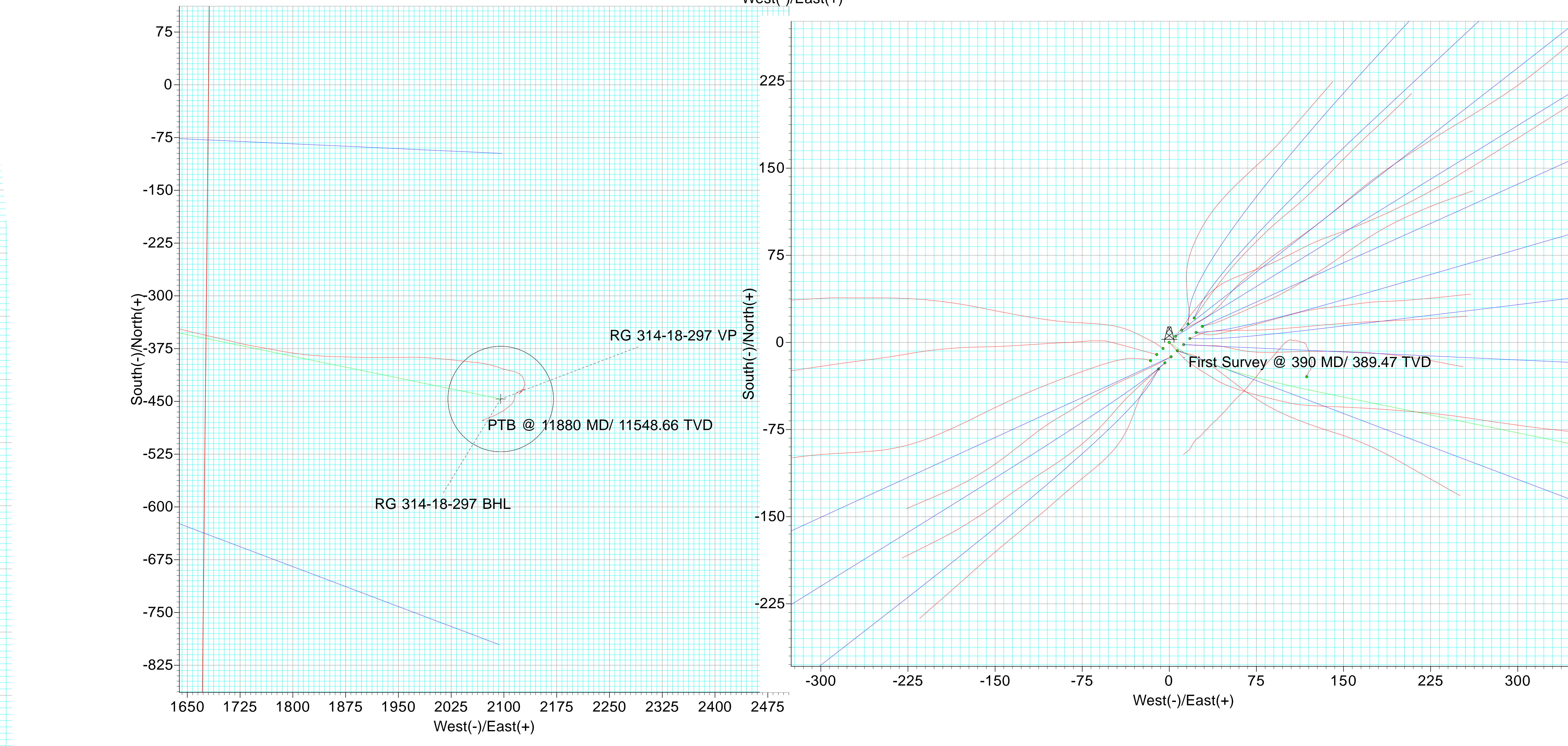
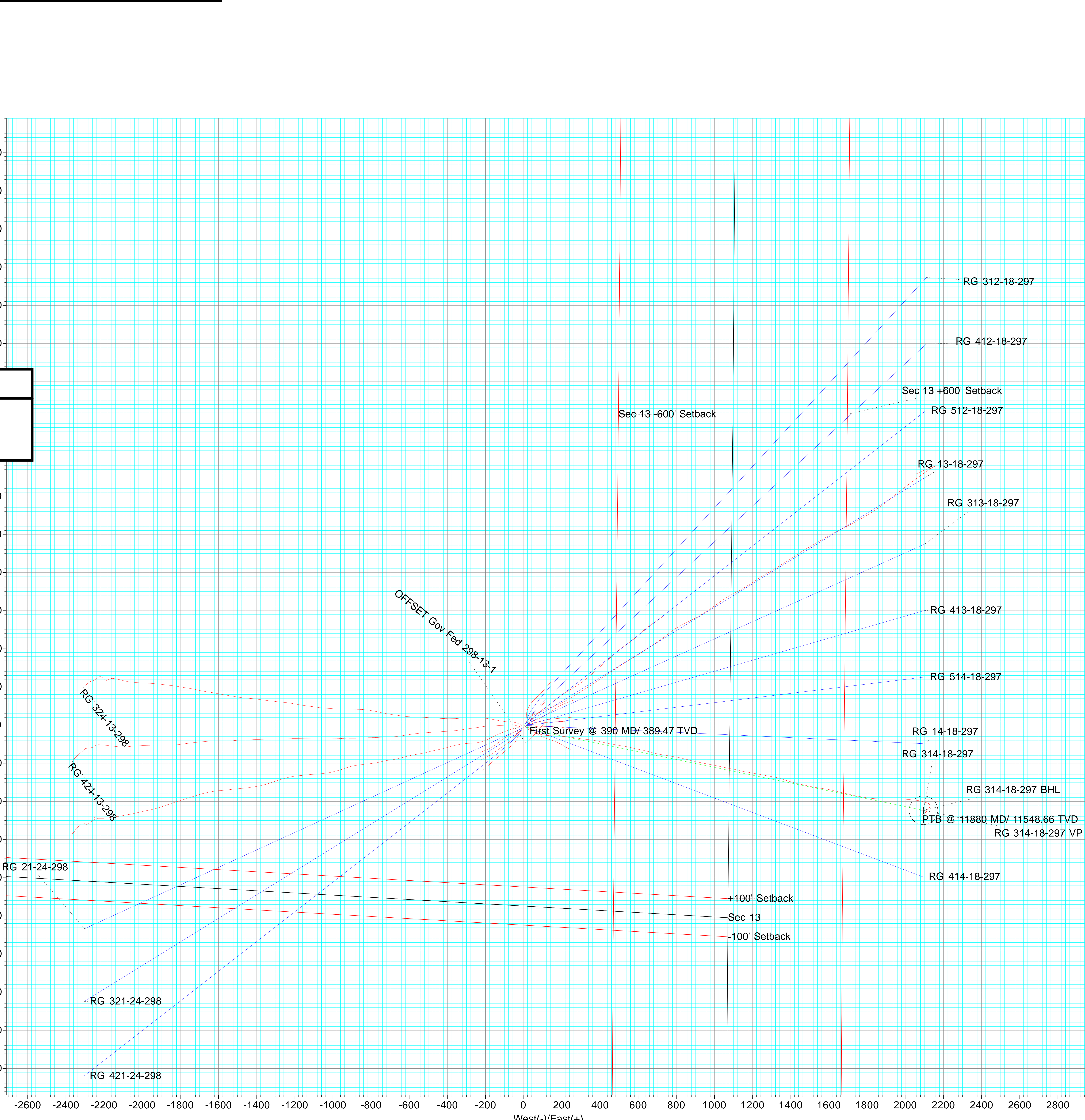


WELL DETAILS: RG 314-18-297							
+N/-S	+E/-W	Northing	Ground Level:	6667.00	Latitude	Longitude	Slot
0.00	0.00	1754873.020	Easting	2203530.650	39.871786	-108.337965	RG 314-18-297 B4

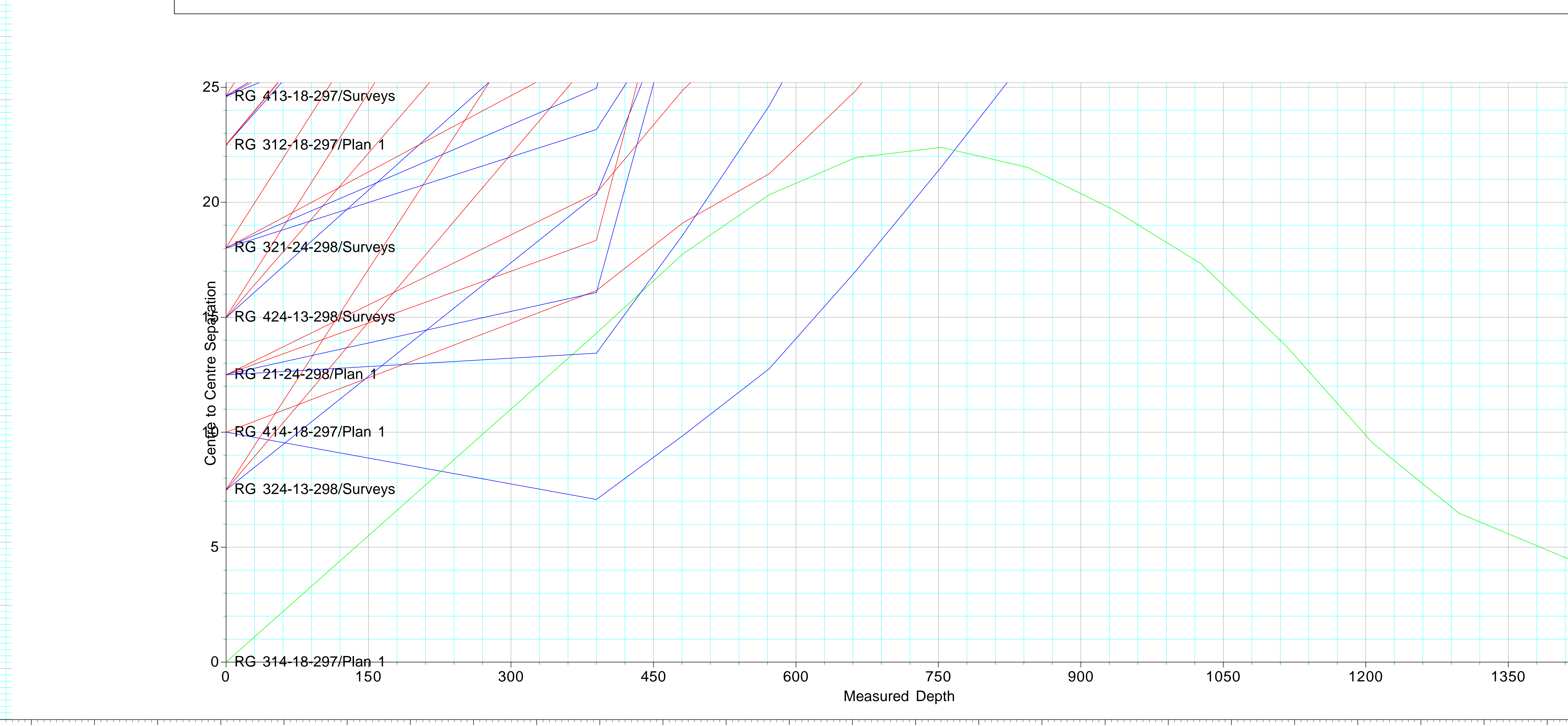
SLOTS				
Slot Name	+N/-S	+E/-W	Northing	Easting
RG 13-18-297 B5	5.23	5.36	1754878.080	2203536.170
RG 14-18-297 A5	-1.93	12.35	1754870.710	2203542.930
RG 21-24-298 A3	-12.41	1.61	1754860.570	2203531.870
RG 312-18-297 B7	15.70	16.10	1754888.210	2203547.230
RG 313-18-297 A8	13.78	28.44	1754885.900	2203559.510
RG 314-18-297 B4	0.00	0.00	1754873.020	2203530.650
RG 321-24-298 A2	-17.64	-3.76	1754855.510	2203526.340
RG 324-13-298 B3	-5.25	-5.37	1754867.940	2203525.120
RG 412-18-297 B8	20.93	21.47	1754893.270	2203552.760
RG 413-18-297 A7	8.54	23.07	1754880.840	2203553.980
RG 414-18-297 A4	-7.17	6.98	1754865.640	2203537.400
RG 421-24-298 A1	-22.88	-9.12	1754850.440	2203520.820
RG 424-13-298 B2	-10.48	-10.74	1754862.880	2203519.590
RG 512-18-297 B6	10.46	10.73	1754883.140	2203541.700
RG 514-18-297 A6	3.30	17.71	1754875.770	2203548.450
RG 524-13-298 B1	-15.72	-16.11	1754857.810	2203514.060

DESIGN TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
VP	7987.00	-446.58	2095.41	1754361.210	2205611.080	39.870560	-108.330500
BHL	1767.00	-446.58	2095.41	1754361.210	2205611.080	39.870560	-108.330500

ANNOTATIONS									
TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Departure	Annotation	
389.47	390.00	5.18	137.56	-13.00	11.89	14.34	17.62	First Survey @ 390 MD/ 389.47 TVD	
11548.66	11880.00	3.95	247.78	-477.06	2069.14	2123.13	2299.46	PTB @ 11880 MD/ 11548.66 TVD	



ANNOTATIONS									
TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Departure	Annotation	
389.47	390.00	5.18	137.56	-13.00	11.89	14.34	17.62	First Survey @ 390 MD/ 389.47 TVD	
11548.66	11880.00	3.95	247.78	-477.06	2069.14	2123.13	2299.46	PTB @ 11880 MD/ 11548.66 TVD	





Terra Energy Partners, LLP

Garfield County, CO (Nad 83)

Fed 298-13-1 Pad

RG 314-18-297 - Slot RG 314-18-297 B4

OWB

Design: Surveys

Standard Survey Report

24 April, 2024



Company:	Terra Energy Partners, LLP	Local Co-ordinate Reference:	Well RG 314-18-297 - Slot RG 314-18-297 B4
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 314-18-297	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 314-18-297 - Slot RG 314-18-297 B4					
Well Position	+N/-S	0.00 ft	Northing:	1,754,873.020 usft	Latitude:	39.871786
	+E/-W	0.00 ft	Easting:	2,203,530.650 usft	Longitude:	-108.337965
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	102.03	

Survey Program	Date	4/13/2024			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
390.00	11,880.00	Surveys (OWB)	OWSG (REV5) MWD HDGM	OWSG MWD - Standard	

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	
390.00	5.18	137.56	389.47	-13.00	11.89	14.34	1.33	1.33	0.00	
First Survey @ 390 MD/ 389.47 TVD										
481.00	6.63	123.24	479.99	-18.91	19.06	22.58	2.26	1.59	-15.74	
572.00	7.64	122.18	570.28	-25.01	28.57	33.16	1.12	1.11	-1.16	
663.00	8.08	122.09	660.43	-31.63	39.11	44.84	0.48	0.48	-0.10	
753.00	9.40	110.93	749.39	-37.62	51.33	58.05	2.38	1.47	-12.40	
844.00	10.10	106.89	839.07	-42.59	65.91	73.34	1.08	0.77	-4.44	
934.00	11.42	104.16	927.49	-47.07	82.10	90.11	1.57	1.47	-3.03	
1,026.00	12.30	103.11	1,017.52	-51.52	100.48	109.01	0.98	0.96	-1.14	
1,117.00	13.62	93.26	1,106.22	-54.33	120.62	129.29	2.82	1.45	-10.82	

Company:	Terra Energy Partners, LLP	Local Co-ordinate Reference:	Well RG 314-18-297 - Slot RG 314-18-297 B4
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 314-18-297	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)	
1,207.00	15.51	92.21	1,193.32	-55.39	143.22	151.62	2.12	2.10	-1.17	
1,298.00	17.31	93.35	1,280.61	-56.65	168.90	177.00	2.01	1.98	1.25	
1,476.00	18.58	95.37	1,449.95	-60.85	223.57	231.34	0.79	0.71	1.13	
1,567.00	18.85	98.45	1,536.14	-64.37	252.55	260.42	1.13	0.30	3.38	
1,658.00	19.51	98.36	1,622.09	-68.74	282.12	290.25	0.73	0.73	-0.10	
1,749.00	20.21	97.40	1,707.67	-72.97	312.74	321.08	0.85	0.77	-1.05	
1,840.00	19.99	95.81	1,793.13	-76.57	343.81	352.21	0.65	-0.24	-1.75	
1,930.00	19.68	101.44	1,877.80	-81.14	373.97	382.66	2.15	-0.34	6.26	
2,021.00	20.21	103.46	1,963.34	-87.84	404.27	413.70	0.96	0.58	2.22	
2,112.00	20.52	101.09	2,048.66	-94.56	435.21	445.36	0.97	0.34	-2.60	
2,202.00	21.44	100.30	2,132.69	-100.54	466.87	477.58	1.07	1.02	-0.88	
2,293.00	19.07	100.38	2,218.06	-106.19	497.87	509.06	2.60	-2.60	0.09	
2,383.00	17.40	98.19	2,303.53	-110.76	525.65	537.19	2.01	-1.86	-2.43	
2,474.00	15.77	103.11	2,390.75	-115.50	551.16	563.13	2.36	-1.79	5.41	
2,564.00	16.61	104.16	2,477.18	-121.42	575.55	588.21	0.99	0.93	1.17	
2,656.00	15.99	100.47	2,565.48	-126.94	600.76	614.02	1.31	-0.67	-4.01	
2,747.00	15.64	102.05	2,653.04	-131.78	625.08	638.82	0.61	-0.38	1.74	
2,839.00	16.83	105.22	2,741.37	-137.87	650.06	664.52	1.61	1.29	3.45	
2,930.00	17.97	104.95	2,828.21	-144.95	676.34	691.69	1.26	1.25	-0.30	
3,021.00	17.05	101.61	2,914.99	-151.25	702.97	719.05	1.50	-1.01	-3.67	
3,049.00	16.43	100.91	2,941.80	-152.83	710.88	727.12	2.33	-2.21	-2.50	
3,155.00	14.63	98.10	3,043.93	-157.55	738.85	755.46	1.84	-1.70	-2.65	
3,246.00	15.55	100.74	3,131.79	-161.44	762.21	779.12	1.26	1.01	2.90	
3,337.00	16.30	98.10	3,219.30	-165.52	786.84	804.06	1.15	0.82	-2.90	
3,429.00	17.22	101.70	3,307.40	-170.10	812.96	830.56	1.51	1.00	3.91	
3,520.00	17.09	104.43	3,394.35	-176.16	839.10	857.39	0.90	-0.14	3.00	
3,611.00	18.94	104.69	3,480.88	-183.24	866.34	885.50	2.03	2.03	0.29	
3,703.00	18.80	102.58	3,567.94	-190.25	895.25	915.24	0.76	-0.15	-2.29	
3,795.00	22.01	101.09	3,654.16	-196.80	926.64	947.31	3.53	3.49	-1.62	
3,886.00	21.31	100.65	3,738.73	-203.14	959.63	980.89	0.79	-0.77	-0.48	
3,977.00	18.89	100.12	3,824.18	-208.78	990.38	1,012.15	2.67	-2.66	-0.58	
4,069.00	18.28	103.20	3,911.39	-214.69	1,019.09	1,041.46	1.26	-0.66	3.35	
4,161.00	19.42	102.41	3,998.45	-221.27	1,048.08	1,071.18	1.27	1.24	-0.86	
4,252.00	19.42	100.38	4,084.27	-227.25	1,077.73	1,101.43	0.74	0.00	-2.23	
4,344.00	17.18	100.47	4,171.62	-232.48	1,106.14	1,130.30	2.43	-2.43	0.10	
4,435.00	18.14	105.48	4,258.33	-238.70	1,133.01	1,157.88	1.97	1.05	5.51	
4,527.00	20.61	99.07	4,345.12	-245.08	1,162.81	1,188.36	3.54	2.68	-6.97	
4,619.00	20.78	100.91	4,431.19	-250.72	1,194.83	1,220.84	0.73	0.18	2.00	
4,710.00	21.31	100.12	4,516.12	-256.68	1,226.96	1,253.51	0.66	0.58	-0.87	
4,801.00	19.95	100.74	4,601.28	-262.48	1,258.49	1,285.56	1.51	-1.49	0.68	
4,893.00	18.80	100.38	4,688.07	-268.07	1,288.49	1,316.07	1.26	-1.25	-0.39	
4,984.00	16.87	99.50	4,774.69	-272.90	1,315.94	1,343.92	2.14	-2.12	-0.97	
5,076.00	17.97	107.59	4,862.48	-279.39	1,342.64	1,371.39	2.89	1.20	8.79	

Company:	Terra Energy Partners, LLP	Local Co-ordinate Reference:	Well RG 314-18-297 - Slot RG 314-18-297 B4
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 314-18-297	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)	
5,168.00	16.65	108.12	4,950.32	-287.78	1,368.70	1,398.62	1.44	-1.43	0.58	
5,260.00	19.51	105.22	5,037.77	-295.91	1,396.05	1,427.07	3.26	3.11	-3.15	
5,352.00	16.91	107.08	5,125.15	-303.88	1,423.67	1,455.74	2.90	-2.83	2.02	
5,443.00	16.83	99.50	5,212.25	-309.94	1,449.32	1,482.09	2.42	-0.09	-8.33	
5,535.00	16.04	103.81	5,300.49	-315.17	1,474.80	1,508.10	1.58	-0.86	4.68	
5,625.00	16.74	101.79	5,386.83	-320.79	1,499.56	1,533.49	1.00	0.78	-2.24	
5,716.00	17.97	100.12	5,473.69	-325.93	1,526.21	1,560.63	1.46	1.35	-1.84	
5,808.00	18.54	99.24	5,561.06	-330.77	1,554.62	1,589.42	0.69	0.62	-0.96	
5,900.00	16.12	97.57	5,648.88	-334.81	1,581.72	1,616.77	2.69	-2.63	-1.82	
5,992.00	17.49	102.94	5,736.95	-339.58	1,607.86	1,643.32	2.25	1.49	5.84	
6,083.00	19.11	104.16	5,823.35	-346.29	1,635.63	1,671.88	1.83	1.78	1.34	
6,174.00	17.71	103.20	5,909.69	-353.10	1,663.55	1,700.61	1.57	-1.54	-1.05	
6,266.00	18.67	102.58	5,997.09	-359.50	1,691.55	1,729.33	1.06	1.04	-0.67	
6,358.00	16.91	104.25	6,084.69	-366.00	1,718.89	1,757.42	1.99	-1.91	1.82	
6,449.00	17.66	99.94	6,171.58	-371.64	1,745.31	1,784.44	1.63	0.82	-4.74	
6,542.00	16.78	100.74	6,260.41	-376.58	1,772.40	1,811.96	0.98	-0.95	0.86	
6,633.00	18.06	98.63	6,347.24	-381.14	1,799.25	1,839.18	1.57	1.41	-2.32	
6,724.00	18.72	95.11	6,433.59	-384.56	1,827.74	1,867.76	1.42	0.73	-3.87	
6,816.00	19.51	91.59	6,520.52	-386.30	1,857.81	1,897.52	1.52	0.86	-3.83	
6,908.00	17.53	91.77	6,607.75	-387.16	1,887.01	1,926.27	2.15	-2.15	0.20	
7,000.00	18.58	89.84	6,695.22	-387.54	1,915.52	1,954.23	1.31	1.14	-2.10	
7,092.00	17.66	89.66	6,782.66	-387.42	1,944.13	1,982.18	1.00	-1.00	-0.20	
7,182.00	16.91	89.66	6,868.59	-387.26	1,970.87	2,008.30	0.83	-0.83	0.00	
7,274.00	15.60	95.11	6,956.92	-388.28	1,996.58	2,033.66	2.18	-1.42	5.92	
7,366.00	13.97	95.11	7,045.87	-390.37	2,019.96	2,056.96	1.77	-1.77	0.00	
7,457.00	13.00	96.87	7,134.36	-392.58	2,041.06	2,078.06	1.16	-1.07	1.93	
7,548.00	11.65	95.73	7,223.26	-394.72	2,060.37	2,097.39	1.51	-1.48	-1.25	
7,640.00	9.71	102.41	7,313.67	-397.31	2,077.19	2,114.38	2.50	-2.11	7.26	
7,732.00	7.82	109.44	7,404.59	-401.06	2,090.67	2,128.35	2.36	-2.05	7.64	
7,823.00	6.10	106.98	7,494.92	-404.54	2,101.13	2,139.31	1.92	-1.89	-2.70	
7,914.00	4.39	97.75	7,585.53	-406.42	2,109.21	2,147.60	2.09	-1.88	-10.14	
8,006.00	3.09	109.26	7,677.34	-407.71	2,115.04	2,153.57	1.62	-1.41	12.51	
8,096.00	2.54	114.80	7,767.23	-409.35	2,119.14	2,157.92	0.68	-0.61	6.16	
8,187.00	2.19	124.64	7,858.15	-411.18	2,122.40	2,161.49	0.59	-0.38	10.81	
8,278.00	1.71	136.33	7,949.10	-413.15	2,124.77	2,164.22	0.68	-0.53	12.85	
8,370.00	1.58	152.15	8,041.06	-415.27	2,126.31	2,166.16	0.51	-0.14	17.20	
8,462.00	1.62	154.32	8,133.02	-417.56	2,127.47	2,167.77	0.08	0.04	2.36	
8,553.00	1.36	164.30	8,223.99	-419.76	2,128.32	2,169.06	0.40	-0.29	10.97	
8,645.00	1.31	168.59	8,315.97	-421.84	2,128.82	2,169.99	0.12	-0.05	4.66	
8,737.00	1.23	165.07	8,407.95	-423.83	2,129.28	2,170.86	0.12	-0.09	-3.83	
8,829.00	1.14	175.00	8,499.93	-425.69	2,129.62	2,171.57	0.24	-0.10	10.79	
8,921.00	0.96	193.64	8,591.91	-427.35	2,129.51	2,171.82	0.42	-0.20	20.26	
9,013.00	1.14	209.46	8,683.90	-428.90	2,128.88	2,171.52	0.37	0.20	17.20	

Company:	Terra Energy Partners, LLP	Local Co-ordinate Reference:	Well RG 314-18-297 - Slot RG 314-18-297 B4
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 314-18-297	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)	
9,105.00	1.62	209.81	8,775.87	-430.82	2,127.79	2,170.85	0.52	0.52	0.38	
9,197.00	1.84	203.74	8,867.83	-433.30	2,126.54	2,170.15	0.31	0.24	-6.60	
9,288.00	1.97	222.55	8,958.78	-435.79	2,124.90	2,169.06	0.70	0.14	20.67	
9,380.00	2.37	230.02	9,050.71	-438.18	2,122.37	2,167.09	0.53	0.43	8.12	
9,471.00	0.43	73.84	9,141.69	-439.29	2,121.26	2,166.23	3.04	-2.13	-171.63	
9,563.00	2.81	49.14	9,233.65	-437.72	2,123.30	2,167.90	2.64	2.59	-26.85	
9,654.00	1.97	43.17	9,324.57	-435.12	2,126.05	2,170.05	0.96	-0.92	-6.56	
9,746.00	1.01	59.60	9,416.53	-433.56	2,127.83	2,171.47	1.13	-1.04	17.86	
9,836.00	0.61	46.59	9,506.53	-432.83	2,128.87	2,172.32	0.49	-0.44	-14.46	
9,927.00	0.30	42.46	9,597.52	-432.32	2,129.38	2,172.72	0.34	-0.34	-4.54	
10,019.00	0.48	253.31	9,689.52	-432.25	2,129.17	2,172.50	0.82	0.20	-162.12	
10,110.00	1.09	254.98	9,780.51	-432.59	2,127.97	2,171.40	0.67	0.67	1.84	
10,202.00	1.80	244.35	9,872.48	-433.44	2,125.82	2,169.48	0.82	0.77	-11.55	
10,293.00	2.81	241.18	9,963.41	-435.13	2,122.58	2,166.66	1.12	1.11	-3.48	
10,385.00	3.25	238.99	10,055.28	-437.56	2,118.37	2,163.05	0.49	0.48	-2.38	
10,476.00	1.58	191.09	10,146.20	-440.12	2,115.92	2,161.18	2.73	-1.84	-52.64	
10,568.00	1.62	181.42	10,238.17	-442.67	2,115.64	2,161.44	0.30	0.04	-10.51	
10,660.00	1.80	195.66	10,330.13	-445.36	2,115.22	2,161.59	0.50	0.20	15.48	
10,751.00	1.71	198.65	10,421.08	-448.02	2,114.40	2,161.34	0.14	-0.10	3.29	
10,845.00	1.80	211.21	10,515.04	-450.61	2,113.19	2,160.70	0.42	0.10	13.36	
10,940.00	1.80	216.66	10,609.99	-453.09	2,111.52	2,159.58	0.18	0.00	5.74	
11,034.00	2.37	227.47	10,703.93	-455.59	2,109.21	2,157.84	0.73	0.61	11.50	
11,128.00	2.90	233.01	10,797.83	-458.33	2,105.88	2,155.16	0.62	0.56	5.89	
11,222.00	2.63	232.40	10,891.72	-461.08	2,102.27	2,152.20	0.29	-0.29	-0.65	
11,316.00	2.76	237.49	10,985.62	-463.61	2,098.65	2,149.19	0.29	0.14	5.41	
11,410.00	2.54	241.27	11,079.52	-465.83	2,094.92	2,146.00	0.30	-0.23	4.02	
11,504.00	2.90	244.88	11,173.41	-467.84	2,090.94	2,142.53	0.42	0.38	3.84	
11,598.00	3.33	244.52	11,267.27	-470.02	2,086.32	2,138.46	0.46	0.46	-0.38	
11,693.00	3.77	248.83	11,362.09	-472.34	2,080.92	2,133.66	0.54	0.46	4.54	
11,787.00	3.91	248.04	11,455.88	-474.65	2,075.06	2,128.42	0.16	0.15	-0.84	
11,818.00	3.95	247.78	11,486.81	-475.45	2,073.09	2,126.66	0.14	0.13	-0.84	
11,880.00	3.95	247.78	11,548.66	-477.06	2,069.14	2,123.13	0.00	0.00	0.00	
PTB @ 11880 MD/ 11548.66 TVD										

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
390.00	389.47	-13.00	11.89	First Survey @ 390 MD/ 389.47 TVD	
11,880.00	11,548.66	-477.06	2,069.14	PTB @ 11880 MD/ 11548.66 TVD	

Checked By: _____ Approved By: _____ Date: _____