

## 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: Site Honea Pad, True North  
 Vertical (TVD) Reference: KB @ 8593.00usft  
 Section (VS) Reference: Slot - WMC 512-19-793(17.70N, 3.65E)  
 Measured Depth Reference: KB @ 8593.00usft  
 Calculation Method: Minimum Curvature

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

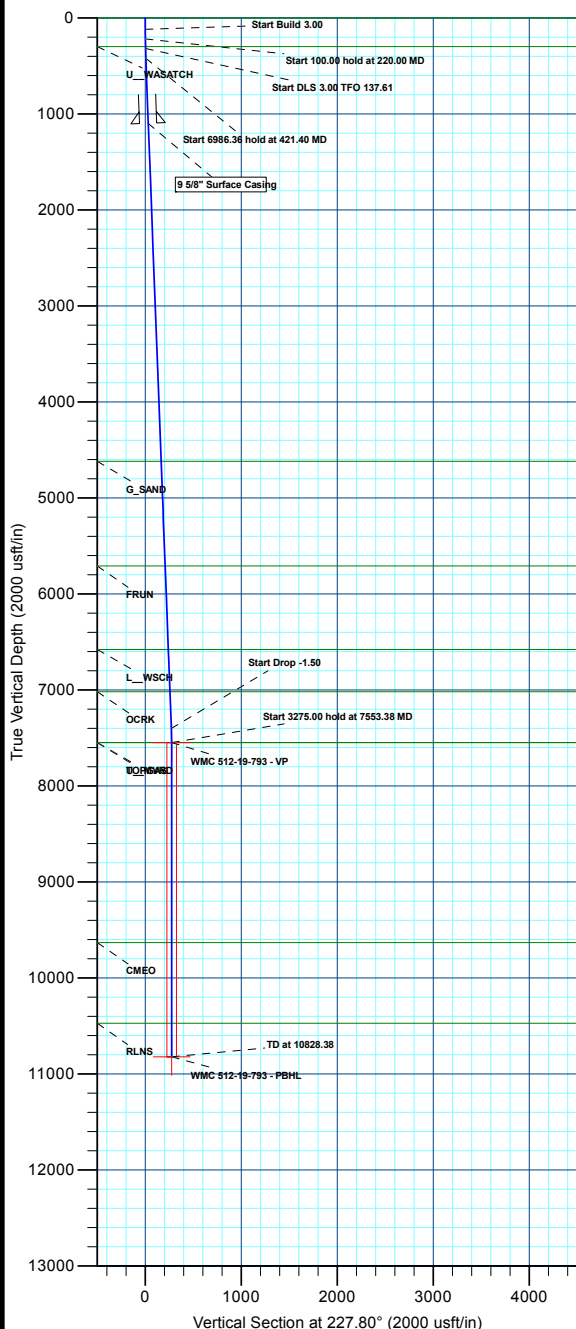
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
WMC 512-19-793 - VP	7548.00	-166.86	-199.90	1588400.10	2343746.90	39.425883	-107.823424	Circle (Radius: 50.00)
WMC 512-19-793 - PBHL	10823.00	-166.86	-199.90	1588400.10	2343746.90	39.425883	-107.823424	Point

## ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSec	Departure	Annotation
120.00	0.00	0.00	120.00	17.70	3.65	0.00	0.00	Start Build 3.00
220.00	3.00	160.00	219.95	15.24	4.54	0.99	2.62	Start 100.00 hold at 220.00 MD
320.00	3.00	160.00	319.82	10.32	6.33	2.97	7.85	Start DLS 3.00 TFO 137.61
421.40	2.18	229.86	421.14	6.58	5.76	5.90	12.15	Start 6986.36 hold at 421.40 MD
7407.76	2.18	229.86	7402.42	-165.08	-197.78	271.99	278.41	Start Drop -1.50
7553.38	0.00	0.00	7548.00	-166.86	-199.90	274.76	281.19	Start 3275.00 hold at 7553.38 MD
10828.38	0.00	0.00	10823.00	-166.86	-199.90	274.76	281.19	TD at 10828.38

## WELL DETAILS: WMC 512-19-793

+N/-S	+E/-W	Northing	Ground Elev.	Easting	Latitude	Longitude	Slot
17.70	3.65	1588579.40	8563.00	2343955.10	39.426390	-107.822704	WMC 512-19-793

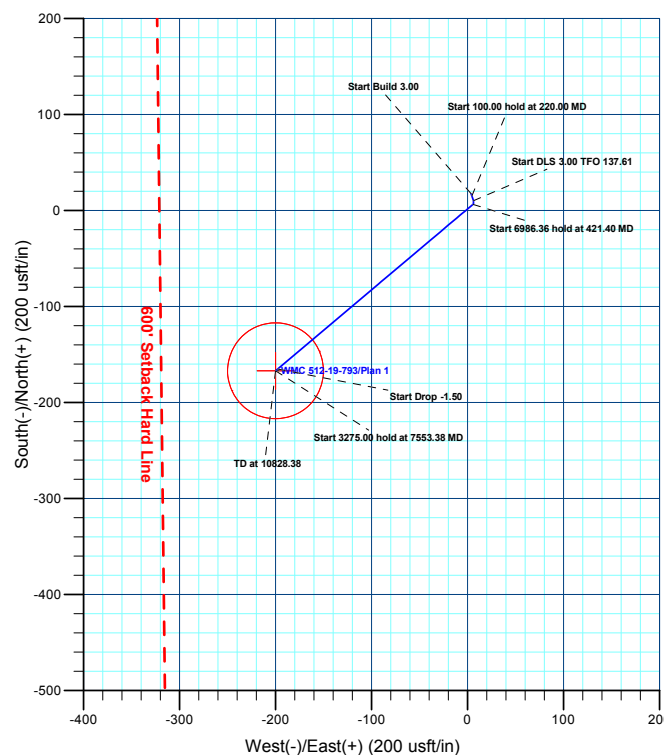
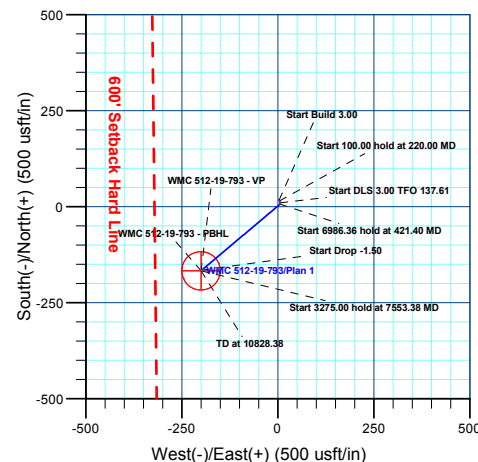
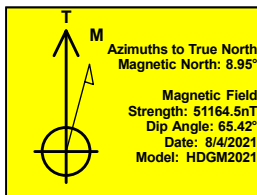


## FORMATION TOP DETAILS

TVDPath	MDPath	Formation
0.00	0.00	GRRV
300.00	300.16	U_WASATCH
4618.00	4621.32	G_SAND
5708.00	5712.11	FRUN
6578.00	6582.74	L_WSCH
7018.00	7023.06	OCRK
7548.00	7553.38	TOPGAS
9633.00	9638.38	U_MVRD
10473.00	10478.38	CMEO
		RLNS

## CASING DETAILS

TVD	MD	Name	Size
1100.00	1100.76	9 5/8" Surface Casing	9-5/8





# **Terra Energy Partners, LLP**

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

**Honea Pad**

**WMC 512-19-793 - Slot WMC 512-19-793**

**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 512-19-793	<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 512-19-793 - Slot WMC 512-19-793					
Well Position	+N/-S	17.70 usft	Northing:	1,588,579.40 usft	Latitude:	39.426390
	+E/-W	3.65 usft	Easting:	2,343,955.10 usft	Longitude:	-107.822704
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	17.70	3.65	227.80

<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	17.70	3.65	0.00	0.00	0.00	0.00	
120.00	0.00	0.00	120.00	17.70	3.65	0.00	0.00	0.00	0.00	
220.00	3.00	160.00	219.95	15.24	4.54	3.00	3.00	0.00	160.00	
320.00	3.00	160.00	319.82	10.32	6.33	0.00	0.00	0.00	0.00	
421.40	2.18	229.86	421.14	6.58	5.76	3.00	-0.80	68.89	137.61	
7,407.77	2.18	229.86	7,402.42	-165.08	-197.78	0.00	0.00	0.00	0.00	
7,553.38	0.00	0.00	7,548.00	-166.86	-199.90	1.50	-1.50	0.00	180.00	WMC 512-19-793 - VI
10,828.38	0.00	0.00	10,823.00	-166.86	-199.90	0.00	0.00	0.00	0.00	WMC 512-19-793 - PI

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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 512-19-793	<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	17.70	3.65	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	17.70	3.65	0.00	0.00	0.00	0.00
<b>Start Build 3.00</b>									
120.00	0.00	0.00	120.00	17.70	3.65	0.00	0.00	0.00	0.00
200.00	2.40	160.00	199.98	16.12	4.22	0.63	3.00	3.00	0.00
<b>Start 100.00 hold at 220.00 MD</b>									
220.00	3.00	160.00	219.95	15.24	4.54	0.99	3.00	3.00	0.00
300.00	3.00	160.00	299.84	11.31	5.98	2.57	0.00	0.00	0.00
<b>U_WASATCH</b>									
300.16	3.00	160.00	300.00	11.30	5.98	2.57	0.00	0.00	0.00
<b>Start DLS 3.00 TFO 137.61</b>									
320.00	3.00	160.00	319.82	10.32	6.33	2.97	0.00	0.00	0.00
400.00	2.03	212.83	399.75	7.16	6.28	5.13	3.00	-1.21	66.04
<b>Start 6986.36 hold at 421.40 MD</b>									
421.40	2.18	229.86	421.14	6.58	5.76	5.90	3.00	0.72	79.56
500.00	2.18	229.86	499.68	4.65	3.47	8.89	0.00	0.00	0.00
600.00	2.18	229.86	599.61	2.19	0.56	12.70	0.00	0.00	0.00
700.00	2.18	229.86	699.53	-0.26	-2.35	16.51	0.00	0.00	0.00
800.00	2.18	229.86	799.46	-2.72	-5.27	20.32	0.00	0.00	0.00
900.00	2.18	229.86	899.39	-5.18	-8.18	24.13	0.00	0.00	0.00
1,000.00	2.18	229.86	999.31	-7.63	-11.09	27.94	0.00	0.00	0.00
1,100.00	2.18	229.86	1,099.24	-10.09	-14.01	31.75	0.00	0.00	0.00
<b>9 5/8" Surface Casing</b>									
1,100.76	2.18	229.86	1,100.00	-10.11	-14.03	31.78	0.00	0.00	0.00
1,200.00	2.18	229.86	1,199.17	-12.55	-16.92	35.56	0.00	0.00	0.00
1,300.00	2.18	229.86	1,299.10	-15.01	-19.83	39.36	0.00	0.00	0.00
1,400.00	2.18	229.86	1,399.02	-17.46	-22.75	43.17	0.00	0.00	0.00
1,500.00	2.18	229.86	1,498.95	-19.92	-25.66	46.98	0.00	0.00	0.00
1,600.00	2.18	229.86	1,598.88	-22.38	-28.57	50.79	0.00	0.00	0.00
1,700.00	2.18	229.86	1,698.81	-24.83	-31.49	54.60	0.00	0.00	0.00
1,800.00	2.18	229.86	1,798.73	-27.29	-34.40	58.41	0.00	0.00	0.00
1,900.00	2.18	229.86	1,898.66	-29.75	-37.31	62.22	0.00	0.00	0.00
2,000.00	2.18	229.86	1,998.59	-32.21	-40.23	66.03	0.00	0.00	0.00
2,100.00	2.18	229.86	2,098.52	-34.66	-43.14	69.83	0.00	0.00	0.00
2,200.00	2.18	229.86	2,198.44	-37.12	-46.05	73.64	0.00	0.00	0.00
2,300.00	2.18	229.86	2,298.37	-39.58	-48.97	77.45	0.00	0.00	0.00
2,400.00	2.18	229.86	2,398.30	-42.03	-51.88	81.26	0.00	0.00	0.00
2,500.00	2.18	229.86	2,498.22	-44.49	-54.79	85.07	0.00	0.00	0.00
2,600.00	2.18	229.86	2,598.15	-46.95	-57.71	88.88	0.00	0.00	0.00
2,700.00	2.18	229.86	2,698.08	-49.40	-60.62	92.69	0.00	0.00	0.00
2,800.00	2.18	229.86	2,798.01	-51.86	-63.53	96.49	0.00	0.00	0.00
2,900.00	2.18	229.86	2,897.93	-54.32	-66.45	100.30	0.00	0.00	0.00
3,000.00	2.18	229.86	2,997.86	-56.78	-69.36	104.11	0.00	0.00	0.00
3,100.00	2.18	229.86	3,097.79	-59.23	-72.27	107.92	0.00	0.00	0.00
3,200.00	2.18	229.86	3,197.72	-61.69	-75.19	111.73	0.00	0.00	0.00
3,300.00	2.18	229.86	3,297.64	-64.15	-78.10	115.54	0.00	0.00	0.00
3,400.00	2.18	229.86	3,397.57	-66.60	-81.01	119.35	0.00	0.00	0.00
3,500.00	2.18	229.86	3,497.50	-69.06	-83.93	123.16	0.00	0.00	0.00
3,600.00	2.18	229.86	3,597.43	-71.52	-86.84	126.96	0.00	0.00	0.00
3,700.00	2.18	229.86	3,697.35	-73.97	-89.76	130.77	0.00	0.00	0.00
3,800.00	2.18	229.86	3,797.28	-76.43	-92.67	134.58	0.00	0.00	0.00
3,900.00	2.18	229.86	3,897.21	-78.89	-95.58	138.39	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 512-19-793	<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)	
4,000.00	2.18	229.86	3,997.13	-81.35	-98.50	142.20	0.00	0.00	0.00	
4,100.00	2.18	229.86	4,097.06	-83.80	-101.41	146.01	0.00	0.00	0.00	
4,200.00	2.18	229.86	4,196.99	-86.26	-104.32	149.82	0.00	0.00	0.00	
4,300.00	2.18	229.86	4,296.92	-88.72	-107.24	153.63	0.00	0.00	0.00	
4,400.00	2.18	229.86	4,396.84	-91.17	-110.15	157.43	0.00	0.00	0.00	
4,500.00	2.18	229.86	4,496.77	-93.63	-113.06	161.24	0.00	0.00	0.00	
4,600.00	2.18	229.86	4,596.70	-96.09	-115.98	165.05	0.00	0.00	0.00	
<b>G_SAND</b>										
4,621.32	2.18	229.86	4,618.00	-96.61	-116.60	165.86	0.00	0.00	0.00	
4,700.00	2.18	229.86	4,696.63	-98.55	-118.89	168.86	0.00	0.00	0.00	
4,800.00	2.18	229.86	4,796.55	-101.00	-121.80	172.67	0.00	0.00	0.00	
4,900.00	2.18	229.86	4,896.48	-103.46	-124.72	176.48	0.00	0.00	0.00	
5,000.00	2.18	229.86	4,996.41	-105.92	-127.63	180.29	0.00	0.00	0.00	
5,100.00	2.18	229.86	5,096.34	-108.37	-130.54	184.10	0.00	0.00	0.00	
5,200.00	2.18	229.86	5,196.26	-110.83	-133.46	187.90	0.00	0.00	0.00	
5,300.00	2.18	229.86	5,296.19	-113.29	-136.37	191.71	0.00	0.00	0.00	
5,400.00	2.18	229.86	5,396.12	-115.74	-139.28	195.52	0.00	0.00	0.00	
5,500.00	2.18	229.86	5,496.05	-118.20	-142.20	199.33	0.00	0.00	0.00	
5,600.00	2.18	229.86	5,595.97	-120.66	-145.11	203.14	0.00	0.00	0.00	
5,700.00	2.18	229.86	5,695.90	-123.12	-148.02	206.95	0.00	0.00	0.00	
<b>FRUN</b>										
5,712.11	2.18	229.86	5,708.00	-123.41	-148.38	207.41	0.00	0.00	0.00	
5,800.00	2.18	229.86	5,795.83	-125.57	-150.94	210.76	0.00	0.00	0.00	
5,900.00	2.18	229.86	5,895.75	-128.03	-153.85	214.57	0.00	0.00	0.00	
6,000.00	2.18	229.86	5,995.68	-130.49	-156.76	218.37	0.00	0.00	0.00	
6,100.00	2.18	229.86	6,095.61	-132.94	-159.68	222.18	0.00	0.00	0.00	
6,200.00	2.18	229.86	6,195.54	-135.40	-162.59	225.99	0.00	0.00	0.00	
6,300.00	2.18	229.86	6,295.46	-137.86	-165.50	229.80	0.00	0.00	0.00	
6,400.00	2.18	229.86	6,395.39	-140.31	-168.42	233.61	0.00	0.00	0.00	
6,500.00	2.18	229.86	6,495.32	-142.77	-171.33	237.42	0.00	0.00	0.00	
<b>L_WSCH</b>										
6,582.74	2.18	229.86	6,578.00	-144.80	-173.74	240.57	0.00	0.00	0.00	
6,600.00	2.18	229.86	6,595.25	-145.23	-174.24	241.23	0.00	0.00	0.00	
6,700.00	2.18	229.86	6,695.17	-147.69	-177.16	245.03	0.00	0.00	0.00	
6,800.00	2.18	229.86	6,795.10	-150.14	-180.07	248.84	0.00	0.00	0.00	
6,900.00	2.18	229.86	6,895.03	-152.60	-182.98	252.65	0.00	0.00	0.00	
7,000.00	2.18	229.86	6,994.96	-155.06	-185.90	256.46	0.00	0.00	0.00	
<b>OCRK</b>										
7,023.06	2.18	229.86	7,018.00	-155.62	-186.57	257.34	0.00	0.00	0.00	
7,100.00	2.18	229.86	7,094.88	-157.51	-188.81	260.27	0.00	0.00	0.00	
7,200.00	2.18	229.86	7,194.81	-159.97	-191.73	264.08	0.00	0.00	0.00	
7,300.00	2.18	229.86	7,294.74	-162.43	-194.64	267.89	0.00	0.00	0.00	
<b>Start Drop -1.50</b>										
7,407.77	2.18	229.86	7,402.42	-165.08	-197.78	271.99	0.00	0.00	0.00	
7,500.00	0.80	229.86	7,494.63	-166.62	-199.61	274.39	1.50	-1.50	0.00	
<b>Start 3275.00 hold at 7553.38 MD - U_MVRD - TOPGAS</b>										
7,553.38	0.00	0.00	7,548.00	-166.86	-199.90	274.76	1.50	-1.50	0.00	
7,600.00	0.00	0.00	7,594.62	-166.86	-199.90	274.76	0.00	0.00	0.00	
7,700.00	0.00	0.00	7,694.62	-166.86	-199.90	274.76	0.00	0.00	0.00	
7,800.00	0.00	0.00	7,794.62	-166.86	-199.90	274.76	0.00	0.00	0.00	
7,900.00	0.00	0.00	7,894.62	-166.86	-199.90	274.76	0.00	0.00	0.00	
8,000.00	0.00	0.00	7,994.62	-166.86	-199.90	274.76	0.00	0.00	0.00	
8,100.00	0.00	0.00	8,094.62	-166.86	-199.90	274.76	0.00	0.00	0.00	

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<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 512-19-793	<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)
8,200.00	0.00	0.00	8,194.62	-166.86	-199.90	274.76	0.00	0.00	0.00
8,300.00	0.00	0.00	8,294.62	-166.86	-199.90	274.76	0.00	0.00	0.00
8,400.00	0.00	0.00	8,394.62	-166.86	-199.90	274.76	0.00	0.00	0.00
8,500.00	0.00	0.00	8,494.62	-166.86	-199.90	274.76	0.00	0.00	0.00
8,600.00	0.00	0.00	8,594.62	-166.86	-199.90	274.76	0.00	0.00	0.00
8,700.00	0.00	0.00	8,694.62	-166.86	-199.90	274.76	0.00	0.00	0.00
8,800.00	0.00	0.00	8,794.62	-166.86	-199.90	274.76	0.00	0.00	0.00
8,900.00	0.00	0.00	8,894.62	-166.86	-199.90	274.76	0.00	0.00	0.00
9,000.00	0.00	0.00	8,994.62	-166.86	-199.90	274.76	0.00	0.00	0.00
9,100.00	0.00	0.00	9,094.62	-166.86	-199.90	274.76	0.00	0.00	0.00
9,200.00	0.00	0.00	9,194.62	-166.86	-199.90	274.76	0.00	0.00	0.00
9,300.00	0.00	0.00	9,294.62	-166.86	-199.90	274.76	0.00	0.00	0.00
9,400.00	0.00	0.00	9,394.62	-166.86	-199.90	274.76	0.00	0.00	0.00
9,500.00	0.00	0.00	9,494.62	-166.86	-199.90	274.76	0.00	0.00	0.00
9,600.00	0.00	0.00	9,594.62	-166.86	-199.90	274.76	0.00	0.00	0.00
<b>CMEO</b>									
9,638.38	0.00	0.00	9,633.00	-166.86	-199.90	274.76	0.00	0.00	0.00
9,700.00	0.00	0.00	9,694.62	-166.86	-199.90	274.76	0.00	0.00	0.00
9,800.00	0.00	0.00	9,794.62	-166.86	-199.90	274.76	0.00	0.00	0.00
9,900.00	0.00	0.00	9,894.62	-166.86	-199.90	274.76	0.00	0.00	0.00
10,000.00	0.00	0.00	9,994.62	-166.86	-199.90	274.76	0.00	0.00	0.00
10,100.00	0.00	0.00	10,094.62	-166.86	-199.90	274.76	0.00	0.00	0.00
10,200.00	0.00	0.00	10,194.62	-166.86	-199.90	274.76	0.00	0.00	0.00
10,300.00	0.00	0.00	10,294.62	-166.86	-199.90	274.76	0.00	0.00	0.00
10,400.00	0.00	0.00	10,394.62	-166.86	-199.90	274.76	0.00	0.00	0.00
<b>RLNS</b>									
10,478.38	0.00	0.00	10,473.00	-166.86	-199.90	274.76	0.00	0.00	0.00
10,500.00	0.00	0.00	10,494.62	-166.86	-199.90	274.76	0.00	0.00	0.00
10,600.00	0.00	0.00	10,594.62	-166.86	-199.90	274.76	0.00	0.00	0.00
10,700.00	0.00	0.00	10,694.62	-166.86	-199.90	274.76	0.00	0.00	0.00
10,800.00	0.00	0.00	10,794.62	-166.86	-199.90	274.76	0.00	0.00	0.00
<b>TD at 10828.38</b>									
10,828.38	0.00	0.00	10,823.00	-166.86	-199.90	274.76	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 512-19-793 - VP	0.00	0.00	7,548.00	-166.86	-199.90	1,588,400.10	2,343,746.90	39.425883	-107.823425
- plan hits target center									
- Circle (radius 50.00)									
WMC 512-19-793 - PBH	0.00	0.00	10,823.00	-166.86	-199.90	1,588,400.10	2,343,746.90	39.425883	-107.823425
- plan hits target center									
- Point									

<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 512-19-793	<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 (")
1,100.76	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	GRRV				
300.16	300.00	U__WASATCH				
4,621.32	4,618.00	G_SAND				
5,712.11	5,708.00	FRUN				
6,582.74	6,578.00	L__WSCH				
7,023.06	7,018.00	OCRK				
7,553.38	7,548.00	U__MVRD				
7,553.38	7,548.00	TOPGAS				
9,638.38	9,633.00	CMEQ				
10,478.38	10,473.00	RLNS				

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
120.00	120.00	17.70	3.65	Start Build 3.00	
220.00	219.95	15.24	4.54	Start 100.00 hold at 220.00 MD	
320.00	319.82	10.32	6.33	Start DLS 3.00 TFO 137.61	
421.40	421.14	6.58	5.76	Start 6986.36 hold at 421.40 MD	
7,407.77	7,402.42	-165.08	-197.78	Start Drop -1.50	
7,553.38	7,548.00	-166.86	-199.90	Start 3275.00 hold at 7553.38 MD	
10,828.38	10,823.00	-166.86	-199.90	TD at 10828.38	