

Matador Resources

**Eddy County, NM (NAD27)
Leatherneck 3029 Fed Com
#126H**

RECEIVED

OH

JUL 29 2019

DISTRICT II-ARTESIA O.C.D.

Plan: Prelim A

Standard Planning Report

22 May, 2019

Pro Directional Planning Report

Database: WellPlanner1
Company: Matador Resources
Project: Eddy County, NM (NAD27)
Site: Leatherneck 3029 Fed Com
Well: #126H
Wellbore: OH
Design: Prelim A

Local Co-ordinate Reference: Well #126H
TVD Reference: 3240 + 28.5 = KB @ 3268.50usft (Patt 809)
MD Reference: 3240 + 28.5 = KB @ 3268.50usft (Patt 809)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Project	Eddy County, NM (NAD27)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Leatherneck 3029 Fed Com		
Site Position:		Northing:	562,887.00 usft
From: Map		Easting:	565,342.00 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32.547306
		Longitude:	-104.121280
		Grid Convergence:	0.11 °

Well	#126H		
Well Position	+N/-S	0.00 usft	Northing: 562,887.00 usft
	+E/-W	-30.00 usft	Easting: 565,312.00 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	Ground Level: 3,240.00 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination (°)
	HDGM	5/20/2019	7.20
			Dip Angle (°)
			60.30
			Field Strength (nT)
			47,977.60

Design	Prelim A		
Audit Notes:			
Version:	Phase:	PROTOTYPE	Tie On Depth: 0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.00	0.00	0.00
			Direction (°)
			90.05

Plan Survey Tool Program	Date	5/22/2019		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	17,995.79 Prelim A (OH)	MWD+HDGM	
			OWSG MWD + HRGM	

Plan Sections										
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	
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,420.09	8.40	191.00	1,418.59	-30.18	-5.86	2.00	2.00	0.00	191.00	
6,883.59	8.40	191.00	6,823.45	-813.82	-158.14	0.00	0.00	0.00	0.00	
7,303.68	0.00	0.00	7,242.04	-844.00	-164.00	2.00	-2.00	0.00	180.00	
8,203.68	90.00	81.90	7,815.00	-763.27	403.24	10.00	10.00	0.00	81.90	
8,611.22	90.00	90.05	7,815.00	-734.69	809.43	2.00	0.00	2.00	90.00	
17,995.79	90.00	90.05	7,815.00	-743.00	10,194.00	0.00	0.00	0.00	0.00	BHL (Leatherneck f

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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
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	2.00	191.00	1,099.98	-1.71	-0.33	-0.33	2.00	2.00	0.00
1,200.00	4.00	191.00	1,199.84	-6.85	-1.33	-1.33	2.00	2.00	0.00
1,300.00	6.00	191.00	1,299.45	-15.41	-2.99	-2.98	2.00	2.00	0.00
1,400.00	8.00	191.00	1,398.70	-27.37	-5.32	-5.29	2.00	2.00	0.00
1,420.09	8.40	191.00	1,418.59	-30.18	-5.86	-5.84	2.00	2.00	0.00
1,500.00	8.40	191.00	1,497.64	-41.64	-8.09	-8.06	0.00	0.00	0.00
1,600.00	8.40	191.00	1,596.57	-55.99	-10.88	-10.83	0.00	0.00	0.00
1,700.00	8.40	191.00	1,695.49	-70.33	-13.67	-13.60	0.00	0.00	0.00
1,800.00	8.40	191.00	1,794.42	-84.67	-16.45	-16.38	0.00	0.00	0.00
1,900.00	8.40	191.00	1,893.35	-99.02	-19.24	-19.15	0.00	0.00	0.00
2,000.00	8.40	191.00	1,992.27	-113.36	-22.03	-21.93	0.00	0.00	0.00
2,100.00	8.40	191.00	2,091.20	-127.70	-24.81	-24.70	0.00	0.00	0.00
2,200.00	8.40	191.00	2,190.13	-142.04	-27.60	-27.48	0.00	0.00	0.00
2,300.00	8.40	191.00	2,289.05	-156.39	-30.39	-30.25	0.00	0.00	0.00
2,400.00	8.40	191.00	2,387.98	-170.73	-33.18	-33.03	0.00	0.00	0.00
2,500.00	8.40	191.00	2,486.91	-185.07	-35.96	-35.80	0.00	0.00	0.00
2,600.00	8.40	191.00	2,585.83	-199.42	-38.75	-38.58	0.00	0.00	0.00
2,700.00	8.40	191.00	2,684.76	-213.76	-41.54	-41.35	0.00	0.00	0.00
2,800.00	8.40	191.00	2,783.69	-228.10	-44.32	-44.12	0.00	0.00	0.00
2,900.00	8.40	191.00	2,882.61	-242.45	-47.11	-46.90	0.00	0.00	0.00
3,000.00	8.40	191.00	2,981.54	-256.79	-49.90	-49.67	0.00	0.00	0.00
3,100.00	8.40	191.00	3,080.47	-271.13	-52.68	-52.45	0.00	0.00	0.00
3,200.00	8.40	191.00	3,179.39	-285.48	-55.47	-55.22	0.00	0.00	0.00
3,300.00	8.40	191.00	3,278.32	-299.82	-58.26	-58.00	0.00	0.00	0.00
3,400.00	8.40	191.00	3,377.25	-314.16	-61.05	-60.77	0.00	0.00	0.00
3,500.00	8.40	191.00	3,476.17	-328.51	-63.83	-63.55	0.00	0.00	0.00
3,600.00	8.40	191.00	3,575.10	-342.85	-66.62	-66.32	0.00	0.00	0.00
3,700.00	8.40	191.00	3,674.03	-357.19	-69.41	-69.10	0.00	0.00	0.00
3,800.00	8.40	191.00	3,772.95	-371.53	-72.19	-71.87	0.00	0.00	0.00
3,900.00	8.40	191.00	3,871.88	-385.88	-74.98	-74.64	0.00	0.00	0.00
4,000.00	8.40	191.00	3,970.81	-400.22	-77.77	-77.42	0.00	0.00	0.00
4,100.00	8.40	191.00	4,069.73	-414.56	-80.56	-80.19	0.00	0.00	0.00
4,200.00	8.40	191.00	4,168.66	-428.91	-83.34	-82.97	0.00	0.00	0.00
4,300.00	8.40	191.00	4,267.59	-443.25	-86.13	-85.74	0.00	0.00	0.00
4,400.00	8.40	191.00	4,366.52	-457.59	-88.92	-88.52	0.00	0.00	0.00
4,500.00	8.40	191.00	4,465.44	-471.94	-91.70	-91.29	0.00	0.00	0.00
4,600.00	8.40	191.00	4,564.37	-486.28	-94.49	-94.07	0.00	0.00	0.00
4,700.00	8.40	191.00	4,663.30	-500.62	-97.28	-96.84	0.00	0.00	0.00
4,800.00	8.40	191.00	4,762.22	-514.97	-100.06	-99.62	0.00	0.00	0.00
4,900.00	8.40	191.00	4,861.15	-529.31	-102.85	-102.39	0.00	0.00	0.00
5,000.00	8.40	191.00	4,960.08	-543.65	-105.64	-105.16	0.00	0.00	0.00
5,100.00	8.40	191.00	5,059.00	-558.00	-108.43	-107.94	0.00	0.00	0.00
5,200.00	8.40	191.00	5,157.93	-572.34	-111.21	-110.71	0.00	0.00	0.00

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5,300.00	8.40	191.00	5,256.86	-586.68	-114.00	-113.49	0.00	0.00	0.00
5,400.00	8.40	191.00	5,355.78	-601.03	-116.79	-116.26	0.00	0.00	0.00
5,500.00	8.40	191.00	5,454.71	-615.37	-119.57	-119.04	0.00	0.00	0.00
5,600.00	8.40	191.00	5,553.64	-629.71	-122.36	-121.81	0.00	0.00	0.00
5,700.00	8.40	191.00	5,652.56	-644.05	-125.15	-124.59	0.00	0.00	0.00
5,800.00	8.40	191.00	5,751.49	-658.40	-127.94	-127.36	0.00	0.00	0.00
5,900.00	8.40	191.00	5,850.42	-672.74	-130.72	-130.14	0.00	0.00	0.00
6,000.00	8.40	191.00	5,949.34	-687.08	-133.51	-132.91	0.00	0.00	0.00
6,100.00	8.40	191.00	6,048.27	-701.43	-136.30	-135.68	0.00	0.00	0.00
6,200.00	8.40	191.00	6,147.20	-715.77	-139.08	-138.46	0.00	0.00	0.00
6,300.00	8.40	191.00	6,246.12	-730.11	-141.87	-141.23	0.00	0.00	0.00
6,400.00	8.40	191.00	6,345.05	-744.46	-144.66	-144.01	0.00	0.00	0.00
6,500.00	8.40	191.00	6,443.98	-758.80	-147.44	-146.78	0.00	0.00	0.00
6,600.00	8.40	191.00	6,542.90	-773.14	-150.23	-149.56	0.00	0.00	0.00
6,700.00	8.40	191.00	6,641.83	-787.49	-153.02	-152.33	0.00	0.00	0.00
6,800.00	8.40	191.00	6,740.76	-801.83	-155.81	-155.11	0.00	0.00	0.00
6,883.59	8.40	191.00	6,823.45	-813.82	-158.14	-157.43	0.00	0.00	0.00
6,900.00	8.07	191.00	6,839.69	-816.13	-158.58	-157.87	2.00	-2.00	0.00
7,000.00	6.07	191.00	6,938.93	-828.21	-160.93	-160.21	2.00	-2.00	0.00
7,100.00	4.07	191.00	7,038.53	-836.90	-162.62	-161.89	2.00	-2.00	0.00
7,200.00	2.07	191.00	7,138.38	-842.16	-163.64	-162.91	2.00	-2.00	0.00
7,303.68	0.00	0.00	7,242.04	-844.00	-164.00	-163.26	2.00	-2.00	0.00
7,350.00	4.63	81.90	7,288.31	-843.74	-162.15	-161.41	10.00	10.00	0.00
7,400.00	9.63	81.90	7,337.90	-842.86	-156.00	-155.27	10.00	10.00	0.00
7,450.00	14.63	81.90	7,386.77	-841.38	-145.60	-144.87	10.00	10.00	0.00
7,500.00	19.63	81.90	7,434.54	-839.31	-131.03	-130.29	10.00	10.00	0.00
7,550.00	24.63	81.90	7,480.84	-836.65	-112.38	-111.65	10.00	10.00	0.00
7,600.00	29.63	81.90	7,525.32	-833.44	-89.82	-89.09	10.00	10.00	0.00
7,650.00	34.63	81.90	7,567.65	-829.70	-63.50	-62.77	10.00	10.00	0.00
7,700.00	39.63	81.90	7,607.50	-825.45	-33.63	-32.91	10.00	10.00	0.00
7,750.00	44.63	81.90	7,644.57	-820.72	-0.43	0.29	10.00	10.00	0.00
7,800.00	49.63	81.90	7,678.57	-815.56	35.84	36.55	10.00	10.00	0.00
7,850.00	54.63	81.90	7,709.26	-810.00	74.90	75.61	10.00	10.00	0.00
7,900.00	59.63	81.90	7,736.38	-804.08	116.47	117.17	10.00	10.00	0.00
7,950.00	64.63	81.90	7,759.75	-797.86	160.21	160.91	10.00	10.00	0.00
8,000.00	69.63	81.90	7,779.17	-791.37	205.81	206.50	10.00	10.00	0.00
8,050.00	74.63	81.90	7,794.51	-784.67	252.91	253.59	10.00	10.00	0.00
8,100.00	79.63	81.90	7,805.64	-777.80	301.15	301.83	10.00	10.00	0.00
8,150.00	84.63	81.90	7,812.48	-770.82	350.17	350.84	10.00	10.00	0.00
8,203.68	90.00	81.90	7,815.00	-763.27	403.24	403.91	10.00	10.00	0.00
8,300.00	90.00	83.83	7,815.00	-751.30	498.81	499.46	2.00	0.00	2.00
8,400.00	90.00	85.83	7,815.00	-742.29	598.40	599.04	2.00	0.00	2.00
8,500.00	90.00	87.83	7,815.00	-736.75	698.24	698.88	2.00	0.00	2.00
8,600.00	90.00	89.83	7,815.00	-734.70	798.21	798.85	2.00	0.00	2.00
8,611.22	90.00	90.05	7,815.00	-734.69	809.43	810.07	2.00	0.00	2.00
8,700.00	90.00	90.05	7,815.00	-734.77	898.21	898.85	0.00	0.00	0.00
8,800.00	90.00	90.05	7,815.00	-734.86	998.21	998.85	0.00	0.00	0.00
8,900.00	90.00	90.05	7,815.00	-734.95	1,098.21	1,098.85	0.00	0.00	0.00
9,000.00	90.00	90.05	7,815.00	-735.03	1,198.21	1,198.85	0.00	0.00	0.00
9,100.00	90.00	90.05	7,815.00	-735.12	1,298.21	1,298.85	0.00	0.00	0.00
9,200.00	90.00	90.05	7,815.00	-735.21	1,398.21	1,398.85	0.00	0.00	0.00
9,300.00	90.00	90.05	7,815.00	-735.30	1,498.21	1,498.85	0.00	0.00	0.00
9,400.00	90.00	90.05	7,815.00	-735.39	1,598.21	1,598.85	0.00	0.00	0.00
9,500.00	90.00	90.05	7,815.00	-735.48	1,698.21	1,698.85	0.00	0.00	0.00

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9,600.00	90.00	90.05	7,815.00	-735.57	1,798.21	1,798.85	0.00	0.00	0.00
9,700.00	90.00	90.05	7,815.00	-735.65	1,898.21	1,898.85	0.00	0.00	0.00
9,800.00	90.00	90.05	7,815.00	-735.74	1,998.21	1,998.85	0.00	0.00	0.00
9,900.00	90.00	90.05	7,815.00	-735.83	2,098.21	2,098.85	0.00	0.00	0.00
10,000.00	90.00	90.05	7,815.00	-735.92	2,198.21	2,198.85	0.00	0.00	0.00
10,100.00	90.00	90.05	7,815.00	-736.01	2,298.21	2,298.85	0.00	0.00	0.00
10,200.00	90.00	90.05	7,815.00	-736.10	2,398.21	2,398.85	0.00	0.00	0.00
10,300.00	90.00	90.05	7,815.00	-736.19	2,498.21	2,498.85	0.00	0.00	0.00
10,400.00	90.00	90.05	7,815.00	-736.27	2,598.21	2,598.85	0.00	0.00	0.00
10,500.00	90.00	90.05	7,815.00	-736.36	2,698.21	2,698.85	0.00	0.00	0.00
10,600.00	90.00	90.05	7,815.00	-736.45	2,798.21	2,798.85	0.00	0.00	0.00
10,700.00	90.00	90.05	7,815.00	-736.54	2,898.21	2,898.85	0.00	0.00	0.00
10,800.00	90.00	90.05	7,815.00	-736.63	2,998.21	2,998.85	0.00	0.00	0.00
10,900.00	90.00	90.05	7,815.00	-736.72	3,098.21	3,098.85	0.00	0.00	0.00
11,000.00	90.00	90.05	7,815.00	-736.81	3,198.21	3,198.85	0.00	0.00	0.00
11,100.00	90.00	90.05	7,815.00	-736.89	3,298.21	3,298.85	0.00	0.00	0.00
11,200.00	90.00	90.05	7,815.00	-736.98	3,398.21	3,398.85	0.00	0.00	0.00
11,300.00	90.00	90.05	7,815.00	-737.07	3,498.21	3,498.85	0.00	0.00	0.00
11,400.00	90.00	90.05	7,815.00	-737.16	3,598.21	3,598.85	0.00	0.00	0.00
11,500.00	90.00	90.05	7,815.00	-737.25	3,698.21	3,698.85	0.00	0.00	0.00
11,600.00	90.00	90.05	7,815.00	-737.34	3,798.21	3,798.85	0.00	0.00	0.00
11,700.00	90.00	90.05	7,815.00	-737.43	3,898.21	3,898.85	0.00	0.00	0.00
11,800.00	90.00	90.05	7,815.00	-737.51	3,998.21	3,998.85	0.00	0.00	0.00
11,900.00	90.00	90.05	7,815.00	-737.60	4,098.21	4,098.85	0.00	0.00	0.00
12,000.00	90.00	90.05	7,815.00	-737.69	4,198.21	4,198.85	0.00	0.00	0.00
12,100.00	90.00	90.05	7,815.00	-737.78	4,298.21	4,298.85	0.00	0.00	0.00
12,200.00	90.00	90.05	7,815.00	-737.87	4,398.21	4,398.85	0.00	0.00	0.00
12,300.00	90.00	90.05	7,815.00	-737.96	4,498.21	4,498.85	0.00	0.00	0.00
12,400.00	90.00	90.05	7,815.00	-738.05	4,598.21	4,598.85	0.00	0.00	0.00
12,500.00	90.00	90.05	7,815.00	-738.13	4,698.21	4,698.85	0.00	0.00	0.00
12,600.00	90.00	90.05	7,815.00	-738.22	4,798.21	4,798.85	0.00	0.00	0.00
12,700.00	90.00	90.05	7,815.00	-738.31	4,898.21	4,898.85	0.00	0.00	0.00
12,800.00	90.00	90.05	7,815.00	-738.40	4,998.21	4,998.85	0.00	0.00	0.00
12,900.00	90.00	90.05	7,815.00	-738.49	5,098.21	5,098.85	0.00	0.00	0.00
13,000.00	90.00	90.05	7,815.00	-738.58	5,198.21	5,198.85	0.00	0.00	0.00
13,100.00	90.00	90.05	7,815.00	-738.67	5,298.21	5,298.85	0.00	0.00	0.00
13,200.00	90.00	90.05	7,815.00	-738.75	5,398.21	5,398.85	0.00	0.00	0.00
13,300.00	90.00	90.05	7,815.00	-738.84	5,498.21	5,498.85	0.00	0.00	0.00
13,400.00	90.00	90.05	7,815.00	-738.93	5,598.21	5,598.85	0.00	0.00	0.00
13,500.00	90.00	90.05	7,815.00	-739.02	5,698.21	5,698.85	0.00	0.00	0.00
13,600.00	90.00	90.05	7,815.00	-739.11	5,798.21	5,798.85	0.00	0.00	0.00
13,700.00	90.00	90.05	7,815.00	-739.20	5,898.21	5,898.85	0.00	0.00	0.00
13,800.00	90.00	90.05	7,815.00	-739.28	5,998.21	5,998.85	0.00	0.00	0.00
13,900.00	90.00	90.05	7,815.00	-739.37	6,098.21	6,098.85	0.00	0.00	0.00
14,000.00	90.00	90.05	7,815.00	-739.46	6,198.21	6,198.85	0.00	0.00	0.00
14,100.00	90.00	90.05	7,815.00	-739.55	6,298.21	6,298.85	0.00	0.00	0.00
14,200.00	90.00	90.05	7,815.00	-739.64	6,398.21	6,398.85	0.00	0.00	0.00
14,300.00	90.00	90.05	7,815.00	-739.73	6,498.21	6,498.85	0.00	0.00	0.00
14,400.00	90.00	90.05	7,815.00	-739.82	6,598.21	6,598.85	0.00	0.00	0.00
14,500.00	90.00	90.05	7,815.00	-739.90	6,698.21	6,698.85	0.00	0.00	0.00
14,600.00	90.00	90.05	7,815.00	-739.99	6,798.21	6,798.85	0.00	0.00	0.00
14,700.00	90.00	90.05	7,815.00	-740.08	6,898.21	6,898.85	0.00	0.00	0.00
14,800.00	90.00	90.05	7,815.00	-740.17	6,998.21	6,998.85	0.00	0.00	0.00
14,900.00	90.00	90.05	7,815.00	-740.26	7,098.21	7,098.85	0.00	0.00	0.00

Pro Directional Planning Report

Database: WellPlanner1
Company: Matador Resources
Project: Eddy County, NM (NAD27)
Site: Leatherneck 3029 Fed Com
Well: #126H
Wellbore: OH
Design: Prelim A

Local Co-ordinate Reference: Well #126H
TVD Reference: 3240 + 28.5 = KB @ 3268.50usft (Patt 809)
MD Reference: 3240 + 28.5 = KB @ 3268.50usft (Patt 809)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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)
15,000.00	90.00	90.05	7,815.00	-740.35	7,198.21	7,198.85	0.00	0.00	0.00
15,100.00	90.00	90.05	7,815.00	-740.44	7,298.21	7,298.85	0.00	0.00	0.00
15,200.00	90.00	90.05	7,815.00	-740.52	7,398.21	7,398.85	0.00	0.00	0.00
15,300.00	90.00	90.05	7,815.00	-740.61	7,498.21	7,498.85	0.00	0.00	0.00
15,400.00	90.00	90.05	7,815.00	-740.70	7,598.21	7,598.85	0.00	0.00	0.00
15,500.00	90.00	90.05	7,815.00	-740.79	7,698.21	7,698.85	0.00	0.00	0.00
15,600.00	90.00	90.05	7,815.00	-740.88	7,798.21	7,798.85	0.00	0.00	0.00
15,700.00	90.00	90.05	7,815.00	-740.97	7,898.21	7,898.85	0.00	0.00	0.00
15,800.00	90.00	90.05	7,815.00	-741.06	7,998.21	7,998.85	0.00	0.00	0.00
15,900.00	90.00	90.05	7,815.00	-741.14	8,098.21	8,098.85	0.00	0.00	0.00
16,000.00	90.00	90.05	7,815.00	-741.23	8,198.21	8,198.85	0.00	0.00	0.00
16,100.00	90.00	90.05	7,815.00	-741.32	8,298.21	8,298.85	0.00	0.00	0.00
16,200.00	90.00	90.05	7,815.00	-741.41	8,398.21	8,398.85	0.00	0.00	0.00
16,300.00	90.00	90.05	7,815.00	-741.50	8,498.21	8,498.85	0.00	0.00	0.00
16,400.00	90.00	90.05	7,815.00	-741.59	8,598.21	8,598.85	0.00	0.00	0.00
16,500.00	90.00	90.05	7,815.00	-741.68	8,698.21	8,698.85	0.00	0.00	0.00
16,600.00	90.00	90.05	7,815.00	-741.76	8,798.21	8,798.85	0.00	0.00	0.00
16,700.00	90.00	90.05	7,815.00	-741.85	8,898.21	8,898.85	0.00	0.00	0.00
16,800.00	90.00	90.05	7,815.00	-741.94	8,998.21	8,998.85	0.00	0.00	0.00
16,900.00	90.00	90.05	7,815.00	-742.03	9,098.21	9,098.85	0.00	0.00	0.00
17,000.00	90.00	90.05	7,815.00	-742.12	9,198.21	9,198.85	0.00	0.00	0.00
17,100.00	90.00	90.05	7,815.00	-742.21	9,298.21	9,298.85	0.00	0.00	0.00
17,200.00	90.00	90.05	7,815.00	-742.30	9,398.21	9,398.85	0.00	0.00	0.00
17,300.00	90.00	90.05	7,815.00	-742.38	9,498.21	9,498.85	0.00	0.00	0.00
17,400.00	90.00	90.05	7,815.00	-742.47	9,598.21	9,598.85	0.00	0.00	0.00
17,500.00	90.00	90.05	7,815.00	-742.56	9,698.21	9,698.85	0.00	0.00	0.00
17,600.00	90.00	90.05	7,815.00	-742.65	9,798.21	9,798.85	0.00	0.00	0.00
17,700.00	90.00	90.05	7,815.00	-742.74	9,898.21	9,898.85	0.00	0.00	0.00
17,800.00	90.00	90.05	7,815.00	-742.83	9,998.21	9,998.85	0.00	0.00	0.00
17,900.00	90.00	90.05	7,815.00	-742.92	10,098.21	10,098.85	0.00	0.00	0.00
17,995.79	90.00	90.05	7,815.00	-743.00	10,194.00	10,194.64	0.00	0.00	0.00

Design Targets

Target Name

- hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
BHL (Leatherneck Fer - plan hits target center - Point	0.00	0.00	7,815.00	-743.00	10,194.00	562,144.00	575,506.00	32.545203	-104.088301
FPP (Leatherneck Fer - plan misses target center by 218.07usft at 7792.51usft MD (7673.68 TVD, -816.36 N, 30.22 E) - Point	0.00	0.00	7,815.00	-734.00	-114.00	562,153.00	565,198.00	32.545289	-104.121752