

## 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

## WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
RG 313-7-297 - KMV Gas	8043.00	164.93	-338.70	1761064.70	2205879.40	39.888975	-108.330289	Circle (Radius: 50.00)
RG 313-7-297 - PBHL	11703.00	164.93	-338.70	1761064.70	2205879.40	39.888975	-108.330289	Point

## REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well RG 313-7-297 - Slot RG 313-7-297, True North  
Vertical (TVD) Reference: KB=30' @ 6633.00usft (H&P #329)  
Section (VS) Reference: Slot - RG 313-7-297(0.00N, 0.00E)  
Measured Depth Reference: KB=30' @ 6633.00usft (H&P #329)  
Calculation Method: Minimum Curvature

## ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSec	Departure	Annotation
135.00	0.00	0.00	135.00	0.00	0.00	0.00	0.00	Start Build 2.00
274.23	2.78	295.96	274.17	1.48	-3.04	3.38	3.38	Start 7592.23 hold at 274.23 MD
7866.46	2.78	295.96	7857.44	162.96	-334.64	372.21	372.21	Start Drop -1.50
8052.09	0.00	0.00	8043.00	164.93	-338.70	376.72	376.72	Start 3660.00 hold at 8052.09 MD
11712.09	0.00	0.00	11703.00	164.93	-338.70	376.72	376.72	TD at 11712.09

## WELL DETAILS: RG 313-7-297

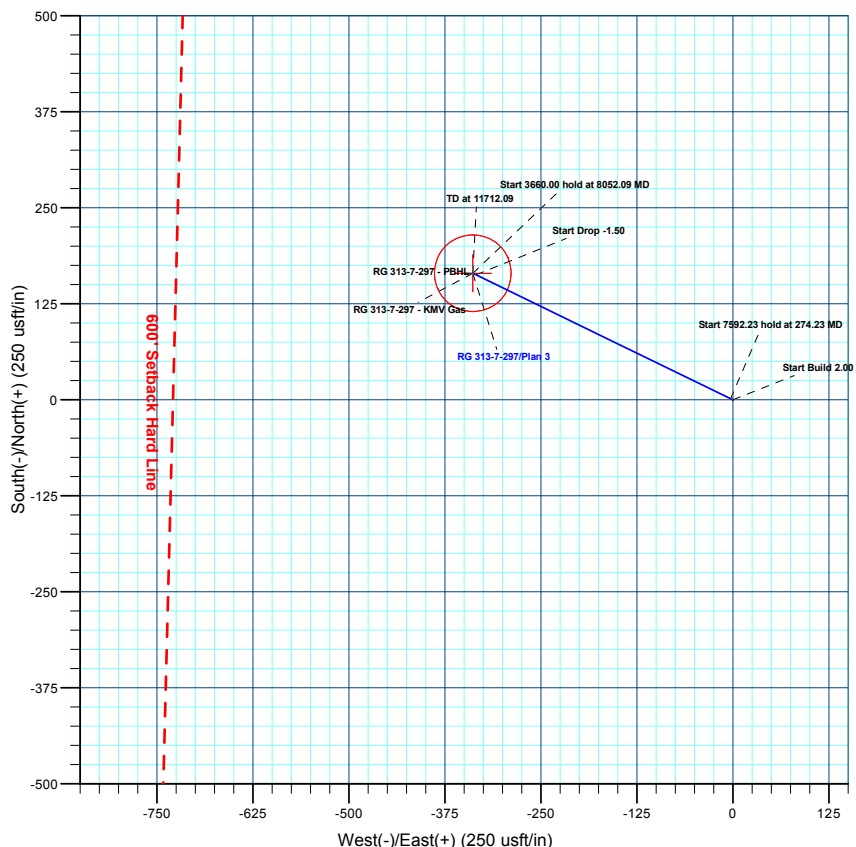
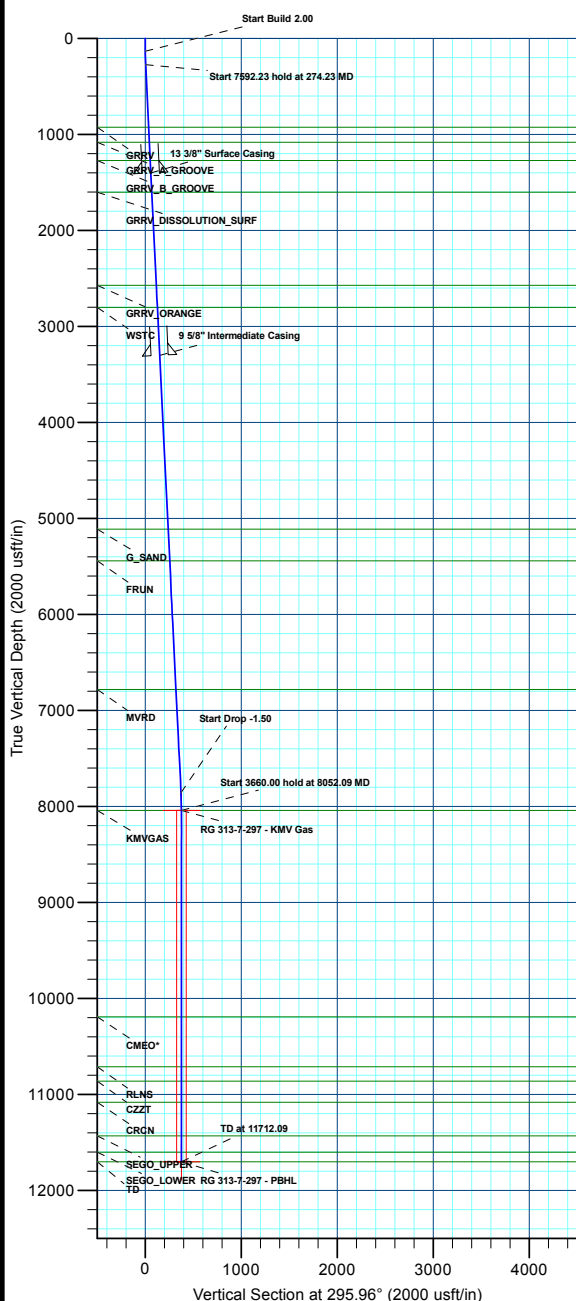
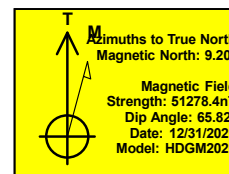
+N/-S	+E/-W	Northing	Ground Elev:	Latitude	Longitude	Slot
0.00	0.00	1760889.30	6603.00 2206212.80	39.888523	-108.329082	RG 313-7-297

## CASING DETAILS

TVD	MD	Name	Size
1403.00	1404.39	13 3/8" Surface Casing	13-3/8
3303.00	3306.64	5/8" Intermediate Casing	9-5/8

## FORMATION TOP DETAILS

TVDPath	MDPath	Formation
928.00	928.83	GRRV
1083.00	1084.01	GRRV_A_GROOVE
1273.00	1274.24	GRRV_B_GROOVE
1603.00	1604.63	GRRV DISSOLUTION_SURF
2573.00	2575.77	GRRV_ORANGE
2803.00	2806.04	WSTC
5113.00	5118.77	G_SAND
5443.00	5449.16	FRUN
6783.00	6790.75	MVRD
8043.00	8052.09	KMVGAS
10193.00	10202.09	CMEO*
10713.00	10722.09	RLNS
10863.00	10872.09	CZZT
11083.00	11092.09	CRCN
11433.00	11442.09	SEGO_UPPER
11603.00	11612.09	SEGO_LOWER
11703.00	11712.09	TD



Plan: Plan 3 (RG 313-7-297/Wellbore #1)

Created By: Chase Chambers Date: 15:02, April 06 2022



## **Terra Energy Partners, LLP**

**Rio Blanco County, CO**

**RGU 23-7-297 Pad**

**RG 313-7-297 - Slot RG 313-7-297**

**Wellbore #1**

**Plan: Plan 3**

## **KLX Well Planning Report**

**22 March, 2022**



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well RG 313-7-297 - Slot RG 313-7-297
<b>Company:</b>	Terra Energy Partners, LLP	<b>TVD Reference:</b>	KB=30' @ 6633.00usft (H&P #329)
<b>Project:</b>	Rio Blanco County, CO	<b>MD Reference:</b>	KB=30' @ 6633.00usft (H&P #329)
<b>Site:</b>	RGU 23-7-297 Pad	<b>North Reference:</b>	True
<b>Well:</b>	RG 313-7-297	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan 3		

<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		

Site		RGU 23-7-297 Pad			
Site Position:		Northing:	1,760,880.90 usft	Latitude:	39.888499
From:	Map	Easting:	2,206,203.50 usft	Longitude:	-108.329114
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	-1.78

Well	RG 313-7-297 - Slot RG 313-7-297					
Well Position	+N/-S	8.69 usft	Northing:	1,760,889.30 usft	Latitude:	39.888523
	+E/-W	9.03 usft	Easting:	2,206,212.80 usft	Longitude:	-108.329082
Position Uncertainty		0.00 usft	Wellhead Elevation:		Ground Level:	6,603.00 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>
	HDGM2020	12/31/2020	9.20	65.82	51,278.40000000

<b>Design</b>	Plan 3			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<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	295.96

<b>Plan Sections</b>										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
135.00	0.00	0.00	135.00	0.00	0.00	0.00	0.00	0.00	0.00	
274.23	2.78	295.96	274.17	1.48	-3.04	2.00	2.00	0.00	295.96	
7,866.46	2.78	295.96	7,857.44	162.96	-334.64	0.00	0.00	0.00	0.00	
8,052.09	0.00	0.00	8,043.00	164.93	-338.70	1.50	-1.50	0.00	180.00	RG 313-7-297 - KMV
11,712.09	0.00	0.00	11,703.00	164.93	-338.70	0.00	0.00	0.00	0.00	RG 313-7-297 - PBHL

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<b>Company:</b>	Terra Energy Partners, LLP	<b>TVD Reference:</b>	KB=30' @ 6633.00usft (H&P #329)
<b>Project:</b>	Rio Blanco County, CO	<b>MD Reference:</b>	KB=30' @ 6633.00usft (H&P #329)
<b>Site:</b>	RGU 23-7-297 Pad	<b>North Reference:</b>	True
<b>Well:</b>	RG 313-7-297	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan 3		

Planned 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
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Start Build 2.00</b>									
135.00	0.00	0.00	135.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	1.30	295.96	199.99	0.32	-0.66	0.74	2.00	2.00	0.00
<b>Start 7592.23 hold at 274.23 MD</b>									
274.23	2.78	295.96	274.17	1.48	-3.04	3.38	2.00	2.00	0.00
300.00	2.78	295.96	299.91	2.03	-4.17	4.63	0.00	0.00	0.00
400.00	2.78	295.96	399.80	4.16	-8.53	9.49	0.00	0.00	0.00
500.00	2.78	295.96	499.68	6.28	-12.90	14.35	0.00	0.00	0.00
600.00	2.78	295.96	599.56	8.41	-17.27	19.21	0.00	0.00	0.00
700.00	2.78	295.96	699.44	10.54	-21.64	24.07	0.00	0.00	0.00
800.00	2.78	295.96	799.32	12.66	-26.01	28.92	0.00	0.00	0.00
900.00	2.78	295.96	899.21	14.79	-30.37	33.78	0.00	0.00	0.00
<b>GRRV</b>									
928.83	2.78	295.96	928.00	15.40	-31.63	35.18	0.00	0.00	0.00
1,000.00	2.78	295.96	999.09	16.92	-34.74	38.64	0.00	0.00	0.00
<b>GRRV_A_GROOVE</b>									
1,084.01	2.78	295.96	1,083.00	18.70	-38.41	42.72	0.00	0.00	0.00
1,100.00	2.78	295.96	1,098.97	19.04	-39.11	43.50	0.00	0.00	0.00
1,200.00	2.78	295.96	1,198.85	21.17	-43.48	48.36	0.00	0.00	0.00
<b>GRRV_B_GROOVE</b>									
1,274.24	2.78	295.96	1,273.00	22.75	-46.72	51.96	0.00	0.00	0.00
1,300.00	2.78	295.96	1,298.73	23.30	-47.84	53.21	0.00	0.00	0.00
1,400.00	2.78	295.96	1,398.62	25.42	-52.21	58.07	0.00	0.00	0.00
<b>13 3/8" Surface Casing</b>									
1,404.39	2.78	295.96	1,403.00	25.52	-52.40	58.29	0.00	0.00	0.00
1,500.00	2.78	295.96	1,498.50	27.55	-56.58	62.93	0.00	0.00	0.00
1,600.00	2.78	295.96	1,598.38	29.68	-60.95	67.79	0.00	0.00	0.00
<b>GRRV DISSOLUTION_SURF</b>									
1,604.63	2.78	295.96	1,603.00	29.78	-61.15	68.01	0.00	0.00	0.00
1,700.00	2.78	295.96	1,698.26	31.81	-65.31	72.65	0.00	0.00	0.00
1,800.00	2.78	295.96	1,798.14	33.93	-69.68	77.50	0.00	0.00	0.00
1,900.00	2.78	295.96	1,898.03	36.06	-74.05	82.36	0.00	0.00	0.00
2,000.00	2.78	295.96	1,997.91	38.19	-78.42	87.22	0.00	0.00	0.00
2,100.00	2.78	295.96	2,097.79	40.31	-82.78	92.08	0.00	0.00	0.00
2,200.00	2.78	295.96	2,197.67	42.44	-87.15	96.94	0.00	0.00	0.00
2,300.00	2.78	295.96	2,297.55	44.57	-91.52	101.79	0.00	0.00	0.00
2,400.00	2.78	295.96	2,397.44	46.69	-95.89	106.65	0.00	0.00	0.00
2,500.00	2.78	295.96	2,497.32	48.82	-100.26	111.51	0.00	0.00	0.00
<b>GRRV_ORANGE</b>									
2,575.77	2.78	295.96	2,573.00	50.43	-103.57	115.19	0.00	0.00	0.00
2,600.00	2.78	295.96	2,597.20	50.95	-104.62	116.37	0.00	0.00	0.00
2,700.00	2.78	295.96	2,697.08	53.07	-108.99	121.23	0.00	0.00	0.00
2,800.00	2.78	295.96	2,796.96	55.20	-113.36	126.08	0.00	0.00	0.00
<b>WSTC</b>									
2,806.04	2.78	295.96	2,803.00	55.33	-113.62	126.38	0.00	0.00	0.00
2,900.00	2.78	295.96	2,896.84	57.33	-117.73	130.94	0.00	0.00	0.00
3,000.00	2.78	295.96	2,996.73	59.46	-122.09	135.80	0.00	0.00	0.00
3,100.00	2.78	295.96	3,096.61	61.58	-126.46	140.66	0.00	0.00	0.00
3,200.00	2.78	295.96	3,196.49	63.71	-130.83	145.52	0.00	0.00	0.00
3,300.00	2.78	295.96	3,296.37	65.84	-135.20	150.37	0.00	0.00	0.00
<b>9 5/8" Intermediate Casing</b>									

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<b>Company:</b>	Terra Energy Partners, LLP	<b>TVD Reference:</b>	KB=30' @ 6633.00usft (H&P #329)
<b>Project:</b>	Rio Blanco County, CO	<b>MD Reference:</b>	KB=30' @ 6633.00usft (H&P #329)
<b>Site:</b>	RGU 23-7-297 Pad	<b>North Reference:</b>	True
<b>Well:</b>	RG 313-7-297	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan 3		

Planned 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)
3,306.64	2.78	295.96	3,303.00	65.98	-135.49	150.70	0.00	0.00	0.00
3,400.00	2.78	295.96	3,396.25	67.96	-139.56	155.23	0.00	0.00	0.00
3,500.00	2.78	295.96	3,496.14	70.09	-143.93	160.09	0.00	0.00	0.00
3,600.00	2.78	295.96	3,596.02	72.22	-148.30	164.95	0.00	0.00	0.00
3,700.00	2.78	295.96	3,695.90	74.34	-152.67	169.81	0.00	0.00	0.00
3,800.00	2.78	295.96	3,795.78	76.47	-157.04	174.66	0.00	0.00	0.00
3,900.00	2.78	295.96	3,895.66	78.60	-161.40	179.52	0.00	0.00	0.00
4,000.00	2.78	295.96	3,995.55	80.72	-165.77	184.38	0.00	0.00	0.00
4,100.00	2.78	295.96	4,095.43	82.85	-170.14	189.24	0.00	0.00	0.00
4,200.00	2.78	295.96	4,195.31	84.98	-174.51	194.10	0.00	0.00	0.00
4,300.00	2.78	295.96	4,295.19	87.10	-178.87	198.95	0.00	0.00	0.00
4,400.00	2.78	295.96	4,395.07	89.23	-183.24	203.81	0.00	0.00	0.00
4,500.00	2.78	295.96	4,494.96	91.36	-187.61	208.67	0.00	0.00	0.00
4,600.00	2.78	295.96	4,594.84	93.49	-191.98	213.53	0.00	0.00	0.00
4,700.00	2.78	295.96	4,694.72	95.61	-196.34	218.39	0.00	0.00	0.00
4,800.00	2.78	295.96	4,794.60	97.74	-200.71	223.24	0.00	0.00	0.00
4,900.00	2.78	295.96	4,894.48	99.87	-205.08	228.10	0.00	0.00	0.00
5,000.00	2.78	295.96	4,994.37	101.99	-209.45	232.96	0.00	0.00	0.00
5,100.00	2.78	295.96	5,094.25	104.12	-213.82	237.82	0.00	0.00	0.00
<b>G_SAND</b>									
5,118.77	2.78	295.96	5,113.00	104.52	-214.64	238.73	0.00	0.00	0.00
5,200.00	2.78	295.96	5,194.13	106.25	-218.18	242.68	0.00	0.00	0.00
5,300.00	2.78	295.96	5,294.01	108.37	-222.55	247.54	0.00	0.00	0.00
5,400.00	2.78	295.96	5,393.89	110.50	-226.92	252.39	0.00	0.00	0.00
<b>FRUN</b>									
5,449.17	2.78	295.96	5,443.00	111.55	-229.07	254.78	0.00	0.00	0.00
5,500.00	2.78	295.96	5,493.78	112.63	-231.29	257.25	0.00	0.00	0.00
5,600.00	2.78	295.96	5,593.66	114.75	-235.65	262.11	0.00	0.00	0.00
5,700.00	2.78	295.96	5,693.54	116.88	-240.02	266.97	0.00	0.00	0.00
5,800.00	2.78	295.96	5,793.42	119.01	-244.39	271.83	0.00	0.00	0.00
5,900.00	2.78	295.96	5,893.30	121.14	-248.76	276.68	0.00	0.00	0.00
6,000.00	2.78	295.96	5,993.18	123.26	-253.12	281.54	0.00	0.00	0.00
6,100.00	2.78	295.96	6,093.07	125.39	-257.49	286.40	0.00	0.00	0.00
6,200.00	2.78	295.96	6,192.95	127.52	-261.86	291.26	0.00	0.00	0.00
6,300.00	2.78	295.96	6,292.83	129.64	-266.23	296.12	0.00	0.00	0.00
6,400.00	2.78	295.96	6,392.71	131.77	-270.59	300.97	0.00	0.00	0.00
6,500.00	2.78	295.96	6,492.59	133.90	-274.96	305.83	0.00	0.00	0.00
6,600.00	2.78	295.96	6,592.48	136.02	-279.33	310.69	0.00	0.00	0.00
6,700.00	2.78	295.96	6,692.36	138.15	-283.70	315.55	0.00	0.00	0.00
<b>MVRD</b>									
6,790.75	2.78	295.96	6,783.00	140.08	-287.66	319.96	0.00	0.00	0.00
6,800.00	2.78	295.96	6,792.24	140.28	-288.07	320.41	0.00	0.00	0.00
6,900.00	2.78	295.96	6,892.12	142.40	-292.43	325.26	0.00	0.00	0.00
7,000.00	2.78	295.96	6,992.00	144.53	-296.80	330.12	0.00	0.00	0.00
7,100.00	2.78	295.96	7,091.89	146.66	-301.17	334.98	0.00	0.00	0.00
7,200.00	2.78	295.96	7,191.77	148.78	-305.54	339.84	0.00	0.00	0.00
7,300.00	2.78	295.96	7,291.65	150.91	-309.90	344.70	0.00	0.00	0.00
7,400.00	2.78	295.96	7,391.53	153.04	-314.27	349.55	0.00	0.00	0.00
7,500.00	2.78	295.96	7,491.41	155.17	-318.64	354.41	0.00	0.00	0.00
7,600.00	2.78	295.96	7,591.30	157.29	-323.01	359.27	0.00	0.00	0.00
7,700.00	2.78	295.96	7,691.18	159.42	-327.37	364.13	0.00	0.00	0.00
7,800.00	2.78	295.96	7,791.06	161.55	-331.74	368.99	0.00	0.00	0.00
<b>Start Drop -1.50</b>									

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<b>Project:</b>	Rio Blanco County, CO	<b>MD Reference:</b>	KB=30' @ 6633.00usft (H&P #329)
<b>Site:</b>	RGU 23-7-297 Pad	<b>North Reference:</b>	True
<b>Well:</b>	RG 313-7-297	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan 3		

Planned 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)
7,866.46	2.78	295.96	7,857.44	162.96	-334.64	372.21	0.00	0.00	0.00
7,900.00	2.28	295.96	7,890.95	163.61	-335.98	373.70	1.50	-1.50	0.00
8,000.00	0.78	295.96	7,990.91	164.78	-338.38	376.37	1.50	-1.50	0.00
<b>Start 3660.00 hold at 8052.09 MD - KMGAS</b>									
8,052.09	0.00	0.00	8,043.00	164.93	-338.70	376.72	1.50	-1.50	0.00
8,100.00	0.00	0.00	8,090.91	164.93	-338.70	376.72	0.00	0.00	0.00
8,200.00	0.00	0.00	8,190.91	164.93	-338.70	376.72	0.00	0.00	0.00
8,300.00	0.00	0.00	8,290.91	164.93	-338.70	376.72	0.00	0.00	0.00
8,400.00	0.00	0.00	8,390.91	164.93	-338.70	376.72	0.00	0.00	0.00
8,500.00	0.00	0.00	8,490.91	164.93	-338.70	376.72	0.00	0.00	0.00
8,600.00	0.00	0.00	8,590.91	164.93	-338.70	376.72	0.00	0.00	0.00
8,700.00	0.00	0.00	8,690.91	164.93	-338.70	376.72	0.00	0.00	0.00
8,800.00	0.00	0.00	8,790.91	164.93	-338.70	376.72	0.00	0.00	0.00
8,900.00	0.00	0.00	8,890.91	164.93	-338.70	376.72	0.00	0.00	0.00
9,000.00	0.00	0.00	8,990.91	164.93	-338.70	376.72	0.00	0.00	0.00
9,100.00	0.00	0.00	9,090.91	164.93	-338.70	376.72	0.00	0.00	0.00
9,200.00	0.00	0.00	9,190.91	164.93	-338.70	376.72	0.00	0.00	0.00
9,300.00	0.00	0.00	9,290.91	164.93	-338.70	376.72	0.00	0.00	0.00
9,400.00	0.00	0.00	9,390.91	164.93	-338.70	376.72	0.00	0.00	0.00
9,500.00	0.00	0.00	9,490.91	164.93	-338.70	376.72	0.00	0.00	0.00
9,600.00	0.00	0.00	9,590.91	164.93	-338.70	376.72	0.00	0.00	0.00
9,700.00	0.00	0.00	9,690.91	164.93	-338.70	376.72	0.00	0.00	0.00
9,800.00	0.00	0.00	9,790.91	164.93	-338.70	376.72	0.00	0.00	0.00
9,900.00	0.00	0.00	9,890.91	164.93	-338.70	376.72	0.00	0.00	0.00
10,000.00	0.00	0.00	9,990.91	164.93	-338.70	376.72	0.00	0.00	0.00
10,100.00	0.00	0.00	10,090.91	164.93	-338.70	376.72	0.00	0.00	0.00
10,200.00	0.00	0.00	10,190.91	164.93	-338.70	376.72	0.00	0.00	0.00
<b>CMEO*</b>									
10,202.09	0.00	0.00	10,193.00	164.93	-338.70	376.72	0.00	0.00	0.00
10,300.00	0.00	0.00	10,290.91	164.93	-338.70	376.72	0.00	0.00	0.00
10,400.00	0.00	0.00	10,390.91	164.93	-338.70	376.72	0.00	0.00	0.00
10,500.00	0.00	0.00	10,490.91	164.93	-338.70	376.72	0.00	0.00	0.00
10,600.00	0.00	0.00	10,590.91	164.93	-338.70	376.72	0.00	0.00	0.00
10,700.00	0.00	0.00	10,690.91	164.93	-338.70	376.72	0.00	0.00	0.00
<b>RLNS</b>									
10,722.09	0.00	0.00	10,713.00	164.93	-338.70	376.72	0.00	0.00	0.00
10,800.00	0.00	0.00	10,790.91	164.93	-338.70	376.72	0.00	0.00	0.00
<b>CZZT</b>									
10,872.09	0.00	0.00	10,863.00	164.93	-338.70	376.72	0.00	0.00	0.00
10,900.00	0.00	0.00	10,890.91	164.93	-338.70	376.72	0.00	0.00	0.00
11,000.00	0.00	0.00	10,990.91	164.93	-338.70	376.72	0.00	0.00	0.00
<b>CRCN</b>									
11,092.09	0.00	0.00	11,083.00	164.93	-338.70	376.72	0.00	0.00	0.00
11,100.00	0.00	0.00	11,090.91	164.93	-338.70	376.72	0.00	0.00	0.00
11,200.00	0.00	0.00	11,190.91	164.93	-338.70	376.72	0.00	0.00	0.00
11,300.00	0.00	0.00	11,290.91	164.93	-338.70	376.72	0.00	0.00	0.00
11,400.00	0.00	0.00	11,390.91	164.93	-338.70	376.72	0.00	0.00	0.00
<b>SEGO_UPPER</b>									
11,442.09	0.00	0.00	11,433.00	164.93	-338.70	376.72	0.00	0.00	0.00
11,500.00	0.00	0.00	11,490.91	164.93	-338.70	376.72	0.00	0.00	0.00
11,600.00	0.00	0.00	11,590.91	164.93	-338.70	376.72	0.00	0.00	0.00
<b>SEGO_LOWER</b>									
11,612.09	0.00	0.00	11,603.00	164.93	-338.70	376.72	0.00	0.00	0.00

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well RG 313-7-297 - Slot RG 313-7-297
<b>Company:</b>	Terra Energy Partners, LLP	<b>TVD Reference:</b>	KB=30' @ 6633.00usft (H&P #329)
<b>Project:</b>	Rio Blanco County, CO	<b>MD Reference:</b>	KB=30' @ 6633.00usft (H&P #329)
<b>Site:</b>	RGU 23-7-297 Pad	<b>North Reference:</b>	True
<b>Well:</b>	RG 313-7-297	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan 3		

Planned 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)
11,700.00	0.00	0.00	11,690.91	164.93	-338.70	376.72	0.00	0.00	0.00
TD at 11712.09 - TD									
11,712.09	0.00	0.00	11,703.00	164.93	-338.70	376.72	0.00	0.00	0.00

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
RG 313-7-297 - KMV G&S	0.00	0.00	8,043.00	164.93	-338.70	1,761,064.70	2,205,879.40	39.888975	-108.330289
- plan hits target center									
- Circle (radius 50.00)									
RG 313-7-297 - PBHL	0.00	0.00	11,703.00	164.93	-338.70	1,761,064.70	2,205,879.40	39.888975	-108.330289
- plan hits target center									
- Point									

Casing Points						Casing Diameter (")	Hole Diameter (")
Measured Depth (usft)	Vertical Depth (usft)	Name					
1,404.39	1,403.00	13 3/8" Surface Casing				13-3/8	17-1/2
3,306.64	3,303.00	9 5/8" Intermediate Casing				9-5/8	12-1/4

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
928.83	928.00	GRRV				
1,084.01	1,083.00	GRRV_A_GROOVE				
1,274.24	1,273.00	GRRV_B_GROOVE				
1,604.63	1,603.00	GRRV_DISSOLUTION_SURF				
2,575.77	2,573.00	GRRV_ORANGE				
2,806.04	2,803.00	WSTC				
5,118.77	5,113.00	G_SAND				
5,449.17	5,443.00	FRUN				
6,790.75	6,783.00	MVRD				
8,052.09	8,043.00	KMVGAS				
10,202.09	10,193.00	CMEO*				
10,722.09	10,713.00	RLNS				
10,872.09	10,863.00	CZZT				
11,092.09	11,083.00	CRCN				
11,442.09	11,433.00	SEGO_UPPER				
11,612.09	11,603.00	SEGO_LOWER				
11,712.09	11,703.00	TD				

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well RG 313-7-297 - Slot RG 313-7-297
<b>Company:</b>	Terra Energy Partners, LLP	<b>TVD Reference:</b>	KB=30' @ 6633.00usft (H&P #329)
<b>Project:</b>	Rio Blanco County, CO	<b>MD Reference:</b>	KB=30' @ 6633.00usft (H&P #329)
<b>Site:</b>	RGU 23-7-297 Pad	<b>North Reference:</b>	True
<b>Well:</b>	RG 313-7-297	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan 3		

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
135.00	135.00	0.00	0.00	Start Build 2.00
274.23	274.17	1.48	-3.04	Start 7592.23 hold at 274.23 MD
7,866.46	7,857.44	162.96	-334.64	Start Drop -1.50
8,052.09	8,043.00	164.93	-338.70	Start 3660.00 hold at 8052.09 MD
11,712.09	11,703.00	164.93	-338.70	TD at 11712.09