

Sec 18, T2S, R97W  
 RG 344-7-297  
 Q210073 & RM-210065  
 Plan 2

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 344-7-297  
 Rio Blanco County, CO  
 Rig: KB=30' @ 6650.90usft (H&P #329)  
 Created by: Chase Chambers  
 Date: 15:43, June 12 2021

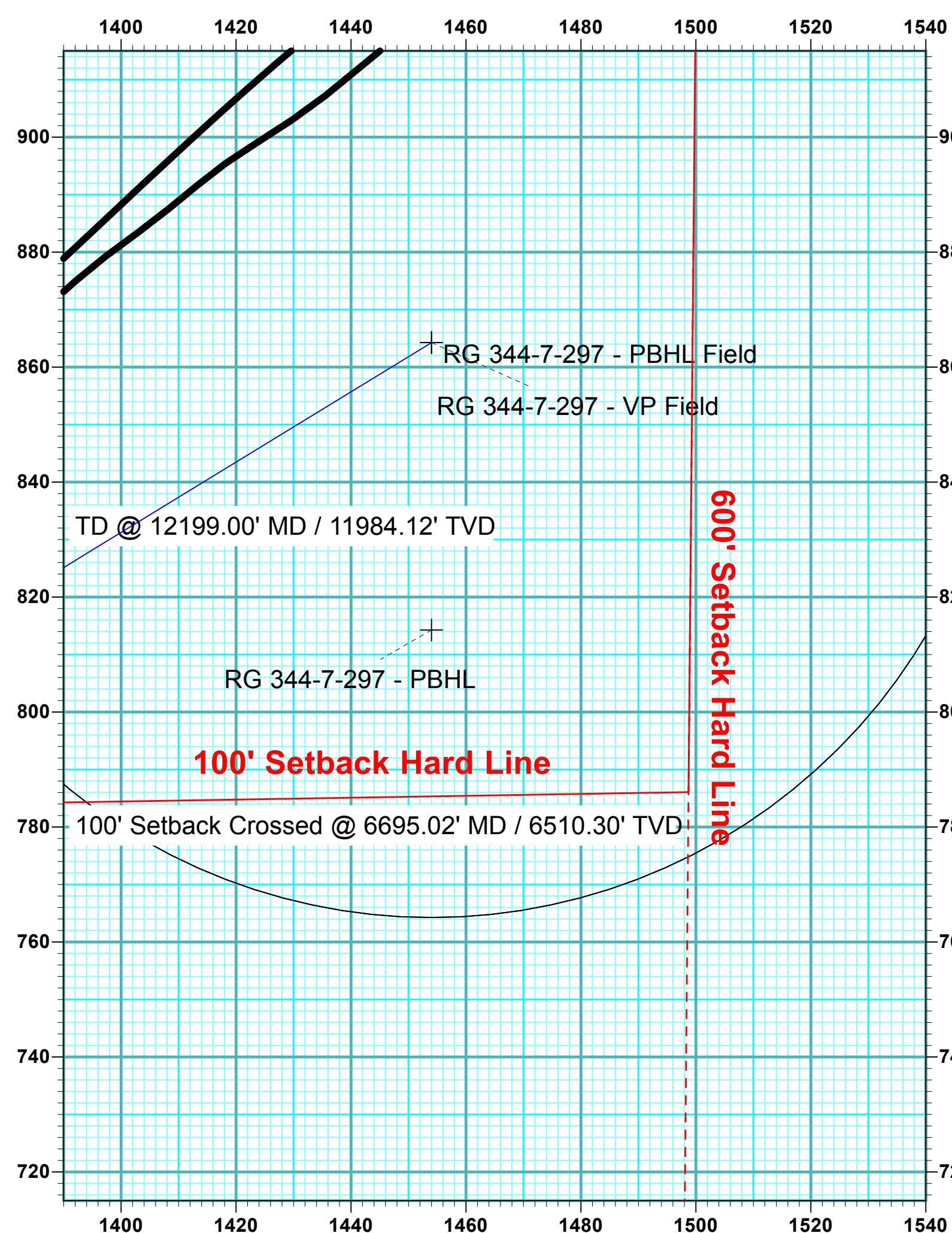
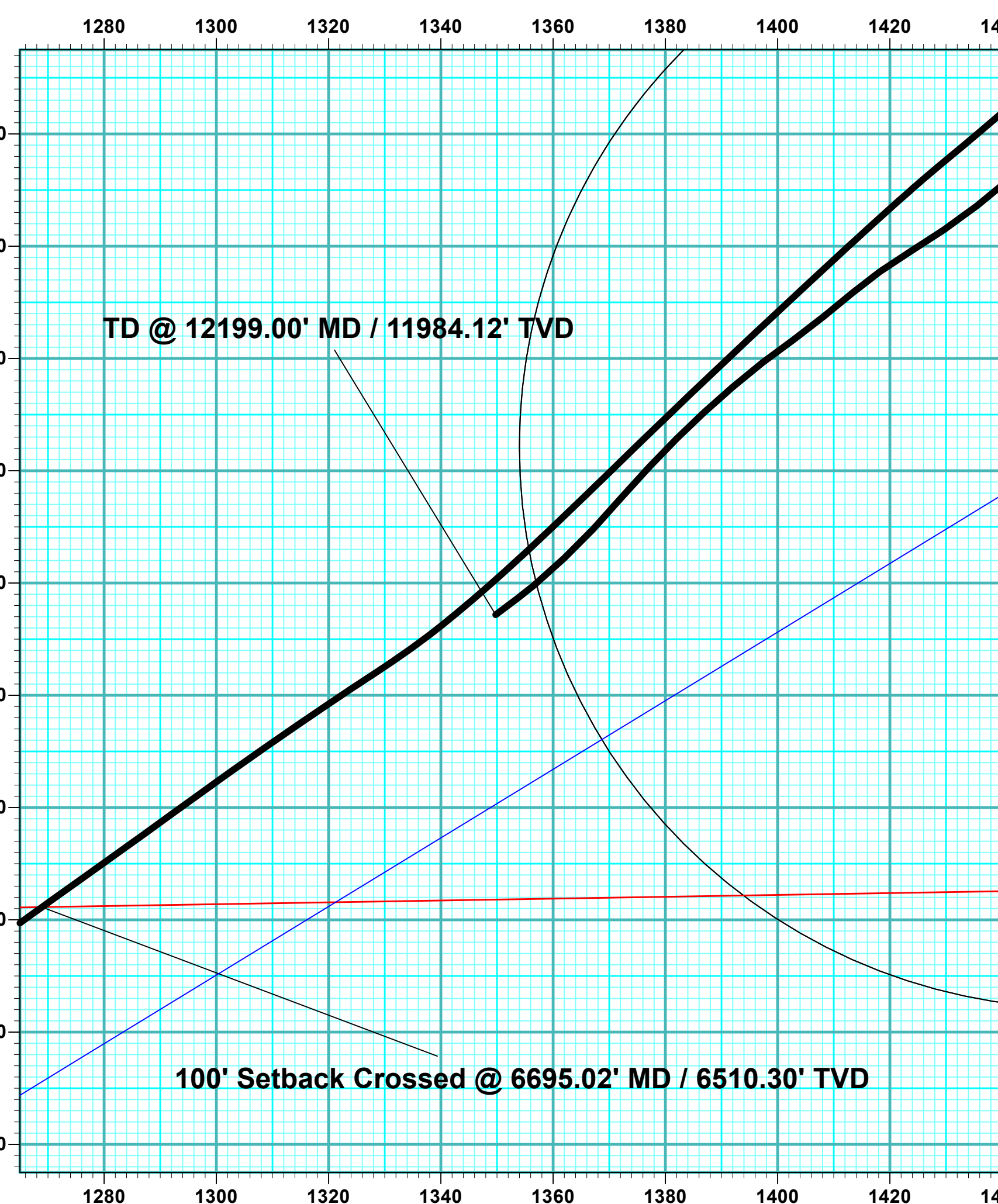
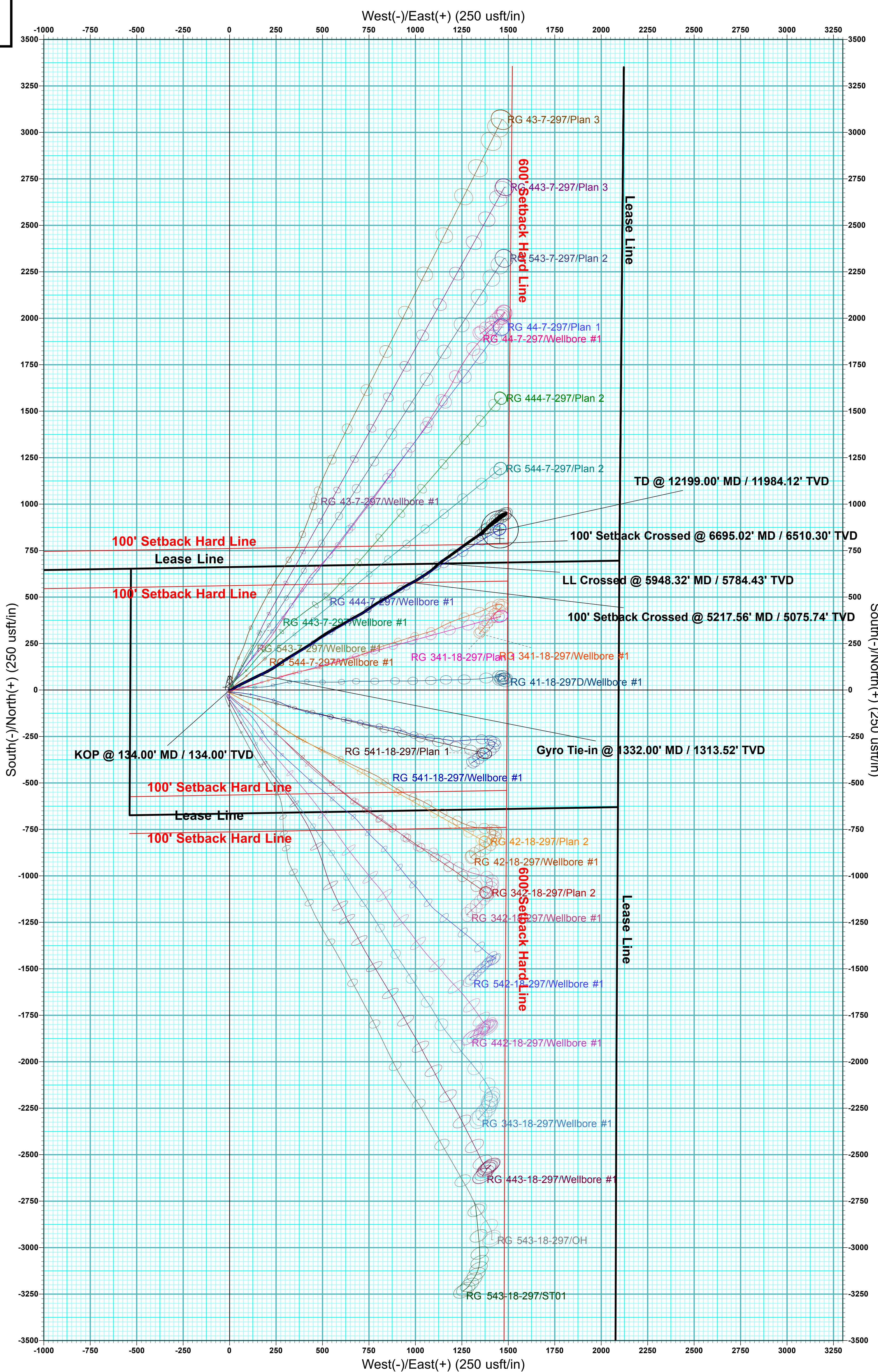
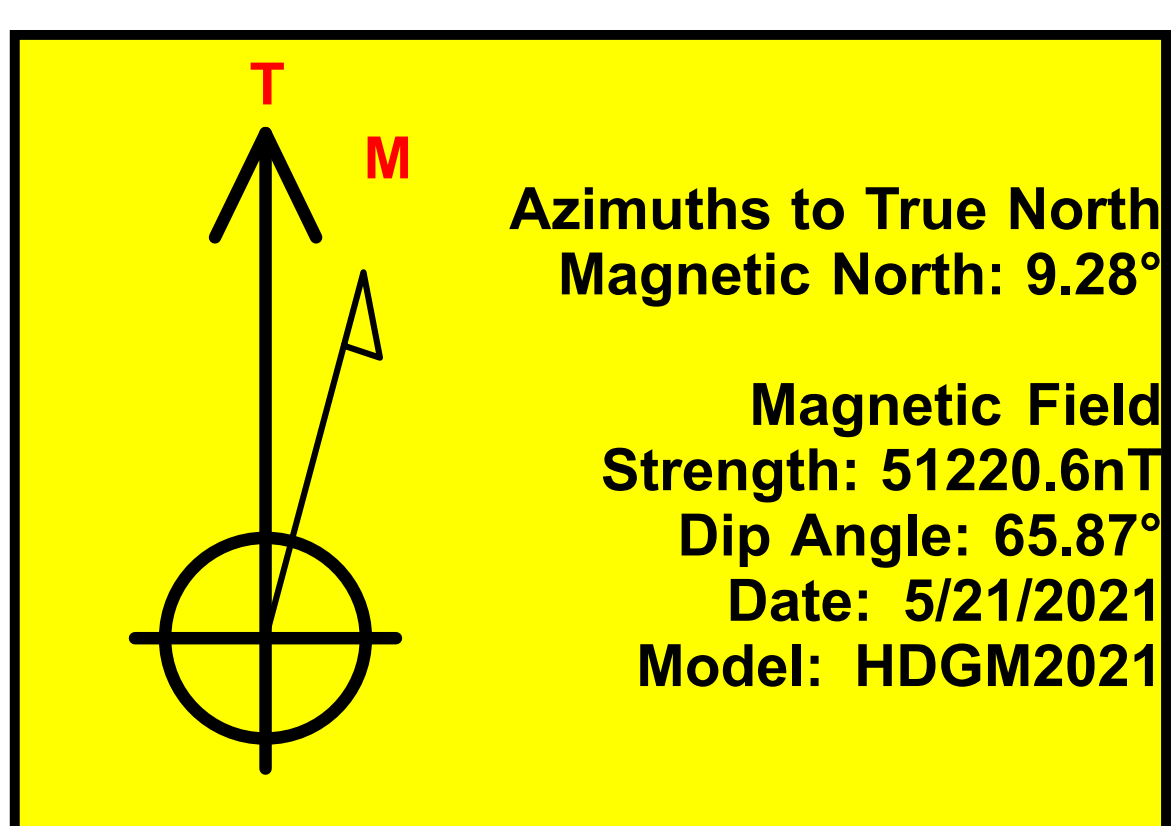
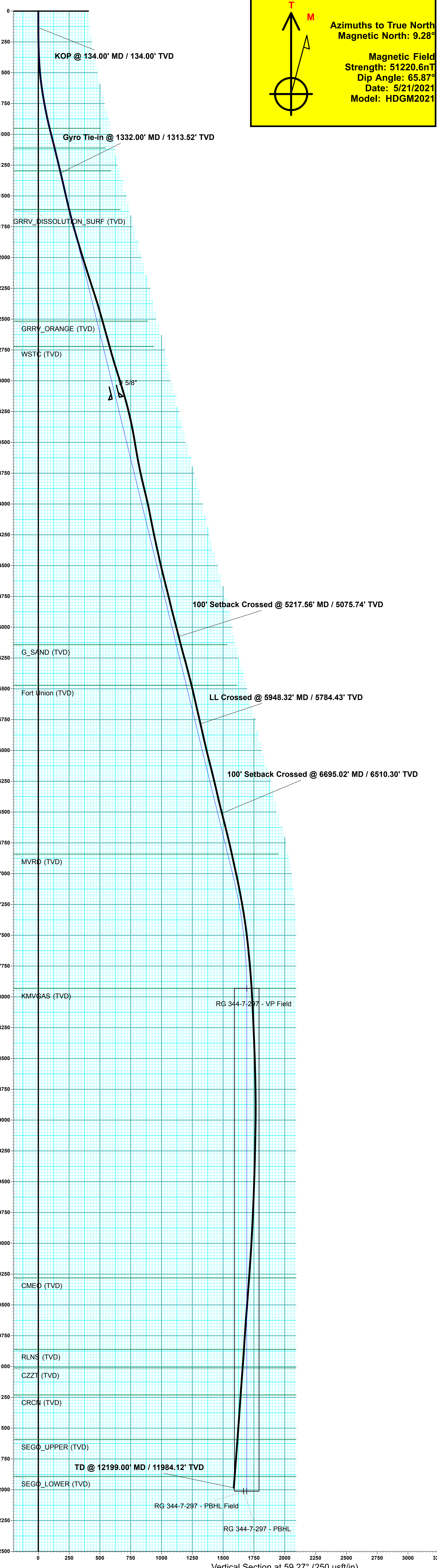
WELL DETAILS: RG 344-7-297

Ground Elevation: 6620.90

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	1758389.40	2207926.70	39.881810	-108.322700

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
RG 344-7-297 - VP Field	7931.00	864.26	1454.01	1759208.07	2209406.85	39.884182	-108.317519
RG 344-7-297 - PBHL	12011.00	864.26	1454.01	1759158.10	2209405.30	39.884045	-108.317519
RG 344-7-297 - PBHL	12011.00	864.26	1454.01	1759208.07	2209406.85	39.884182	-108.317519



ANNOTATIONS

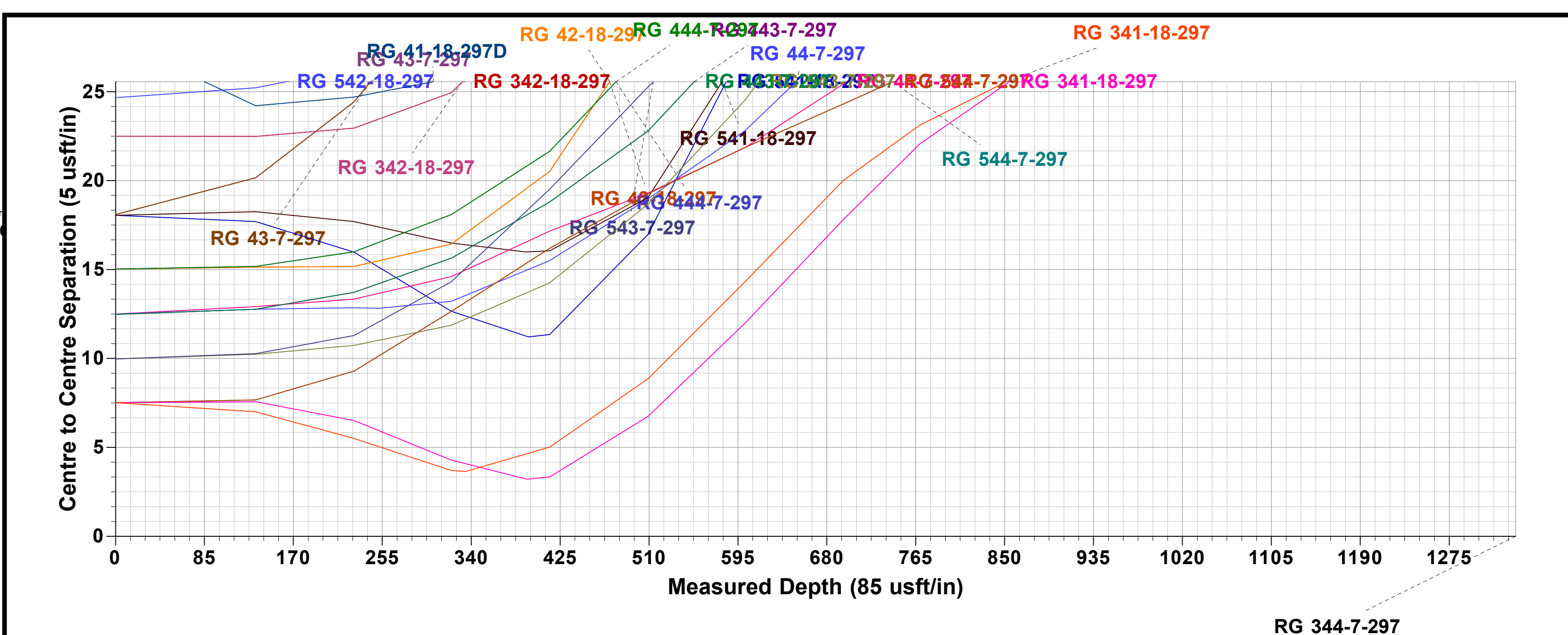
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSec	Departure	Annotation
134.00	0.26	104.94	134.00	-0.08	0.29	0.22	0.30	KOP @ 134.00' MD / 134.00' TVD
1332.00	13.51	66.39	1313.52	80.51	163.05	181.60	183.53	Gyro Tie-in @ 1332.00' MD / 1313.52' TVD
5217.56	14.21	62.52	5075.74	577.51	982.32	1139.26	1142.81	100' Setback Crossed @ 5217.56' MD / 5075.74' TVD
5948.32	12.99	50.87	5784.43	679.91	1126.99	1315.52	1320.64	LL Crossed @ 5948.32' MD / 5784.43' TVD
6695.02	14.55	54.37	6510.30	782.27	1268.93	1489.37	1495.89	100' Setback Crossed @ 6695.02' MD / 6510.30' TVD
12199.00	4.39	232.96	11984.12	834.34	1349.79	1585.36	1955.50	TD @ 12199.00' MD / 11984.12' TVD

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
951.00	958.54	GRRV (TVD)
1111.00	1123.62	GRRV_A_GROOVE (TVD)
1296.00	1313.98	GRRV_B_GROOVE (TVD)
1611.00	1638.15	GRRV_DISSOLUTION_SURF (TVD)
2516.00	2570.02	GRRV_ORANGE (TVD)
2721.00	2781.11	WSTC (TVD)
5141.00	5272.98	G_SAND (TVD)
5471.00	5612.78	Fort Union (TVD)
6841.00	7023.46	MVRD (TVD)
7931.00	8127.64	KMVGAS (TVD)
10281.00	10477.64	CMEQ (TVD)
10861.00	11057.64	RLNS (TVD)
11011.00	11207.64	CZZT (TVD)
11231.00	11427.64	CRCN (TVD)
11591.00	11787.64	SEGO_UPPER (TVD)
11891.00	12087.64	SEGO_LOWER (TVD)

SLOTS

Slot Name	+N/-S	+E/-W	Northing	Easting
(A1) RG 443-18	-34.01	-15.85	1758355.90	2207909.80
(A2) RG 442-18	-27.21	-12.66	1758362.60	2207913.20
(A3) RG 442-18	-20.40	-9.47	1758369.30	2207916.60
(A4) RG 42-18	-13.60	-6.38	1758376.00	2207919.90
(A5) RG 341-18	-6.80	-3.19	1758382.70	2207923.30
(A6) RG 344-7	0.00	0.00	1758389.40	2207926.70
(A7) RG 544-7	6.80	3.19	1758396.10	2207930.10
(A8) RG 444-7	13.60	6.38	1758402.80	2207933.50
(A9) RG 41-18	21.03	11.94	1758410.05	2207936.90
(B1) RG 543-18	-29.79	-24.89	1758360.40	2207900.90
(B2) RG 343-18	-22.99	-21.80	1758367.10	2207904.20
(B3) RG 542-18	-16.19	-18.61	1758373.80	2207907.60
(B4) RG 541-18	-9.38	-15.42	1758380.50	2207911.00
(B5) RG 44-7	-2.58	-12.23	1758387.20	2207914.40
(B6) RG 543-7	4.22	-9.04	1758393.90	2207917.80
(B7) RG 443-7	11.02	-5.85	1758400.60	2207921.20
(B8) RG 43-7	17.89	-2.69	1758407.36	2207924.57



DESIGN ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSec	Departure	Annotation
1332.00	13.51	66.39	1313.52	80.51	163.05	181.29	0.00	Tie-In @ 1332.00' MD / 1313.52' TVD
1423.00	13.51	66.39	1402.00	89.02	182.53	202.39	21.26	Build 2"/100'
1516.28	13.79	58.57	1492.65	99.18	202.00	224.32	43.26	EOB @ 13.79° Inc / 58.57° Azm
7208.04	13.79	58.57	7020.26	806.82	1360.00	1581.32	1400.36	Drop 1.5"/100'
8127.64	0.00	0.00	7931.00	864.26	1454.01	1691.47	1510.52	EOD @ Vertical
12207.64	0.00	0.00	12011.00	864.26	1454.01	1691.47	1510.52	TD @ 12207.64' MD / 12011.00' TVD



## **Terra Energy Partners, LLP**

**Rio Blanco County, CO**

**Sec 18, T2S, R97W**

**RG 344-7-297**

**Wellbore #1**

**Design: Wellbore #1**

## **KLX Survey Report**

**12 June, 2021**



<b>Company:</b>	Terra Energy Partners, LLP	<b>Local Co-ordinate Reference:</b>	Well RG 344-7-297
<b>Project:</b>	Rio Blanco County, CO	<b>TVD Reference:</b>	KB=30' @ 6650.90usft (H&P #329)
<b>Site:</b>	Sec 18, T2S, R97W	<b>MD Reference:</b>	KB=30' @ 6650.90usft (H&P #329)
<b>Well:</b>	RG 344-7-297	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db

<b>Project</b>	Rio Blanco County, CO		
<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		

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

<b>Well</b>	RG 344-7-297					
<b>Well Position</b>	<b>+N/-S</b>	0.00 usft	<b>Northing:</b>	1,758,389.40 usft	<b>Latitude:</b>	39.881810
	<b>+E/-W</b>	0.00 usft	<b>Easting:</b>	2,207,926.70 usft	<b>Longitude:</b>	-108.322701
<b>Position Uncertainty</b>		0.00 usft	<b>Wellhead Elevation:</b>	usft	<b>Ground Level:</b>	6,620.90 usft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	HDGM2021	5/21/2021	9.28	65.87	51,220.60000000

<b>Design</b>	Wellbore #1				
<b>Audit Notes:</b>					
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<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	60.75	

<b>Survey Program</b>	<b>Date</b>	6/12/2021			
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
134.00	1,332.00	Gyros (Wellbore #1)	GYRO-NS	OWSG Gyrocompass Gyro	
1,532.00	12,199.00	KLX MWD Surveys (Wellbore #1)	OWSG (REV5) MWD HDGM	OWSG MWD - Standard	

<b>Survey</b>										
<b>Measured Depth (usft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Vertical Section (usft)</b>	<b>Dogleg Rate (°/100usft)</b>	<b>Build Rate (°/100usft)</b>	<b>Turn Rate (°/100usft)</b>	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>KOP @ 134.00' MD / 134.00' TVD</b>										
134.00	0.26	104.94	134.00	-0.08	0.29	0.22	0.19	0.19	0.00	
228.00	1.14	109.78	227.99	-0.45	1.38	0.98	0.94	0.94	5.15	
321.00	2.29	92.55	320.95	-0.85	4.11	3.17	1.34	1.24	-18.53	
415.00	3.61	76.99	414.82	-0.26	8.87	7.61	1.63	1.40	-16.55	
509.00	5.28	56.51	508.54	2.79	15.36	14.76	2.42	1.78	-21.79	
602.00	8.01	53.53	600.91	9.00	24.14	25.46	2.96	2.94	-3.20	
696.00	9.24	57.83	693.85	16.92	35.79	39.50	1.48	1.31	4.57	
769.00	10.65	62.57	765.75	23.14	46.74	52.09	2.23	1.93	6.49	

<b>Company:</b>	Terra Energy Partners, LLP	<b>Local Co-ordinate Reference:</b>	Well RG 344-7-297
<b>Project:</b>	Rio Blanco County, CO	<b>TVD Reference:</b>	KB=30' @ 6650.90usft (H&P #329)
<b>Site:</b>	Sec 18, T2S, R97W	<b>MD Reference:</b>	KB=30' @ 6650.90usft (H&P #329)
<b>Well:</b>	RG 344-7-297	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Wellbore #1	<b>Database:</b>	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)	
863.00	12.05	63.25	857.91	31.56	63.22	70.58	1.50	1.49	0.72	
956.00	13.90	63.92	948.53	40.84	81.92	91.43	2.00	1.99	0.72	
1,050.00	14.63	64.41	1,039.63	50.93	102.77	114.55	0.79	0.78	0.52	
1,143.00	13.53	63.80	1,129.84	60.81	123.12	137.14	1.19	-1.18	-0.66	
1,238.00	13.74	62.42	1,222.16	70.94	143.09	159.51	0.41	0.22	-1.45	
<b>Gyro Tie-in @ 1332.00' MD / 1313.52' TVD</b>										
1,332.00	13.51	66.39	1,313.52	80.51	163.05	181.60	1.02	-0.24	4.22	
1,532.00	12.57	61.66	1,508.36	100.20	203.61	226.61	0.71	-0.47	-2.37	
1,626.00	13.97	60.87	1,599.85	110.57	222.53	248.18	1.50	1.49	-0.84	
1,720.00	14.55	56.57	1,690.95	122.60	242.29	271.31	1.28	0.62	-4.57	
1,814.00	15.95	54.28	1,781.64	136.65	262.63	295.92	1.62	1.49	-2.44	
1,908.00	16.57	56.04	1,871.88	151.68	284.24	322.11	0.84	0.66	1.87	
2,002.00	17.05	57.27	1,961.87	166.62	306.95	349.22	0.64	0.51	1.31	
2,096.00	17.58	58.32	2,051.61	181.52	330.62	377.16	0.65	0.56	1.12	
2,190.00	17.67	58.67	2,141.19	196.40	354.89	405.60	0.15	0.10	0.37	
2,378.00	18.11	58.94	2,320.10	226.31	404.29	463.32	0.24	0.23	0.14	
2,473.00	16.22	57.36	2,410.87	241.08	428.11	491.32	2.05	-1.99	-1.66	
2,566.00	15.86	54.98	2,500.25	255.38	449.46	516.93	0.81	-0.39	-2.56	
2,661.00	15.64	54.63	2,591.68	270.24	470.53	542.58	0.25	-0.23	-0.37	
2,755.00	15.38	55.16	2,682.26	284.70	491.09	567.59	0.32	-0.28	0.56	
2,848.00	15.91	56.92	2,771.81	298.70	511.90	592.58	0.76	0.57	1.89	
2,943.00	16.57	59.82	2,863.02	312.62	534.52	619.12	1.10	0.69	3.05	
3,037.00	17.58	61.40	2,952.88	326.15	558.57	646.72	1.18	1.07	1.68	
3,131.00	17.27	61.93	3,042.57	339.51	583.35	674.86	0.37	-0.33	0.56	
3,225.00	16.00	60.43	3,132.63	352.47	606.93	701.77	1.43	-1.35	-1.60	
3,265.00	15.16	58.94	3,171.16	357.89	616.20	712.51	2.33	-2.10	-3.73	
3,421.00	12.52	60.17	3,322.62	376.83	648.35	749.81	1.70	-1.69	0.79	
3,515.00	10.59	60.70	3,414.71	386.13	664.72	768.64	2.06	-2.05	0.56	
3,609.00	9.23	63.42	3,507.31	393.73	679.00	784.81	1.53	-1.45	2.89	
3,703.00	10.15	59.55	3,599.96	401.30	692.88	800.62	1.20	0.98	-4.12	
3,797.00	11.34	62.10	3,692.32	409.82	708.19	818.14	1.36	1.27	2.71	
3,891.00	12.96	54.90	3,784.21	420.21	724.98	837.87	2.36	1.72	-7.66	
3,986.00	13.62	55.51	3,876.67	432.67	742.92	859.60	0.71	0.69	0.64	
4,080.00	13.40	56.39	3,968.07	444.96	761.11	881.48	0.32	-0.23	0.94	
4,174.00	11.03	55.07	4,059.93	456.14	777.56	901.30	2.54	-2.52	-1.40	
4,268.00	11.21	58.32	4,152.17	466.09	792.70	919.37	0.69	0.19	3.46	
4,363.00	11.91	61.14	4,245.24	475.67	809.15	938.40	0.95	0.74	2.97	
4,457.00	12.39	60.87	4,337.13	485.26	826.45	958.19	0.51	0.51	-0.29	
4,551.00	12.70	58.76	4,428.89	495.53	844.10	978.60	0.59	0.33	-2.24	
4,645.00	13.18	59.73	4,520.50	506.29	862.19	999.64	0.56	0.51	1.03	
4,739.00	14.11	58.67	4,611.85	517.65	881.23	1,021.80	1.02	0.99	-1.13	
4,834.00	14.46	57.44	4,703.91	530.06	901.12	1,045.22	0.49	0.37	-1.29	
4,928.00	13.45	57.27	4,795.14	542.28	920.21	1,067.85	1.08	-1.07	-0.18	

<b>Company:</b>	Terra Energy Partners, LLP	<b>Local Co-ordinate Reference:</b>	Well RG 344-7-297
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<b>Site:</b>	Sec 18, T2S, R97W	<b>MD Reference:</b>	KB=30' @ 6650.90usft (H&P #329)
<b>Well:</b>	RG 344-7-297	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Wellbore #1	<b>Database:</b>	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)	
5,023.00	14.11	59.11	4,887.40	554.20	939.44	1,090.45	0.83	0.69	1.94	
5,117.00	14.94	61.93	4,978.40	565.79	959.96	1,114.02	1.16	0.88	3.00	
5,211.00	14.19	62.72	5,069.38	576.77	980.89	1,137.65	0.83	-0.80	0.84	
<b>100' Setback Crossed @ 5217.56' MD / 5075.74' TVD</b>										
5,217.56	14.21	62.52	5,075.74	577.51	982.32	1,139.26	0.85	0.36	-3.12	
5,306.00	14.55	59.82	5,161.41	588.11	1,001.56	1,161.22	0.85	0.38	-3.05	
5,400.00	16.04	57.53	5,252.07	601.01	1,022.72	1,185.99	1.71	1.59	-2.44	
5,494.00	14.19	57.27	5,342.82	614.22	1,043.37	1,210.46	1.97	-1.97	-0.28	
5,588.00	14.68	56.39	5,433.85	627.04	1,062.99	1,233.84	0.57	0.52	-0.94	
5,683.00	12.88	54.02	5,526.11	639.92	1,081.58	1,256.36	1.99	-1.89	-2.49	
5,777.00	13.18	46.72	5,617.70	653.43	1,097.86	1,277.16	1.78	0.32	-7.77	
5,871.00	13.49	46.90	5,709.17	668.27	1,113.67	1,298.20	0.33	0.33	0.19	
<b>LL Crossed @ 5948.32' MD / 5784.43' TVD</b>										
5,948.32	12.99	50.87	5,784.43	679.91	1,126.99	1,315.52	1.34	-0.65	5.14	
5,966.00	12.88	51.82	5,801.66	682.38	1,130.08	1,319.42	1.34	-0.60	5.37	
6,060.00	13.01	54.54	5,893.28	695.00	1,146.94	1,340.29	0.66	0.14	2.89	
6,154.00	13.10	55.69	5,984.85	707.14	1,164.35	1,361.42	0.29	0.10	1.22	
6,248.00	14.72	54.90	6,076.09	720.01	1,182.93	1,383.91	1.74	1.72	-0.84	
6,343.00	13.71	53.40	6,168.18	733.66	1,201.84	1,407.08	1.13	-1.06	-1.58	
6,437.00	13.84	54.46	6,259.47	746.84	1,219.93	1,429.31	0.30	0.14	1.13	
6,531.00	12.79	54.37	6,350.95	759.44	1,237.54	1,450.82	1.12	-1.12	-0.10	
6,625.00	13.84	53.58	6,442.42	772.17	1,255.04	1,472.32	1.13	1.12	-0.84	
<b>100' Setback Crossed @ 6695.02' MD / 6510.30' TVD</b>										
6,695.02	14.55	54.37	6,510.30	782.27	1,268.93	1,489.37	1.06	1.02	1.12	
6,720.00	14.81	54.63	6,534.46	785.95	1,274.09	1,495.67	1.06	1.02	1.05	
6,814.00	13.67	54.02	6,625.57	799.43	1,292.87	1,518.64	1.22	-1.21	-0.65	
6,908.00	14.02	55.25	6,716.84	812.45	1,311.21	1,541.01	0.49	0.37	1.31	
7,002.00	12.17	56.92	6,808.39	824.34	1,328.87	1,562.23	2.01	-1.97	1.78	
7,096.00	12.61	49.45	6,900.21	836.42	1,344.97	1,582.18	1.77	0.47	-7.95	
7,190.00	12.88	46.19	6,991.90	850.35	1,360.33	1,602.38	0.82	0.29	-3.47	
7,284.00	11.65	45.75	7,083.75	864.22	1,374.69	1,621.69	1.31	-1.31	-0.47	
7,378.00	11.03	46.63	7,175.91	877.02	1,388.03	1,639.58	0.68	-0.66	0.94	
7,473.00	9.89	46.98	7,269.33	888.83	1,400.60	1,656.32	1.20	-1.20	0.37	
7,566.00	8.96	47.34	7,361.08	899.19	1,411.76	1,671.12	1.00	-1.00	0.39	
7,661.00	7.73	48.39	7,455.07	908.44	1,421.98	1,684.56	1.30	-1.29	1.11	
7,755.00	6.15	50.59	7,548.38	915.84	1,430.60	1,695.69	1.70	-1.68	2.34	
7,849.00	5.84	49.18	7,641.86	922.16	1,438.11	1,705.33	0.37	-0.33	-1.50	
7,943.00	5.10	49.45	7,735.43	928.00	1,444.90	1,714.11	0.79	-0.79	0.29	
8,038.00	4.61	52.52	7,830.09	933.07	1,451.14	1,722.03	0.58	-0.52	3.23	
8,132.00	3.56	52.43	7,923.85	937.15	1,456.45	1,728.66	1.12	-1.12	-0.10	
8,226.00	3.12	54.28	8,017.69	940.42	1,460.84	1,734.09	0.48	-0.47	1.97	
8,320.00	2.50	63.16	8,111.58	942.84	1,464.75	1,738.68	0.80	-0.66	9.45	
8,414.00	2.55	63.16	8,205.49	944.71	1,468.44	1,742.81	0.05	0.05	0.00	
8,508.00	2.55	66.76	8,299.40	946.48	1,472.23	1,746.98	0.17	0.00	3.83	

<b>Company:</b>	Terra Energy Partners, LLP	<b>Local Co-ordinate Reference:</b>	Well RG 344-7-297
<b>Project:</b>	Rio Blanco County, CO	<b>TVD Reference:</b>	KB=30' @ 6650.90usft (H&P #329)
<b>Site:</b>	Sec 18, T2S, R97W	<b>MD Reference:</b>	KB=30' @ 6650.90usft (H&P #329)
<b>Well:</b>	RG 344-7-297	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Wellbore #1	<b>Database:</b>	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)	
8,603.00	2.15	68.17	8,394.32	947.98	1,475.82	1,750.85	0.43	-0.42	1.48	
8,697.00	1.89	73.97	8,488.26	949.06	1,478.95	1,754.11	0.35	-0.28	6.17	
8,792.00	1.67	80.03	8,583.21	949.73	1,481.82	1,756.94	0.30	-0.23	6.38	
8,886.00	1.41	79.50	8,677.18	950.18	1,484.31	1,759.33	0.28	-0.28	-0.56	
8,980.00	0.92	99.28	8,771.16	950.27	1,486.19	1,761.01	0.67	-0.52	21.04	
9,073.00	0.70	127.14	8,864.15	949.81	1,487.38	1,761.83	0.48	-0.24	29.96	
9,167.00	0.53	191.48	8,958.14	949.03	1,487.75	1,761.77	0.71	-0.18	68.45	
9,261.00	0.83	196.93	9,052.14	947.95	1,487.46	1,761.00	0.33	0.32	5.80	
9,355.00	1.41	214.77	9,146.12	946.35	1,486.61	1,759.47	0.71	0.62	18.98	
9,449.00	1.45	221.01	9,240.09	944.51	1,485.17	1,757.31	0.17	0.04	6.64	
9,543.00	1.76	218.02	9,334.05	942.47	1,483.50	1,754.86	0.34	0.33	-3.18	
9,637.00	1.71	229.80	9,428.01	940.43	1,481.54	1,752.15	0.38	-0.05	12.53	
9,731.00	1.89	231.03	9,521.96	938.55	1,479.26	1,749.24	0.20	0.19	1.31	
9,825.00	2.07	241.66	9,615.91	936.77	1,476.56	1,746.02	0.43	0.19	11.31	
9,919.00	2.42	246.76	9,709.84	935.18	1,473.24	1,742.35	0.43	0.37	5.43	
10,013.00	2.72	243.16	9,803.74	933.39	1,469.43	1,738.15	0.36	0.32	-3.83	
10,107.00	2.99	231.82	9,897.63	930.87	1,465.51	1,733.49	0.66	0.29	-12.06	
10,201.00	3.21	231.56	9,991.49	927.71	1,461.52	1,728.47	0.23	0.23	-0.28	
10,295.00	3.91	232.17	10,085.31	924.11	1,456.93	1,722.71	0.75	0.74	0.65	
10,389.00	3.91	233.31	10,179.09	920.23	1,451.83	1,716.36	0.08	0.00	1.21	
10,484.00	4.13	232.70	10,273.85	916.22	1,446.51	1,709.76	0.24	0.23	-0.64	
10,577.00	4.48	228.39	10,366.59	911.78	1,441.13	1,702.90	0.51	0.38	-4.63	
10,671.00	4.35	233.05	10,460.31	907.20	1,435.54	1,695.78	0.41	-0.14	4.96	
10,766.00	4.48	235.16	10,555.03	902.92	1,429.61	1,688.52	0.22	0.14	2.22	
10,860.00	4.17	239.00	10,648.76	899.06	1,423.67	1,681.45	0.45	-0.33	4.09	
10,955.00	3.73	233.84	10,743.54	895.46	1,418.21	1,674.93	0.59	-0.46	-5.43	
11,049.00	3.82	230.76	10,837.33	891.67	1,413.32	1,668.81	0.24	0.10	-3.28	
11,144.00	4.09	230.59	10,932.11	887.52	1,408.25	1,662.36	0.28	0.28	-0.18	
11,238.00	4.22	233.93	11,025.86	883.35	1,402.87	1,655.62	0.29	0.14	3.55	
11,332.00	4.17	233.14	11,119.61	879.27	1,397.34	1,648.80	0.08	-0.05	-0.84	
11,426.00	4.22	228.57	11,213.36	874.93	1,392.01	1,642.03	0.36	0.05	-4.86	
11,521.00	4.09	228.22	11,308.11	870.36	1,386.86	1,635.31	0.14	-0.14	-0.37	
11,615.00	4.00	224.00	11,401.87	865.77	1,382.09	1,628.90	0.33	-0.10	-4.49	
11,709.00	4.44	224.26	11,495.62	860.80	1,377.27	1,622.27	0.47	0.47	0.28	
11,804.00	4.66	220.48	11,590.32	855.23	1,372.20	1,615.12	0.39	0.23	-3.98	
11,899.00	4.48	223.38	11,685.02	849.60	1,367.14	1,607.96	0.31	-0.19	3.05	
11,993.00	4.39	226.37	11,778.74	844.45	1,362.02	1,600.97	0.26	-0.10	3.18	
12,087.00	4.48	229.97	11,872.45	839.61	1,356.60	1,593.88	0.31	0.10	3.83	
12,136.00	4.39	232.96	11,921.31	837.25	1,353.64	1,590.14	0.51	-0.18	6.10	
<b>TD @ 12199.00' MD / 11984.12' TVD</b>										
12,199.00	4.39	232.96	11,984.12	834.34	1,349.79	1,585.36	0.00	0.00	0.00	

<b>Company:</b>	Terra Energy Partners, LLP	<b>Local Co-ordinate Reference:</b>	Well RG 344-7-297
<b>Project:</b>	Rio Blanco County, CO	<b>TVD Reference:</b>	KB=30' @ 6650.90usft (H&P #329)
<b>Site:</b>	Sec 18, T2S, R97W	<b>MD Reference:</b>	KB=30' @ 6650.90usft (H&P #329)
<b>Well:</b>	RG 344-7-297	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
134.00	134.00	-0.08	0.29	KOP @ 134.00' MD / 134.00' TVD
1,332.00	1,313.52	80.51	163.05	Gyro Tie-in @ 1332.00' MD / 1313.52' TVD
5,217.56	5,075.74	577.51	982.32	100' Setback Crossed @ 5217.56' MD / 5075.74' TVD
5,948.32	5,784.43	679.91	1,126.99	LL Crossed @ 5948.32' MD / 5784.43' TVD
6,695.02	6,510.30	782.27	1,268.93	100' Setback Crossed @ 6695.02' MD / 6510.30' TVD
12,199.00	11,984.12	834.34	1,349.79	TD @ 12199.00' MD / 11984.12' TVD