92 TVD	
9461.71	10037.00	3.60	228.01	1310.98	-2313.05	2658.73	2699.47	PTB @ 10037 MD/ 9461.71 TVD	

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
0.00	0.00	GRRV
2646.00	2895.79	U WSCH
4280.00	4749.55	G SAND
4459.00	4952.63	FRUN
5572.00	6160.78	OCRK
6162.00	6759.17	UMVRD
6479.00	7076.53	TOPGAS
8288.00	8885.53	CMEO
8558.00	9155.53	RLNS
8745.00	9342.53	CZT
8973.00	9570.53	CRCN
9123.00	9720.53	SEGO

CASING DETAILS			
TVD	MD	Name	Size
2996.00	3292.86	9 5/8"	9-5/8



ANNOTATIONS									
TVD	MD	Inc	Azi	+N/-S	+E/-W	VSect	Departure	Annotation	
210.92	211.00	2.68	267.12	-0.25	-4.93	4.16	4.93	First Survey @ 211 MD/ 210.92 TVD	
9461.71	10037.00	3.60	228.01	1310.98	-2313.05	2658.73	2699.47	PTB @ 10037 MD/ 9461.71 TVD	



TEP ROCKY MOUNTAIN LLC

Garfield County, CO (Nad 83)

TR 32-28-597 Pad

TR 311-28-597 - Slot TR 311-28-597

05-045-23567

OWB

Design: Surveys

Survey Certification Report

26 June, 2025



Survey Certification Report



Company:	TEP ROCKY MOUNTAIN LLC Garfield	Local Co-ordinate Reference:	Well TR 311-28-597 - Slot TR 311-28-597
Project:	County, CO (Nad 83)	TVD Reference:	rkb @ 8513.00ft
Site:	TR 32-28-597 Pad	MD Reference:	rkb @ 8513.00ft
Well:	TR 311-28-597 (05-045-23567)	North Reference:	True
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	NN

Project	Garfield County, CO (Nad 83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Central Zone		

Site	TR 32-28-597 Pad, Sec 28, T5S, R97W				
Site Position:		Northing:	1,650,709.300 usft	Latitude:	39.587032
From:	Map	Easting:	2,216,053.200 usft	Longitude:	-108.2820108
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16"	Grid Convergence:	-1.75 °

Well	TR 311-28-597 - Slot TR 311-28-597					
Well Position	+N/-S	0.00 ft	Northing:	1,650,724.200 usft	Latitude:	39.587073
	+E/-W	0.00 ft	Easting:	2,216,052.200 usft	Longitude:	-108.2820159
Position Uncertainty		0.00 ft	Wellhead Elevation:	8,513.00 ft	Ground Level:	8,483.00 ft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	3/27/2025	9.08	65.52	50,789

Design	Surveys				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:		Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
		0.00	0.00	0.00	299.68

Survey Program	Date	6/12/2025			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
211.00	10,037.00	Surveys (OWB)	OWSG (REV5) MWD HDGM	OWSG MWD - Standard	

Survey									
MD (ft)	Inc (°)	Azi (azimuth) (°)	TVD (ft)	N/S (ft)	E/W (ft)	Closure Distance (ft)	Closure Azimuth (°)		
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
211.00	2.68	267.12	210.92	-0.25	-4.93	4.93	267.12		
301.00	5.05	274.68	300.71	-0.03	-10.98	10.98	269.84		
392.00	7.33	288.74	391.18	2.16	-20.47	20.58	276.03		
483.00	9.88	294.46	481.15	7.26	-33.07	33.86	282.38		
571.00	12.78	302.89	567.43	15.67	-48.12	50.61	288.04		
661.00	16.30	301.05	654.54	27.60	-67.31	72.75	292.29		
750.00	19.07	297.44	739.33	40.74	-90.92	99.63	294.14		
840.00	21.66	298.94	823.69	55.56	-118.51	130.88	295.12		
929.00	24.82	301.22	905.46	73.19	-148.86	165.88	296.18		
1,021.00	26.58	299.29	988.36	93.27	-183.33	205.69	296.97		
1,113.00	27.33	297.71	1,070.37	113.16	-219.98	247.38	297.22		

Survey Certification Report



Company:	TEP ROCKY MOUNTAIN LLC Garfield	Local Co-ordinate Reference:	Well TR 311-28-597 - Slot TR 311-28-597
Project:	County, CO (Nad 83)	TVD Reference:	rkb @ 8513.00ft
Site:	TR 32-28-597 Pad	MD Reference:	rkb @ 8513.00ft
Well:	TR 311-28-597 (05-045-23567)	North Reference:	True
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	NN

Survey								
MD (ft)	Inc (°)	Azi (azimuth) (°)	TVD (ft)	N/S (ft)	E/W (ft)	Closure Distance (ft)	Closure Azimuth (°)	
1,205.00	27.37	299.20	1,152.08	133.30	-257.14	289.64	297.40	
1,297.00	29.57	302.01	1,232.96	155.65	-294.85	333.42	297.83	
1,388.00	32.29	303.68	1,311.01	181.04	-334.13	380.02	298.45	
1,480.00	33.26	303.95	1,388.36	208.76	-375.51	429.63	299.07	
1,571.00	33.04	304.21	1,464.55	236.64	-416.72	479.22	299.59	
1,663.00	31.77	304.65	1,542.22	264.51	-457.39	528.37	300.04	
1,755.00	31.64	304.21	1,620.49	291.85	-497.27	576.59	300.41	
1,847.00	32.12	303.86	1,698.62	319.05	-537.53	625.09	300.69	
1,939.00	31.55	303.68	1,776.78	346.02	-577.87	673.55	300.91	
2,030.00	29.88	302.10	1,855.01	371.27	-616.89	720.00	301.04	
2,122.00	29.35	300.26	1,934.99	394.81	-655.78	765.45	301.05	
2,214.00	27.33	297.44	2,015.97	415.91	-694.00	809.08	300.93	
2,305.00	25.35	295.60	2,097.52	433.95	-730.11	849.34	300.73	
2,397.00	25.44	298.06	2,180.63	451.76	-765.31	888.70	300.55	
2,489.00	26.89	299.38	2,263.20	471.26	-800.88	929.25	300.47	
2,581.00	26.14	297.97	2,345.52	490.97	-836.91	970.30	300.40	
2,673.00	26.41	295.95	2,428.02	509.43	-873.21	1,010.95	300.26	
2,765.00	31.02	299.91	2,508.69	530.22	-912.18	1,055.08	300.17	
2,856.00	32.25	300.78	2,586.17	554.34	-953.36	1,102.81	300.18	
2,948.00	32.82	300.70	2,663.73	579.63	-995.89	1,152.29	300.20	
3,040.00	33.48	302.01	2,740.76	605.81	-1,038.85	1,202.58	300.25	
3,131.00	33.04	301.84	2,816.85	632.20	-1,081.21	1,252.47	300.32	
3,222.00	31.33	297.53	2,893.87	656.23	-1,123.27	1,300.91	300.29	
3,257.00	30.32	295.25	2,923.93	664.20	-1,139.33	1,318.80	300.24	
3,342.00	28.82	292.35	2,997.86	681.15	-1,177.69	1,360.48	300.04	
3,434.00	25.75	296.04	3,079.62	698.36	-1,216.16	1,402.41	299.87	
3,525.00	26.23	298.50	3,161.42	716.63	-1,251.60	1,442.24	299.79	
3,617.00	26.49	305.62	3,243.87	738.29	-1,286.15	1,482.99	299.86	
3,708.00	25.40	304.30	3,325.70	761.11	-1,318.78	1,522.65	299.99	
3,800.00	26.49	307.82	3,408.43	784.81	-1,351.29	1,562.66	300.15	
3,891.00	25.79	306.15	3,490.13	808.93	-1,383.30	1,602.47	300.32	
3,983.00	24.03	305.62	3,573.56	831.65	-1,414.69	1,641.04	300.45	
4,075.00	26.32	309.22	3,656.82	855.46	-1,445.73	1,679.86	300.61	
4,166.00	27.29	305.00	3,738.05	880.19	-1,478.45	1,720.62	300.77	
4,258.00	25.48	304.30	3,820.47	903.44	-1,512.08	1,761.41	300.86	
4,350.00	28.34	304.83	3,902.50	927.06	-1,546.36	1,802.96	300.94	
4,442.00	26.85	305.00	3,984.03	951.45	-1,581.30	1,845.47	301.03	
4,533.00	25.79	304.65	4,065.59	974.50	-1,614.42	1,885.74	301.12	
4,624.00	24.82	304.12	4,147.86	996.47	-1,646.52	1,924.57	301.18	
4,715.00	26.10	304.74	4,230.02	1,018.59	-1,678.78	1,963.63	301.25	
4,807.00	25.00	303.77	4,313.02	1,040.93	-1,711.57	2,003.25	301.31	
4,899.00	24.03	303.60	4,396.73	1,062.10	-1,743.34	2,041.39	301.35	
4,990.00	22.45	302.72	4,480.34	1,081.75	-1,773.39	2,077.28	301.38	
5,081.00	21.48	302.54	4,564.74	1,100.10	-1,802.05	2,111.31	301.40	

Survey Certification Report



Company:	TEP ROCKY MOUNTAIN LLC Garfield	Local Co-ordinate Reference:	Well TR 311-28-597 - Slot TR 311-28-597
Project:	County, CO (Nad 83)	TVD Reference:	rkb @ 8513.00ft
Site:	TR 32-28-597 Pad	MD Reference:	rkb @ 8513.00ft
Well:	TR 311-28-597 (05-045-23567)	North Reference:	True
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	NN

Survey								
MD (ft)	Inc (°)	Azi (azimuth) (°)	TVD (ft)	N/S (ft)	E/W (ft)	Closure Distance (ft)	Closure Azimuth (°)	
5,173.00	20.47	300.61	4,650.64	1,117.35	-1,830.10	2,144.23	301.41	
5,264.00	19.46	299.20	4,736.17	1,132.85	-1,857.03	2,175.29	301.38	
5,355.00	18.54	298.15	4,822.21	1,147.07	-1,883.02	2,204.89	301.35	
5,447.00	17.18	296.13	4,909.78	1,159.96	-1,908.11	2,233.02	301.30	
5,539.00	15.82	294.19	4,997.99	1,171.08	-1,931.75	2,259.00	301.23	
5,630.00	14.67	293.23	5,085.78	1,180.71	-1,953.66	2,282.73	301.15	
5,722.00	14.01	292.35	5,174.92	1,189.54	-1,974.66	2,305.27	301.06	
5,813.00	13.79	291.82	5,263.25	1,197.76	-1,994.92	2,326.87	300.98	
5,905.00	12.96	290.68	5,352.76	1,205.48	-2,014.75	2,347.85	300.89	
5,997.00	12.61	292.00	5,442.48	1,212.88	-2,033.71	2,367.92	300.81	
6,089.00	12.74	292.35	5,532.23	1,220.50	-2,052.40	2,387.88	300.74	
6,180.00	12.74	289.97	5,620.99	1,227.74	-2,071.12	2,407.67	300.66	
6,272.00	12.74	300.61	5,710.74	1,236.37	-2,089.38	2,427.79	300.61	
6,364.00	11.82	305.53	5,800.64	1,247.02	-2,105.78	2,447.32	300.63	
6,456.00	10.94	306.15	5,890.83	1,257.64	-2,120.50	2,465.40	300.67	
6,548.00	10.59	310.19	5,981.21	1,268.25	-2,134.01	2,482.43	300.72	
6,640.00	8.83	308.26	6,071.89	1,278.08	-2,146.01	2,497.77	300.78	
6,731.00	8.78	305.44	6,161.82	1,286.43	-2,157.15	2,511.61	300.81	
6,823.00	6.81	312.74	6,252.96	1,294.20	-2,166.88	2,523.95	300.85	
6,916.00	6.28	310.54	6,345.36	1,301.25	-2,174.80	2,534.36	300.89	
7,010.00	6.37	311.07	6,438.79	1,308.02	-2,182.63	2,544.56	300.93	
7,105.00	5.49	303.42	6,533.28	1,313.98	-2,190.40	2,554.29	300.96	
7,198.00	5.75	301.84	6,625.83	1,318.89	-2,198.07	2,563.40	300.96	
7,293.00	3.03	301.31	6,720.54	1,322.71	-2,204.26	2,570.67	300.97	
7,388.00	3.03	309.22	6,815.41	1,325.60	-2,208.35	2,575.66	300.97	
7,483.00	1.58	313.26	6,910.33	1,328.09	-2,211.25	2,579.43	300.99	
7,577.00	1.58	300.52	7,004.30	1,329.63	-2,213.31	2,581.99	301.00	
7,671.00	1.18	308.78	7,098.27	1,330.90	-2,215.18	2,584.24	301.00	
7,766.00	1.36	304.92	7,193.25	1,332.15	-2,216.87	2,586.34	301.00	
7,861.00	1.49	293.93	7,288.22	1,333.30	-2,218.92	2,588.69	301.00	
7,955.00	1.80	282.06	7,382.18	1,334.10	-2,221.48	2,591.30	300.99	
8,049.00	1.66	279.08	7,476.13	1,334.63	-2,224.27	2,593.96	300.96	
8,143.00	1.58	299.20	7,570.10	1,335.47	-2,226.75	2,596.52	300.95	
8,237.00	1.80	288.13	7,664.06	1,336.57	-2,229.28	2,599.25	300.94	
8,331.00	1.97	268.62	7,758.01	1,336.99	-2,232.30	2,602.06	300.92	
8,426.00	2.02	266.77	7,852.95	1,336.85	-2,235.60	2,604.82	300.88	
8,520.00	1.93	256.22	7,946.89	1,336.38	-2,238.79	2,607.32	300.83	
8,614.00	1.93	257.89	8,040.84	1,335.67	-2,241.88	2,609.61	300.79	
8,708.00	2.37	260.97	8,134.77	1,335.04	-2,245.35	2,612.26	300.73	
8,802.00	3.16	261.23	8,228.66	1,334.34	-2,249.83	2,615.76	300.67	
8,897.00	3.25	265.63	8,323.52	1,333.73	-2,255.10	2,619.98	300.60	
8,991.00	3.42	263.52	8,417.36	1,333.21	-2,260.54	2,624.41	300.53	
9,085.00	3.51	259.92	8,511.18	1,332.39	-2,266.16	2,628.83	300.45	
9,179.00	3.47	260.79	8,605.01	1,331.43	-2,271.80	2,633.21	300.37	

Survey Certification Report



Company:	TEP ROCKY MOUNTAIN LLC Garfield	Local Co-ordinate Reference:	Well TR 311-28-597 - Slot TR 311-28-597
Project:	County, CO (Nad 83)	TVD Reference:	rkb @ 8513.00ft
Site:	TR 32-28-597 Pad	MD Reference:	rkb @ 8513.00ft
Well:	TR 311-28-597 (05-045-23567)	North Reference:	True
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	NN

MD (ft)	Inc (°)	Azi (azimuth) (°)	TVD (ft)	N/S (ft)	E/W (ft)	Closure Distance (ft)	Closure Azimuth (°)
9,273.00	3.82	256.93	8,698.82	1,330.27	-2,277.66	2,637.68	300.29
9,368.00	3.12	256.22	8,793.65	1,328.94	-2,283.25	2,641.84	300.20
9,462.00	3.07	245.76	8,887.51	1,327.30	-2,288.03	2,645.15	300.12
9,557.00	2.90	249.28	8,982.38	1,325.40	-2,292.60	2,648.15	300.03
9,651.00	2.76	242.86	9,076.27	1,323.53	-2,296.84	2,650.89	299.95
9,746.00	2.81	236.62	9,171.15	1,321.20	-2,300.82	2,653.18	299.87
9,839.00	2.94	230.47	9,264.04	1,318.43	-2,304.56	2,655.05	299.77
9,933.00	3.12	228.54	9,357.91	1,315.20	-2,308.34	2,656.72	299.67
9,981.00	3.60	228.01	9,405.82	1,313.33	-2,310.44	2,657.62	299.62
10,037.00	3.60	228.01	9,461.71	1,310.98	-2,313.05	2,658.73	299.54

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
211.00	210.92	-0.25	-4.93	First Survey @ 211 MD/ 210.92 TVD
10,037.00	9,461.71	1,310.98	-2,313.05	PTB @ 10037 MD/ 9461.71 TVD

Checked By: _____ Approved By: _____ Date: _____