

## PROJECT DETAILS: Garfield County, CO (Nad 83)

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

## REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well WMC 314-18-793 - Slot (B14) WMC 314-18-793, True North  
 Vertical (TVD) Reference: KB=30' @ 8037.00usft (H&P #329)  
 Section (VS) Reference: Slot - (B14) WMC 314-18-793(0.00N, 0.00E)  
 Measured Depth Reference: KB=30' @ 8037.00usft (H&P #329)  
 Calculation Method: Minimum Curvature

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

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
WMC 314-18-793 - VP	7061.00	263.91	2060.71	1592205.40	2344336.90	39.436368	-107.821681	Circle (Radius: 50.00)
WMC 314-18-793 - PBHL	10381.00	263.91	2060.71	1592205.40	2344336.90	39.436368	-107.821681	Point

## ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Departure	Annotation
120.00	0.00	0.00	120.00	0.00	0.00	0.00	0.00	Start Build 3.00
286.67	5.00	35.00	286.46	5.95	4.17	4.89	7.27	Start DLS 3.00 TFO 58.02
998.81	24.37	83.50	973.50	48.50	169.86	174.64	180.80	Start 3787.99 hold at 998.81 MD
4786.80	24.37	83.50	4424.07	225.40	1722.65	1737.33	1743.63	Start Drop -1.50
6411.26	0.00	0.00	6000.00	263.91	2060.71	2077.54	2083.88	Start 4381.00 hold at 6411.26 MD
10792.26	0.00	0.00	10381.00	263.91	2060.71	2077.54	2083.88	TD at 10792.26

## CASING DETAILS

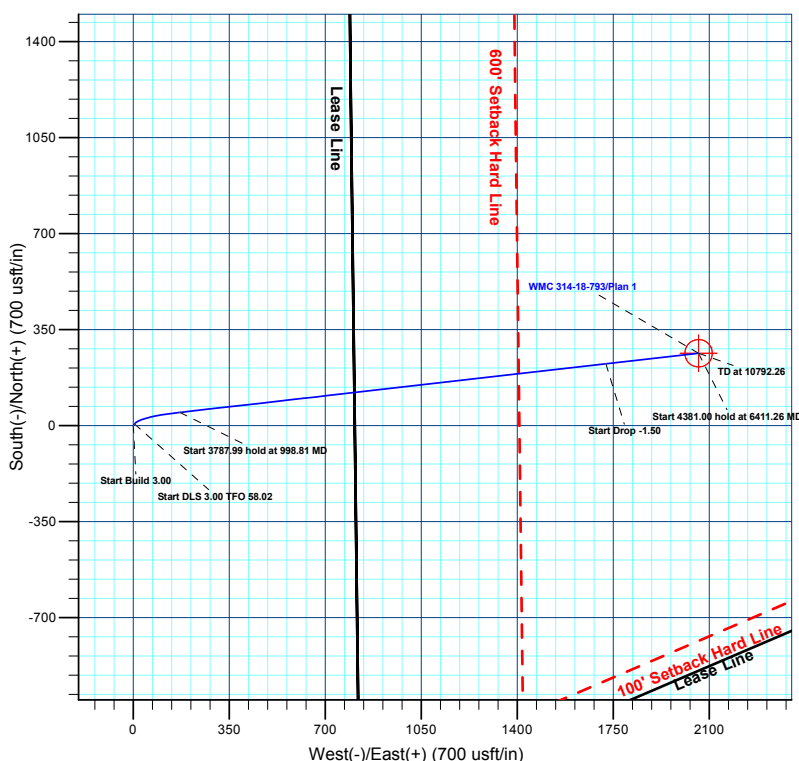
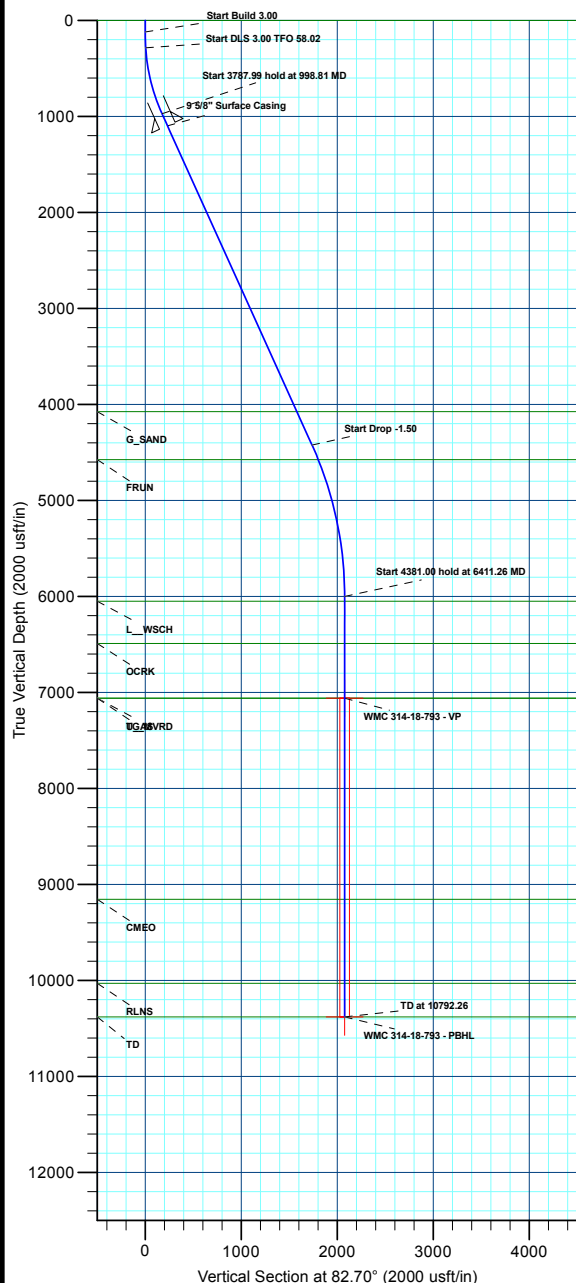
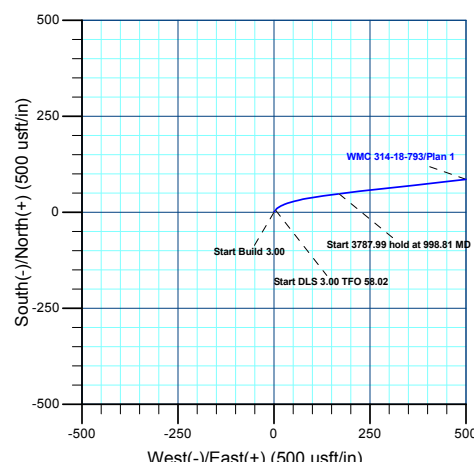
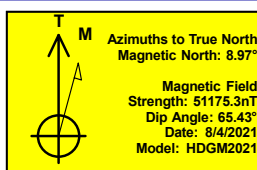
TVD	MD	Name	Size
1100.00	1137.67	9 5/8" Surface Casing	9-5/8

## WELL DETAILS: WMC 314-18-793

+N/-S	+E/-W	Northing	Ground Elev:	8007.00	Latitude	Longitude	Slot
0.00	0.00	1591994.40	Easting	2342270.10	39.435644	-107.828977	(B14) WMC 314-18-793

## FORMATION TOP DETAILS

TVDPath	MDPath	Formation
0.00	0.00	U_WSCH
4076.00	4404.69	G_SAND
4576.00	4952.02	FRUN
6051.00	6462.26	L_WSCH
6491.00	6902.26	OCRK
7061.00	7472.26	TGAS
7061.00	7472.26	U_MVRD
9157.00	9568.26	CMEO
10031.00	10442.26	RLNS
10381.00	10792.26	TD





## **Terra Energy Partners, LLP**

**Garfield County, CO (Nad 83)**

**S. Leverich 13-09 Pad**

**WMC 314-18-793 - Slot (B14) WMC 314-18-793**

**Wellbore #1**

**Plan: Plan 1**

## **KLX Well Planning Report**

**15 February, 2022**



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well WMC 314-18-793 - Slot (B14) WMC 314-18-793
<b>Company:</b>	Terra Energy Partners, LLP	<b>TVD Reference:</b>	KB=30' @ 8037.00usft (H&P #329)
<b>Project:</b>	Garfield County, CO (Nad 83)	<b>MD Reference:</b>	KB=30' @ 8037.00usft (H&P #329)
<b>Site:</b>	S. Leverich 13-09 Pad	<b>North Reference:</b>	True
<b>Well:</b>	WMC 314-18-793	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan 1		

<b>Project</b>	Garfield County, CO (Nad 83)		
<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>	S. Leverich 13-09 Pad			
<b>Site Position:</b>		<b>Northing:</b>	1,591,962.80 usft	<b>Latitude:</b> 39.435551
<b>From:</b> Map		<b>Easting:</b>	2,342,185.30 usft	<b>Longitude:</b> -107.829274
<b>Position Uncertainty:</b>	0.00 usft	<b>Slot Radius:</b>	13-3/16 "	<b>Grid Convergence:</b> -1.47 °

<b>Well</b>	WMC 314-18-793 - Slot (B14) WMC 314-18-793			
<b>Well Position</b>	<b>+N/-S</b>	33.76 usft	<b>Northing:</b>	1,591,994.40 usft
	<b>+E/-W</b>	83.96 usft	<b>Easting:</b>	2,342,270.10 usft
<b>Position Uncertainty</b>		0.00 usft	<b>Wellhead Elevation:</b>	<b>Ground Level:</b> 8,007.00 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>
	HDGM2021	8/4/2021	8.97	65.43	51,175.30000000

<b>Design</b>	Plan 1			
<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	82.70

<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	
120.00	0.00	0.00	120.00	0.00	0.00	0.00	0.00	0.00	0.00	
286.67	5.00	35.00	286.46	5.95	4.17	3.00	3.00	0.00	35.00	
998.81	24.37	83.50	973.50	48.50	169.86	3.00	2.72	6.81	58.02	
4,786.80	24.37	83.50	4,424.07	225.40	1,722.65	0.00	0.00	0.00	0.00	
6,411.26	0.00	0.00	6,000.00	263.91	2,060.71	1.50	-1.50	0.00	180.00	
10,792.26	0.00	0.00	10,381.00	263.91	2,060.71	0.00	0.00	0.00	0.00	WMC 314-18-793 - PI

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well WMC 314-18-793 - Slot (B14) WMC 314-18-793
<b>Company:</b>	Terra Energy Partners, LLP	<b>TVD Reference:</b>	KB=30' @ 8037.00usft (H&P #329)
<b>Project:</b>	Garfield County, CO (Nad 83)	<b>MD Reference:</b>	KB=30' @ 8037.00usft (H&P #329)
<b>Site:</b>	S. Leverich 13-09 Pad	<b>North Reference:</b>	True
<b>Well:</b>	WMC 314-18-793	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan 1		

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)
<b>U_WSCH</b>									
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 3.00</b>									
120.00	0.00	0.00	120.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	2.40	35.00	199.98	1.37	0.96	1.13	3.00	3.00	0.00
<b>Start DLS 3.00 TFO 58.02</b>									
286.67	5.00	35.00	286.46	5.95	4.17	4.89	3.00	3.00	0.00
300.00	5.22	38.73	299.74	6.90	4.88	5.72	3.00	1.67	27.97
400.00	7.39	58.04	399.14	13.86	13.18	14.84	3.00	2.16	19.31
500.00	9.99	68.03	497.99	20.51	26.68	29.07	3.00	2.60	9.99
600.00	12.77	73.82	596.01	26.83	45.34	48.38	3.00	2.78	5.79
700.00	15.63	77.55	692.95	32.81	69.11	72.72	3.00	2.86	3.73
800.00	18.53	80.14	788.53	38.44	97.92	102.01	3.00	2.90	2.59
900.00	21.46	82.05	882.50	43.69	131.70	136.18	3.00	2.93	1.91
<b>Start 3787.99 hold at 998.81 MD</b>									
998.81	24.37	83.50	973.50	48.50	169.86	174.64	3.00	2.95	1.47
1,000.00	24.37	83.50	974.59	48.55	170.34	175.13	0.00	0.00	0.00
1,100.00	24.37	83.50	1,065.68	53.22	211.34	216.38	0.00	0.00	0.00
<b>9 5/8" Surface Casing</b>									
1,137.68	24.37	83.50	1,100.00	54.98	226.78	231.93	0.00	0.00	0.00
1,200.00	24.37	83.50	1,156.77	57.89	252.33	257.64	0.00	0.00	0.00
1,300.00	24.37	83.50	1,247.87	62.56	293.32	298.89	0.00	0.00	0.00
1,400.00	24.37	83.50	1,338.96	67.23	334.31	340.15	0.00	0.00	0.00
1,500.00	24.37	83.50	1,430.05	71.90	375.31	381.40	0.00	0.00	0.00
1,600.00	24.37	83.50	1,521.14	76.57	416.30	422.65	0.00	0.00	0.00
1,700.00	24.37	83.50	1,612.23	81.24	457.29	463.91	0.00	0.00	0.00
1,800.00	24.37	83.50	1,703.33	85.91	498.28	505.16	0.00	0.00	0.00
1,900.00	24.37	83.50	1,794.42	90.58	539.28	546.41	0.00	0.00	0.00
2,000.00	24.37	83.50	1,885.51	95.25	580.27	587.67	0.00	0.00	0.00
2,100.00	24.37	83.50	1,976.60	99.92	621.26	628.92	0.00	0.00	0.00
2,200.00	24.37	83.50	2,067.70	104.59	662.25	670.18	0.00	0.00	0.00
2,300.00	24.37	83.50	2,158.79	109.26	703.25	711.43	0.00	0.00	0.00
2,400.00	24.37	83.50	2,249.88	113.93	744.24	752.68	0.00	0.00	0.00
2,500.00	24.37	83.50	2,340.97	118.60	785.23	793.94	0.00	0.00	0.00
2,600.00	24.37	83.50	2,432.07	123.27	826.22	835.19	0.00	0.00	0.00
2,700.00	24.37	83.50	2,523.16	127.94	867.22	876.44	0.00	0.00	0.00
2,800.00	24.37	83.50	2,614.25	132.61	908.21	917.70	0.00	0.00	0.00
2,900.00	24.37	83.50	2,705.34	137.28	949.20	958.95	0.00	0.00	0.00
3,000.00	24.37	83.50	2,796.43	141.95	990.19	1,000.20	0.00	0.00	0.00
3,100.00	24.37	83.50	2,887.53	146.62	1,031.19	1,041.46	0.00	0.00	0.00
3,200.00	24.37	83.50	2,978.62	151.29	1,072.18	1,082.71	0.00	0.00	0.00
3,300.00	24.37	83.50	3,069.71	155.96	1,113.17	1,123.97	0.00	0.00	0.00
3,400.00	24.37	83.50	3,160.80	160.63	1,154.16	1,165.22	0.00	0.00	0.00
3,500.00	24.37	83.50	3,251.90	165.30	1,195.16	1,206.47	0.00	0.00	0.00
3,600.00	24.37	83.50	3,342.99	169.97	1,236.15	1,247.73	0.00	0.00	0.00
3,700.00	24.37	83.50	3,434.08	174.64	1,277.14	1,288.98	0.00	0.00	0.00
3,800.00	24.37	83.50	3,525.17	179.31	1,318.13	1,330.23	0.00	0.00	0.00
3,900.00	24.37	83.50	3,616.26	183.98	1,359.13	1,371.49	0.00	0.00	0.00
4,000.00	24.37	83.50	3,707.36	188.65	1,400.12	1,412.74	0.00	0.00	0.00
4,100.00	24.37	83.50	3,798.45	193.32	1,441.11	1,454.00	0.00	0.00	0.00
4,200.00	24.37	83.50	3,889.54	197.99	1,482.10	1,495.25	0.00	0.00	0.00

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well WMC 314-18-793 - Slot (B14) WMC 314-18-793
<b>Company:</b>	Terra Energy Partners, LLP	<b>TVD Reference:</b>	KB=30' @ 8037.00usft (H&P #329)
<b>Project:</b>	Garfield County, CO (Nad 83)	<b>MD Reference:</b>	KB=30' @ 8037.00usft (H&P #329)
<b>Site:</b>	S. Leverich 13-09 Pad	<b>North Reference:</b>	True
<b>Well:</b>	WMC 314-18-793	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan 1		

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)	
4,300.00	24.37	83.50	3,980.63	202.66	1,523.10	1,536.50	0.00	0.00	0.00	
4,400.00	24.37	83.50	4,071.73	207.33	1,564.09	1,577.76	0.00	0.00	0.00	
<b>G_SAND</b>										
4,404.69	24.37	83.50	4,076.00	207.55	1,566.01	1,579.69	0.00	0.00	0.00	
4,500.00	24.37	83.50	4,162.82	212.00	1,605.08	1,619.01	0.00	0.00	0.00	
4,600.00	24.37	83.50	4,253.91	216.67	1,646.07	1,660.26	0.00	0.00	0.00	
4,700.00	24.37	83.50	4,345.00	221.34	1,687.07	1,701.52	0.00	0.00	0.00	
<b>Start Drop -1.50</b>										
4,786.80	24.37	83.50	4,424.07	225.40	1,722.65	1,737.33	0.00	0.00	0.00	
4,800.00	24.17	83.50	4,436.10	226.01	1,728.04	1,742.75	1.50	-1.50	0.00	
4,900.00	22.67	83.50	4,527.86	230.51	1,767.53	1,782.49	1.50	-1.50	0.00	
<b>FRUN</b>										
4,952.02	21.89	83.50	4,576.00	232.74	1,787.12	1,802.21	1.50	-1.50	0.00	
5,000.00	21.17	83.50	4,620.63	234.73	1,804.62	1,819.81	1.50	-1.50	0.00	
5,100.00	19.67	83.50	4,714.35	238.68	1,839.28	1,854.70	1.50	-1.50	0.00	
5,200.00	18.17	83.50	4,808.94	242.35	1,871.49	1,887.12	1.50	-1.50	0.00	
5,300.00	16.67	83.50	4,904.35	245.74	1,901.23	1,917.05	1.50	-1.50	0.00	
5,400.00	15.17	83.50	5,000.52	248.85	1,928.48	1,944.47	1.50	-1.50	0.00	
5,500.00	13.67	83.50	5,097.36	251.66	1,953.22	1,969.37	1.50	-1.50	0.00	
5,600.00	12.17	83.50	5,194.83	254.20	1,975.44	1,991.72	1.50	-1.50	0.00	
5,700.00	10.67	83.50	5,292.85	256.44	1,995.11	2,011.52	1.50	-1.50	0.00	
5,800.00	9.17	83.50	5,391.35	258.39	2,012.22	2,028.74	1.50	-1.50	0.00	
5,900.00	7.67	83.50	5,490.27	260.04	2,026.77	2,043.38	1.50	-1.50	0.00	
6,000.00	6.17	83.50	5,589.54	261.41	2,038.74	2,055.43	1.50	-1.50	0.00	
6,100.00	4.67	83.50	5,689.09	262.48	2,048.12	2,064.87	1.50	-1.50	0.00	
6,200.00	3.17	83.50	5,788.85	263.25	2,054.91	2,071.70	1.50	-1.50	0.00	
6,300.00	1.67	83.50	5,888.76	263.73	2,059.10	2,075.92	1.50	-1.50	0.00	
6,400.00	0.17	83.50	5,988.74	263.91	2,060.70	2,077.53	1.50	-1.50	0.00	
<b>Start 4381.00 hold at 6411.26 MD</b>										
6,411.26	0.00	0.00	6,000.00	263.91	2,060.71	2,077.54	1.50	-1.50	0.00	
<b>L_WSCH</b>										
6,462.26	0.00	0.00	6,051.00	263.91	2,060.71	2,077.54	0.00	0.00	0.00	
6,500.00	0.00	0.00	6,088.74	263.91	2,060.71	2,077.54	0.00	0.00	0.00	
6,600.00	0.00	0.00	6,188.74	263.91	2,060.71	2,077.54	0.00	0.00	0.00	
6,700.00	0.00	0.00	6,288.74	263.91	2,060.71	2,077.54	0.00	0.00	0.00	
6,800.00	0.00	0.00	6,388.74	263.91	2,060.71	2,077.54	0.00	0.00	0.00	
6,900.00	0.00	0.00	6,488.74	263.91	2,060.71	2,077.54	0.00	0.00	0.00	
<b>OCRK</b>										
6,902.26	0.00	0.00	6,491.00	263.91	2,060.71	2,077.54	0.00	0.00	0.00	
7,000.00	0.00	0.00	6,588.74	263.91	2,060.71	2,077.54	0.00	0.00	0.00	
7,100.00	0.00	0.00	6,688.74	263.91	2,060.71	2,077.54	0.00	0.00	0.00	
7,200.00	0.00	0.00	6,788.74	263.91	2,060.71	2,077.54	0.00	0.00	0.00	
7,300.00	0.00	0.00	6,888.74	263.91	2,060.71	2,077.54	0.00	0.00	0.00	
7,400.00	0.00	0.00	6,988.74	263.91	2,060.71	2,077.54	0.00	0.00	0.00	
<b>U_MVRD - TGAS</b>										
7,472.26	0.00	0.00	7,061.00	263.91	2,060.71	2,077.54	0.00	0.00	0.00	
7,500.00	0.00	0.00	7,088.74	263.91	2,060.71	2,077.54	0.00	0.00	0.00	
7,600.00	0.00	0.00	7,188.74	263.91	2,060.71	2,077.54	0.00	0.00	0.00	
7,700.00	0.00	0.00	7,288.74	263.91	2,060.71	2,077.54	0.00	0.00	0.00	
7,800.00	0.00	0.00	7,388.74	263.91	2,060.71	2,077.54	0.00	0.00	0.00	
7,900.00	0.00	0.00	7,488.74	263.91	2,060.71	2,077.54	0.00	0.00	0.00	
8,000.00	0.00	0.00	7,588.74	263.91	2,060.71	2,077.54	0.00	0.00	0.00	

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well WMC 314-18-793 - Slot (B14) WMC 314-18-793
<b>Company:</b>	Terra Energy Partners, LLP	<b>TVD Reference:</b>	KB=30' @ 8037.00usft (H&P #329)
<b>Project:</b>	Garfield County, CO (Nad 83)	<b>MD Reference:</b>	KB=30' @ 8037.00usft (H&P #329)
<b>Site:</b>	S. Leverich 13-09 Pad	<b>North Reference:</b>	True
<b>Well:</b>	WMC 314-18-793	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan 1		

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)	
8,100.00	0.00	0.00	7,688.74	263.91	2,060.71	2,077.54	0.00	0.00	0.00	
8,200.00	0.00	0.00	7,788.74	263.91	2,060.71	2,077.54	0.00	0.00	0.00	
8,300.00	0.00	0.00	7,888.74	263.91	2,060.71	2,077.54	0.00	0.00	0.00	
8,400.00	0.00	0.00	7,988.74	263.91	2,060.71	2,077.54	0.00	0.00	0.00	
8,500.00	0.00	0.00	8,088.74	263.91	2,060.71	2,077.54	0.00	0.00	0.00	
8,600.00	0.00	0.00	8,188.74	263.91	2,060.71	2,077.54	0.00	0.00	0.00	
8,700.00	0.00	0.00	8,288.74	263.91	2,060.71	2,077.54	0.00	0.00	0.00	
8,800.00	0.00	0.00	8,388.74	263.91	2,060.71	2,077.54	0.00	0.00	0.00	
8,900.00	0.00	0.00	8,488.74	263.91	2,060.71	2,077.54	0.00	0.00	0.00	
9,000.00	0.00	0.00	8,588.74	263.91	2,060.71	2,077.54	0.00	0.00	0.00	
9,100.00	0.00	0.00	8,688.74	263.91	2,060.71	2,077.54	0.00	0.00	0.00	
9,200.00	0.00	0.00	8,788.74	263.91	2,060.71	2,077.54	0.00	0.00	0.00	
9,300.00	0.00	0.00	8,888.74	263.91	2,060.71	2,077.54	0.00	0.00	0.00	
9,400.00	0.00	0.00	8,988.74	263.91	2,060.71	2,077.54	0.00	0.00	0.00	
9,500.00	0.00	0.00	9,088.74	263.91	2,060.71	2,077.54	0.00	0.00	0.00	
CME0										
9,568.26	0.00	0.00	9,157.00	263.91	2,060.71	2,077.54	0.00	0.00	0.00	
9,600.00	0.00	0.00	9,188.74	263.91	2,060.71	2,077.54	0.00	0.00	0.00	
9,700.00	0.00	0.00	9,288.74	263.91	2,060.71	2,077.54	0.00	0.00	0.00	
9,800.00	0.00	0.00	9,388.74	263.91	2,060.71	2,077.54	0.00	0.00	0.00	
9,900.00	0.00	0.00	9,488.74	263.91	2,060.71	2,077.54	0.00	0.00	0.00	
10,000.00	0.00	0.00	9,588.74	263.91	2,060.71	2,077.54	0.00	0.00	0.00	
10,100.00	0.00	0.00	9,688.74	263.91	2,060.71	2,077.54	0.00	0.00	0.00	
10,200.00	0.00	0.00	9,788.74	263.91	2,060.71	2,077.54	0.00	0.00	0.00	
10,300.00	0.00	0.00	9,888.74	263.91	2,060.71	2,077.54	0.00	0.00	0.00	
10,400.00	0.00	0.00	9,988.74	263.91	2,060.71	2,077.54	0.00	0.00	0.00	
RLNS										
10,442.26	0.00	0.00	10,031.00	263.91	2,060.71	2,077.54	0.00	0.00	0.00	
10,500.00	0.00	0.00	10,088.74	263.91	2,060.71	2,077.54	0.00	0.00	0.00	
10,600.00	0.00	0.00	10,188.74	263.91	2,060.71	2,077.54	0.00	0.00	0.00	
10,700.00	0.00	0.00	10,288.74	263.91	2,060.71	2,077.54	0.00	0.00	0.00	
TD at 10792.26 - TD										
10,792.26	0.00	0.00	10,381.00	263.91	2,060.71	2,077.54	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
WMC 314-18-793 - VP - hit/miss target - Shape	0.00	0.00	7,061.00	263.91	2,060.71	1,592,205.40	2,344,336.90	39.436368	-107.821681
WMC 314-18-793 - PBH - plan hits target center - Circle (radius 50.00)	0.00	0.00	10,381.00	263.91	2,060.71	1,592,205.40	2,344,336.90	39.436368	-107.821681
WMC 314-18-793 - PBH - plan hits target center - Point	0.00	0.00	10,381.00	263.91	2,060.71	1,592,205.40	2,344,336.90	39.436368	-107.821681

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well WMC 314-18-793 - Slot (B14) WMC 314-18-793
<b>Company:</b>	Terra Energy Partners, LLP	<b>TVD Reference:</b>	KB=30' @ 8037.00usft (H&P #329)
<b>Project:</b>	Garfield County, CO (Nad 83)	<b>MD Reference:</b>	KB=30' @ 8037.00usft (H&P #329)
<b>Site:</b>	S. Leverich 13-09 Pad	<b>North Reference:</b>	True
<b>Well:</b>	WMC 314-18-793	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan 1		

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
1,137.68	1,100.00	9 5/8" Surface Casing	9-5/8	12-1/4	

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
0.00	0.00	U__WSCH		0.00		
4,404.69	4,076.00	G_SAND				
4,952.02	4,576.00	FRUN				
6,462.26	6,051.00	L__WSCH				
6,902.26	6,491.00	OCRK				
7,472.26	7,061.00	U__MVRD				
7,472.26	7,061.00	TGAS				
9,568.26	9,157.00	CME0				
10,442.26	10,031.00	RLNS				
10,792.26	10,381.00	TD		0.00		

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
120.00	120.00	0.00	0.00	Start Build 3.00	
286.67	286.46	5.95	4.17	Start DLS 3.00 TFO 58.02	
998.81	973.50	48.50	169.86	Start 3787.99 hold at 998.81 MD	
4,786.80	4,424.07	225.40	1,722.65	Start Drop -1.50	
6,411.26	6,000.00	263.91	2,060.71	Start 4381.00 hold at 6411.26 MD	
10,792.26	10,381.00	263.91	2,060.71	TD at 10792.26	