

Matador Resources

**Eddy County, NM (NAD27)
Leatherneck 3029 Fed Com
#125H**

OH

RECEIVED

JUL 29 2019

Plan: Prelim A

DISTRICT II-ARTESIA O.C.D.

Standard Planning Report

22 May, 2019

Pro Directional Planning Report

Database:	WellPlanner1	Local Co-ordinate Reference:	Well #125H
Company:	Matador Resources	TVD Reference:	3240 + 28.5 = KB @ 3268.50usft (Patt 809)
Project:	Eddy County, NM (NAD27)	MD Reference:	3240 + 28.5 = KB @ 3268.50usft (Patt 809)
Site:	Leatherneck 3029 Fed Com	North Reference:	Grid
Well:	#125H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Prelim A		

Project	Eddy County, NM (NAD27)	System Datum:	Mean Sea Level
Map System:	US State Plane 1927 (Exact solution)		
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	#125H		
Well Position	+N/-S	0.00 usft	Northing: 562,887.00 usft
	+E/-W	0.00 usft	Easting: 565,342.00 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	Latitude: 32.547306
			Longitude: -104.121280
			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 (°) 90.03

Plan Survey Tool Program	Date 5/22/2019		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name
1	0.00	17,952.07 Prelim A (OH)	MWD+HDGM
			OWSG MWD + HRGM
			Remarks

Pro Directional Planning Report

Database: WellPlanner1
Company: Matador Resources
Project: Eddy County, NM (NAD27)
Site: Leatherneck 3029 Fed Com
Well: #125H
Wellbore: OH
Design: Prelim A

Local Co-ordinate Reference: Well #125H
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

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	
1,150.00	3.00	310.00	1,149.93	2.52	-3.01	2.00	2.00	0.00	310.00	
2,501.92	3.00	310.00	2,500.00	48.00	-57.21	0.00	0.00	0.00	0.00	
2,698.11	6.22	340.19	2,695.55	61.30	-64.74	2.00	1.64	15.39	52.72	
5,710.05	6.22	340.19	5,689.78	368.15	-175.29	0.00	0.00	0.00	0.00	
6,020.88	0.00	0.00	6,000.00	384.00	-181.00	2.00	-2.00	0.00	180.00	
7,225.87	0.00	0.00	7,204.99	384.00	-181.00	0.00	0.00	0.00	0.00	
7,675.87	45.00	57.00	7,610.13	475.40	-40.26	10.00	10.00	0.00	57.00	
8,212.36	90.00	90.05	7,815.00	586.75	421.29	10.00	8.39	6.16	42.61	
17,952.07	90.00	90.05	7,815.00	579.00	10,161.00	0.00	0.00	0.00	0.00	BHL (Leatherneck f

Pro Directional Planning Report

Database: WellPlanner1
Company: Matador Resources
Project: Eddy County, NM (NAD27)
Site: Leatherneck 3029 Fed Com
Well: #125H
Wellbore: OH
Design: Prelim A

Local Co-ordinate Reference: Well #125H
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)
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	310.00	1,099.98	1.12	-1.34	-1.34	2.00	2.00	0.00
1,150.00	3.00	310.00	1,149.93	2.52	-3.01	-3.01	2.00	2.00	0.00
1,200.00	3.00	310.00	1,199.86	4.21	-5.01	-5.01	0.00	0.00	0.00
1,300.00	3.00	310.00	1,299.73	7.57	-9.02	-9.03	0.00	0.00	0.00
1,400.00	3.00	310.00	1,399.59	10.93	-13.03	-13.04	0.00	0.00	0.00
1,500.00	3.00	310.00	1,499.45	14.30	-17.04	-17.05	0.00	0.00	0.00
1,600.00	3.00	310.00	1,599.31	17.66	-21.05	-21.06	0.00	0.00	0.00
1,700.00	3.00	310.00	1,699.18	21.03	-25.06	-25.07	0.00	0.00	0.00
1,800.00	3.00	310.00	1,799.04	24.39	-29.07	-29.08	0.00	0.00	0.00
1,900.00	3.00	310.00	1,898.90	27.75	-33.08	-33.09	0.00	0.00	0.00
2,000.00	3.00	310.00	1,998.77	31.12	-37.09	-37.10	0.00	0.00	0.00
2,100.00	3.00	310.00	2,098.63	34.48	-41.09	-41.11	0.00	0.00	0.00
2,200.00	3.00	310.00	2,198.49	37.85	-45.10	-45.12	0.00	0.00	0.00
2,300.00	3.00	310.00	2,298.36	41.21	-49.11	-49.13	0.00	0.00	0.00
2,400.00	3.00	310.00	2,398.22	44.57	-53.12	-53.15	0.00	0.00	0.00
2,501.92	3.00	310.00	2,500.00	48.00	-57.21	-57.23	0.00	0.00	0.00
2,600.00	4.47	330.46	2,597.87	52.98	-61.06	-61.09	2.00	1.50	20.86
2,698.11	6.22	340.19	2,695.55	61.30	-64.74	-64.78	2.00	1.78	9.92
2,700.00	6.22	340.19	2,697.43	61.49	-64.81	-64.85	0.00	0.00	0.00
2,800.00	6.22	340.19	2,796.84	71.68	-68.48	-68.52	0.00	0.00	0.00
2,900.00	6.22	340.19	2,896.26	81.87	-72.15	-72.20	0.00	0.00	0.00
3,000.00	6.22	340.19	2,995.67	92.06	-75.82	-75.87	0.00	0.00	0.00
3,100.00	6.22	340.19	3,095.08	102.25	-79.49	-79.55	0.00	0.00	0.00
3,200.00	6.22	340.19	3,194.49	112.43	-83.17	-83.22	0.00	0.00	0.00
3,300.00	6.22	340.19	3,293.90	122.62	-86.84	-86.90	0.00	0.00	0.00
3,400.00	6.22	340.19	3,393.32	132.81	-90.51	-90.58	0.00	0.00	0.00
3,500.00	6.22	340.19	3,492.73	143.00	-94.18	-94.25	0.00	0.00	0.00
3,600.00	6.22	340.19	3,592.14	153.18	-97.85	-97.93	0.00	0.00	0.00
3,700.00	6.22	340.19	3,691.55	163.37	-101.52	-101.60	0.00	0.00	0.00
3,800.00	6.22	340.19	3,790.96	173.56	-105.19	-105.28	0.00	0.00	0.00
3,900.00	6.22	340.19	3,890.38	183.75	-108.86	-108.95	0.00	0.00	0.00
4,000.00	6.22	340.19	3,989.79	193.94	-112.53	-112.63	0.00	0.00	0.00
4,100.00	6.22	340.19	4,089.20	204.12	-116.20	-116.30	0.00	0.00	0.00
4,200.00	6.22	340.19	4,188.61	214.31	-119.87	-119.98	0.00	0.00	0.00
4,300.00	6.22	340.19	4,288.02	224.50	-123.54	-123.66	0.00	0.00	0.00
4,400.00	6.22	340.19	4,387.44	234.69	-127.21	-127.33	0.00	0.00	0.00
4,500.00	6.22	340.19	4,486.85	244.87	-130.88	-131.01	0.00	0.00	0.00
4,600.00	6.22	340.19	4,586.26	255.06	-134.55	-134.68	0.00	0.00	0.00
4,700.00	6.22	340.19	4,685.67	265.25	-138.22	-138.36	0.00	0.00	0.00
4,800.00	6.22	340.19	4,785.08	275.44	-141.89	-142.03	0.00	0.00	0.00
4,900.00	6.22	340.19	4,884.50	285.63	-145.56	-145.71	0.00	0.00	0.00
5,000.00	6.22	340.19	4,983.91	295.81	-149.23	-149.38	0.00	0.00	0.00
5,100.00	6.22	340.19	5,083.32	306.00	-152.90	-153.06	0.00	0.00	0.00

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5,200.00	6.22	340.19	5,182.73	316.19	-156.57	-156.74	0.00	0.00	0.00
5,300.00	6.22	340.19	5,282.14	326.38	-160.24	-160.41	0.00	0.00	0.00
5,400.00	6.22	340.19	5,381.56	336.56	-163.91	-164.09	0.00	0.00	0.00
5,500.00	6.22	340.19	5,480.97	346.75	-167.58	-167.76	0.00	0.00	0.00
5,600.00	6.22	340.19	5,580.38	356.94	-171.25	-171.44	0.00	0.00	0.00
5,700.00	6.22	340.19	5,679.79	367.13	-174.92	-175.11	0.00	0.00	0.00
5,710.05	6.22	340.19	5,689.78	368.15	-175.29	-175.48	0.00	0.00	0.00
5,800.00	4.42	340.19	5,779.34	375.99	-178.12	-178.31	2.00	-2.00	0.00
5,900.00	2.42	340.19	5,879.16	381.60	-180.14	-180.34	2.00	-2.00	0.00
6,000.00	0.42	340.19	5,979.12	383.93	-180.97	-181.18	2.00	-2.00	0.00
6,020.88	0.00	0.00	6,000.00	384.00	-181.00	-181.20	2.00	-2.00	0.00
6,100.00	0.00	0.00	6,079.12	384.00	-181.00	-181.20	0.00	0.00	0.00
6,200.00	0.00	0.00	6,179.12	384.00	-181.00	-181.20	0.00	0.00	0.00
6,300.00	0.00	0.00	6,279.12	384.00	-181.00	-181.20	0.00	0.00	0.00
6,400.00	0.00	0.00	6,379.12	384.00	-181.00	-181.20	0.00	0.00	0.00
6,500.00	0.00	0.00	6,479.12	384.00	-181.00	-181.20	0.00	0.00	0.00
6,600.00	0.00	0.00	6,579.12	384.00	-181.00	-181.20	0.00	0.00	0.00
6,700.00	0.00	0.00	6,679.12	384.00	-181.00	-181.20	0.00	0.00	0.00
6,800.00	0.00	0.00	6,779.12	384.00	-181.00	-181.20	0.00	0.00	0.00
6,900.00	0.00	0.00	6,879.12	384.00	-181.00	-181.20	0.00	0.00	0.00
7,000.00	0.00	0.00	6,979.12	384.00	-181.00	-181.20	0.00	0.00	0.00
7,100.00	0.00	0.00	7,079.12	384.00	-181.00	-181.20	0.00	0.00	0.00
7,200.00	0.00	0.00	7,179.12	384.00	-181.00	-181.20	0.00	0.00	0.00
7,225.87	0.00	0.00	7,204.99	384.00	-181.00	-181.20	0.00	0.00	0.00
7,250.00	2.41	57.00	7,229.12	384.28	-180.57	-180.77	10.00	10.00	0.00
7,300.00	7.41	57.00	7,278.92	386.61	-176.98	-177.19	10.00	10.00	0.00
7,350.00	12.41	57.00	7,328.15	391.30	-169.77	-169.97	10.00	10.00	0.00
7,400.00	17.41	57.00	7,376.45	398.30	-158.98	-159.19	10.00	10.00	0.00
7,450.00	22.41	57.00	7,423.45	407.57	-144.70	-144.91	10.00	10.00	0.00
7,500.00	27.41	57.00	7,468.78	419.04	-127.04	-127.26	10.00	10.00	0.00
7,550.00	32.41	57.00	7,512.11	432.62	-106.14	-106.36	10.00	10.00	0.00
7,600.00	37.41	57.00	7,553.10	448.20	-82.14	-82.38	10.00	10.00	0.00
7,650.00	42.41	57.00	7,591.44	465.67	-55.25	-55.49	10.00	10.00	0.00
7,675.87	45.00	57.00	7,610.13	475.40	-40.26	-40.51	10.00	10.00	0.00
7,700.00	46.80	59.24	7,626.93	484.55	-25.54	-25.80	10.00	7.45	9.29
7,750.00	50.65	63.49	7,659.91	502.51	7.44	7.18	10.00	7.70	8.49
7,800.00	54.64	67.28	7,690.25	519.02	43.57	43.30	10.00	7.98	7.59
7,850.00	58.74	70.71	7,717.71	533.96	82.57	82.29	10.00	8.19	6.86
7,900.00	62.92	73.85	7,742.08	547.22	124.15	123.86	10.00	8.36	6.29
7,950.00	67.16	76.77	7,763.18	558.69	167.98	167.69	10.00	8.49	5.83
8,000.00	71.46	79.51	7,780.85	568.29	213.75	213.45	10.00	8.59	5.47
8,050.00	75.79	82.11	7,794.94	575.94	261.09	260.79	10.00	8.67	5.20
8,100.00	80.15	84.61	7,805.36	581.58	309.65	309.34	10.00	8.72	5.01
8,150.00	84.53	87.05	7,812.03	585.18	359.05	358.75	10.00	8.76	4.88
8,200.00	88.91	89.45	7,814.89	586.70	408.93	408.63	10.00	8.77	4.81
8,212.36	90.00	90.05	7,815.00	586.75	421.29	420.99	10.00	8.78	4.79
8,300.00	90.00	90.05	7,815.00	586.68	508.93	508.63	0.00	0.00	0.00
8,400.00	90.00	90.05	7,815.00	586.60	608.93	608.63	0.00	0.00	0.00
8,500.00	90.00	90.05	7,815.00	586.52	708.93	708.63	0.00	0.00	0.00
8,600.00	90.00	90.05	7,815.00	586.44	808.93	808.63	0.00	0.00	0.00
8,700.00	90.00	90.05	7,815.00	586.36	908.93	908.63	0.00	0.00	0.00
8,800.00	90.00	90.05	7,815.00	586.28	1,008.93	1,008.63	0.00	0.00	0.00
8,900.00	90.00	90.05	7,815.00	586.20	1,108.93	1,108.63	0.00	0.00	0.00
9,000.00	90.00	90.05	7,815.00	586.12	1,208.93	1,208.63	0.00	0.00	0.00

Pro Directional Planning Report

Database: WellPlanner1
Company: Matador Resources
Project: Eddy County, NM (NAD27)
Site: Leatherneck 3029 Fed Corn
Well: #125H
Wellbore: OH
Design: Prelim A

Local Co-ordinate Reference: Well #125H
TVD Reference: 3240 + 28.5 = KB @ 3268.50usft (Patt 809)
MD Reference: 3240 + 28.5 = KB @ 3268.50usft (Patt 809)
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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)
9,100.00	90.00	90.05	7,815.00	586.04	1,308.93	1,308.63	0.00	0.00	0.00
9,200.00	90.00	90.05	7,815.00	585.96	1,408.93	1,408.63	0.00	0.00	0.00
9,300.00	90.00	90.05	7,815.00	585.88	1,508.93	1,508.63	0.00	0.00	0.00
9,400.00	90.00	90.05	7,815.00	585.80	1,608.93	1,608.63	0.00	0.00	0.00
9,500.00	90.00	90.05	7,815.00	585.73	1,708.93	1,708.63	0.00	0.00	0.00
9,600.00	90.00	90.05	7,815.00	585.65	1,808.93	1,808.63	0.00	0.00	0.00
9,700.00	90.00	90.05	7,815.00	585.57	1,908.93	1,908.63	0.00	0.00	0.00
9,800.00	90.00	90.05	7,815.00	585.49	2,008.93	2,008.63	0.00	0.00	0.00
9,900.00	90.00	90.05	7,815.00	585.41	2,108.93	2,108.63	0.00	0.00	0.00
10,000.00	90.00	90.05	7,815.00	585.33	2,208.93	2,208.63	0.00	0.00	0.00
10,100.00	90.00	90.05	7,815.00	585.25	2,308.93	2,308.63	0.00	0.00	0.00
10,200.00	90.00	90.05	7,815.00	585.17	2,408.93	2,408.63	0.00	0.00	0.00
10,300.00	90.00	90.05	7,815.00	585.09	2,508.93	2,508.63	0.00	0.00	0.00
10,400.00	90.00	90.05	7,815.00	585.01	2,608.93	2,608.63	0.00	0.00	0.00
10,500.00	90.00	90.05	7,815.00	584.93	2,708.93	2,708.63	0.00	0.00	0.00
10,600.00	90.00	90.05	7,815.00	584.85	2,808.93	2,808.63	0.00	0.00	0.00
10,700.00	90.00	90.05	7,815.00	584.77	2,908.93	2,908.63	0.00	0.00	0.00
10,800.00	90.00	90.05	7,815.00	584.69	3,008.93	3,008.63	0.00	0.00	0.00
10,900.00	90.00	90.05	7,815.00	584.61	3,108.93	3,108.63	0.00	0.00	0.00
11,000.00	90.00	90.05	7,815.00	584.53	3,208.93	3,208.63	0.00	0.00	0.00
11,100.00	90.00	90.05	7,815.00	584.45	3,308.93	3,308.63	0.00	0.00	0.00
11,200.00	90.00	90.05	7,815.00	584.37	3,408.93	3,408.63	0.00	0.00	0.00
11,300.00	90.00	90.05	7,815.00	584.29	3,508.93	3,508.63	0.00	0.00	0.00
11,400.00	90.00	90.05	7,815.00	584.21	3,608.93	3,608.63	0.00	0.00	0.00
11,500.00	90.00	90.05	7,815.00	584.13	3,708.93	3,708.63	0.00	0.00	0.00
11,600.00	90.00	90.05	7,815.00	584.05	3,808.93	3,808.63	0.00	0.00	0.00
11,700.00	90.00	90.05	7,815.00	583.97	3,908.93	3,908.63	0.00	0.00	0.00
11,800.00	90.00	90.05	7,815.00	583.90	4,008.93	4,008.63	0.00	0.00	0.00
11,900.00	90.00	90.05	7,815.00	583.82	4,108.93	4,108.63	0.00	0.00	0.00
12,000.00	90.00	90.05	7,815.00	583.74	4,208.93	4,208.63	0.00	0.00	0.00
12,100.00	90.00	90.05	7,815.00	583.66	4,308.93	4,308.63	0.00	0.00	0.00
12,200.00	90.00	90.05	7,815.00	583.58	4,408.93	4,408.63	0.00	0.00	0.00
12,300.00	90.00	90.05	7,815.00	583.50	4,508.93	4,508.63	0.00	0.00	0.00
12,400.00	90.00	90.05	7,815.00	583.42	4,608.93	4,608.63	0.00	0.00	0.00
12,500.00	90.00	90.05	7,815.00	583.34	4,708.93	4,708.63	0.00	0.00	0.00
12,600.00	90.00	90.05	7,815.00	583.26	4,808.93	4,808.63	0.00	0.00	0.00
12,700.00	90.00	90.05	7,815.00	583.18	4,908.93	4,908.63	0.00	0.00	0.00
12,800.00	90.00	90.05	7,815.00	583.10	5,008.93	5,008.63	0.00	0.00	0.00
12,900.00	90.00	90.05	7,815.00	583.02	5,108.93	5,108.63	0.00	0.00	0.00
13,000.00	90.00	90.05	7,815.00	582.94	5,208.93	5,208.63	0.00	0.00	0.00
13,100.00	90.00	90.05	7,815.00	582.86	5,308.93	5,308.63	0.00	0.00	0.00
13,200.00	90.00	90.05	7,815.00	582.78	5,408.93	5,408.63	0.00	0.00	0.00
13,300.00	90.00	90.05	7,815.00	582.70	5,508.93	5,508.63	0.00	0.00	0.00
13,400.00	90.00	90.05	7,815.00	582.62	5,608.93	5,608.63	0.00	0.00	0.00
13,500.00	90.00	90.05	7,815.00	582.54	5,708.93	5,708.63	0.00	0.00	0.00
13,600.00	90.00	90.05	7,815.00	582.46	5,808.93	5,808.63	0.00	0.00	0.00
13,700.00	90.00	90.05	7,815.00	582.38	5,908.93	5,908.63	0.00	0.00	0.00
13,800.00	90.00	90.05	7,815.00	582.30	6,008.93	6,008.63	0.00	0.00	0.00
13,900.00	90.00	90.05	7,815.00	582.22	6,108.93	6,108.63	0.00	0.00	0.00
14,000.00	90.00	90.05	7,815.00	582.14	6,208.93	6,208.63	0.00	0.00	0.00
14,100.00	90.00	90.05	7,815.00	582.06	6,308.93	6,308.63	0.00	0.00	0.00
14,200.00	90.00	90.05	7,815.00	581.99	6,408.93	6,408.63	0.00	0.00	0.00
14,300.00	90.00	90.05	7,815.00	581.91	6,508.93	6,508.63	0.00	0.00	0.00
14,400.00	90.00	90.05	7,815.00	581.83	6,608.93	6,608.63	0.00	0.00	0.00

Pro Directional Planning Report

Database:	WellPlanner1	Local Co-ordinate Reference:	Well #125H
Company:	Matador Resources	TVD Reference:	3240 + 28.5 = KB @ 3268.50usft (Patt 809)
Project:	Eddy County, NM (NAD27)	MD Reference:	3240 + 28.5 = KB @ 3268.50usft (Patt 809)
Site:	Leatherneck 3029 Fed Com	North Reference:	Grid
Well:	#125H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Prelim A		

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)
14,500.00	90.00	90.05	7,815.00	581.75	6,708.93	6,708.63	0.00	0.00	0.00
14,600.00	90.00	90.05	7,815.00	581.67	6,808.93	6,808.63	0.00	0.00	0.00
14,700.00	90.00	90.05	7,815.00	581.59	6,908.93	6,908.63	0.00	0.00	0.00
14,800.00	90.00	90.05	7,815.00	581.51	7,008.93	7,008.63	0.00	0.00	0.00
14,900.00	90.00	90.05	7,815.00	581.43	7,108.93	7,108.63	0.00	0.00	0.00
15,000.00	90.00	90.05	7,815.00	581.35	7,208.93	7,208.63	0.00	0.00	0.00
15,100.00	90.00	90.05	7,815.00	581.27	7,308.93	7,308.63	0.00	0.00	0.00
15,200.00	90.00	90.05	7,815.00	581.19	7,408.93	7,408.63	0.00	0.00	0.00
15,300.00	90.00	90.05	7,815.00	581.11	7,508.93	7,508.63	0.00	0.00	0.00
15,400.00	90.00	90.05	7,815.00	581.03	7,608.93	7,608.63	0.00	0.00	0.00
15,500.00	90.00	90.05	7,815.00	580.95	7,708.93	7,708.63	0.00	0.00	0.00
15,600.00	90.00	90.05	7,815.00	580.87	7,808.93	7,808.63	0.00	0.00	0.00
15,700.00	90.00	90.05	7,815.00	580.79	7,908.93	7,908.63	0.00	0.00	0.00
15,800.00	90.00	90.05	7,815.00	580.71	8,008.93	8,008.63	0.00	0.00	0.00
15,900.00	90.00	90.05	7,815.00	580.63	8,108.93	8,108.63	0.00	0.00	0.00
16,000.00	90.00	90.05	7,815.00	580.55	8,208.93	8,208.63	0.00	0.00	0.00
16,100.00	90.00	90.05	7,815.00	580.47	8,308.93	8,308.63	0.00	0.00	0.00
16,200.00	90.00	90.05	7,815.00	580.39	8,408.93	8,408.63	0.00	0.00	0.00
16,300.00	90.00	90.05	7,815.00	580.31	8,508.93	8,508.63	0.00	0.00	0.00
16,400.00	90.00	90.05	7,815.00	580.23	8,608.93	8,608.62	0.00	0.00	0.00
16,500.00	90.00	90.05	7,815.00	580.16	8,708.93	8,708.62	0.00	0.00	0.00
16,600.00	90.00	90.05	7,815.00	580.08	8,808.93	8,808.62	0.00	0.00	0.00
16,700.00	90.00	90.05	7,815.00	580.00	8,908.93	8,908.62	0.00	0.00	0.00
16,800.00	90.00	90.05	7,815.00	579.92	9,008.93	9,008.62	0.00	0.00	0.00
16,900.00	90.00	90.05	7,815.00	579.84	9,108.93	9,108.62	0.00	0.00	0.00
17,000.00	90.00	90.05	7,815.00	579.76	9,208.93	9,208.62	0.00	0.00	0.00
17,100.00	90.00	90.05	7,815.00	579.68	9,308.93	9,308.62	0.00	0.00	0.00
17,200.00	90.00	90.05	7,815.00	579.60	9,408.93	9,408.62	0.00	0.00	0.00
17,300.00	90.00	90.05	7,815.00	579.52	9,508.93	9,508.62	0.00	0.00	0.00
17,400.00	90.00	90.05	7,815.00	579.44	9,608.93	9,608.62	0.00	0.00	0.00
17,500.00	90.00	90.05	7,815.00	579.36	9,708.93	9,708.62	0.00	0.00	0.00
17,600.00	90.00	90.05	7,815.00	579.28	9,808.93	9,808.62	0.00	0.00	0.00
17,700.00	90.00	90.05	7,815.00	579.20	9,908.93	9,908.62	0.00	0.00	0.00
17,800.00	90.00	90.05	7,815.00	579.12	10,008.93	10,008.62	0.00	0.00	0.00
17,900.00	90.00	90.05	7,815.00	579.04	10,108.93	10,108.62	0.00	0.00	0.00
17,952.07	90.00	90.05	7,815.00	579.00	10,161.00	10,160.70	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									
FPP (Leatherneck Fei	0.00	0.00	7,815.00	584.00	-131.00	563,471.00	565,211.00	32.548912	-104.121702
- plan misses target center by 221.77usft at 7771.00usft MD (7672.99 TVD, 509.63 N, 22.25 E)									
- Point									
BHL (Leatherneck Fei	0.00	0.00	7,815.00	579.00	10,161.00	563,466.00	575,503.00	32.548837	-104.088301
- plan hits target center									
- Point									