

## 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 423-18-793 - Slot (B12) WMC 423-18-793, True North  
 Vertical (TVD) Reference: KB=30' @ 8037.00usft (H&P #329)  
 Section (VS) Reference: Slot - (B12) WMC 423-18-793(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 423-18-793 - VP	7041.00	1191.65	2382.04	1593121.00	2344667.40	39.438905	-107.820594	Circle (Radius: 50.00)
WMC 423-18-793 - PBHL	10331.00	1191.65	2382.04	1593121.00	2344667.40	39.438905	-107.820594	Point

## ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Departure	Annotation
280.00	0.00	0.00	280.00	0.00	0.00	0.00	0.00	Start Build 3.00
446.67	5.00	45.00	446.67	5.14	5.14	6.90	7.27	Start DLS 3.00 TFO 22.69
1162.87	26.17	63.69	1132.66	98.30	170.71	196.65	197.63	Start 4706.22 hold at 1162.87 MD
5869.09	26.17	63.69	5356.55	1018.15	2031.12	2272.01	2273.01	Start Drop -1.50
7613.55	0.00	0.00	7041.00	1191.65	2382.04	2663.48	2664.48	Start 3290.00 hold at 7613.55 MD
10903.55	0.00	0.00	10331.00	1191.65	2382.04	2663.48	2664.48	TD at 10903.55

## CASING DETAILS

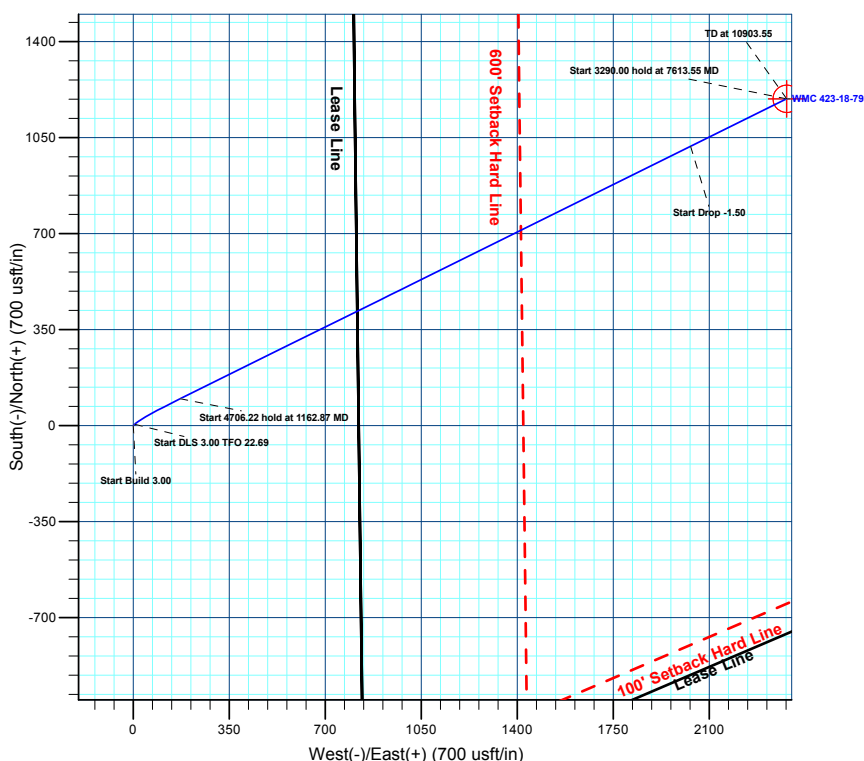
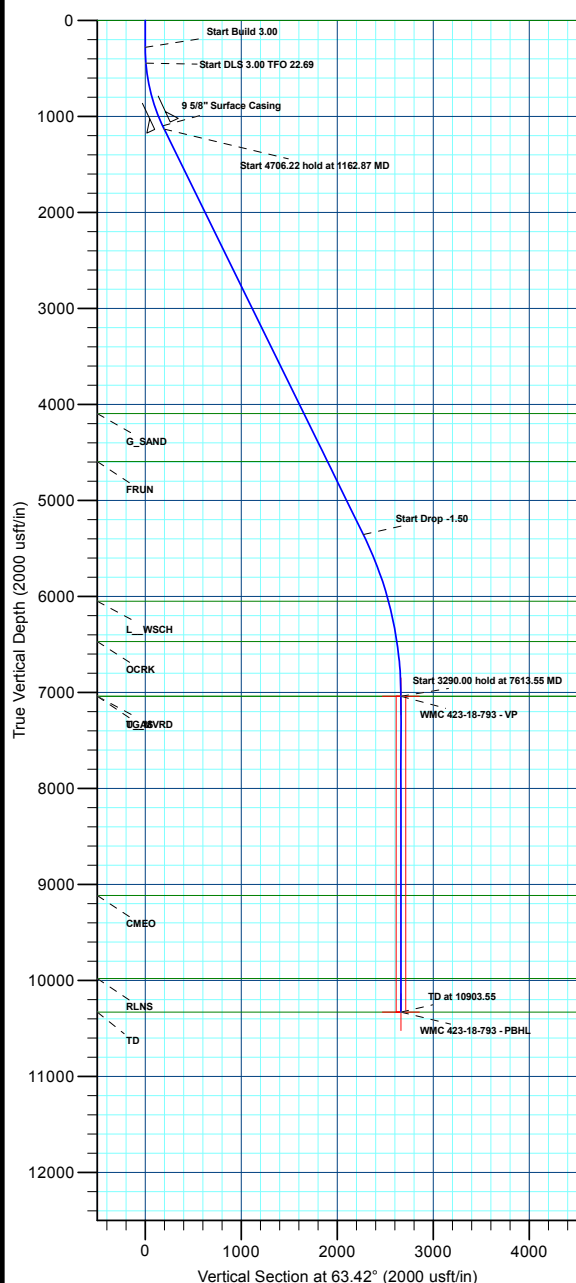
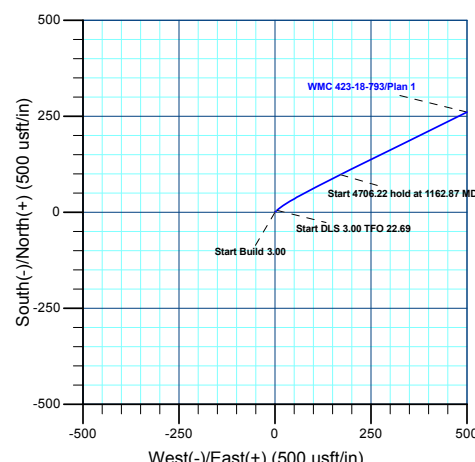
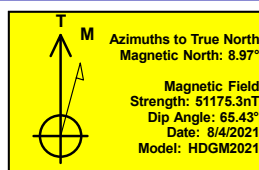
TVD	MD	Name	Size
1100.00	1126.65	9 5/8" Surface Casing	9-5/8

## WELL DETAILS: WMC 423-18-793

+N/-S	+E/-W	Northing	Ground Elev:	8007.00	Latitude	Longitude	Slot
0.00	0.00	1591990.80	Easting	2342255.60	39.435633	-107.829028	(B12) WMC 423-18-793

## FORMATION TOP DETAILS

TVDPath	MDPath	Formation
0.00	0.00	U_WSCH
4096.00	4464.60	G_SAND
4596.00	5021.69	FRUN
6051.00	6612.12	L_WSCH
6471.00	7041.42	OCRK
7041.00	7613.55	TGAS
7041.00	7613.55	U_MVRD
9117.00	9689.55	CMEO
9981.00	10553.55	RLNS
10331.00	10903.55	TD





## **Terra Energy Partners, LLP**

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

**S. Leverich 13-09 Pad**

**WMC 423-18-793 - Slot (B12) WMC 423-18-793**

**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 423-18-793 - Slot (B12) WMC 423-18-793
<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 423-18-793	<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 423-18-793 - Slot (B12) WMC 423-18-793			
<b>Well Position</b>	<b>+N/-S</b>	29.79 usft	<b>Northing:</b>	1,591,990.80 usft
	<b>+E/-W</b>	69.56 usft	<b>Easting:</b>	2,342,255.60 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	63.42

<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	
280.00	0.00	0.00	280.00	0.00	0.00	0.00	0.00	0.00	0.00	
446.67	5.00	45.00	446.46	5.14	5.14	3.00	3.00	0.00	45.00	
1,162.87	26.17	63.69	1,132.66	98.30	170.71	3.00	2.96	2.61	22.69	
5,869.09	26.17	63.69	5,356.55	1,018.15	2,031.12	0.00	0.00	0.00	0.00	
7,613.55	0.00	0.00	7,041.00	1,191.65	2,382.04	1.50	-1.50	0.00	180.00	WMC 423-18-793 - VI
10,903.55	0.00	0.00	10,331.00	1,191.65	2,382.04	0.00	0.00	0.00	0.00	WMC 423-18-793 - PI

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<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 423-18-793	<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
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Start Build 3.00</b>									
280.00	0.00	0.00	280.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.60	45.00	300.00	0.07	0.07	0.10	3.00	3.00	0.00
400.00	3.60	45.00	399.92	2.66	2.66	3.58	3.00	3.00	0.00
<b>Start DLS 3.00 TFO 22.69</b>									
446.67	5.00	45.00	446.46	5.14	5.14	6.90	3.00	3.00	0.00
500.00	6.51	50.46	499.52	8.71	9.11	12.04	3.00	2.82	10.23
600.00	9.41	55.91	598.55	16.90	20.25	25.67	3.00	2.91	5.45
700.00	12.36	58.79	696.74	27.03	36.19	44.46	3.00	2.95	2.88
800.00	15.33	60.57	793.82	39.08	56.86	68.34	3.00	2.97	1.78
900.00	18.31	61.78	889.53	53.01	82.23	97.25	3.00	2.98	1.21
1,000.00	21.30	62.67	983.60	68.78	112.21	131.12	3.00	2.99	0.88
1,100.00	24.29	63.34	1,075.78	86.35	146.73	169.86	3.00	2.99	0.67
<b>9 5/8" Surface Casing</b>									
1,126.65	25.08	63.50	1,100.00	91.33	156.68	180.99	3.00	2.99	0.58
<b>Start 4706.22 hold at 1162.87 MD</b>									
1,162.87	26.17	63.69	1,132.66	98.30	170.71	196.65	3.00	2.99	0.54
1,200.00	26.17	63.69	1,165.98	105.55	185.39	213.02	0.00	0.00	0.00
1,300.00	26.17	63.69	1,255.73	125.10	224.92	257.12	0.00	0.00	0.00
1,400.00	26.17	63.69	1,345.48	144.64	264.45	301.22	0.00	0.00	0.00
1,500.00	26.17	63.69	1,435.23	164.19	303.98	345.32	0.00	0.00	0.00
1,600.00	26.17	63.69	1,524.99	183.73	343.51	389.42	0.00	0.00	0.00
1,700.00	26.17	63.69	1,614.74	203.28	383.04	433.52	0.00	0.00	0.00
1,800.00	26.17	63.69	1,704.49	222.82	422.57	477.61	0.00	0.00	0.00
1,900.00	26.17	63.69	1,794.24	242.37	462.11	521.71	0.00	0.00	0.00
2,000.00	26.17	63.69	1,883.99	261.92	501.64	565.81	0.00	0.00	0.00
2,100.00	26.17	63.69	1,973.74	281.46	541.17	609.91	0.00	0.00	0.00
2,200.00	26.17	63.69	2,063.49	301.01	580.70	654.01	0.00	0.00	0.00
2,300.00	26.17	63.69	2,153.25	320.55	620.23	698.11	0.00	0.00	0.00
2,400.00	26.17	63.69	2,243.00	340.10	659.76	742.20	0.00	0.00	0.00
2,500.00	26.17	63.69	2,332.75	359.64	699.29	786.30	0.00	0.00	0.00
2,600.00	26.17	63.69	2,422.50	379.19	738.82	830.40	0.00	0.00	0.00
2,700.00	26.17	63.69	2,512.25	398.73	778.35	874.50	0.00	0.00	0.00
2,800.00	26.17	63.69	2,602.00	418.28	817.88	918.60	0.00	0.00	0.00
2,900.00	26.17	63.69	2,691.75	437.82	857.41	962.70	0.00	0.00	0.00
3,000.00	26.17	63.69	2,781.50	457.37	896.94	1,006.79	0.00	0.00	0.00
3,100.00	26.17	63.69	2,871.26	476.92	936.47	1,050.89	0.00	0.00	0.00
3,200.00	26.17	63.69	2,961.01	496.46	976.00	1,094.99	0.00	0.00	0.00
3,300.00	26.17	63.69	3,050.76	516.01	1,015.54	1,139.09	0.00	0.00	0.00
3,400.00	26.17	63.69	3,140.51	535.55	1,055.07	1,183.19	0.00	0.00	0.00
3,500.00	26.17	63.69	3,230.26	555.10	1,094.60	1,227.29	0.00	0.00	0.00
3,600.00	26.17	63.69	3,320.01	574.64	1,134.13	1,271.38	0.00	0.00	0.00
3,700.00	26.17	63.69	3,409.76	594.19	1,173.66	1,315.48	0.00	0.00	0.00
3,800.00	26.17	63.69	3,499.51	613.73	1,213.19	1,359.58	0.00	0.00	0.00
3,900.00	26.17	63.69	3,589.27	633.28	1,252.72	1,403.68	0.00	0.00	0.00
4,000.00	26.17	63.69	3,679.02	652.82	1,292.25	1,447.78	0.00	0.00	0.00
4,100.00	26.17	63.69	3,768.77	672.37	1,331.78	1,491.88	0.00	0.00	0.00
4,200.00	26.17	63.69	3,858.52	691.91	1,371.31	1,535.97	0.00	0.00	0.00

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<b>Well:</b>	WMC 423-18-793	<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	26.17	63.69	3,948.27	711.46	1,410.84	1,580.07	0.00	0.00	0.00
4,400.00	26.17	63.69	4,038.02	731.01	1,450.37	1,624.17	0.00	0.00	0.00
<b>G_SAND</b>									
4,464.60	26.17	63.69	4,096.00	743.63	1,475.91	1,652.66	0.00	0.00	0.00
4,500.00	26.17	63.69	4,127.77	750.55	1,489.90	1,668.27	0.00	0.00	0.00
4,600.00	26.17	63.69	4,217.53	770.10	1,529.44	1,712.37	0.00	0.00	0.00
4,700.00	26.17	63.69	4,307.28	789.64	1,568.97	1,756.47	0.00	0.00	0.00
4,800.00	26.17	63.69	4,397.03	809.19	1,608.50	1,800.56	0.00	0.00	0.00
4,900.00	26.17	63.69	4,486.78	828.73	1,648.03	1,844.66	0.00	0.00	0.00
5,000.00	26.17	63.69	4,576.53	848.28	1,687.56	1,888.76	0.00	0.00	0.00
<b>FRUN</b>									
5,021.69	26.17	63.69	4,596.00	852.52	1,696.13	1,898.33	0.00	0.00	0.00
5,100.00	26.17	63.69	4,666.28	867.82	1,727.09	1,932.86	0.00	0.00	0.00
5,200.00	26.17	63.69	4,756.03	887.37	1,766.62	1,976.96	0.00	0.00	0.00
5,300.00	26.17	63.69	4,845.78	906.91	1,806.15	2,021.05	0.00	0.00	0.00
5,400.00	26.17	63.69	4,935.54	926.46	1,845.68	2,065.15	0.00	0.00	0.00
5,500.00	26.17	63.69	5,025.29	946.01	1,885.21	2,109.25	0.00	0.00	0.00
5,600.00	26.17	63.69	5,115.04	965.55	1,924.74	2,153.35	0.00	0.00	0.00
5,700.00	26.17	63.69	5,204.79	985.10	1,964.27	2,197.45	0.00	0.00	0.00
5,800.00	26.17	63.69	5,294.54	1,004.64	2,003.80	2,241.55	0.00	0.00	0.00
<b>Start Drop -1.50</b>									
5,869.09	26.17	63.69	5,356.55	1,018.15	2,031.12	2,272.01	0.00	0.00	0.00
5,900.00	25.70	63.69	5,384.35	1,024.14	2,043.23	2,285.53	1.50	-1.50	0.00
6,000.00	24.20	63.69	5,475.01	1,042.84	2,081.05	2,327.72	1.50	-1.50	0.00
6,100.00	22.70	63.69	5,566.75	1,060.47	2,116.73	2,367.52	1.50	-1.50	0.00
6,200.00	21.20	63.69	5,659.49	1,077.04	2,150.24	2,404.90	1.50	-1.50	0.00
6,300.00	19.70	63.69	5,753.19	1,092.53	2,181.56	2,439.84	1.50	-1.50	0.00
6,400.00	18.20	63.69	5,847.76	1,106.93	2,210.68	2,472.32	1.50	-1.50	0.00
6,500.00	16.70	63.69	5,943.15	1,120.22	2,237.56	2,502.31	1.50	-1.50	0.00
6,600.00	15.20	63.69	6,039.30	1,132.40	2,262.20	2,529.80	1.50	-1.50	0.00
<b>L_WSCH</b>									
6,612.12	15.02	63.69	6,051.00	1,133.80	2,265.03	2,532.96	1.50	-1.50	0.00
6,700.00	13.70	63.69	6,136.13	1,143.46	2,284.57	2,554.76	1.50	-1.50	0.00
6,800.00	12.20	63.69	6,233.58	1,153.40	2,304.67	2,577.17	1.50	-1.50	0.00
6,900.00	10.70	63.69	6,331.59	1,162.20	2,322.46	2,597.03	1.50	-1.50	0.00
7,000.00	9.20	63.69	6,430.08	1,169.86	2,337.96	2,614.31	1.50	-1.50	0.00
<b>OCRK</b>									
7,041.42	8.58	63.69	6,471.00	1,172.70	2,343.70	2,620.71	1.50	-1.50	0.00
7,100.00	7.70	63.69	6,528.99	1,176.38	2,351.14	2,629.01	1.50	-1.50	0.00
7,200.00	6.20	63.69	6,628.26	1,181.74	2,361.99	2,641.12	1.50	-1.50	0.00
7,300.00	4.70	63.69	6,727.80	1,185.95	2,370.51	2,650.62	1.50	-1.50	0.00
7,400.00	3.20	63.69	6,827.56	1,189.01	2,376.69	2,657.51	1.50	-1.50	0.00
7,500.00	1.70	63.69	6,927.46	1,190.91	2,380.52	2,661.79	1.50	-1.50	0.00
7,600.00	0.20	63.69	7,027.45	1,191.64	2,382.01	2,663.46	1.50	-1.50	0.00
<b>Start 3290.00 hold at 7613.55 MD - U_MVRD - TGAS</b>									
7,613.55	0.00	0.00	7,041.00	1,191.65	2,382.04	2,663.48	1.50	-1.50	0.00
7,700.00	0.00	0.00	7,127.45	1,191.65	2,382.04	2,663.48	0.00	0.00	0.00
7,800.00	0.00	0.00	7,227.45	1,191.65	2,382.04	2,663.48	0.00	0.00	0.00
7,900.00	0.00	0.00	7,327.45	1,191.65	2,382.04	2,663.48	0.00	0.00	0.00
8,000.00	0.00	0.00	7,427.45	1,191.65	2,382.04	2,663.48	0.00	0.00	0.00
8,100.00	0.00	0.00	7,527.45	1,191.65	2,382.04	2,663.48	0.00	0.00	0.00
8,200.00	0.00	0.00	7,627.45	1,191.65	2,382.04	2,663.48	0.00	0.00	0.00

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well WMC 423-18-793 - Slot (B12) WMC 423-18-793
<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 423-18-793	<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)
8,300.00	0.00	0.00	7,727.45	1,191.65	2,382.04	2,663.48	0.00	0.00	0.00
8,400.00	0.00	0.00	7,827.45	1,191.65	2,382.04	2,663.48	0.00	0.00	0.00
8,500.00	0.00	0.00	7,927.45	1,191.65	2,382.04	2,663.48	0.00	0.00	0.00
8,600.00	0.00	0.00	8,027.45	1,191.65	2,382.04	2,663.48	0.00	0.00	0.00
8,700.00	0.00	0.00	8,127.45	1,191.65	2,382.04	2,663.48	0.00	0.00	0.00
8,800.00	0.00	0.00	8,227.45	1,191.65	2,382.04	2,663.48	0.00	0.00	0.00
8,900.00	0.00	0.00	8,327.45	1,191.65	2,382.04	2,663.48	0.00	0.00	0.00
9,000.00	0.00	0.00	8,427.45	1,191.65	2,382.04	2,663.48	0.00	0.00	0.00
9,100.00	0.00	0.00	8,527.45	1,191.65	2,382.04	2,663.48	0.00	0.00	0.00
9,200.00	0.00	0.00	8,627.45	1,191.65	2,382.04	2,663.48	0.00	0.00	0.00
9,300.00	0.00	0.00	8,727.45	1,191.65	2,382.04	2,663.48	0.00	0.00	0.00
9,400.00	0.00	0.00	8,827.45	1,191.65	2,382.04	2,663.48	0.00	0.00	0.00
9,500.00	0.00	0.00	8,927.45	1,191.65	2,382.04	2,663.48	0.00	0.00	0.00
9,600.00	0.00	0.00	9,027.45	1,191.65	2,382.04	2,663.48	0.00	0.00	0.00
<b>CMEO</b>									
9,689.55	0.00	0.00	9,117.00	1,191.65	2,382.04	2,663.48	0.00	0.00	0.00
9,700.00	0.00	0.00	9,127.45	1,191.65	2,382.04	2,663.48	0.00	0.00	0.00
9,800.00	0.00	0.00	9,227.45	1,191.65	2,382.04	2,663.48	0.00	0.00	0.00
9,900.00	0.00	0.00	9,327.45	1,191.65	2,382.04	2,663.48	0.00	0.00	0.00
10,000.00	0.00	0.00	9,427.45	1,191.65	2,382.04	2,663.48	0.00	0.00	0.00
10,100.00	0.00	0.00	9,527.45	1,191.65	2,382.04	2,663.48	0.00	0.00	0.00
10,200.00	0.00	0.00	9,627.45	1,191.65	2,382.04	2,663.48	0.00	0.00	0.00
10,300.00	0.00	0.00	9,727.45	1,191.65	2,382.04	2,663.48	0.00	0.00	0.00
10,400.00	0.00	0.00	9,827.45	1,191.65	2,382.04	2,663.48	0.00	0.00	0.00
10,500.00	0.00	0.00	9,927.45	1,191.65	2,382.04	2,663.48	0.00	0.00	0.00
<b>RLNS</b>									
10,553.55	0.00	0.00	9,981.00	1,191.65	2,382.04	2,663.48	0.00	0.00	0.00
10,600.00	0.00	0.00	10,027.45	1,191.65	2,382.04	2,663.48	0.00	0.00	0.00
10,700.00	0.00	0.00	10,127.45	1,191.65	2,382.04	2,663.48	0.00	0.00	0.00
10,800.00	0.00	0.00	10,227.45	1,191.65	2,382.04	2,663.48	0.00	0.00	0.00
<b>TD at 10903.55 - TD</b>									
10,903.55	0.00	0.00	10,331.00	1,191.65	2,382.04	2,663.48	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									
WMC 423-18-793 - VP	0.00	0.00	7,041.00	1,191.65	2,382.04	1,593,121.00	2,344,667.40	39.438905	-107.820594
- plan hits target center									
- Circle (radius 50.00)									
WMC 423-18-793 - PBH	0.00	0.00	10,331.00	1,191.65	2,382.04	1,593,121.00	2,344,667.40	39.438905	-107.820594
- plan hits target center									
- Point									

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well WMC 423-18-793 - Slot (B12) WMC 423-18-793
<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 423-18-793	<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 (")
1,126.65	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	
4,464.60	4,096.00	G_SAND			
5,021.69	4,596.00	FRUN			
6,612.12	6,051.00	L__WSCH			
7,041.42	6,471.00	OCRK			
7,613.55	7,041.00	U__MVRD			
7,613.55	7,041.00	TGAS			
9,689.55	9,117.00	CMEO			
10,553.55	9,981.00	RLNS			
10,903.55	10,331.00	TD		0.00	

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
280.00	280.00	0.00	0.00	Start Build 3.00
446.67	446.46	5.14	5.14	Start DLS 3.00 TFO 22.69
1,162.87	1,132.66	98.30	170.71	Start 4706.22 hold at 1162.87 MD
5,869.09	5,356.55	1,018.15	2,031.12	Start Drop -1.50
7,613.55	7,041.00	1,191.65	2,382.04	Start 3290.00 hold at 7613.55 MD
10,903.55	10,331.00	1,191.65	2,382.04	TD at 10903.55