



Professional Directional Planning Report

30-015-45010



Database: WellPlanner1
Company: Marathon Oil

Local Co-ordinate Reference
TVD Reference:

Well WXY #18H
Well @ 3065.50usft (GL: 3039' + KB: 26.5'
(H&P423))

Project: Eddy County, NM

MD Reference:

Well @ 3065.50usft (GL: 3039' + KB: 26.5'
(H&P423))

Site: Maximus Fee 23-28-6

North Reference:

Grid

Well: WXY #18H

Survey Calculation Method:

Minimum Curvature

Wellbore: OH

Design: Prelim Plan A

Project	Eddy County, NM		
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	Maximus Fee 23-28-6				
Site Position:		Northing:	487,037.57 usft	Latitude:	32.338800
From:	Map	Easting:	566,163.47 usft	Longitude:	-104.119108
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.11 °

Well	WXY #18H					
Well Position	+N/-S	89.99 usft	Northing:	487,127.56 usft	Latitude:	32.339048
	+E/-W	0.01 usft	Easting:	566,163.48 usft	Longitude:	-104.119108
Position Uncertainty		0.00 usft	Wellhead Elevation:		Ground Level:	3,039.00 usft

Wellbore	OH					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)	
	HDGM	5/16/2018	7.28	60.10	48,020.60	

Design	Prelim Plan A				
Audit Notes:					
Version:	Phase:	PLAN	Tie On Depth:	0.00	
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	269.90	

Plan Survey Tool Program	Date	5/16/2018			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.00	1,500.00 Prelim Plan A (OH)	MWD+IFR1 OWSG MWD + IFR1		
2	1,500.00	5,000.00 Prelim Plan A (OH)	MWD+IFR1 OWSG MWD + IFR1		
3	5,000.00	10,000.00 Prelim Plan A (OH)	MWD+IFR1 OWSG MWD + IFR1		
4	10,000.00	14,065.17 Prelim Plan A (OH)	MWD+IFR1 OWSG MWD + IFR1		

**NM OIL CONSERVATION
ARTESIA DISTRICT**

JUN 01 2018

RECEIVED

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Company:	Marathon Oil	TVD Reference:	Well @ 3065.50usft (GL: 3039' + KB: 26.5' (H&P423))
Project:	Eddy County, NM	MD Reference:	Well @ 3065.50usft (GL: 3039' + KB: 26.5' (H&P423))
Site:	Maximus Fee 23-28-6	North Reference:	Grid
Well:	WXY #18H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Prelim Plan A		

Plan Sections

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Buidl 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	
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,700.00	10.00	37.39	1,697.47	34.58	26.43	2.00	2.00	0.00	37.39	
5,656.20	10.00	37.39	5,593.56	580.42	443.57	0.00	0.00	0.00	0.00	
6,156.20	0.00	0.00	6,091.02	615.00	470.00	2.00	-2.00	0.00	180.00	
8,905.17	0.00	0.00	8,840.00	615.00	470.00	0.00	0.00	0.00	0.00	[Maximus#18H]KOP
9,812.21	90.70	269.90	9,412.91	613.94	-109.99	10.00	10.00	-9.93	269.90	
14,065.17	90.70	269.90	9,360.71	606.17	-4,362.63	0.00	0.00	0.00	0.00	[Maximus#18H]LTP/B

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Project: Eddy County, NM

MD Reference: Well @ 3065.50usft (GL: 3039' + KB: 26.5'
(H&P423))

Site: Maximus Fee 23-28-6

North Reference: Grid
Survey Calculation Method: Minimum Curvature

Well: WXY #18H

Wellbore: OH

Design: Prelim Plan 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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
[Maximus#18H]FTP									
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	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	2.00	37.39	1,299.98	1.39	1.06	-1.06	2.00	2.00	0.00
1,400.00	4.00	37.39	1,399.84	5.54	4.24	-4.25	2.00	2.00	0.00
1,500.00	6.00	37.39	1,499.45	12.47	9.53	-9.55	2.00	2.00	0.00
1,600.00	8.00	37.39	1,598.70	22.15	16.93	-16.97	2.00	2.00	0.00
1,700.00	10.00	37.39	1,697.47	34.58	26.43	-26.49	2.00	2.00	0.00
1,800.00	10.00	37.39	1,795.95	48.38	36.97	-37.06	0.00	0.00	0.00
1,900.00	10.00	37.39	1,894.43	62.17	47.52	-47.62	0.00	0.00	0.00
2,000.00	10.00	37.39	1,992.91	75.97	58.06	-58.19	0.00	0.00	0.00
2,100.00	10.00	37.39	2,091.39	89.77	68.60	-68.76	0.00	0.00	0.00
2,200.00	10.00	37.39	2,189.87	103.57	79.15	-79.33	0.00	0.00	0.00
2,300.00	10.00	37.39	2,288.35	117.36	89.69	-89.90	0.00	0.00	0.00
2,400.00	10.00	37.39	2,386.83	131.16	100.24	-100.46	0.00	0.00	0.00
2,500.00	10.00	37.39	2,485.31	144.96	110.78	-111.03	0.00	0.00	0.00
2,600.00	10.00	37.39	2,583.79	158.75	121.32	-121.60	0.00	0.00	0.00
2,700.00	10.00	37.39	2,682.27	172.55	131.87	-132.17	0.00	0.00	0.00
2,800.00	10.00	37.39	2,780.75	186.35	142.41	-142.74	0.00	0.00	0.00
2,900.00	10.00	37.39	2,879.23	200.15	152.96	-153.31	0.00	0.00	0.00
3,000.00	10.00	37.39	2,977.72	213.94	163.50	-163.87	0.00	0.00	0.00
3,100.00	10.00	37.39	3,076.20	227.74	174.04	-174.44	0.00	0.00	0.00
3,200.00	10.00	37.39	3,174.68	241.54	184.59	-185.01	0.00	0.00	0.00
3,300.00	10.00	37.39	3,273.16	255.33	195.13	-195.58	0.00	0.00	0.00
3,400.00	10.00	37.39	3,371.64	269.13	205.68	-206.15	0.00	0.00	0.00
3,500.00	10.00	37.39	3,470.12	282.93	216.22	-216.71	0.00	0.00	0.00
3,600.00	10.00	37.39	3,568.60	296.72	226.77	-227.28	0.00	0.00	0.00
3,700.00	10.00	37.39	3,667.08	310.52	237.31	-237.85	0.00	0.00	0.00
3,800.00	10.00	37.39	3,765.56	324.32	247.85	-248.42	0.00	0.00	0.00
3,900.00	10.00	37.39	3,864.04	338.12	258.40	-258.99	0.00	0.00	0.00
4,000.00	10.00	37.39	3,962.52	351.91	268.94	-269.56	0.00	0.00	0.00
4,100.00	10.00	37.39	4,061.00	365.71	279.49	-280.12	0.00	0.00	0.00
4,200.00	10.00	37.39	4,159.48	379.51	290.03	-290.69	0.00	0.00	0.00
4,300.00	10.00	37.39	4,257.97	393.30	300.57	-301.26	0.00	0.00	0.00
4,400.00	10.00	37.39	4,356.45	407.10	311.12	-311.83	0.00	0.00	0.00
4,500.00	10.00	37.39	4,454.93	420.90	321.66	-322.40	0.00	0.00	0.00
4,600.00	10.00	37.39	4,553.41	434.70	332.21	-332.96	0.00	0.00	0.00
4,700.00	10.00	37.39	4,651.89	448.49	342.75	-343.53	0.00	0.00	0.00
4,800.00	10.00	37.39	4,750.37	462.29	353.29	-354.10	0.00	0.00	0.00
4,900.00	10.00	37.39	4,848.85	476.09	363.84	-364.67	0.00	0.00	0.00

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Grid

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)
5,000.00	10.00	37.39	4,947.33	489.88	374.38	-375.24	0.00	0.00	0.00
5,100.00	10.00	37.39	5,045.81	503.68	384.93	-385.81	0.00	0.00	0.00
5,200.00	10.00	37.39	5,144.29	517.48	395.47	-396.37	0.00	0.00	0.00
5,300.00	10.00	37.39	5,242.77	531.27	406.01	-406.94	0.00	0.00	0.00
5,400.00	10.00	37.39	5,341.25	545.07	416.56	-417.51	0.00	0.00	0.00
5,500.00	10.00	37.39	5,439.73	558.87	427.10	-428.08	0.00	0.00	0.00
5,600.00	10.00	37.39	5,538.22	572.67	437.65	-438.65	0.00	0.00	0.00
5,656.20	10.00	37.39	5,593.56	580.42	443.57	-444.58	0.00	0.00	0.00
5,700.00	9.12	37.39	5,636.75	586.20	447.99	-449.01	2.00	-2.00	0.00
5,800.00	7.12	37.39	5,735.74	597.43	456.57	-457.61	2.00	-2.00	0.00
5,900.00	5.12	37.39	5,835.17	605.90	463.05	-464.11	2.00	-2.00	0.00
6,000.00	3.12	37.39	5,934.90	611.62	467.42	-468.48	2.00	-2.00	0.00
6,100.00	1.12	37.39	6,034.83	614.56	469.67	-470.74	2.00	-2.00	0.00
6,156.20	0.00	0.00	6,091.02	615.00	470.00	-471.07	2.00	-2.00	0.00
6,200.00	0.00	0.00	6,134.83	615.00	470.00	-471.07	0.00	0.00	0.00
6,300.00	0.00	0.00	6,234.83	615.00	470.00	-471.07	0.00	0.00	0.00
6,400.00	0.00	0.00	6,334.83	615.00	470.00	-471.07	0.00	0.00	0.00
6,500.00	0.00	0.00	6,434.83	615.00	470.00	-471.07	0.00	0.00	0.00
6,600.00	0.00	0.00	6,534.83	615.00	470.00	-471.07	0.00	0.00	0.00
6,700.00	0.00	0.00	6,634.83	615.00	470.00	-471.07	0.00	0.00	0.00
6,800.00	0.00	0.00	6,734.83	615.00	470.00	-471.07	0.00	0.00	0.00
6,900.00	0.00	0.00	6,834.83	615.00	470.00	-471.07	0.00	0.00	0.00
7,000.00	0.00	0.00	6,934.83	615.00	470.00	-471.07	0.00	0.00	0.00
7,100.00	0.00	0.00	7,034.83	615.00	470.00	-471.07	0.00	0.00	0.00
7,200.00	0.00	0.00	7,134.83	615.00	470.00	-471.07	0.00	0.00	0.00
7,300.00	0.00	0.00	7,234.83	615.00	470.00	-471.07	0.00	0.00	0.00
7,400.00	0.00	0.00	7,334.83	615.00	470.00	-471.07	0.00	0.00	0.00
7,500.00	0.00	0.00	7,434.83	615.00	470.00	-471.07	0.00	0.00	0.00
7,600.00	0.00	0.00	7,534.83	615.00	470.00	-471.07	0.00	0.00	0.00
7,700.00	0.00	0.00	7,634.83	615.00	470.00	-471.07	0.00	0.00	0.00
7,800.00	0.00	0.00	7,734.83	615.00	470.00	-471.07	0.00	0.00	0.00
7,900.00	0.00	0.00	7,834.83	615.00	470.00	-471.07	0.00	0.00	0.00
8,000.00	0.00	0.00	7,934.83	615.00	470.00	-471.07	0.00	0.00	0.00
8,100.00	0.00	0.00	8,034.83	615.00	470.00	-471.07	0.00	0.00	0.00
8,200.00	0.00	0.00	8,134.83	615.00	470.00	-471.07	0.00	0.00	0.00
8,300.00	0.00	0.00	8,234.83	615.00	470.00	-471.07	0.00	0.00	0.00
8,400.00	0.00	0.00	8,334.83	615.00	470.00	-471.07	0.00	0.00	0.00
8,500.00	0.00	0.00	8,434.83	615.00	470.00	-471.07	0.00	0.00	0.00
8,600.00	0.00	0.00	8,534.83	615.00	470.00	-471.07	0.00	0.00	0.00
8,700.00	0.00	0.00	8,634.83	615.00	470.00	-471.07	0.00	0.00	0.00
8,800.00	0.00	0.00	8,734.83	615.00	470.00	-471.07	0.00	0.00	0.00
8,905.17	0.00	0.00	8,840.00	615.00	470.00	-471.07	0.00	0.00	0.00
[Maximus#18H]KOP									
8,950.00	4.48	269.90	8,884.78	615.00	468.25	-469.32	10.00	10.00	0.00
9,000.00	9.48	269.90	8,934.40	614.99	462.17	-463.24	10.00	10.00	0.00
9,050.00	14.48	269.90	8,983.29	614.97	451.79	-452.87	10.00	10.00	0.00
9,100.00	19.48	269.90	9,031.09	614.94	437.19	-438.27	10.00	10.00	0.00
9,150.00	24.48	269.90	9,077.44	614.91	418.48	-419.56	10.00	10.00	0.00
9,200.00	29.48	269.90	9,121.99	614.86	395.80	-396.88	10.00	10.00	0.00
9,250.00	34.48	269.90	9,164.38	614.82	369.33	-370.40	10.00	10.00	0.00
9,300.00	39.48	269.90	9,204.31	614.76	339.26	-340.33	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)
9,350.00	44.48	269.90	9,241.47	614.70	305.83	-306.90	10.00	10.00	0.00
9,400.00	49.48	269.90	9,275.57	614.63	269.28	-270.35	10.00	10.00	0.00
9,450.00	54.48	269.90	9,306.35	614.56	229.90	-230.97	10.00	10.00	0.00
9,500.00	59.48	269.90	9,333.59	614.48	187.99	-189.06	10.00	10.00	0.00
9,550.00	64.48	269.90	9,357.07	614.40	143.86	-144.94	10.00	10.00	0.00
9,600.00	69.48	269.90	9,376.61	614.32	97.86	-98.93	10.00	10.00	0.00
9,650.00	74.48	269.90	9,392.07	614.23	50.33	-51.40	10.00	10.00	0.00
9,700.00	79.48	269.90	9,403.33	614.14	1.63	-2.70	10.00	10.00	0.00
9,750.00	84.48	269.90	9,410.30	614.05	-47.87	46.80	10.00	10.00	0.00
9,800.00	89.48	269.90	9,412.93	613.96	-97.78	96.71	10.00	10.00	0.00
9,812.21	90.70	269.90	9,412.91	613.94	-109.99	108.92	10.00	10.00	0.00
9,900.00	90.70	269.90	9,411.84	613.78	-197.78	196.71	0.00	0.00	0.00
10,000.00	90.70	269.90	9,410.61	613.60	-297.77	296.70	0.00	0.00	0.00
10,100.00	90.70	269.90	9,409.38	613.41	-397.76	396.69	0.00	0.00	0.00
10,200.00	90.70	269.90	9,408.15	613.23	-497.75	496.68	0.00	0.00	0.00
10,300.00	90.70	269.90	9,406.93	613.05	-597.75	596.68	0.00	0.00	0.00
10,400.00	90.70	269.90	9,405.70	612.87	-697.74	696.67	0.00	0.00	0.00
10,500.00	90.70	269.90	9,404.47	612.68	-797.73	796.66	0.00	0.00	0.00
10,600.00	90.70	269.90	9,403.24	612.50	-897.72	896.65	0.00	0.00	0.00
10,700.00	90.70	269.90	9,402.02	612.32	-997.72	996.65	0.00	0.00	0.00
10,800.00	90.70	269.90	9,400.79	612.14	-1,097.71	1,096.64	0.00	0.00	0.00
10,900.00	90.70	269.90	9,399.56	611.95	-1,197.70	1,196.63	0.00	0.00	0.00
11,000.00	90.70	269.90	9,398.33	611.77	-1,297.69	1,296.62	0.00	0.00	0.00
11,100.00	90.70	269.90	9,397.11	611.59	-1,397.68	1,396.62	0.00	0.00	0.00
11,200.00	90.70	269.90	9,395.88	611.40	-1,497.68	1,496.61	0.00	0.00	0.00
11,300.00	90.70	269.90	9,394.65	611.22	-1,597.67	1,596.60	0.00	0.00	0.00
11,400.00	90.70	269.90	9,393.42	611.04	-1,697.66	1,696.59	0.00	0.00	0.00
11,500.00	90.70	269.90	9,392.20	610.86	-1,797.65	1,796.59	0.00	0.00	0.00
11,600.00	90.70	269.90	9,390.97	610.67	-1,897.65	1,896.58	0.00	0.00	0.00
11,700.00	90.70	269.90	9,389.74	610.49	-1,997.64	1,996.57	0.00	0.00	0.00
11,800.00	90.70	269.90	9,388.51	610.31	-2,097.63	2,096.56	0.00	0.00	0.00
11,900.00	90.70	269.90	9,387.29	610.13	-2,197.62	2,196.55	0.00	0.00	0.00
12,000.00	90.70	269.90	9,386.06	609.94	-2,297.62	2,296.55	0.00	0.00	0.00
12,100.00	90.70	269.90	9,384.83	609.76	-2,397.61	2,396.54	0.00	0.00	0.00
12,200.00	90.70	269.90	9,383.60	609.58	-2,497.60	2,496.53	0.00	0.00	0.00
12,300.00	90.70	269.90	9,382.38	609.40	-2,597.59	2,596.52	0.00	0.00	0.00
12,400.00	90.70	269.90	9,381.15	609.21	-2,697.58	2,696.52	0.00	0.00	0.00
12,500.00	90.70	269.90	9,379.92	609.03	-2,797.58	2,796.51	0.00	0.00	0.00
12,600.00	90.70	269.90	9,378.70	608.85	-2,897.57	2,896.50	0.00	0.00	0.00
12,700.00	90.70	269.90	9,377.47	608.66	-2,997.56	2,996.49	0.00	0.00	0.00
12,800.00	90.70	269.90	9,376.24	608.48	-3,097.55	3,096.49	0.00	0.00	0.00
12,900.00	90.70	269.90	9,375.01	608.30	-3,197.55	3,196.48	0.00	0.00	0.00
13,000.00	90.70	269.90	9,373.79	608.12	-3,297.54	3,296.47	0.00	0.00	0.00
13,100.00	90.70	269.90	9,372.56	607.93	-3,397.53	3,396.46	0.00	0.00	0.00
13,200.00	90.70	269.90	9,371.33	607.75	-3,497.52	3,496.46	0.00	0.00	0.00
13,300.00	90.70	269.90	9,370.10	607.57	-3,597.52	3,596.45	0.00	0.00	0.00
13,400.00	90.70	269.90	9,368.88	607.39	-3,697.51	3,696.44	0.00	0.00	0.00
13,500.00	90.70	269.90	9,367.65	607.20	-3,797.50	3,796.43	0.00	0.00	0.00
13,600.00	90.70	269.90	9,366.42	607.02	-3,897.49	3,896.43	0.00	0.00	0.00
13,700.00	90.70	269.90	9,365.19	606.84	-3,997.48	3,996.42	0.00	0.00	0.00
13,800.00	90.70	269.90	9,363.97	606.65	-4,097.48	4,096.41	0.00	0.00	0.00

Database: WellPlanner1
Company: Marathon Oil

Local Co-ordinate Reference
TVD Reference:

Well WXY #18H
Well @ 3065.50usft (GL: 3039' + KB: 26.5'
(H&P423))

Project: Eddy County, NM

MD Reference:

Well @ 3065.50usft (GL: 3039' + KB: 26.5'
(H&P423))

Site: Maximus Fee 23-28-6

North Reference:

Grid

Well: WXY #18H

Survey Calculation Method:

Minimum Curvature

Wellbore: OH

Design: Prelim Plan A

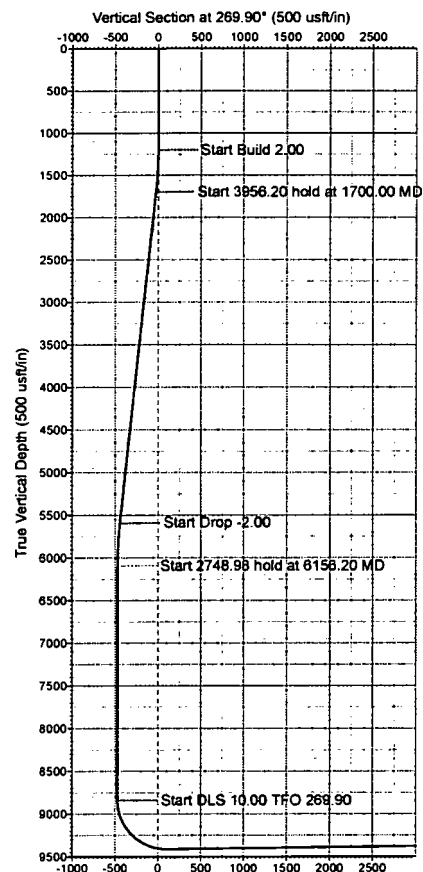
Planned Survey

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)
13,900.00	90.70	269.90	9,362.74	606.47	-4,197.47	4,196.40	0.00	0.00	0.00
14,000.00	90.70	269.90	9,361.51	606.29	-4,297.46	4,296.40	0.00	0.00	0.00
14,065.17	90.70	269.90	9,360.71	606.17	-4,362.63	4,361.57	0.00	0.00	0.00
[Maximus#18H]LTP/BHL									

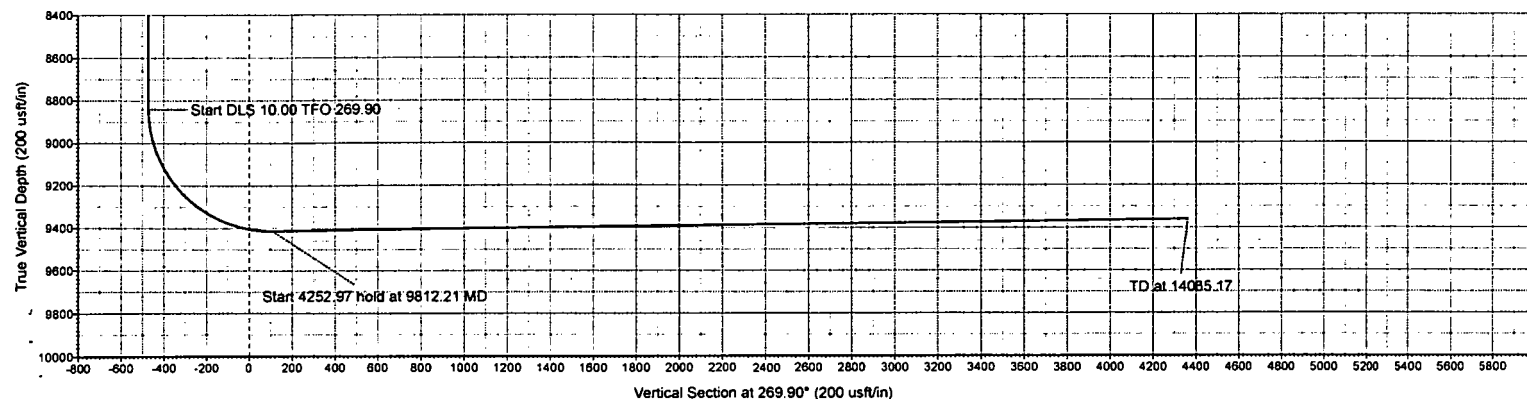


Marathon Oil
Eddy County, NM
Maximus Fee 23-28-6
WXY #18H
Prelim Plan A
GL: 3039' + KB: 26.5' (H&P423)

US State Plane 1627 (Exact solution)
NAD 1927 (NADCON CONUS)
Clarke 1666
New Mexico East 3001
Mean Sea Level



Target Line: 9414' TVD @ 0° VS: 90.7° INC



36" x 48"

RKB Elevation: Well @ 3065.50usft (GL: 3039' + KB: 26.5' (H&P423))

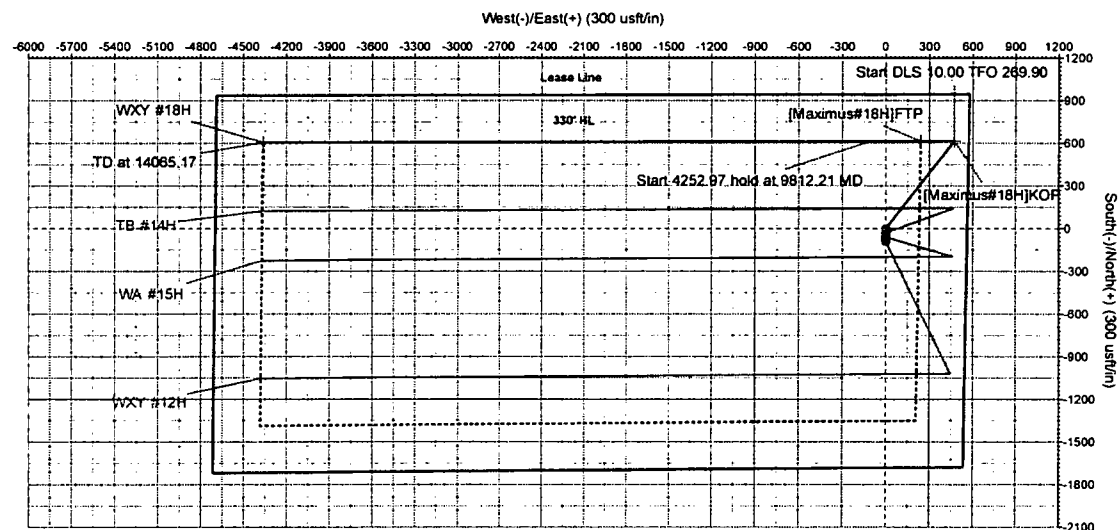
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Spot
0.00	0.00	487127.56	566163.48	32.339048	-104.119107	

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	V/Sect
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	1200.00	0.00	0.00	1200.00	0.00	0.00	0.00	0.00
3	1700.00	10.00	37.39	1697.47	34.58	26.43	2.00	-26.49
4	5656.20	10.00	37.39	5593.56	580.42	443.57	0.00	-444.58
5	6156.20	0.00	0.00	6091.02	615.00	470.00	2.00	-471.07
6	8905.17	0.00	0.00	8840.00	615.00	470.00	0.00	-471.07
7	9812.21	90.70	269.90	9412.91	613.94	-109.99	10.00	108.92
8	14065.17	90.70	269.90	9360.71	606.17	-4362.63	0.00	4361.57

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
[Maximus#18H]FTP	0.00	614.29	240.25	487741.85	566403.73
[Maximus#18H]KOP	8840.00	615.00	470.00	487742.56	566633.48
[Maximus#18H]LTP/BHL	9360.71	606.17	-4362.63	487733.73	561800.85



Azimuths to Grid North
True North: -0.12°
Magnetic North: 7.17°
Magnetic Field
Strength: 48020 SatT
Dip Angle: 60.10°
Date: 5/16/2018
Model: HDGM

Azimuth Corrections

Total Magnetic Corr. (M to G): 7.17°

Declination (M to T): 7.28° East