

Sec 18, T2S, R97W
 RG 541-18-297
 Q210078 & RM-210070
 Plan 1

PROJECT DETAILS: Rio Blanco County, CO

Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: Colorado Central Zone
 System Datum: Mean Sea Level



Company Name: Terra Energy Partners, LLP
 RG 541-18-297
 Rio Blanco County, CO
 Rig: KB=30' @ 6650.90usft (H&P #329)
 Created by: Chase Chambers
 Date: 1:31, May 20 2021

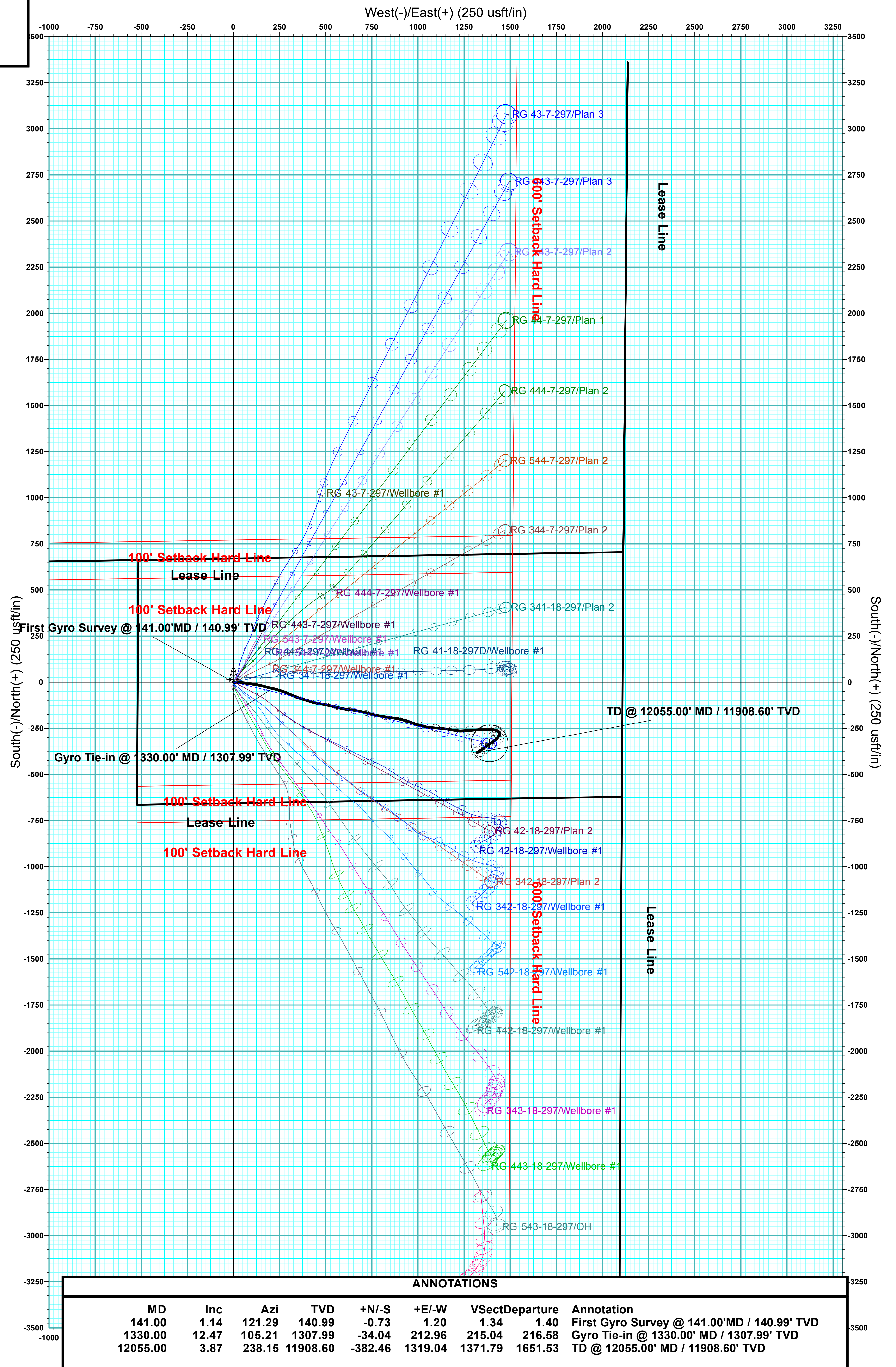
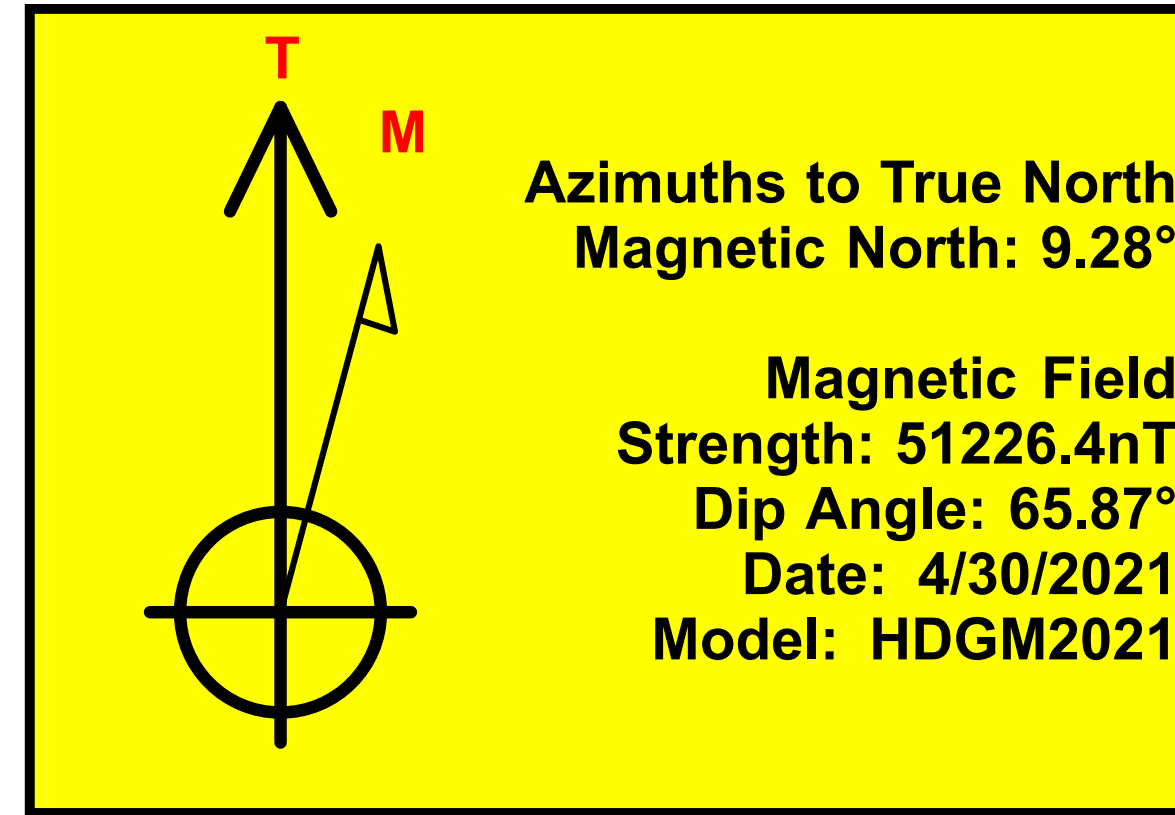
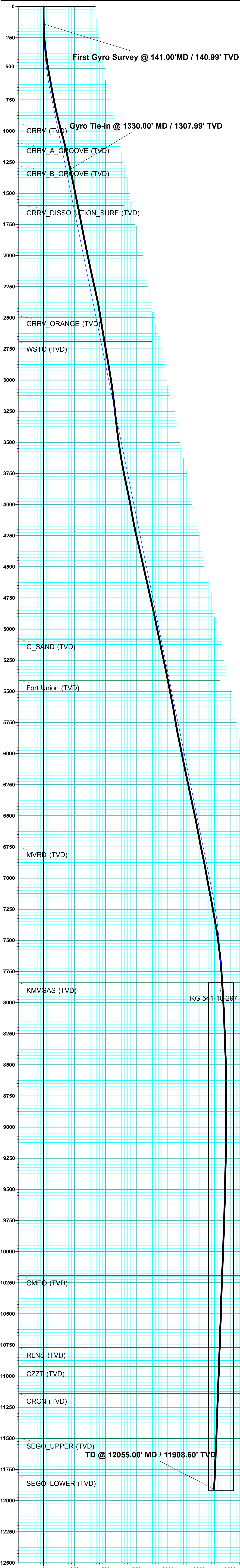
WELL DETAILS: RG 541-18-297

Ground Elevation: 6620.90

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	1758380.50	2207911.00	39.881784	-108.322755

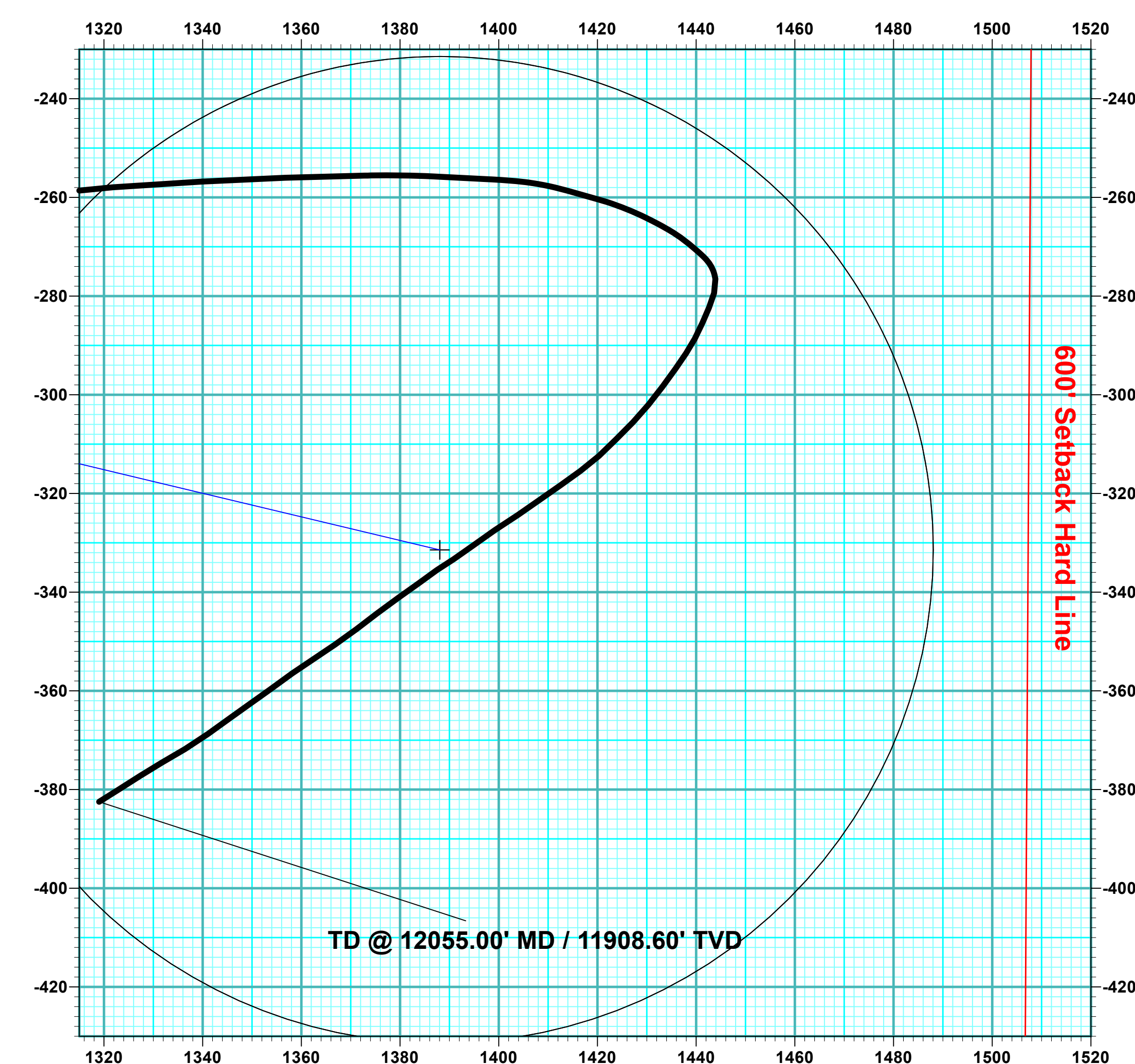
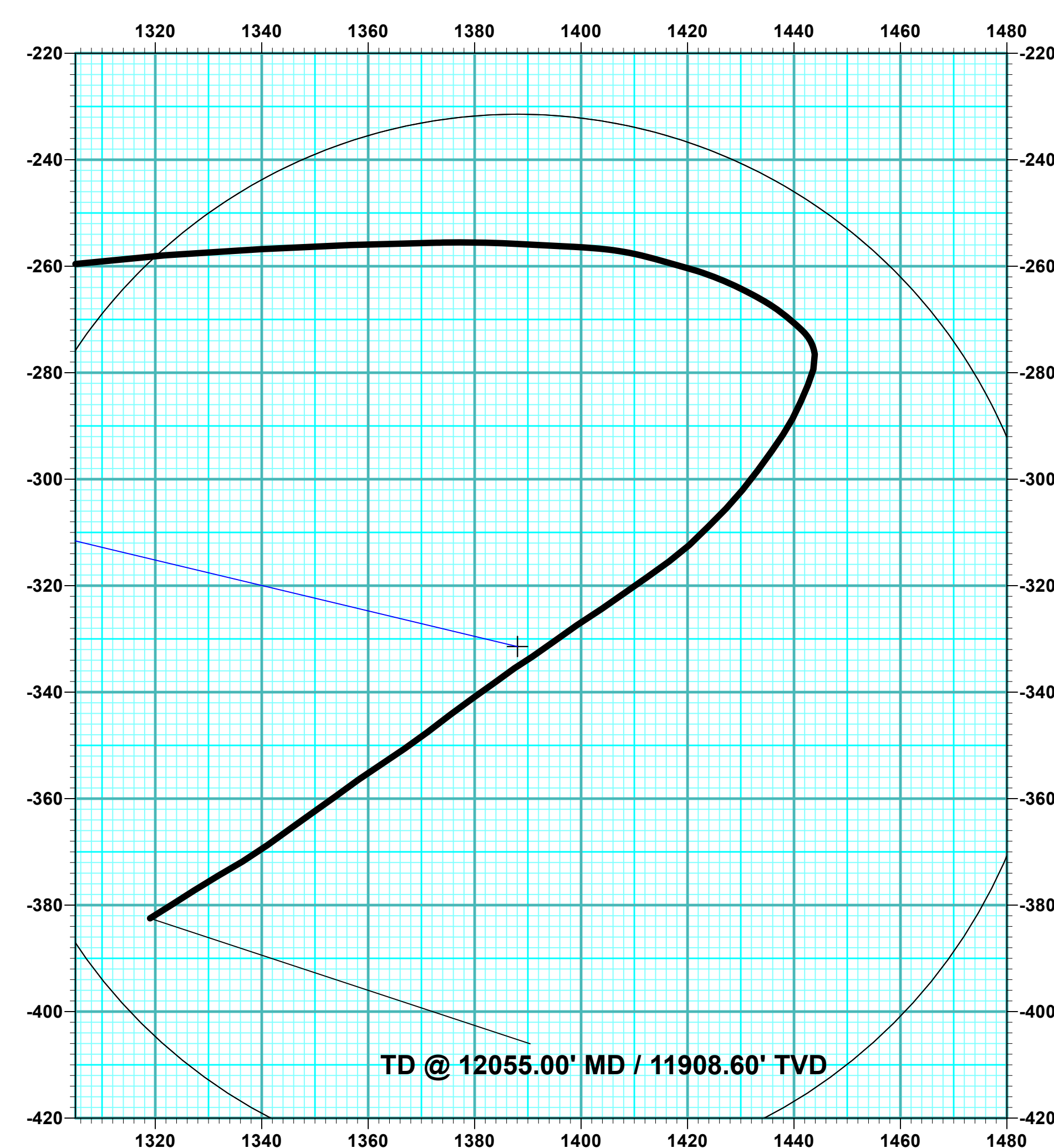
DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
RG 541-18-297 - VP	7841.00	-331.44	1388.07	1758006.10	2209288.10	39.880874	-108.317810
RG 541-18-297 - PBHL	11921.00	-331.44	1388.07	1758006.10	2209288.10	39.880874	-108.317810



ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSectDeparture	Annotation
141.00	1.14	121.29	140.99	-0.73	1.20	1.34	1.40
1330.00	12.47	105.21	1307.99	-34.04	212.96	215.04	216.58
12055.00	3.87	238.15	11908.60	-382.46	1319.04	1371.79	1651.53



DESIGN ANNOTATIONS

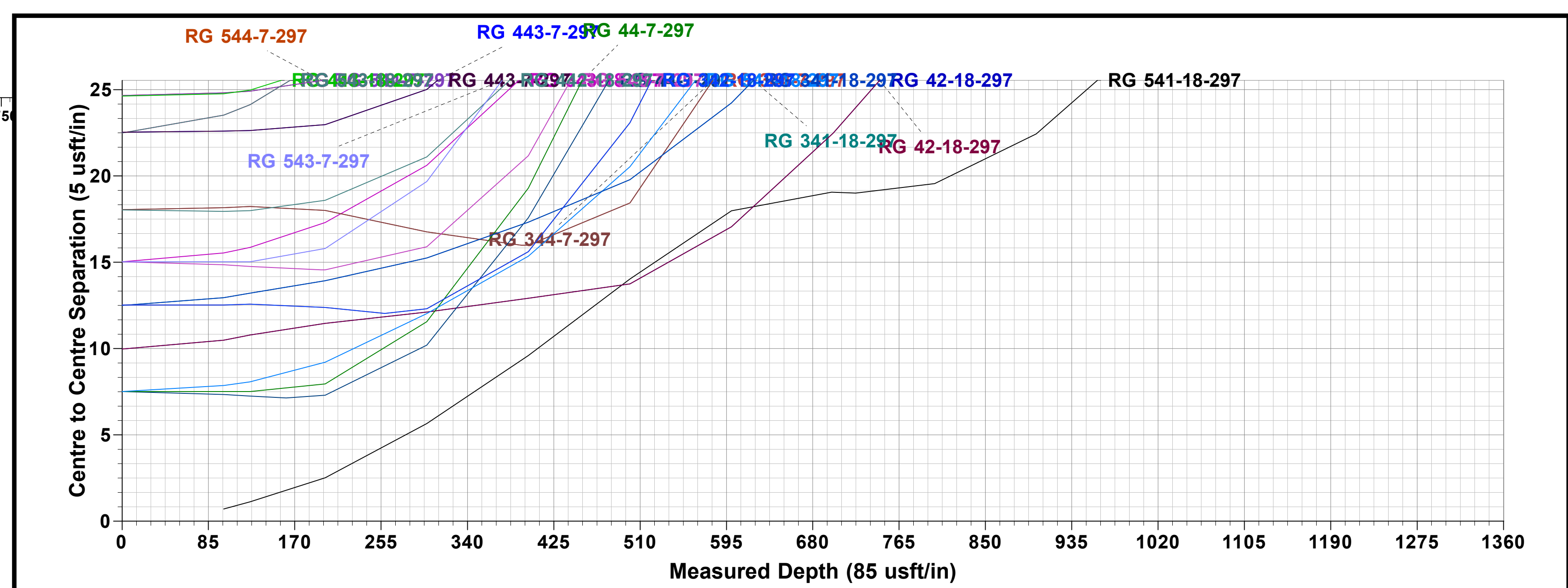
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSectDeparture	Annotation
126.00	0.00	0.00	126.00	0.00	0.00	0.00	0.00
698.59	11.45	103.43	694.78	-13.25	55.47	57.03	57.03
7216.18	11.45	103.43	7082.63	-313.78	1314.10	1351.05	1351.05
7979.63	0.00	0.00	7841.00	-331.44	1388.07	1427.09	1427.09
12059.63	0.00	0.00	11921.00	-331.44	1388.07	1427.09	1427.09

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
936.00	944.70	GRRV (TVD)
1096.00	1107.95	GRRV_A_GROOVE (TVD)
1281.00	1296.71	GRRV_B_GROOVE (TVD)
1596.00	1618.11	GRRV DISSOLUTION_SURF (TVD)
2486.00	2526.19	GRRV_ORANGE (TVD)
2691.00	2735.35	WSTC (TVD)
5081.00	5173.90	G_SAND (TVD)
5411.00	5510.60	Fort Union (TVD)
6761.00	6877.82	MVRD (TVD)
7841.00	7979.63	KMGAS (TVD)
10191.00	10329.63	CMEQ (TVD)
10771.00	10909.63	RLNS (TVD)
10921.00	11059.63	CZZT (TVD)
11141.00	11279.63	CRCN (TVD)
11501.00	11639.63	SEGO_UPPER (TVD)
11801.00	11939.63	SEGO_LOWER (TVD)

SLOTS

Slot Name	+N/-S	+E/-W	Northing	Easting
(A1) RG 443-18	-24.63	-0.44	1758355.90	2207909.80
(A2) RG 442-18	-17.82	2.76	1758362.60	2207913.20
(A3) RG 342-18	-11.02	5.95	1758369.30	2207916.60
(A4) RG 42-18	-4.22	9.04	1758376.00	2207919.90
(A5) RG 341-18	2.58	12.23	1758382.70	2207923.30
(A6) RG 344-7	9.38	15.42	1758389.40	2207926.70
(A7) RG 544-7	16.19	18.61	1758396.10	2207930.10
(A8) RG 444-7	22.99	21.80	1758402.80	2207933.50
(A9) RG 41-18	30.41	27.36	1758410.05	2207936.90
(B1) RG 543-18	-20.40	-9.47	1758360.40	2207900.90
(B2) RG 343-18	-13.60	-6.38	1758367.10	2207904.20
(B3) RG 542-18	-6.80	-3.19	1758373.80	2207907.60
(B4) RG 541-18	0.00	0.00	1758380.50	2207911.00
(B5) RG 44-7	6.80	3.19	1758387.20	2207914.40
(B6) RG 543-7	13.60	6.38	1758393.90	2207917.80
(B7) RG 443-7	20.41	9.57	1758400.60	2207921.20
(B8) RG 43-7	27.27	12.73	1758407.36	2207924.57



Vertical Section at 103.43° (250 usft/in)



Terra Energy Partners, LLP

Rio Blanco County, CO

Sec 18, T2S, R97W

RG 541-18-297

Wellbore #1

Design: Wellbore #1

KLX Survey Report

20 May, 2021



Company:	Terra Energy Partners, LLP	Local Co-ordinate Reference:	Well RG 541-18-297
Project:	Rio Blanco County, CO	TVD Reference:	KB=30' @ 6650.90usft (H&P #329)
Site:	Sec 18, T2S, R97W	MD Reference:	KB=30' @ 6650.90usft (H&P #329)
Well:	RG 541-18-297	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Project	Rio Blanco County, CO		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Central Zone		

Site	Sec 18, T2S, R97W				
Site Position:		Northing:	1,758,376.00 usft	Latitude:	39.881773
From:	Map	Easting:	2,207,919.90 usft	Longitude:	-108.322723
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	-1.78 °

Well	RG 541-18-297					
Well Position	+N/-S	0.00 usft	Northing:	1,758,380.50 usft	Latitude:	39.881784
	+E/-W	0.00 usft	Easting:	2,207,911.00 usft	Longitude:	-108.322756
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	6,620.90 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2021	4/30/2021	9.28	65.87	51,226.40000000

Design	Wellbore #1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	103.43	

Survey Program	Date	5/20/2021			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
141.00	1,330.00	Survey #1 (Wellbore #1)	GYRO-NS	OWSG Gyrocompass Gyro	
1,528.00	12,055.00	KLX MWD Surveys (Wellbore #1)	OWSG (REV5) MWD HDGM	OWSG MWD - Standard	

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	0.00
First Gyro Survey @ 141.00'MD / 140.99' TVD										
141.00	1.14	121.29	140.99	-0.73	1.20	1.34	0.81	0.81	0.00	
232.00	3.96	99.14	231.89	-1.70	5.08	5.33	3.23	3.10	-24.34	
326.00	6.25	90.70	325.52	-2.28	13.40	13.56	2.56	2.44	-8.98	
419.00	7.92	88.86	417.80	-2.21	24.87	24.70	1.81	1.80	-1.98	
513.00	10.21	93.78	510.62	-2.63	39.66	39.18	2.57	2.44	5.23	
606.00	10.56	95.89	602.10	-4.05	56.36	55.76	0.56	0.38	2.27	
700.00	10.29	96.42	694.55	-5.87	73.27	72.63	0.30	-0.29	0.56	
793.00	11.70	99.23	785.84	-8.31	90.83	90.28	1.62	1.52	3.02	

Company:	Terra Energy Partners, LLP	Local Co-ordinate Reference:	Well RG 541-18-297
Project:	Rio Blanco County, CO	TVD Reference:	KB=30' @ 6650.90usft (H&P #329)
Site:	Sec 18, T2S, R97W	MD Reference:	KB=30' @ 6650.90usft (H&P #329)
Well:	RG 541-18-297	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

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)	
887.00	13.55	98.44	877.56	-11.46	111.13	110.76	1.98	1.97	-0.84	
960.00	14.70	98.66	948.35	-14.11	128.75	128.51	1.58	1.58	0.30	
1,054.00	15.36	105.07	1,039.14	-19.14	152.56	152.84	1.90	0.70	6.82	
1,148.00	13.44	105.00	1,130.19	-25.21	175.14	176.20	2.04	-2.04	-0.07	
1,242.00	11.69	101.00	1,221.93	-29.85	195.04	196.64	2.08	-1.86	-4.26	
Gyro Tie-in @ 1330.00' MD / 1307.99' TVD										
1,330.00	12.47	105.21	1,307.99	-34.04	212.96	215.04	1.34	0.89	4.78	
1,528.00	11.12	106.40	1,501.80	-45.04	251.91	255.48	0.69	-0.68	0.60	
1,622.00	12.08	108.33	1,593.88	-50.70	269.94	274.33	1.10	1.02	2.05	
1,716.00	10.85	112.38	1,686.00	-57.16	287.46	292.87	1.56	-1.31	4.31	
1,810.00	11.07	116.42	1,778.29	-64.54	303.72	310.41	0.85	0.23	4.30	
1,904.00	11.56	112.46	1,870.47	-72.16	320.51	328.50	0.98	0.52	-4.21	
1,998.00	12.00	112.11	1,962.49	-79.43	338.27	347.47	0.47	0.47	-0.37	
2,093.00	11.91	108.60	2,055.43	-86.28	356.71	366.99	0.77	-0.09	-3.69	
2,187.00	12.22	106.31	2,147.35	-92.17	375.45	386.59	0.61	0.33	-2.44	
2,281.00	12.61	106.84	2,239.15	-97.93	394.82	406.77	0.43	0.41	0.56	
2,375.00	12.70	107.10	2,330.87	-103.94	414.51	427.32	0.11	0.10	0.28	
2,470.00	9.71	105.26	2,424.05	-109.12	432.23	445.75	3.17	-3.15	-1.94	
2,564.00	9.05	101.74	2,516.79	-112.71	447.11	461.07	0.93	-0.70	-3.74	
2,658.00	9.45	100.16	2,609.57	-115.58	461.95	476.16	0.50	0.43	-1.68	
2,752.00	9.89	99.81	2,702.23	-118.32	477.50	491.92	0.47	0.47	-0.37	
2,847.00	9.80	100.77	2,795.83	-121.22	493.48	508.14	0.20	-0.09	1.01	
2,942.00	9.71	100.95	2,889.46	-124.25	509.29	524.22	0.10	-0.09	0.19	
3,036.00	9.23	102.36	2,982.18	-127.37	524.43	539.68	0.57	-0.51	1.50	
3,130.00	7.47	105.17	3,075.18	-130.58	537.70	553.32	1.92	-1.87	2.99	
3,179.00	6.94	105.08	3,123.79	-132.19	543.63	559.46	1.08	-1.08	-0.18	
3,246.00	7.08	102.71	3,190.29	-134.15	551.57	567.64	0.48	0.21	-3.54	
3,340.00	5.58	103.24	3,283.72	-136.47	561.67	578.00	1.60	-1.60	0.56	
3,435.00	7.38	103.41	3,378.10	-138.94	572.10	588.72	1.89	1.89	0.18	
3,529.00	7.38	101.92	3,471.33	-141.59	583.88	600.80	0.20	0.00	-1.59	
3,623.00	8.57	100.16	3,564.42	-144.07	596.68	613.82	1.29	1.27	-1.87	
3,718.00	10.46	99.02	3,658.10	-146.67	612.16	629.49	2.00	1.99	-1.20	
3,812.00	11.21	97.96	3,750.43	-149.27	629.64	647.09	0.83	0.80	-1.13	
3,906.00	11.82	97.61	3,842.54	-151.81	648.23	665.77	0.65	0.65	-0.37	
4,000.00	11.91	100.42	3,934.53	-154.84	667.32	685.03	0.62	0.10	2.99	
4,095.00	9.80	100.07	4,027.82	-158.03	684.92	702.89	2.22	-2.22	-0.37	
4,189.00	10.55	104.82	4,120.35	-161.63	701.12	719.48	1.20	0.80	5.05	
4,283.00	12.22	104.11	4,212.49	-166.26	719.08	738.03	1.78	1.78	-0.76	
4,378.00	13.32	105.61	4,305.14	-171.65	739.38	759.02	1.21	1.16	1.58	
4,472.00	13.01	103.24	4,396.67	-176.99	760.10	780.43	0.66	-0.33	-2.52	
4,566.00	12.52	100.25	4,488.35	-181.23	780.43	801.18	0.87	-0.52	-3.18	
4,660.00	13.23	98.58	4,579.99	-184.65	801.09	822.07	0.85	0.76	-1.78	
4,755.00	12.39	98.31	4,672.62	-187.74	821.93	843.05	0.89	-0.88	-0.28	

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Well:	RG 541-18-297	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

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)	
4,849.00	12.88	97.35	4,764.34	-190.54	842.30	863.52	0.57	0.52	-1.02	
4,943.00	12.17	99.02	4,856.11	-193.43	862.47	883.81	0.85	-0.76	1.78	
5,037.00	11.34	98.84	4,948.13	-196.41	881.39	902.91	0.88	-0.88	-0.19	
5,131.00	12.17	104.11	5,040.17	-200.24	900.13	922.03	1.44	0.88	5.61	
5,225.00	11.21	103.59	5,132.21	-204.80	918.62	941.07	1.03	-1.02	-0.55	
5,319.00	12.52	107.63	5,224.21	-210.04	937.22	960.37	1.65	1.39	4.30	
5,414.00	12.00	109.39	5,317.04	-216.43	956.35	980.46	0.67	-0.55	1.85	
5,508.00	11.21	109.30	5,409.12	-222.70	974.19	999.27	0.84	-0.84	-0.10	
5,602.00	10.68	108.24	5,501.41	-228.44	991.08	1,017.04	0.60	-0.56	-1.13	
5,696.00	11.56	103.24	5,593.64	-233.33	1,008.52	1,035.14	1.39	0.94	-5.32	
5,790.00	9.14	107.37	5,686.11	-237.72	1,024.82	1,052.01	2.69	-2.57	4.39	
5,885.00	9.80	101.92	5,779.81	-241.64	1,039.93	1,067.62	1.17	0.69	-5.74	
5,979.00	12.35	96.46	5,872.06	-244.42	1,057.75	1,085.60	2.93	2.71	-5.81	
6,073.00	10.99	96.56	5,964.11	-246.58	1,076.64	1,104.47	1.45	-1.45	0.11	
6,167.00	12.00	94.70	6,056.23	-248.40	1,095.28	1,123.03	1.14	1.07	-1.98	
6,261.00	11.60	94.01	6,148.24	-249.86	1,114.45	1,142.01	0.45	-0.43	-0.73	
6,356.00	12.48	96.03	6,241.15	-251.61	1,134.19	1,161.61	1.03	0.93	2.13	
6,450.00	11.65	96.38	6,333.07	-253.73	1,153.72	1,181.10	0.89	-0.88	0.37	
6,544.00	12.44	100.07	6,425.00	-256.56	1,173.12	1,200.63	1.17	0.84	3.93	
6,638.00	11.95	99.46	6,516.88	-259.93	1,192.69	1,220.44	0.54	-0.52	-0.65	
6,732.00	10.51	100.51	6,609.08	-263.09	1,210.72	1,238.72	1.55	-1.53	1.12	
6,826.00	10.77	92.60	6,701.47	-265.05	1,227.92	1,255.90	1.58	0.28	-8.41	
6,920.00	12.79	84.07	6,793.49	-264.37	1,247.05	1,274.35	2.83	2.15	-9.07	
7,015.00	12.04	85.22	6,886.27	-262.46	1,267.38	1,293.68	0.83	-0.79	1.21	
7,109.00	10.20	87.15	6,978.50	-261.23	1,285.47	1,310.99	2.00	-1.96	2.05	
7,203.00	11.65	83.37	7,070.80	-259.72	1,303.21	1,327.89	1.72	1.54	-4.02	
7,297.00	11.29	85.74	7,162.92	-257.94	1,321.81	1,345.58	0.63	-0.38	2.52	
7,391.00	10.81	86.89	7,255.18	-256.78	1,339.79	1,362.79	0.56	-0.51	1.22	
7,485.00	10.06	87.94	7,347.62	-256.01	1,356.80	1,379.15	0.82	-0.80	1.12	
7,579.00	9.58	89.00	7,440.24	-255.58	1,372.82	1,394.64	0.55	-0.51	1.13	
7,674.00	7.29	92.95	7,534.21	-255.75	1,386.75	1,408.23	2.49	-2.41	4.16	
7,768.00	6.64	92.86	7,627.52	-256.33	1,398.13	1,419.43	0.69	-0.69	-0.10	
7,862.00	4.13	98.66	7,721.10	-257.11	1,406.91	1,428.15	2.73	-2.67	6.17	
7,956.00	3.96	105.70	7,814.86	-258.49	1,413.38	1,434.77	0.56	-0.18	7.49	
8,050.00	3.52	105.45	7,908.66	-260.14	1,419.28	1,440.89	0.47	-0.47	-0.27	
8,144.00	3.03	110.53	8,002.51	-261.78	1,424.39	1,446.24	0.61	-0.52	5.40	
8,239.00	2.59	115.10	8,097.39	-263.57	1,428.69	1,450.84	0.52	-0.46	4.81	
8,333.00	2.37	118.00	8,191.31	-265.39	1,432.33	1,454.80	0.27	-0.23	3.09	
8,428.00	2.10	122.31	8,286.23	-267.24	1,435.53	1,458.35	0.33	-0.28	4.54	
8,522.00	2.28	128.90	8,380.16	-269.33	1,438.44	1,461.66	0.33	0.19	7.01	
8,616.00	2.11	132.85	8,474.10	-271.68	1,441.17	1,464.86	0.24	-0.18	4.20	
8,710.00	1.58	150.70	8,568.05	-273.99	1,443.07	1,467.25	0.83	-0.56	18.99	
8,803.00	1.76	171.79	8,661.01	-276.52	1,443.90	1,468.64	0.68	0.19	22.68	
8,897.00	1.85	197.89	8,754.96	-279.40	1,443.64	1,469.06	0.87	0.10	27.77	

Company:	Terra Energy Partners, LLP	Local Co-ordinate Reference:	Well RG 541-18-297
Project:	Rio Blanco County, CO	TVD Reference:	KB=30' @ 6650.90usft (H&P #329)
Site:	Sec 18, T2S, R97W	MD Reference:	KB=30' @ 6650.90usft (H&P #329)
Well:	RG 541-18-297	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

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)	
8,991.00	1.98	200.71	8,848.91	-282.36	1,442.60	1,468.73	0.17	0.14	3.00	
9,085.00	2.15	205.45	8,942.85	-285.47	1,441.27	1,468.16	0.26	0.18	5.04	
9,180.00	2.15	206.07	9,037.78	-288.68	1,439.72	1,467.40	0.02	0.00	0.65	
9,273.00	2.11	215.56	9,130.72	-291.64	1,437.96	1,466.37	0.38	-0.04	10.20	
9,367.00	2.50	213.63	9,224.64	-294.75	1,435.82	1,465.01	0.42	0.41	-2.05	
9,461.00	2.90	218.11	9,318.54	-298.33	1,433.21	1,463.31	0.48	0.43	4.77	
9,555.00	2.81	217.58	9,412.42	-302.03	1,430.34	1,461.38	0.10	-0.10	-0.56	
9,650.00	2.86	225.23	9,507.31	-305.54	1,427.24	1,459.17	0.40	0.05	8.05	
9,744.00	3.12	224.08	9,601.18	-309.03	1,423.79	1,456.63	0.28	0.28	-1.22	
9,837.00	2.81	228.13	9,694.05	-312.37	1,420.33	1,454.05	0.40	-0.33	4.35	
9,931.00	3.12	233.49	9,787.93	-315.43	1,416.56	1,451.09	0.44	0.33	5.70	
10,025.00	2.94	235.33	9,881.80	-318.33	1,412.52	1,447.83	0.22	-0.19	1.96	
10,119.00	3.21	234.54	9,975.66	-321.22	1,408.40	1,444.49	0.29	0.29	-0.84	
10,213.00	3.42	235.86	10,069.50	-324.32	1,403.93	1,440.87	0.24	0.22	1.40	
10,307.00	3.47	237.36	10,163.33	-327.43	1,399.22	1,437.00	0.11	0.05	1.60	
10,401.00	3.21	231.73	10,257.17	-330.60	1,394.76	1,433.40	0.44	-0.28	-5.99	
10,496.00	2.59	238.67	10,352.05	-333.36	1,390.83	1,430.23	0.75	-0.65	7.31	
10,586.00	2.50	235.51	10,441.96	-335.53	1,387.48	1,427.47	0.19	-0.10	-3.51	
10,680.00	2.94	232.96	10,535.86	-338.14	1,383.86	1,424.56	0.49	0.47	-2.71	
10,775.00	3.21	236.39	10,630.72	-341.08	1,379.71	1,421.19	0.34	0.28	3.61	
10,869.00	3.34	230.85	10,724.57	-344.27	1,375.39	1,417.74	0.36	0.14	-5.89	
10,963.00	3.20	234.37	10,818.41	-347.52	1,371.13	1,414.35	0.26	-0.15	3.74	
11,058.00	3.16	234.19	10,913.27	-350.60	1,366.86	1,410.91	0.04	-0.04	-0.19	
11,152.00	3.16	237.80	11,007.13	-353.50	1,362.56	1,407.40	0.21	0.00	3.84	
11,247.00	3.21	234.10	11,101.98	-356.45	1,358.19	1,403.84	0.22	0.05	-3.89	
11,341.00	3.60	234.10	11,195.81	-359.73	1,353.67	1,400.20	0.41	0.41	0.00	
11,435.00	3.16	234.90	11,289.65	-362.95	1,349.16	1,396.56	0.47	-0.47	0.85	
11,529.00	2.98	234.19	11,383.51	-365.87	1,345.06	1,393.25	0.20	-0.19	-0.76	
11,624.00	2.90	234.10	11,478.39	-368.72	1,341.11	1,390.07	0.08	-0.08	-0.09	
11,719.00	3.87	238.76	11,573.22	-371.79	1,336.42	1,386.23	1.06	1.02	4.91	
11,813.00	2.77	240.70	11,667.06	-374.55	1,331.73	1,382.30	1.18	-1.17	2.06	
11,907.00	3.56	236.83	11,760.92	-377.26	1,327.30	1,378.63	0.87	0.84	-4.12	
11,988.00	3.87	238.15	11,841.75	-380.08	1,322.88	1,374.98	0.40	0.38	1.63	
TD @ 12055.00' MD / 11908.60' TVD										
12,055.00	3.87	238.15	11,908.60	-382.46	1,319.04	1,371.79	0.00	0.00	0.00	

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Well:	RG 541-18-297	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
141.00	140.99	-0.73	1.20	First Gyro Survey @ 141.00'MD / 140.99' TVD
1,330.00	1,307.99	-34.04	212.96	Gyro Tie-in @ 1330.00' MD / 1307.99' TVD
12,055.00	11,908.60	-382.46	1,319.04	TD @ 12055.00' MD / 11908.60' TVD

Checked By: _____ Approved By: _____ Date: _____