

Matador Resources

Eddy County, NM (NAD27)
Leatherneck 3029 Fed Com
#206H

OH

Plan: Prelim A

Standard Planning Report

22 May, 2019

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DISTRICT II-ARTESIA O.C.D.

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DISTRICT II-ARTESIA O.C.D.

Pro Directional Planning Report

Database: WellPlanner1
Company: Matador Resources
Project: Eddy County, NM (NAD27)
Site: Leatherneck 3029 Fed Com
Well: #206H
Wellbore: OH
Design: Prelim A

Local Co-ordinate Reference: Well #206H
TVD Reference: 3241 + 28.5 = KB @ 3269.50usft (Patt 809)
MD Reference: 3241 + 28.5 = KB @ 3269.50usft (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	Latitude:	32.547306	
From:	Map	Easting:	565,342.00 usft	Longitude:	-104.121280	
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.11 °	
Well	#206H					
Well Position	+N/-S	30.00 usft	Northing:	562,917.00 usft	Latitude:	32.547388
	+E/-W	-30.00 usft	Easting:	565,312.00 usft	Longitude:	-104.121377
Position Uncertainty	0.00 usft	Wellhead Elevation:		Ground Level:	3,241.00 usft	

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	5/20/2019	7.20	60.30	47,977.70

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)	Direction (°)
	0.00	0.00	0.00	90.05

Plan Survey Tool Program	Date 5/22/2019			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	19,410.64 Prelim A (OH)	MWD+HDGM OWSG MWD + HRGM	

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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	
1,100.00	2.00	245.00	1,099.98	-0.74	-1.58	2.00	2.00	0.00	245.00	
2,500.87	2.00	245.00	2,500.00	-21.40	-45.89	0.00	0.00	0.00	0.00	
2,776.13	6.41	190.23	2,774.52	-38.57	-52.98	2.00	1.60	-19.90	-71.97	
8,215.72	6.41	190.23	8,180.08	-636.37	-160.82	0.00	0.00	0.00	0.00	
8,536.30	0.00	0.00	8,500.00	-654.00	-164.00	2.00	-2.00	0.00	180.00	
8,718.34	0.00	0.00	8,682.04	-654.00	-164.00	0.00	0.00	0.00	0.00	
9,618.34	90.00	98.20	9,255.00	-735.72	403.10	10.00	10.00	0.00	98.20	
10,025.90	90.00	90.05	9,255.00	-765.01	809.26	2.00	0.00	-2.00	-90.00	
19,410.64	90.00	90.05	9,255.00	-773.00	10,194.00	0.00	0.00	0.00	0.00	BHL (Leatherneck f

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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	245.00	1,099.98	-0.74	-1.58	-1.58	2.00	2.00	0.00
1,200.00	2.00	245.00	1,199.92	-2.21	-4.74	-4.74	0.00	0.00	0.00
1,300.00	2.00	245.00	1,299.86	-3.69	-7.91	-7.90	0.00	0.00	0.00
1,400.00	2.00	245.00	1,399.80	-5.16	-11.07	-11.07	0.00	0.00	0.00
1,500.00	2.00	245.00	1,499.74	-6.64	-14.23	-14.23	0.00	0.00	0.00
1,600.00	2.00	245.00	1,599.68	-8.11	-17.40	-17.39	0.00	0.00	0.00
1,700.00	2.00	245.00	1,699.61	-9.59	-20.56	-20.55	0.00	0.00	0.00
1,800.00	2.00	245.00	1,799.55	-11.06	-23.72	-23.71	0.00	0.00	0.00
1,900.00	2.00	245.00	1,899.49	-12.54	-26.89	-26.87	0.00	0.00	0.00
2,000.00	2.00	245.00	1,999.43	-14.01	-30.05	-30.04	0.00	0.00	0.00
2,100.00	2.00	245.00	2,099.37	-15.49	-33.21	-33.20	0.00	0.00	0.00
2,200.00	2.00	245.00	2,199.31	-16.96	-36.37	-36.36	0.00	0.00	0.00
2,300.00	2.00	245.00	2,299.25	-18.44	-39.54	-39.52	0.00	0.00	0.00
2,400.00	2.00	245.00	2,399.19	-19.91	-42.70	-42.68	0.00	0.00	0.00
2,500.87	2.00	245.00	2,500.00	-21.40	-45.89	-45.87	0.00	0.00	0.00
2,600.00	3.22	209.18	2,599.03	-24.56	-48.82	-48.80	2.00	1.23	-36.13
2,700.00	4.98	195.45	2,698.77	-31.20	-51.34	-51.32	2.00	1.76	-13.73
2,776.13	6.41	190.23	2,774.52	-38.57	-52.98	-52.94	2.00	1.88	-6.86
2,800.00	6.41	190.23	2,798.24	-41.19	-53.45	-53.42	0.00	0.00	0.00
2,900.00	6.41	190.23	2,897.62	-52.18	-55.43	-55.39	0.00	0.00	0.00
3,000.00	6.41	190.23	2,996.99	-63.17	-57.42	-57.36	0.00	0.00	0.00
3,100.00	6.41	190.23	3,096.37	-74.16	-59.40	-59.33	0.00	0.00	0.00
3,200.00	6.41	190.23	3,195.74	-85.15	-61.38	-61.31	0.00	0.00	0.00
3,300.00	6.41	190.23	3,295.12	-96.14	-63.36	-63.28	0.00	0.00	0.00
3,400.00	6.41	190.23	3,394.49	-107.13	-65.35	-65.25	0.00	0.00	0.00
3,500.00	6.41	190.23	3,493.87	-118.12	-67.33	-67.23	0.00	0.00	0.00
3,600.00	6.41	190.23	3,593.24	-129.11	-69.31	-69.20	0.00	0.00	0.00
3,700.00	6.41	190.23	3,692.61	-140.10	-71.29	-71.17	0.00	0.00	0.00
3,800.00	6.41	190.23	3,791.99	-151.09	-73.28	-73.14	0.00	0.00	0.00
3,900.00	6.41	190.23	3,891.36	-162.08	-75.26	-75.12	0.00	0.00	0.00
4,000.00	6.41	190.23	3,990.74	-173.07	-77.24	-77.09	0.00	0.00	0.00
4,100.00	6.41	190.23	4,090.11	-184.06	-79.22	-79.06	0.00	0.00	0.00
4,200.00	6.41	190.23	4,189.49	-195.05	-81.21	-81.04	0.00	0.00	0.00
4,300.00	6.41	190.23	4,288.86	-206.04	-83.19	-83.01	0.00	0.00	0.00
4,400.00	6.41	190.23	4,388.24	-217.03	-85.17	-84.98	0.00	0.00	0.00
4,500.00	6.41	190.23	4,487.61	-228.02	-87.15	-86.95	0.00	0.00	0.00
4,600.00	6.41	190.23	4,586.98	-239.01	-89.14	-88.93	0.00	0.00	0.00
4,700.00	6.41	190.23	4,686.36	-250.00	-91.12	-90.90	0.00	0.00	0.00
4,800.00	6.41	190.23	4,785.73	-260.99	-93.10	-92.87	0.00	0.00	0.00
4,900.00	6.41	190.23	4,885.11	-271.98	-95.08	-94.85	0.00	0.00	0.00
5,000.00	6.41	190.23	4,984.48	-282.97	-97.07	-96.82	0.00	0.00	0.00
5,100.00	6.41	190.23	5,083.86	-293.96	-99.05	-98.79	0.00	0.00	0.00
5,200.00	6.41	190.23	5,183.23	-304.95	-101.03	-100.77	0.00	0.00	0.00

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Design: Prelim A

Local Co-ordinate Reference: Well #206H
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5,300.00	6.41	190.23	5,282.61	-315.94	-103.01	-102.74	0.00	0.00	0.00
5,400.00	6.41	190.23	5,381.98	-326.93	-105.00	-104.71	0.00	0.00	0.00
5,500.00	6.41	190.23	5,481.36	-337.91	-106.98	-106.68	0.00	0.00	0.00
5,600.00	6.41	190.23	5,580.73	-348.90	-108.96	-108.66	0.00	0.00	0.00
5,700.00	6.41	190.23	5,680.10	-359.89	-110.94	-110.63	0.00	0.00	0.00
5,800.00	6.41	190.23	5,779.48	-370.88	-112.93	-112.60	0.00	0.00	0.00
5,900.00	6.41	190.23	5,878.85	-381.87	-114.91	-114.58	0.00	0.00	0.00
6,000.00	6.41	190.23	5,978.23	-392.86	-116.89	-116.55	0.00	0.00	0.00
6,100.00	6.41	190.23	6,077.60	-403.85	-118.87	-118.52	0.00	0.00	0.00
6,200.00	6.41	190.23	6,176.98	-414.84	-120.86	-120.49	0.00	0.00	0.00
6,300.00	6.41	190.23	6,276.35	-425.83	-122.84	-122.47	0.00	0.00	0.00
6,400.00	6.41	190.23	6,375.73	-436.82	-124.82	-124.44	0.00	0.00	0.00
6,500.00	6.41	190.23	6,475.10	-447.81	-126.80	-126.41	0.00	0.00	0.00
6,600.00	6.41	190.23	6,574.48	-458.80	-128.79	-128.39	0.00	0.00	0.00
6,700.00	6.41	190.23	6,673.85	-469.79	-130.77	-130.36	0.00	0.00	0.00
6,800.00	6.41	190.23	6,773.22	-480.78	-132.75	-132.33	0.00	0.00	0.00
6,900.00	6.41	190.23	6,872.60	-491.77	-134.73	-134.31	0.00	0.00	0.00
7,000.00	6.41	190.23	6,971.97	-502.76	-136.72	-136.28	0.00	0.00	0.00
7,100.00	6.41	190.23	7,071.35	-513.75	-138.70	-138.25	0.00	0.00	0.00
7,200.00	6.41	190.23	7,170.72	-524.74	-140.68	-140.22	0.00	0.00	0.00
7,300.00	6.41	190.23	7,270.10	-535.73	-142.66	-142.20	0.00	0.00	0.00
7,400.00	6.41	190.23	7,369.47	-546.72	-144.65	-144.17	0.00	0.00	0.00
7,500.00	6.41	190.23	7,468.85	-557.71	-146.63	-146.14	0.00	0.00	0.00
7,600.00	6.41	190.23	7,568.22	-568.70	-148.61	-148.12	0.00	0.00	0.00
7,700.00	6.41	190.23	7,667.59	-579.69	-150.59	-150.09	0.00	0.00	0.00
7,800.00	6.41	190.23	7,766.97	-590.68	-152.58	-152.06	0.00	0.00	0.00
7,900.00	6.41	190.23	7,866.34	-601.67	-154.56	-154.03	0.00	0.00	0.00
8,000.00	6.41	190.23	7,965.72	-612.66	-156.54	-156.01	0.00	0.00	0.00
8,100.00	6.41	190.23	8,065.09	-623.65	-158.52	-157.98	0.00	0.00	0.00
8,200.00	6.41	190.23	8,164.47	-634.64	-160.51	-159.95	0.00	0.00	0.00
8,215.72	6.41	190.23	8,180.08	-636.37	-160.82	-160.26	0.00	0.00	0.00
8,300.00	4.73	190.23	8,263.97	-644.41	-162.27	-161.71	2.00	-2.00	0.00
8,400.00	2.73	190.23	8,363.75	-650.81	-163.42	-162.86	2.00	-2.00	0.00
8,500.00	0.73	190.23	8,463.70	-653.77	-163.96	-163.39	2.00	-2.00	0.00
8,536.30	0.00	0.00	8,500.00	-654.00	-164.00	-163.43	2.00	-2.00	0.00
8,600.00	0.00	0.00	8,563.70	-654.00	-164.00	-163.43	0.00	0.00	0.00
8,700.00	0.00	0.00	8,663.70	-654.00	-164.00	-163.43	0.00	0.00	0.00
8,718.34	0.00	0.00	8,682.04	-654.00	-164.00	-163.43	0.00	0.00	0.00
8,750.00	3.17	98.20	8,713.68	-654.12	-163.13	-162.56	10.00	10.00	0.00
8,800.00	8.17	98.20	8,763.42	-654.83	-158.25	-157.68	10.00	10.00	0.00
8,850.00	13.17	98.20	8,812.54	-656.15	-149.09	-148.52	10.00	10.00	0.00
8,900.00	18.17	98.20	8,860.67	-658.07	-135.73	-135.16	10.00	10.00	0.00
8,950.00	23.17	98.20	8,907.44	-660.59	-118.27	-117.70	10.00	10.00	0.00
9,000.00	28.17	98.20	8,952.49	-663.68	-96.85	-96.27	10.00	10.00	0.00
9,050.00	33.17	98.20	8,995.49	-667.31	-71.61	-71.03	10.00	10.00	0.00
9,100.00	38.17	98.20	9,036.10	-671.47	-42.77	-42.18	10.00	10.00	0.00
9,150.00	43.17	98.20	9,074.01	-676.12	-10.53	-9.94	10.00	10.00	0.00
9,200.00	48.17	98.20	9,108.94	-681.21	24.86	25.45	10.00	10.00	0.00
9,250.00	53.17	98.20	9,140.62	-686.73	63.12	63.72	10.00	10.00	0.00
9,300.00	58.17	98.20	9,168.81	-692.62	103.98	104.58	10.00	10.00	0.00
9,350.00	63.17	98.20	9,193.30	-698.83	147.11	147.72	10.00	10.00	0.00
9,400.00	68.17	98.20	9,213.90	-705.33	192.19	192.80	10.00	10.00	0.00
9,450.00	73.17	98.20	9,230.45	-712.05	238.87	239.49	10.00	10.00	0.00
9,500.00	78.17	98.20	9,242.82	-718.96	286.80	287.43	10.00	10.00	0.00

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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)
9,550.00	83.17	98.20	9,250.93	-726.00	335.62	336.25	10.00	10.00	0.00
9,600.00	88.17	98.20	9,254.70	-733.11	384.95	385.59	10.00	10.00	0.00
9,618.34	90.00	98.20	9,255.00	-735.72	403.10	403.74	10.00	10.00	0.00
9,700.00	90.00	96.57	9,255.00	-746.21	484.08	484.73	2.00	0.00	-2.00
9,800.00	90.00	94.57	9,255.00	-755.91	583.60	584.26	2.00	0.00	-2.00
9,900.00	90.00	92.57	9,255.00	-762.14	683.41	684.07	2.00	0.00	-2.00
10,000.00	90.00	90.57	9,255.00	-764.87	783.36	784.03	2.00	0.00	-2.00
10,025.90	90.00	90.05	9,255.00	-765.01	809.26	809.93	2.00	0.00	-2.00
10,100.00	90.00	90.05	9,255.00	-765.07	883.36	884.03	0.00	0.00	0.00
10,200.00	90.00	90.05	9,255.00	-765.16	983.36	984.03	0.00	0.00	0.00
10,300.00	90.00	90.05	9,255.00	-765.24	1,083.36	1,084.03	0.00	0.00	0.00
10,400.00	90.00	90.05	9,255.00	-765.33	1,183.36	1,184.03	0.00	0.00	0.00
10,500.00	90.00	90.05	9,255.00	-765.41	1,283.36	1,284.03	0.00	0.00	0.00
10,600.00	90.00	90.05	9,255.00	-765.50	1,383.36	1,384.03	0.00	0.00	0.00
10,700.00	90.00	90.05	9,255.00	-765.58	1,483.36	1,484.03	0.00	0.00	0.00
10,800.00	90.00	90.05	9,255.00	-765.67	1,583.36	1,584.03	0.00	0.00	0.00
10,900.00	90.00	90.05	9,255.00	-765.75	1,683.36	1,684.03	0.00	0.00	0.00
11,000.00	90.00	90.05	9,255.00	-765.84	1,783.36	1,784.03	0.00	0.00	0.00
11,100.00	90.00	90.05	9,255.00	-765.92	1,883.36	1,884.03	0.00	0.00	0.00
11,200.00	90.00	90.05	9,255.00	-766.01	1,983.36	1,984.03	0.00	0.00	0.00
11,300.00	90.00	90.05	9,255.00	-766.09	2,083.36	2,084.03	0.00	0.00	0.00
11,400.00	90.00	90.05	9,255.00	-766.18	2,183.36	2,184.03	0.00	0.00	0.00
11,500.00	90.00	90.05	9,255.00	-766.26	2,283.36	2,284.03	0.00	0.00	0.00
11,600.00	90.00	90.05	9,255.00	-766.35	2,383.36	2,384.03	0.00	0.00	0.00
11,700.00	90.00	90.05	9,255.00	-766.43	2,483.36	2,484.03	0.00	0.00	0.00
11,800.00	90.00	90.05	9,255.00	-766.52	2,583.36	2,584.03	0.00	0.00	0.00
11,900.00	90.00	90.05	9,255.00	-766.60	2,683.36	2,684.03	0.00	0.00	0.00
12,000.00	90.00	90.05	9,255.00	-766.69	2,783.36	2,784.03	0.00	0.00	0.00
12,100.00	90.00	90.05	9,255.00	-766.77	2,883.36	2,884.03	0.00	0.00	0.00
12,200.00	90.00	90.05	9,255.00	-766.86	2,983.36	2,984.03	0.00	0.00	0.00
12,300.00	90.00	90.05	9,255.00	-766.94	3,083.36	3,084.03	0.00	0.00	0.00
12,400.00	90.00	90.05	9,255.00	-767.03	3,183.36	3,184.03	0.00	0.00	0.00
12,500.00	90.00	90.05	9,255.00	-767.12	3,283.36	3,284.03	0.00	0.00	0.00
12,600.00	90.00	90.05	9,255.00	-767.20	3,383.36	3,384.03	0.00	0.00	0.00
12,700.00	90.00	90.05	9,255.00	-767.29	3,483.36	3,484.03	0.00	0.00	0.00
12,800.00	90.00	90.05	9,255.00	-767.37	3,583.36	3,584.03	0.00	0.00	0.00
12,900.00	90.00	90.05	9,255.00	-767.46	3,683.36	3,684.03	0.00	0.00	0.00
13,000.00	90.00	90.05	9,255.00	-767.54	3,783.36	3,784.03	0.00	0.00	0.00
13,100.00	90.00	90.05	9,255.00	-767.63	3,883.36	3,884.03	0.00	0.00	0.00
13,200.00	90.00	90.05	9,255.00	-767.71	3,983.36	3,984.03	0.00	0.00	0.00
13,300.00	90.00	90.05	9,255.00	-767.80	4,083.36	4,084.03	0.00	0.00	0.00
13,400.00	90.00	90.05	9,255.00	-767.88	4,183.36	4,184.03	0.00	0.00	0.00
13,500.00	90.00	90.05	9,255.00	-767.97	4,283.36	4,284.03	0.00	0.00	0.00
13,600.00	90.00	90.05	9,255.00	-768.05	4,383.36	4,384.03	0.00	0.00	0.00
13,700.00	90.00	90.05	9,255.00	-768.14	4,483.36	4,484.03	0.00	0.00	0.00
13,800.00	90.00	90.05	9,255.00	-768.22	4,583.36	4,584.03	0.00	0.00	0.00
13,900.00	90.00	90.05	9,255.00	-768.31	4,683.36	4,684.03	0.00	0.00	0.00
14,000.00	90.00	90.05	9,255.00	-768.39	4,783.36	4,784.03	0.00	0.00	0.00
14,100.00	90.00	90.05	9,255.00	-768.48	4,883.36	4,884.03	0.00	0.00	0.00
14,200.00	90.00	90.05	9,255.00	-768.56	4,983.36	4,984.03	0.00	0.00	0.00
14,300.00	90.00	90.05	9,255.00	-768.65	5,083.36	5,084.03	0.00	0.00	0.00
14,400.00	90.00	90.05	9,255.00	-768.73	5,183.36	5,184.03	0.00	0.00	0.00
14,500.00	90.00	90.05	9,255.00	-768.82	5,283.36	5,284.03	0.00	0.00	0.00
14,600.00	90.00	90.05	9,255.00	-768.90	5,383.36	5,384.03	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: #206H
Wellbore: OH
Design: Prelim A

Local Co-ordinate Reference: Well #206H
TVD Reference: 3241 + 28.5 = KB @ 3269.50usft (Patt 809)
MD Reference: 3241 + 28.5 = KB @ 3269.50usft (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)
14,700.00	90.00	90.05	9,255.00	-768.99	5,483.36	5,484.03	0.00	0.00	0.00
14,800.00	90.00	90.05	9,255.00	-769.07	5,583.36	5,584.03	0.00	0.00	0.00
14,900.00	90.00	90.05	9,255.00	-769.16	5,683.36	5,684.03	0.00	0.00	0.00
15,000.00	90.00	90.05	9,255.00	-769.24	5,783.36	5,784.03	0.00	0.00	0.00
15,100.00	90.00	90.05	9,255.00	-769.33	5,883.36	5,884.03	0.00	0.00	0.00
15,200.00	90.00	90.05	9,255.00	-769.41	5,983.36	5,984.03	0.00	0.00	0.00
15,300.00	90.00	90.05	9,255.00	-769.50	6,083.36	6,084.03	0.00	0.00	0.00
15,400.00	90.00	90.05	9,255.00	-769.58	6,183.36	6,184.03	0.00	0.00	0.00
15,500.00	90.00	90.05	9,255.00	-769.67	6,283.36	6,284.03	0.00	0.00	0.00
15,600.00	90.00	90.05	9,255.00	-769.76	6,383.36	6,384.03	0.00	0.00	0.00
15,700.00	90.00	90.05	9,255.00	-769.84	6,483.36	6,484.03	0.00	0.00	0.00
15,800.00	90.00	90.05	9,255.00	-769.93	6,583.36	6,584.03	0.00	0.00	0.00
15,900.00	90.00	90.05	9,255.00	-770.01	6,683.36	6,684.03	0.00	0.00	0.00
16,000.00	90.00	90.05	9,255.00	-770.10	6,783.36	6,784.03	0.00	0.00	0.00
16,100.00	90.00	90.05	9,255.00	-770.18	6,883.36	6,884.03	0.00	0.00	0.00
16,200.00	90.00	90.05	9,255.00	-770.27	6,983.36	6,984.03	0.00	0.00	0.00
16,300.00	90.00	90.05	9,255.00	-770.35	7,083.36	7,084.03	0.00	0.00	0.00
16,400.00	90.00	90.05	9,255.00	-770.44	7,183.36	7,184.03	0.00	0.00	0.00
16,500.00	90.00	90.05	9,255.00	-770.52	7,283.36	7,284.03	0.00	0.00	0.00
16,600.00	90.00	90.05	9,255.00	-770.61	7,383.36	7,384.03	0.00	0.00	0.00
16,700.00	90.00	90.05	9,255.00	-770.69	7,483.36	7,484.03	0.00	0.00	0.00
16,800.00	90.00	90.05	9,255.00	-770.78	7,583.36	7,584.03	0.00	0.00	0.00
16,900.00	90.00	90.05	9,255.00	-770.86	7,683.36	7,684.03	0.00	0.00	0.00
17,000.00	90.00	90.05	9,255.00	-770.95	7,783.36	7,784.03	0.00	0.00	0.00
17,100.00	90.00	90.05	9,255.00	-771.03	7,883.36	7,884.03	0.00	0.00	0.00
17,200.00	90.00	90.05	9,255.00	-771.12	7,983.36	7,984.03	0.00	0.00	0.00
17,300.00	90.00	90.05	9,255.00	-771.20	8,083.36	8,084.03	0.00	0.00	0.00
17,400.00	90.00	90.05	9,255.00	-771.29	8,183.36	8,184.03	0.00	0.00	0.00
17,500.00	90.00	90.05	9,255.00	-771.37	8,283.36	8,284.03	0.00	0.00	0.00
17,600.00	90.00	90.05	9,255.00	-771.46	8,383.36	8,384.03	0.00	0.00	0.00
17,700.00	90.00	90.05	9,255.00	-771.54	8,483.36	8,484.03	0.00	0.00	0.00
17,800.00	90.00	90.05	9,255.00	-771.63	8,583.36	8,584.03	0.00	0.00	0.00
17,900.00	90.00	90.05	9,255.00	-771.71	8,683.36	8,684.03	0.00	0.00	0.00
18,000.00	90.00	90.05	9,255.00	-771.80	8,783.36	8,784.03	0.00	0.00	0.00
18,100.00	90.00	90.05	9,255.00	-771.88	8,883.36	8,884.03	0.00	0.00	0.00
18,200.00	90.00	90.05	9,255.00	-771.97	8,983.36	8,984.03	0.00	0.00	0.00
18,300.00	90.00	90.05	9,255.00	-772.05	9,083.36	9,084.03	0.00	0.00	0.00
18,400.00	90.00	90.05	9,255.00	-772.14	9,183.36	9,184.03	0.00	0.00	0.00
18,500.00	90.00	90.05	9,255.00	-772.22	9,283.36	9,284.03	0.00	0.00	0.00
18,600.00	90.00	90.05	9,255.00	-772.31	9,383.36	9,384.03	0.00	0.00	0.00
18,700.00	90.00	90.05	9,255.00	-772.39	9,483.36	9,484.03	0.00	0.00	0.00
18,800.00	90.00	90.05	9,255.00	-772.48	9,583.36	9,584.03	0.00	0.00	0.00
18,900.00	90.00	90.05	9,255.00	-772.57	9,683.36	9,684.03	0.00	0.00	0.00
19,000.00	90.00	90.05	9,255.00	-772.65	9,783.36	9,784.03	0.00	0.00	0.00
19,100.00	90.00	90.05	9,255.00	-772.74	9,883.36	9,884.03	0.00	0.00	0.00
19,200.00	90.00	90.05	9,255.00	-772.82	9,983.36	9,984.03	0.00	0.00	0.00
19,300.00	90.00	90.05	9,255.00	-772.91	10,083.36	10,084.03	0.00	0.00	0.00
19,400.00	90.00	90.05	9,255.00	-772.99	10,183.36	10,184.03	0.00	0.00	0.00
19,410.64	90.00	90.05	9,255.00	-773.00	10,194.00	10,194.67	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: #206H
Wellbore: OH
Design: Prelim A

Local Co-ordinate Reference: Well #206H
TVD Reference: 3241 + 28.5 = KB @ 3269.50usft (Patt 809)
MD Reference: 3241 + 28.5 = KB @ 3269.50usft (Patt 809)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Design Targets

Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
BHL (Leatherneck Fe	0.00	0.00	9,255.00	-773.00	10,194.00	562,144.00	575,506.00	32.545203	-104.088301
- plan hits target center									
- Point									
FPP (Leatherneck Fe	0.00	0.00	9,255.00	-764.00	-114.00	562,153.00	565,198.00	32.545289	-104.121752
- plan misses target center by 217.87usft at 9200.00usft MD (9108.94 TVD, -681.21 N, 24.86 E)									
- Point									