

WELL DETAILS: RG 312-18-297

+N/-S	+E/-W	Northing	Ground Level:	Easting	6667.00	Latitude	Longitude	Slot
0.00	0.00	1754888.210	2203547.230	39.871829	-108.337908	RG 312-18-297 B7		

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
VP	8147.00	2330.03	2095.33	1757151.650	2205714.310	39.878225	-108.330442
BHL	0647.00	2330.03	2095.33	1757151.650	2205714.310	39.878225	-108.330442

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Departure	Annotation
204.97	205.00	1.58	5.20	2.81	0.26	2.83	2.83	First Survey @ 205 MD/ 204.97 TVD
10668.58	11327.00	3.69	253.40	2375.24	2063.43	3145.89	3290.09	PTB @ 11327 MD/ 10668.58 TVD

SLOTS

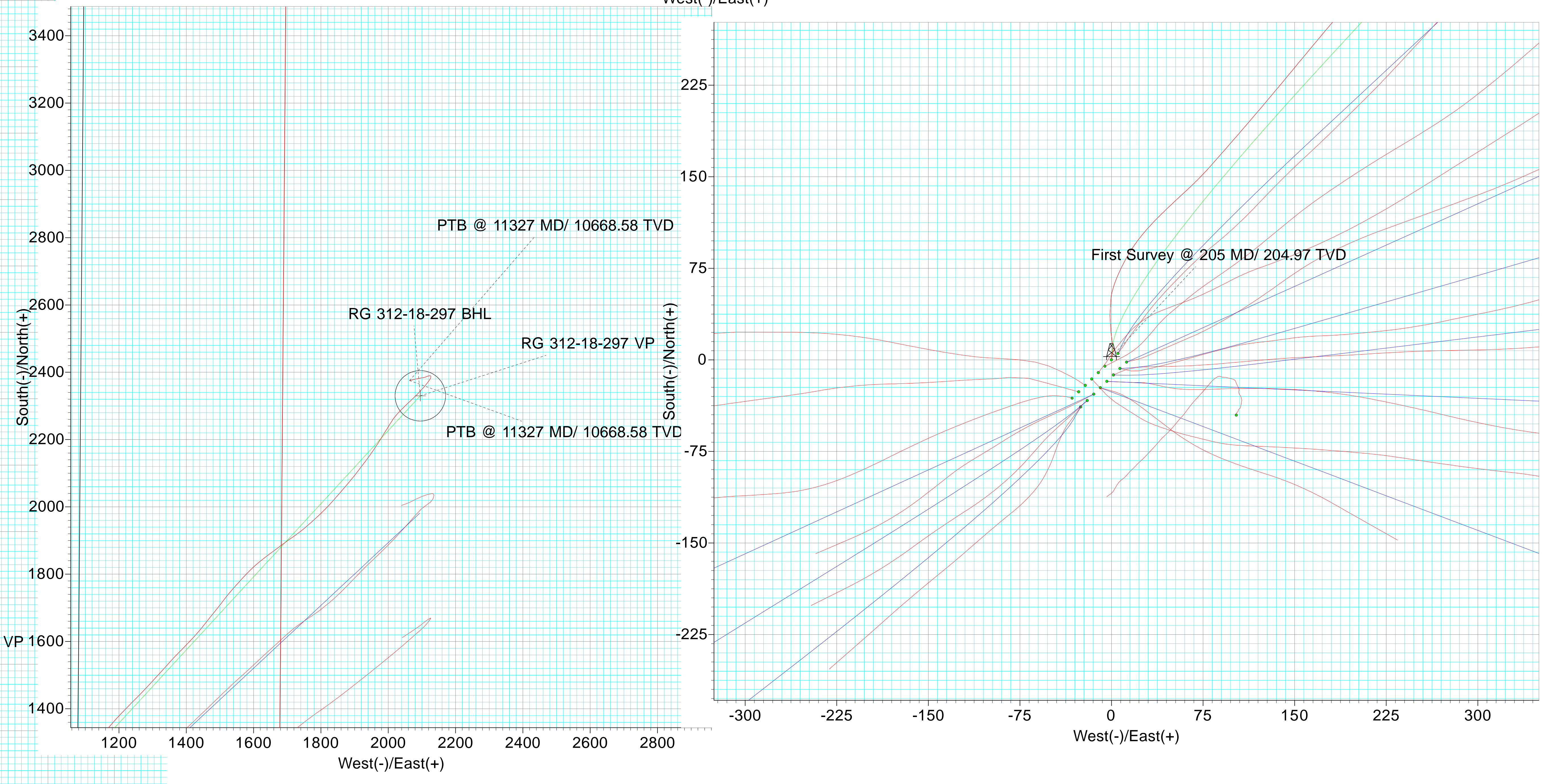
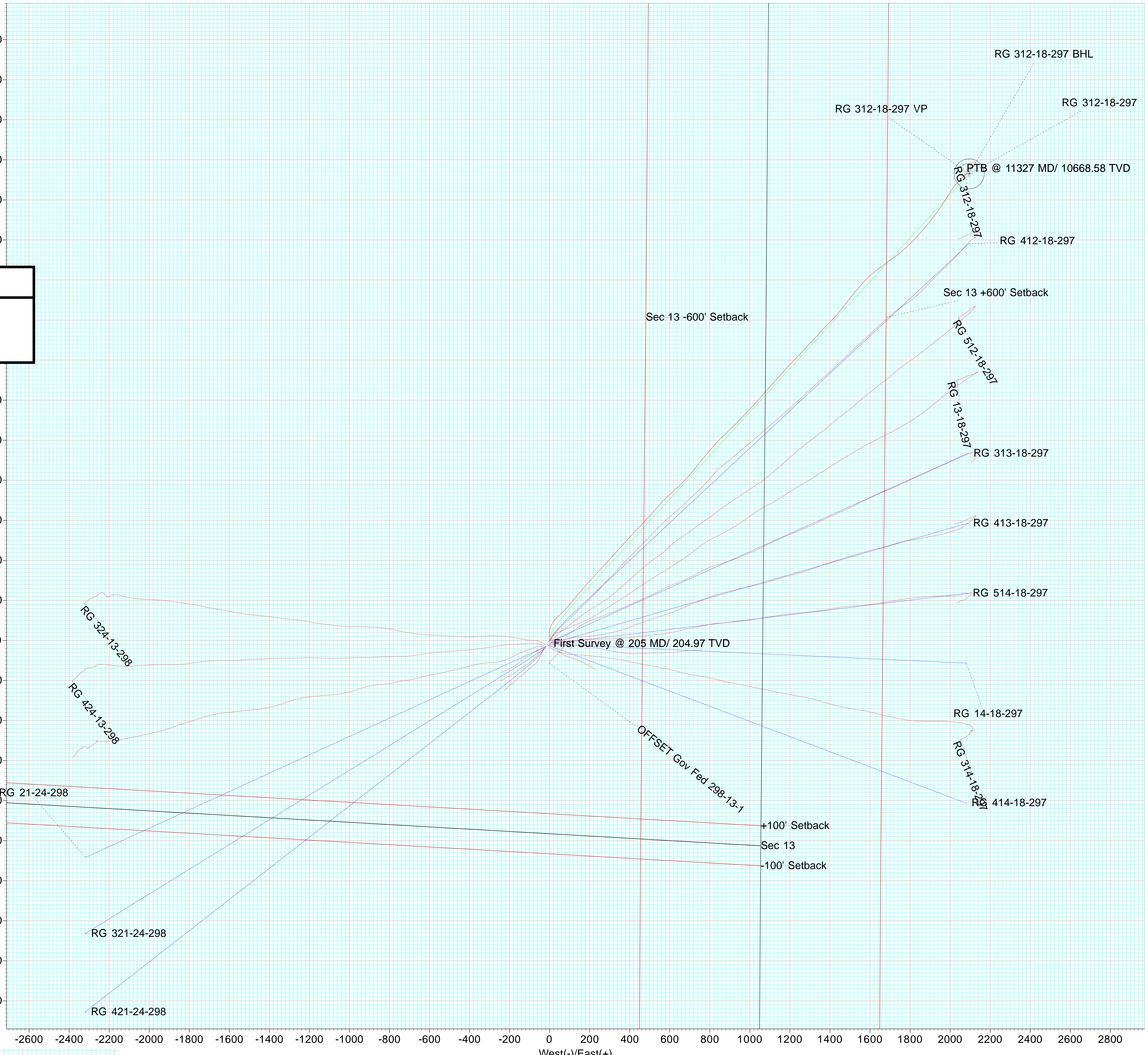
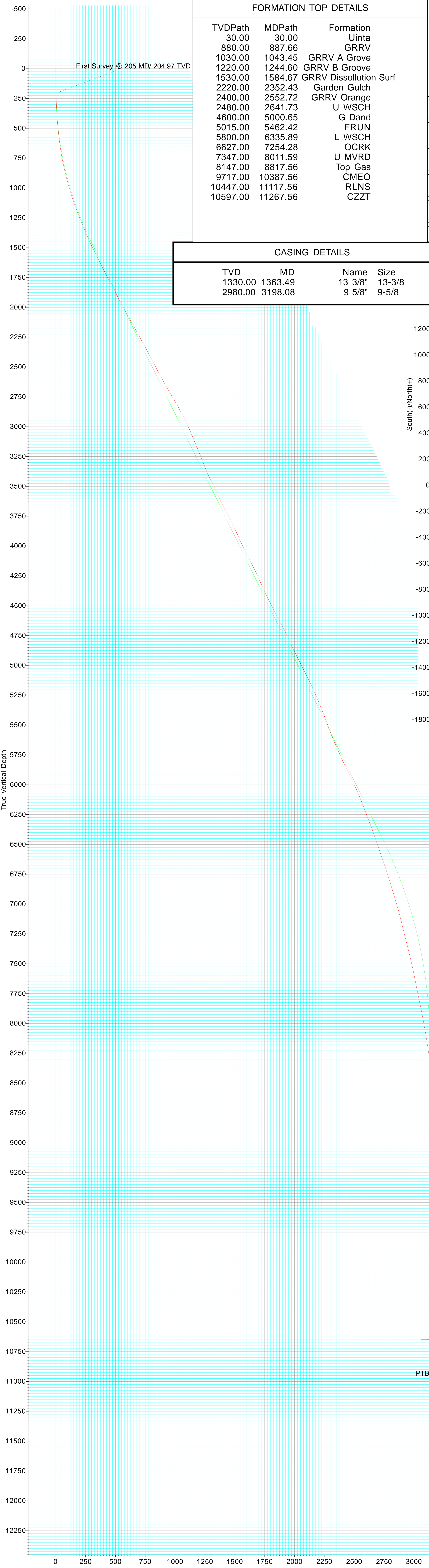
Slot Name	+N/-S	+E/-W	Northing	Easting
RG 13-18-297 B40.47	-10.74	1754878.080	2203536.170	
RG 14-18-297 A37.63	-3.75	1754870.710	2203542.930	
RG 21-24-298 A28.11	-14.49	1754860.570	2203531.870	
RG 312-18-297 B70.00	0.00	1754888.210	2203547.230	
RG 313-18-297 A1.93	12.35	1754885.900	2203559.510	
RG 314-18-297 B16.70	-16.10	1754873.020	2203530.650	
RG 321-24-298 A32.34	-19.86	1754855.510	2203526.340	
RG 324-13-298 B20.95	-21.47	1754867.940	2203525.120	
RG 412-18-297 B5.23	5.37	1754893.270	2203552.760	
RG 413-18-297 A7.16	6.98	1754880.840	2203553.980	
RG 414-18-297 A22.87	-9.12	1754865.640	2203537.400	
RG 421-24-298 A18.58	-25.22	1754850.440	2203520.820	
RG 424-13-298 B26.18	-26.84	1754862.880	2203519.590	
RG 512-18-297 B5.24	-5.37	1754883.140	2203541.700	
RG 514-18-297 A12.40	1.61	1754875.770	2203548.450	
RG 524-13-298 B1.42	-32.20	1754857.810	2203514.060	

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
30.00	30.00	Uinta
880.00	887.66	GRRV
1030.00	1043.45	GRRV A Grove
1220.00	1244.60	GRRV B Groove
1530.00	1584.67	GRRV Dissolution Surf
2220.00	2352.43	Garden Gulch
2400.00	2552.72	GRRV Orange
2480.00	2641.73	U WSCH
4600.00	5000.65	G Dand
5015.00	5462.42	FRUN
5800.00	6335.89	L WSCH
6627.00	7254.28	OCRK
7347.00	8011.59	U MVRD
8147.00	8817.56	Top Gas
9717.00	10387.56	CME0
10447.00	11117.56	RLNS
10597.00	11267.56	CZTZ

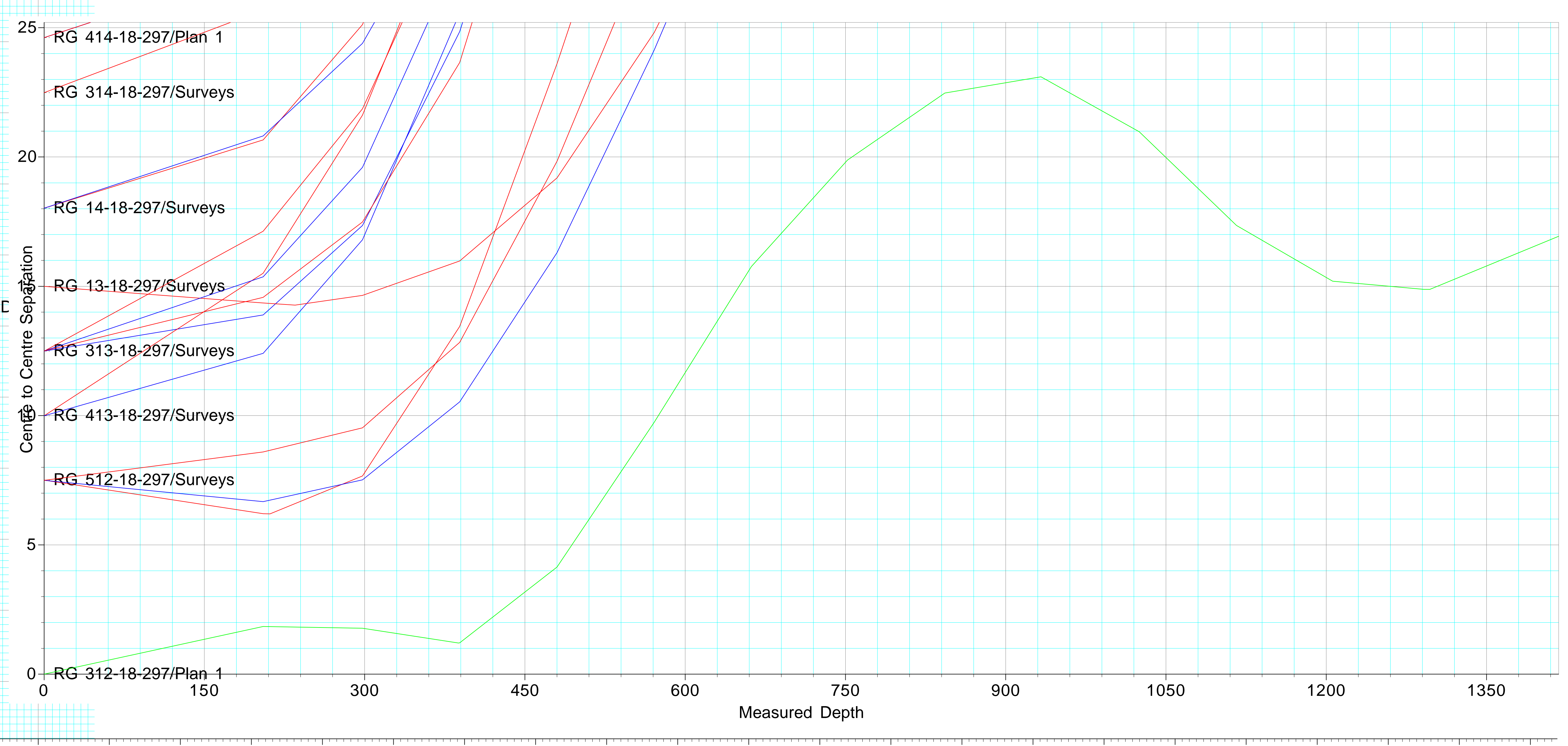
CASING DETAILS

TVD	MD	Name	Size
1330.00	1363.49	13 3/8"	13-3/8
2980.00	3198.08	9 5/8"	9-5/8



ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Departure	Annotation
204.97	205.00	1.58	5.20	2.81	0.26	2.83	2.83	First Survey @ 205 MD/ 204.97 TVD
10668.58	11327.00	3.69	253.40	2375.24	2063.43	3145.89	3290.09	PTB @ 11327 MD/ 10668.58 TVD





Terra Energy Partners, LLP

Garfield County, CO (Nad 83)

Fed 298-13-1 Pad

RG 312-18-297 - Slot RG 312-18-297 B7

OWB

Survey: Surveys

Standard Survey Report

04 June, 2024



Company:	Terra Energy Partners, LLP	Local Co-ordinate Reference:	Well RG 312-18-297 - Slot RG 312-18-297 B7
Project:	Garfield County, CO (Nad 83)	TVD Reference:	RKB @ 30' @ 6697.00ft
Site:	Fed 298-13-1 Pad	MD Reference:	RKB @ 30' @ 6697.00ft
Well:	RG 312-18-297	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	Fed 298-13-1 Pad				
Site Position:		Northing:	1,754,850.440 usft	Latitude:	39.871723
From:	Map	Easting:	2,203,520.820 usft	Longitude:	-108.337998
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "	Grid Convergence:	-1.79 °

Well	RG 312-18-297 - Slot RG 312-18-297 B7					
Well Position	+N/-S	0.00 ft	Northing:	1,754,888.210 usft	Latitude:	39.871829
	+E/-W	0.00 ft	Easting:	2,203,547.230 usft	Longitude:	-108.337908
Position Uncertainty		0.00 ft	Wellhead Elevation:	6,697.00 ft	Ground Level:	6,667.00 ft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	12/31/2023	9.07	65.75	50,921

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	41.96	

Survey Program	Date	5/6/2024			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
205.00	11,327.00	Surveys (OWB)	OWSG (REV5) MWD HDGM	OWSG MWD - Standard	

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	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	
205.00	1.58	5.20	204.97	2.81	0.26	2.26	0.77	0.77	0.00	
First Survey @ 205 MD/ 204.97 TVD										
298.00	3.16	17.85	297.89	6.53	1.16	5.63	1.78	1.70	13.60	
389.00	5.14	345.07	388.66	12.86	0.88	10.15	3.31	2.18	-36.02	
480.00	7.60	356.94	479.10	22.81	-0.50	16.63	3.05	2.70	13.04	
571.00	9.31	356.41	569.10	36.17	-1.28	26.04	1.88	1.88	-0.58	
662.00	9.79	9.68	658.85	51.14	-0.44	37.73	2.47	0.53	14.58	
752.00	11.29	22.16	747.34	66.85	4.17	52.49	3.03	1.67	13.87	
843.00	13.13	29.19	836.29	84.12	12.58	70.96	2.60	2.02	7.73	
933.00	14.32	39.04	923.73	101.69	24.57	92.05	2.91	1.32	10.94	

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Site:	Fed 298-13-1 Pad	MD Reference:	RKB @ 30' @ 6697.00ft
Well:	RG 312-18-297	North Reference:	True
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	NN

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
1,025.00	17.00	45.89	1,012.31	119.90	41.40	116.83	3.53	2.91	7.45	
1,116.00	18.58	47.47	1,098.96	138.96	61.64	144.54	1.82	1.74	1.74	
1,206.00	20.47	41.41	1,183.79	160.46	82.62	174.55	3.08	2.10	-6.73	
1,297.00	22.23	40.88	1,268.54	185.41	104.41	207.68	1.95	1.93	-0.58	
1,469.00	23.68	39.56	1,426.92	236.64	147.70	274.72	0.89	0.84	-0.77	
1,560.00	25.44	39.83	1,509.68	265.74	171.86	312.51	1.94	1.93	0.30	
1,650.00	27.29	42.99	1,590.32	295.68	198.32	352.46	2.58	2.06	3.51	
1,741.00	26.93	43.34	1,671.32	325.93	226.69	393.92	0.43	-0.40	0.38	
1,833.00	27.64	42.99	1,753.08	356.69	255.54	436.09	0.79	0.77	-0.38	
1,924.00	27.07	41.67	1,833.91	387.60	283.70	477.90	0.91	-0.63	-1.45	
2,015.00	28.03	42.11	1,914.59	418.93	311.80	519.99	1.08	1.05	0.48	
2,107.00	27.86	42.09	1,995.86	450.92	340.70	563.10	0.19	-0.18	-0.02	
2,198.00	29.31	42.42	2,075.77	483.14	369.98	606.64	1.60	1.59	0.36	
2,289.00	29.09	41.94	2,155.20	516.04	399.79	651.03	0.35	-0.24	-0.53	
2,381.00	29.17	43.34	2,235.57	548.98	430.13	695.81	0.75	0.09	1.52	
2,472.00	28.47	43.76	2,315.30	580.78	460.35	739.66	0.80	-0.77	0.46	
2,564.00	27.64	43.17	2,396.48	612.18	490.12	782.92	0.95	-0.90	-0.64	
2,655.00	27.77	41.50	2,477.05	643.45	518.61	825.22	0.87	0.14	-1.84	
2,747.00	28.30	41.28	2,558.26	675.89	547.20	868.46	0.59	0.58	-0.24	
2,839.00	28.96	45.28	2,639.02	707.96	577.41	912.51	2.20	0.72	4.35	
2,930.00	30.76	48.78	2,717.94	738.80	610.58	957.61	2.75	1.98	3.85	
3,022.00	30.32	46.15	2,797.18	770.39	645.02	1,004.14	1.53	-0.48	-2.86	
3,113.00	28.21	43.78	2,876.56	801.83	676.47	1,048.55	2.64	-2.32	-2.60	
3,161.00	26.93	42.11	2,919.11	818.09	691.61	1,070.76	3.11	-2.67	-3.48	
3,326.00	22.58	37.28	3,068.93	871.05	735.88	1,139.73	2.91	-2.64	-2.93	
3,417.00	22.63	38.68	3,152.94	898.61	757.40	1,174.63	0.59	0.05	1.54	
3,508.00	22.19	40.53	3,237.07	925.34	779.51	1,209.28	0.91	-0.48	2.03	
3,600.00	21.26	40.35	3,322.53	951.26	801.60	1,243.33	1.01	-1.01	-0.20	
3,691.00	24.34	40.53	3,406.41	978.09	824.48	1,278.57	3.39	3.38	0.20	
3,782.00	26.54	46.77	3,488.60	1,006.28	851.48	1,317.59	3.81	2.42	6.86	
3,873.00	26.05	45.63	3,570.18	1,034.18	880.58	1,357.79	0.77	-0.54	-1.25	
3,965.00	26.80	45.98	3,652.57	1,062.72	909.94	1,398.64	0.83	0.82	0.38	
4,056.00	27.29	44.22	3,733.62	1,091.93	939.24	1,439.95	1.03	0.54	-1.93	
4,148.00	26.01	43.69	3,815.84	1,121.63	967.88	1,481.19	1.42	-1.39	-0.58	
4,239.00	24.16	43.78	3,898.26	1,149.50	994.55	1,519.75	2.03	-2.03	0.10	
4,330.00	24.38	41.94	3,981.21	1,176.92	1,019.99	1,557.15	0.87	0.24	-2.02	
4,422.00	26.71	41.85	4,064.22	1,206.45	1,046.48	1,596.82	2.53	2.53	-0.10	
4,514.00	27.81	41.41	4,146.00	1,237.95	1,074.47	1,638.95	1.22	1.20	-0.48	
4,606.00	25.22	41.54	4,228.31	1,268.72	1,101.67	1,680.02	2.82	-2.82	0.14	
4,697.00	23.86	42.46	4,311.09	1,296.81	1,126.95	1,717.81	1.55	-1.49	1.01	
4,788.00	26.05	41.23	4,393.59	1,325.42	1,152.55	1,756.20	2.47	2.41	-1.35	
4,880.00	26.80	41.32	4,475.98	1,356.19	1,179.56	1,797.14	0.82	0.82	0.10	
4,972.00	26.80	43.52	4,558.10	1,386.81	1,207.53	1,838.61	1.08	0.00	2.39	

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Site:	Fed 298-13-1 Pad	MD Reference:	RKB @ 30' @ 6697.00ft
Well:	RG 312-18-297	North Reference:	True
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	NN

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
5,064.00	27.77	45.19	4,639.86	1,416.95	1,237.02	1,880.75	1.34	1.05	1.82	
5,155.00	26.10	43.87	4,720.99	1,446.33	1,265.94	1,921.92	1.95	-1.84	-1.45	
5,246.00	25.83	42.73	4,802.80	1,475.32	1,293.26	1,961.75	0.62	-0.30	-1.25	
5,338.00	25.75	42.55	4,885.64	1,504.76	1,320.37	2,001.78	0.12	-0.09	-0.20	
5,430.00	26.93	41.67	4,968.09	1,535.05	1,347.74	2,042.59	1.35	1.28	-0.96	
5,521.00	26.05	44.57	5,049.54	1,564.68	1,375.47	2,083.16	1.72	-0.97	3.19	
5,613.00	26.45	43.96	5,132.05	1,593.82	1,403.87	2,123.82	0.52	0.43	-0.66	
5,705.00	24.38	41.67	5,215.14	1,622.76	1,430.72	2,163.29	2.49	-2.25	-2.49	
5,796.00	22.23	37.81	5,298.72	1,650.39	1,453.76	2,199.25	2.90	-2.36	-4.24	
5,888.00	22.01	39.12	5,383.95	1,677.51	1,475.31	2,233.82	0.59	-0.24	1.42	
5,978.00	20.43	38.24	5,467.84	1,702.94	1,495.67	2,266.34	1.79	-1.76	-0.98	
6,070.00	20.25	37.19	5,554.11	1,728.23	1,515.23	2,298.23	0.44	-0.20	-1.14	
6,162.00	24.08	41.50	5,639.30	1,754.98	1,537.30	2,332.88	4.52	4.16	4.68	
6,253.00	23.68	42.02	5,722.51	1,782.46	1,561.84	2,369.72	0.50	-0.44	0.57	
6,345.00	24.38	44.84	5,806.54	1,809.65	1,587.59	2,407.16	1.46	0.76	3.07	
6,436.00	27.11	50.55	5,888.51	1,836.16	1,616.86	2,446.44	4.05	3.00	6.27	
6,528.00	26.23	53.71	5,970.72	1,861.51	1,649.43	2,487.07	1.81	-0.96	3.43	
6,619.00	24.21	53.27	6,053.04	1,884.57	1,680.60	2,525.06	2.23	-2.22	-0.48	
6,711.00	21.88	55.12	6,137.70	1,905.66	1,709.79	2,560.26	2.65	-2.53	2.01	
6,803.00	21.13	52.75	6,223.29	1,925.50	1,737.05	2,593.24	1.25	-0.82	-2.58	
6,895.00	21.26	48.35	6,309.08	1,946.63	1,762.71	2,626.11	1.73	0.14	-4.78	
6,986.00	19.42	47.65	6,394.40	1,967.78	1,786.22	2,657.56	2.04	-2.02	-0.77	
7,078.00	19.11	45.01	6,481.25	1,988.74	1,808.18	2,687.82	1.00	-0.34	-2.87	
7,169.00	19.24	42.20	6,567.20	2,010.37	1,828.79	2,717.69	1.02	0.14	-3.09	
7,261.00	18.94	41.15	6,654.14	2,032.85	1,848.79	2,747.77	0.50	-0.33	-1.14	
7,354.00	18.01	40.53	6,742.35	2,055.14	1,868.07	2,777.24	1.02	-1.00	-0.67	
7,445.00	16.74	40.00	6,829.19	2,075.87	1,885.63	2,804.40	1.41	-1.40	-0.58	
7,536.00	17.00	38.16	6,916.28	2,096.37	1,902.28	2,830.77	0.65	0.29	-2.02	
7,628.00	16.08	36.84	7,004.47	2,117.14	1,918.23	2,856.88	1.08	-1.00	-1.43	
7,720.00	15.11	37.45	7,093.08	2,136.86	1,933.16	2,881.53	1.07	-1.05	0.66	
7,812.00	13.05	35.08	7,182.32	2,154.88	1,946.42	2,903.79	2.32	-2.24	-2.58	
7,904.00	14.76	34.29	7,271.62	2,173.07	1,958.99	2,925.72	1.87	1.86	-0.86	
7,995.00	14.19	32.18	7,359.73	2,192.08	1,971.46	2,948.20	0.85	-0.63	-2.32	
8,087.00	13.62	31.83	7,449.03	2,210.83	1,983.18	2,969.98	0.63	-0.62	-0.38	
8,179.00	12.56	31.92	7,538.64	2,228.52	1,994.19	2,990.49	1.15	-1.15	0.10	
8,271.00	11.25	31.04	7,628.66	2,244.71	2,004.10	3,009.15	1.44	-1.42	-0.96	
8,363.00	11.38	34.64	7,718.87	2,259.86	2,013.89	3,026.97	0.78	0.14	3.91	
8,455.00	12.08	41.41	7,808.95	2,274.55	2,025.42	3,045.60	1.68	0.76	7.36	
8,547.00	11.55	45.01	7,899.01	2,288.28	2,038.30	3,064.42	0.99	-0.58	3.91	
8,638.00	10.23	45.89	7,988.37	2,300.35	2,050.54	3,081.58	1.46	-1.45	0.97	
8,730.00	9.84	46.24	8,078.96	2,311.47	2,062.09	3,097.57	0.43	-0.42	0.38	
8,822.00	8.61	46.95	8,169.77	2,321.61	2,072.80	3,112.27	1.34	-1.34	0.77	
8,914.00	8.34	45.45	8,260.76	2,330.99	2,082.59	3,125.79	0.38	-0.29	-1.63	

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Site:	Fed 298-13-1 Pad	MD Reference:	RKB @ 30' @ 6697.00ft
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Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	NN

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
9,005.00	7.51	42.55	8,350.89	2,340.00	2,091.31	3,138.33	1.01	-0.91	-3.19	
9,096.00	6.67	43.61	8,441.20	2,348.21	2,098.98	3,149.56	0.93	-0.92	1.16	
9,187.00	5.71	40.09	8,531.66	2,355.50	2,105.54	3,159.36	1.13	-1.05	-3.87	
9,279.00	5.27	40.18	8,623.24	2,362.23	2,111.21	3,168.16	0.48	-0.48	0.10	
9,371.00	4.65	36.57	8,714.90	2,368.45	2,116.16	3,176.10	0.75	-0.67	-3.92	
9,462.00	4.13	36.66	8,805.63	2,374.04	2,120.31	3,183.03	0.57	-0.57	0.10	
9,554.00	3.20	31.65	8,897.44	2,378.89	2,123.64	3,188.86	1.07	-1.01	-5.45	
9,646.00	2.24	23.30	8,989.34	2,382.73	2,125.70	3,193.09	1.13	-1.04	-9.08	
9,736.00	1.58	8.80	9,079.29	2,385.57	2,126.58	3,195.79	0.90	-0.73	-16.11	
9,830.00	1.27	349.55	9,173.26	2,387.87	2,126.59	3,197.51	0.60	-0.33	-20.48	
9,924.00	1.01	303.15	9,267.24	2,389.35	2,125.71	3,198.02	0.99	-0.28	-49.36	
10,018.00	1.09	276.87	9,361.23	2,389.91	2,124.13	3,197.38	0.51	0.09	-27.96	
10,112.00	1.40	250.85	9,455.20	2,389.64	2,122.16	3,195.86	0.68	0.33	-27.68	
10,206.00	1.66	259.91	9,549.17	2,389.02	2,119.73	3,193.78	0.38	0.28	9.64	
10,300.00	2.06	250.06	9,643.12	2,388.21	2,116.80	3,191.22	0.54	0.43	-10.48	
10,394.00	2.32	249.36	9,737.05	2,386.96	2,113.43	3,188.04	0.28	0.28	-0.74	
10,489.00	2.46	248.13	9,831.97	2,385.53	2,109.74	3,184.50	0.16	0.15	-1.29	
10,583.00	2.06	259.91	9,925.90	2,384.48	2,106.21	3,181.36	0.65	-0.43	12.53	
10,677.00	2.54	266.76	10,019.82	2,384.06	2,102.46	3,178.55	0.59	0.51	7.29	
10,772.00	3.38	251.54	10,114.70	2,383.06	2,097.71	3,174.62	1.20	0.88	-16.02	
10,866.00	3.55	262.10	10,208.52	2,381.78	2,092.19	3,169.98	0.70	0.18	11.23	
10,961.00	3.73	259.20	10,303.33	2,380.80	2,086.25	3,165.27	0.27	0.19	-3.05	
11,056.00	3.47	259.03	10,398.15	2,379.67	2,080.39	3,160.52	0.27	-0.27	-0.18	
11,150.00	3.91	254.90	10,491.95	2,378.30	2,074.50	3,155.56	0.55	0.47	-4.39	
11,243.00	3.60	255.86	10,584.75	2,376.76	2,068.61	3,150.48	0.34	-0.33	1.03	
11,261.00	3.69	253.40	10,602.71	2,376.45	2,067.50	3,149.51	1.00	0.50	-13.67	
11,327.00	3.69	253.40	10,668.58	2,375.24	2,063.43	3,145.89	0.00	0.00	0.00	
PTB @ 11327 MD/ 10668.58 TVD										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
RG 312-18-297 VP	0.00	0.00	8,147.00	2,330.03	2,095.33	1,757,151.650	2,205,714.310	39.878225	-108.330442	
- hit/miss target										
- survey misses target center by 27.04ft at 8803.08ft MD (8151.06 TVD, 2319.65 N, 2070.70 E)										
- Circle (radius 75.00)										
RG 312-18-297 BHL	0.00	0.00	10,647.00	2,330.03	2,095.33	1,757,151.650	2,205,714.310	39.878225	-108.330442	
- survey misses target center by 54.89ft at 11304.33ft MD (10645.96 TVD, 2375.66 N, 2064.83 E)										
- Point										

Company:	Terra Energy Partners, LLP	Local Co-ordinate Reference:	Well RG 312-18-297 - Slot RG 312-18-297 B7
Project:	Garfield County, CO (Nad 83)	TVD Reference:	RKB @ 30' @ 6697.00ft
Site:	Fed 298-13-1 Pad	MD Reference:	RKB @ 30' @ 6697.00ft
Well:	RG 312-18-297	North Reference:	True
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	NN

Survey Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
205.00	204.97	2.81	0.26	First Survey @ 205 MD/ 204.97 TVD
11,327.00	10,668.58	2,375.24	2,063.43	PTB @ 11327 MD/ 10668.58 TVD

Checked By: _____ Approved By: _____ Date: _____