

## 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

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

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
WMC 433-19-793 - VP	7568.00	-45.01	2519.47	1588495.60	2346500.00	39.426338	-107.813690	Circle (Radius: 50.00)
WMC 433-19-793 - PBHL	10843.00	-45.01	2519.47	1588495.60	2346500.00	39.426338	-107.813690	Point

## REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well WMC 433-19-793 - Slot WMC 433-19-793, True North  
 Vertical (TVD) Reference: KB @ 8593.00usft  
 Section (VS) Reference: Slot - WMC 433-19-793(0.00N, 0.00E)  
 Measured Depth Reference: KB @ 8593.00usft  
 Calculation Method: Minimum Curvature

## ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSec	Departure	Annotation
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	Start Build 3.00
931.13	21.93	91.02	913.40	-2.47	138.22	138.24	138.24	Start 5635.74 hold at 931.13 MD
6566.87	21.93	91.02	6141.20	-40.07	2243.03	2243.39	2243.39	Start Drop -1.50
8029.12	0.00	0.00	7568.00	-45.01	2519.47	2519.88	2519.88	Start 3275.00 hold at 8029.12 MD
11304.12	0.00	0.00	10843.00	-45.01	2519.47	2519.88	2519.88	TD at 11304.12

## WELL DETAILS: WMC 433-19-793

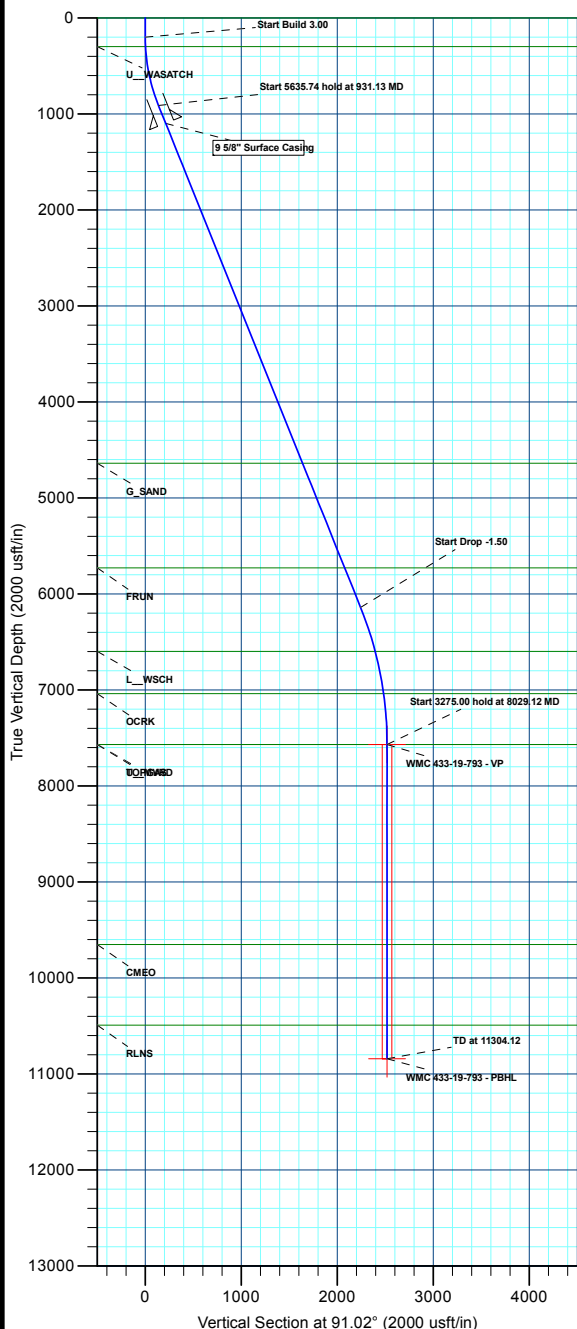
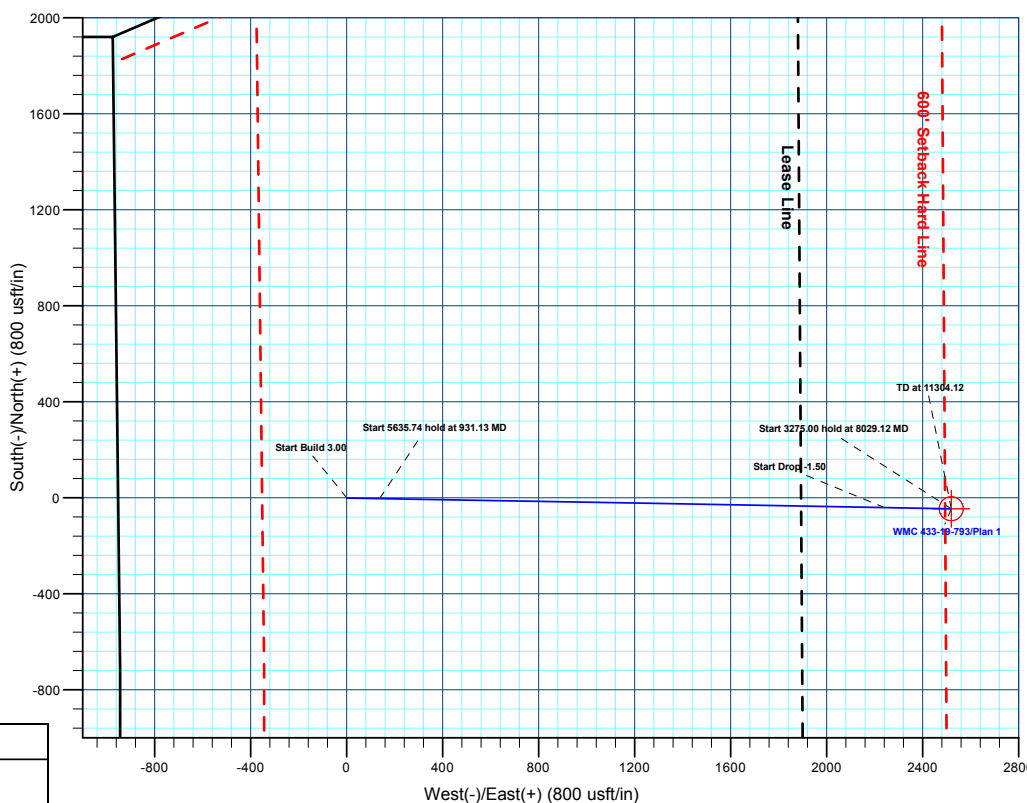
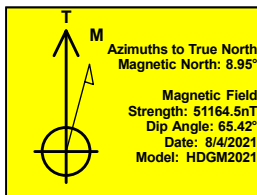
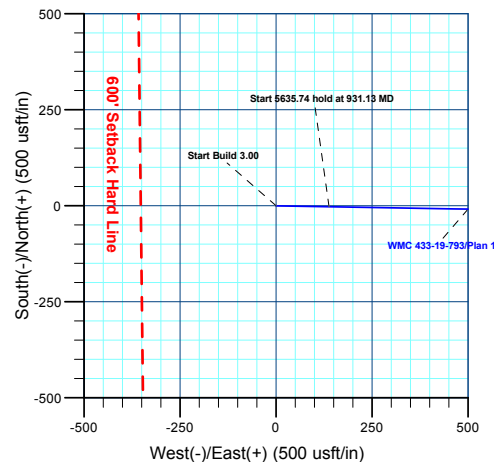
+N/-S	+E/-W	Northing	Ground Elev:	8563.00	Latitude	Longitude	Slot
0.00	0.00	1588605.00	Easting	2343982.50	39.426462	-107.822609	WMC 433-19-793

## FORMATION TOP DETAILS

TVDPath	MDPath	Formation
0.00	0.00	GRRV
300.00	300.05	U_WASATCH
4638.00	4946.37	G_SAND
5728.00	6121.42	FRUN
6598.00	7048.38	L_WSCH
7038.00	7497.40	OCRK
7568.00	8029.12	TOPGAS
7568.00	8029.12	U_MVRD
9653.00	10114.12	CMEQ
10493.00	10954.12	RLNS

## CASING DETAILS

TVD	MD	Name	Size
1100.00	1132.29	9 5/8" Surface Casing	9-5/8



## Plan: Plan 1 (WMC 433-19-793/Wellbore #1)

Created By: Chase Chambers Date: 14:48, January 26 2022



# **Terra Energy Partners, LLP**

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

**Honea Pad**

**WMC 433-19-793 - Slot WMC 433-19-793**

**Wellbore #1**

**Plan: Plan 1**

## **KLX Well Planning Report**

**26 January, 2022**



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Site Honea Pad
<b>Company:</b>	Terra Energy Partners, LLP	<b>TVD Reference:</b>	KB @ 8593.00usft
<b>Project:</b>	Garfield County, CO (Nad 83)	<b>MD Reference:</b>	KB @ 8593.00usft
<b>Site:</b>	Honea Pad	<b>North Reference:</b>	True
<b>Well:</b>	WMC 433-19-793	<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		

Site	Honea Pad				
Site Position:		Northing:	1,588,561.80 usft	Latitude:	39.426341
From:	Map	Easting:	2,343,951.00 usft	Longitude:	-107.822717
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	-1.46

Well	WMC 433-19-793 - Slot WMC 433-19-793					
Well Position	+N/-S	43.99 usft	Northing:	1,588,605.00 usft	Latitude:	39.426462
	+E/-W	30.39 usft	Easting:	2,343,982.50 usft	Longitude:	-107.822610
Position Uncertainty		0.00 usft	Wellhead Elevation:		Ground Level:	8,563.00 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	8.95	65.42	51,164.50000000

<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	43.99	30.39	91.02

<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	43.99	30.39	0.00	0.00	0.00	0.00	
200.00	0.00	0.00	200.00	43.99	30.39	0.00	0.00	0.00	0.00	
931.13	21.93	91.02	913.40	41.52	168.61	3.00	3.00	0.00	91.02	
6,566.87	21.93	91.02	6,141.20	3.92	2,273.42	0.00	0.00	0.00	0.00	
8,029.12	0.00	0.00	7,568.00	-1.01	2,549.86	1.50	-1.50	0.00	180.00	WMC 433-19-793 - VI
11,304.12	0.00	0.00	10,843.00	-1.01	2,549.86	0.00	0.00	0.00	0.00	WMC 433-19-793 - PI

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Site Honea Pad
<b>Company:</b>	Terra Energy Partners, LLP	<b>TVD Reference:</b>	KB @ 8593.00usft
<b>Project:</b>	Garfield County, CO (Nad 83)	<b>MD Reference:</b>	KB @ 8593.00usft
<b>Site:</b>	Honea Pad	<b>North Reference:</b>	True
<b>Well:</b>	WMC 433-19-793	<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>GRRV</b>									
0.00	0.00	0.00	0.00	43.99	30.39	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	43.99	30.39	0.00	0.00	0.00	0.00
<b>Start Build 3.00</b>									
200.00	0.00	0.00	200.00	43.99	30.39	0.00	0.00	0.00	0.00
300.00	3.00	91.02	299.95	43.94	33.00	2.62	3.00	3.00	0.00
<b>U_WASATCH</b>									
300.05	3.00	91.02	300.00	43.94	33.00	2.62	0.00	0.00	0.00
400.00	6.00	91.02	399.63	43.80	40.85	10.46	3.00	3.00	0.00
500.00	9.00	91.02	498.77	43.57	53.90	23.51	3.00	3.00	0.00
600.00	12.00	91.02	597.08	43.25	72.11	41.74	3.00	3.00	0.00
700.00	15.00	91.02	694.31	42.83	95.45	65.08	3.00	3.00	0.00
800.00	18.00	91.02	790.18	42.32	123.85	93.48	3.00	3.00	0.00
900.00	21.00	91.02	884.43	41.73	157.22	126.85	3.00	3.00	0.00
<b>Start 5635.74 hold at 931.13 MD</b>									
931.13	21.93	91.02	913.40	41.52	168.61	138.24	3.00	3.00	0.00
1,000.00	21.93	91.02	977.29	41.06	194.33	163.97	0.00	0.00	0.00
1,100.00	21.93	91.02	1,070.05	40.40	231.68	201.32	0.00	0.00	0.00
<b>9 5/8" Surface Casing</b>									
1,132.29	21.93	91.02	1,100.00	40.18	243.74	213.38	0.00	0.00	0.00
1,200.00	21.93	91.02	1,162.81	39.73	269.02	238.68	0.00	0.00	0.00
1,300.00	21.93	91.02	1,255.57	39.06	306.37	276.03	0.00	0.00	0.00
1,400.00	21.93	91.02	1,348.33	38.39	343.72	313.38	0.00	0.00	0.00
1,500.00	21.93	91.02	1,441.10	37.73	381.07	350.74	0.00	0.00	0.00
1,600.00	21.93	91.02	1,533.86	37.06	418.41	388.09	0.00	0.00	0.00
1,700.00	21.93	91.02	1,626.62	36.39	455.76	425.44	0.00	0.00	0.00
1,800.00	21.93	91.02	1,719.38	35.73	493.11	462.80	0.00	0.00	0.00
1,900.00	21.93	91.02	1,812.14	35.06	530.46	500.15	0.00	0.00	0.00
2,000.00	21.93	91.02	1,904.90	34.39	567.80	537.50	0.00	0.00	0.00
2,100.00	21.93	91.02	1,997.67	33.72	605.15	574.86	0.00	0.00	0.00
2,200.00	21.93	91.02	2,090.43	33.06	642.50	612.21	0.00	0.00	0.00
2,300.00	21.93	91.02	2,183.19	32.39	679.85	649.57	0.00	0.00	0.00
2,400.00	21.93	91.02	2,275.95	31.72	717.19	686.92	0.00	0.00	0.00
2,500.00	21.93	91.02	2,368.71	31.06	754.54	724.27	0.00	0.00	0.00
2,600.00	21.93	91.02	2,461.47	30.39	791.89	761.63	0.00	0.00	0.00
2,700.00	21.93	91.02	2,554.23	29.72	829.24	798.98	0.00	0.00	0.00
2,800.00	21.93	91.02	2,647.00	29.05	866.58	836.33	0.00	0.00	0.00
2,900.00	21.93	91.02	2,739.76	28.39	903.93	873.69	0.00	0.00	0.00
3,000.00	21.93	91.02	2,832.52	27.72	941.28	911.04	0.00	0.00	0.00
3,100.00	21.93	91.02	2,925.28	27.05	978.63	948.39	0.00	0.00	0.00
3,200.00	21.93	91.02	3,018.04	26.39	1,015.98	985.75	0.00	0.00	0.00
3,300.00	21.93	91.02	3,110.80	25.72	1,053.32	1,023.10	0.00	0.00	0.00
3,400.00	21.93	91.02	3,203.57	25.05	1,090.67	1,060.45	0.00	0.00	0.00
3,500.00	21.93	91.02	3,296.33	24.38	1,128.02	1,097.81	0.00	0.00	0.00
3,600.00	21.93	91.02	3,389.09	23.72	1,165.37	1,135.16	0.00	0.00	0.00
3,700.00	21.93	91.02	3,481.85	23.05	1,202.71	1,172.51	0.00	0.00	0.00
3,800.00	21.93	91.02	3,574.61	22.38	1,240.06	1,209.87	0.00	0.00	0.00
3,900.00	21.93	91.02	3,667.37	21.72	1,277.41	1,247.22	0.00	0.00	0.00
4,000.00	21.93	91.02	3,760.14	21.05	1,314.76	1,284.58	0.00	0.00	0.00
4,100.00	21.93	91.02	3,852.90	20.38	1,352.10	1,321.93	0.00	0.00	0.00
4,200.00	21.93	91.02	3,945.66	19.71	1,389.45	1,359.28	0.00	0.00	0.00
4,300.00	21.93	91.02	4,038.42	19.05	1,426.80	1,396.64	0.00	0.00	0.00
4,400.00	21.93	91.02	4,131.18	18.38	1,464.15	1,433.99	0.00	0.00	0.00
4,500.00	21.93	91.02	4,223.94	17.71	1,501.49	1,471.34	0.00	0.00	0.00

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<b>Project:</b>	Garfield County, CO (Nad 83)	<b>MD Reference:</b>	KB @ 8593.00usft
<b>Site:</b>	Honea Pad	<b>North Reference:</b>	True
<b>Well:</b>	WMC 433-19-793	<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)
4,600.00	21.93	91.02	4,316.71	17.05	1,538.84	1,508.70	0.00	0.00	0.00
4,700.00	21.93	91.02	4,409.47	16.38	1,576.19	1,546.05	0.00	0.00	0.00
4,800.00	21.93	91.02	4,502.23	15.71	1,613.54	1,583.40	0.00	0.00	0.00
4,900.00	21.93	91.02	4,594.99	15.04	1,650.88	1,620.76	0.00	0.00	0.00
<b>G_SAND</b>									
4,946.37	21.93	91.02	4,638.00	14.74	1,668.20	1,638.08	0.00	0.00	0.00
5,000.00	21.93	91.02	4,687.75	14.38	1,688.23	1,658.11	0.00	0.00	0.00
5,100.00	21.93	91.02	4,780.51	13.71	1,725.58	1,695.46	0.00	0.00	0.00
5,200.00	21.93	91.02	4,873.27	13.04	1,762.93	1,732.82	0.00	0.00	0.00
5,300.00	21.93	91.02	4,966.04	12.38	1,800.27	1,770.17	0.00	0.00	0.00
5,400.00	21.93	91.02	5,058.80	11.71	1,837.62	1,807.52	0.00	0.00	0.00
5,500.00	21.93	91.02	5,151.56	11.04	1,874.97	1,844.88	0.00	0.00	0.00
5,600.00	21.93	91.02	5,244.32	10.37	1,912.32	1,882.23	0.00	0.00	0.00
5,700.00	21.93	91.02	5,337.08	9.71	1,949.66	1,919.58	0.00	0.00	0.00
5,800.00	21.93	91.02	5,429.84	9.04	1,987.01	1,956.94	0.00	0.00	0.00
5,900.00	21.93	91.02	5,522.61	8.37	2,024.36	1,994.29	0.00	0.00	0.00
6,000.00	21.93	91.02	5,615.37	7.71	2,061.71	2,031.65	0.00	0.00	0.00
6,100.00	21.93	91.02	5,708.13	7.04	2,099.05	2,069.00	0.00	0.00	0.00
<b>FRUN</b>									
6,121.42	21.93	91.02	5,728.00	6.90	2,107.05	2,077.00	0.00	0.00	0.00
6,200.00	21.93	91.02	5,800.89	6.37	2,136.40	2,106.35	0.00	0.00	0.00
6,300.00	21.93	91.02	5,893.65	5.70	2,173.75	2,143.71	0.00	0.00	0.00
6,400.00	21.93	91.02	5,986.41	5.04	2,211.10	2,181.06	0.00	0.00	0.00
6,500.00	21.93	91.02	6,079.18	4.37	2,248.44	2,218.41	0.00	0.00	0.00
<b>Start Drop -1.50</b>									
6,566.87	21.93	91.02	6,141.20	3.92	2,273.42	2,243.39	0.00	0.00	0.00
6,600.00	21.44	91.02	6,171.99	3.71	2,285.66	2,255.63	1.50	-1.50	0.00
6,700.00	19.94	91.02	6,265.54	3.07	2,320.98	2,290.96	1.50	-1.50	0.00
6,800.00	18.44	91.02	6,359.98	2.49	2,353.84	2,323.82	1.50	-1.50	0.00
6,900.00	16.94	91.02	6,455.25	1.95	2,384.21	2,354.20	1.50	-1.50	0.00
7,000.00	15.44	91.02	6,551.29	1.45	2,412.08	2,382.08	1.50	-1.50	0.00
<b>L_WSCH</b>									
7,048.38	14.71	91.02	6,598.00	1.22	2,424.66	2,394.66	1.50	-1.50	0.00
7,100.00	13.94	91.02	6,648.02	0.99	2,437.43	2,407.43	1.50	-1.50	0.00
7,200.00	12.44	91.02	6,745.38	0.59	2,460.24	2,430.24	1.50	-1.50	0.00
7,300.00	10.94	91.02	6,843.30	0.23	2,480.49	2,450.50	1.50	-1.50	0.00
7,400.00	9.44	91.02	6,941.72	-0.09	2,498.18	2,468.18	1.50	-1.50	0.00
<b>OCRK</b>									
7,497.40	7.98	91.02	7,038.00	-0.35	2,512.92	2,482.93	1.50	-1.50	0.00
7,500.00	7.94	91.02	7,040.57	-0.36	2,513.28	2,483.29	1.50	-1.50	0.00
7,600.00	6.44	91.02	7,139.78	-0.58	2,525.78	2,495.80	1.50	-1.50	0.00
7,700.00	4.94	91.02	7,239.29	-0.76	2,535.69	2,505.71	1.50	-1.50	0.00
7,800.00	3.44	91.02	7,339.02	-0.89	2,542.99	2,513.01	1.50	-1.50	0.00
7,900.00	1.94	91.02	7,438.91	-0.97	2,547.68	2,517.69	1.50	-1.50	0.00
8,000.00	0.44	91.02	7,538.88	-1.01	2,549.75	2,519.76	1.50	-1.50	0.00
<b>Start 3275.00 hold at 8029.12 MD - U_MVRD - TOPGAS</b>									
8,029.12	0.00	0.00	7,568.00	-1.01	2,549.86	2,519.88	1.50	-1.50	0.00
8,100.00	0.00	0.00	7,638.88	-1.01	2,549.86	2,519.88	0.00	0.00	0.00
8,200.00	0.00	0.00	7,738.88	-1.01	2,549.86	2,519.88	0.00	0.00	0.00
8,300.00	0.00	0.00	7,838.88	-1.01	2,549.86	2,519.88	0.00	0.00	0.00
8,400.00	0.00	0.00	7,938.88	-1.01	2,549.86	2,519.88	0.00	0.00	0.00
8,500.00	0.00	0.00	8,038.88	-1.01	2,549.86	2,519.88	0.00	0.00	0.00
8,600.00	0.00	0.00	8,138.88	-1.01	2,549.86	2,519.88	0.00	0.00	0.00

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Site Honea Pad
<b>Company:</b>	Terra Energy Partners, LLP	<b>TVD Reference:</b>	KB @ 8593.00usft
<b>Project:</b>	Garfield County, CO (Nad 83)	<b>MD Reference:</b>	KB @ 8593.00usft
<b>Site:</b>	Honea Pad	<b>North Reference:</b>	True
<b>Well:</b>	WMC 433-19-793	<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)
8,700.00	0.00	0.00	8,238.88	-1.01	2,549.86	2,519.88	0.00	0.00	0.00
8,800.00	0.00	0.00	8,338.88	-1.01	2,549.86	2,519.88	0.00	0.00	0.00
8,900.00	0.00	0.00	8,438.88	-1.01	2,549.86	2,519.88	0.00	0.00	0.00
9,000.00	0.00	0.00	8,538.88	-1.01	2,549.86	2,519.88	0.00	0.00	0.00
9,100.00	0.00	0.00	8,638.88	-1.01	2,549.86	2,519.88	0.00	0.00	0.00
9,200.00	0.00	0.00	8,738.88	-1.01	2,549.86	2,519.88	0.00	0.00	0.00
9,300.00	0.00	0.00	8,838.88	-1.01	2,549.86	2,519.88	0.00	0.00	0.00
9,400.00	0.00	0.00	8,938.88	-1.01	2,549.86	2,519.88	0.00	0.00	0.00
9,500.00	0.00	0.00	9,038.88	-1.01	2,549.86	2,519.88	0.00	0.00	0.00
9,600.00	0.00	0.00	9,138.88	-1.01	2,549.86	2,519.88	0.00	0.00	0.00
9,700.00	0.00	0.00	9,238.88	-1.01	2,549.86	2,519.88	0.00	0.00	0.00
9,800.00	0.00	0.00	9,338.88	-1.01	2,549.86	2,519.88	0.00	0.00	0.00
9,900.00	0.00	0.00	9,438.88	-1.01	2,549.86	2,519.88	0.00	0.00	0.00
10,000.00	0.00	0.00	9,538.88	-1.01	2,549.86	2,519.88	0.00	0.00	0.00
10,100.00	0.00	0.00	9,638.88	-1.01	2,549.86	2,519.88	0.00	0.00	0.00
<b>CMEO</b>									
10,114.12	0.00	0.00	9,653.00	-1.01	2,549.86	2,519.88	0.00	0.00	0.00
10,200.00	0.00	0.00	9,738.88	-1.01	2,549.86	2,519.88	0.00	0.00	0.00
10,300.00	0.00	0.00	9,838.88	-1.01	2,549.86	2,519.88	0.00	0.00	0.00
10,400.00	0.00	0.00	9,938.88	-1.01	2,549.86	2,519.88	0.00	0.00	0.00
10,500.00	0.00	0.00	10,038.88	-1.01	2,549.86	2,519.88	0.00	0.00	0.00
10,600.00	0.00	0.00	10,138.88	-1.01	2,549.86	2,519.88	0.00	0.00	0.00
10,700.00	0.00	0.00	10,238.88	-1.01	2,549.86	2,519.88	0.00	0.00	0.00
10,800.00	0.00	0.00	10,338.88	-1.01	2,549.86	2,519.88	0.00	0.00	0.00
10,900.00	0.00	0.00	10,438.88	-1.01	2,549.86	2,519.88	0.00	0.00	0.00
<b>RLNS</b>									
10,954.12	0.00	0.00	10,493.00	-1.01	2,549.86	2,519.88	0.00	0.00	0.00
11,000.00	0.00	0.00	10,538.88	-1.01	2,549.86	2,519.88	0.00	0.00	0.00
11,100.00	0.00	0.00	10,638.88	-1.01	2,549.86	2,519.88	0.00	0.00	0.00
11,200.00	0.00	0.00	10,738.88	-1.01	2,549.86	2,519.88	0.00	0.00	0.00
<b>TD at 11304.12</b>									
11,304.12	0.00	0.00	10,843.00	-1.01	2,549.86	2,519.88	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 433-19-793 - VP	0.00	0.00	7,568.00	-1.01	2,549.86	1,588,495.60	2,346,500.00	39.426338	-107.813690
- plan hits target center									
- Circle (radius 50.00)									
WMC 433-19-793 - PBH	0.00	0.00	10,843.00	-1.01	2,549.86	1,588,495.60	2,346,500.00	39.426338	-107.813690
- plan hits target center									
- Point									

Casing Points				
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
1,132.29	1,100.00	9 5/8" Surface Casing	9-5/8	12-1/4

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Site Honea Pad
<b>Company:</b>	Terra Energy Partners, LLP	<b>TVD Reference:</b>	KB @ 8593.00usft
<b>Project:</b>	Garfield County, CO (Nad 83)	<b>MD Reference:</b>	KB @ 8593.00usft
<b>Site:</b>	Honea Pad	<b>North Reference:</b>	True
<b>Well:</b>	WMC 433-19-793	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan 1		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
0.00	0.00	GRRV				
300.05	300.00	U__WASATCH				
4,946.37	4,638.00	G_SAND				
6,121.42	5,728.00	FRUN				
7,048.38	6,598.00	L__WSCH				
7,497.40	7,038.00	OCRK				
8,029.12	7,568.00	U__MVRD				
8,029.12	7,568.00	TOPGAS				
10,114.12	9,653.00	CME0				
10,954.12	10,493.00	RLNS				

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
200.00	200.00	43.99	30.39	Start Build 3.00	
931.13	913.40	41.52	168.61	Start 5635.74 hold at 931.13 MD	
6,566.87	6,141.20	3.92	2,273.42	Start Drop -1.50	
8,029.12	7,568.00	-1.01	2,549.86	Start 3275.00 hold at 8029.12 MD	
11,304.12	10,843.00	-1.01	2,549.86	TD at 11304.12	