

Database:	WellPlanner1	Local Co-ordinate Reference:	Well WXY 5H
Company:	Marathon Oil	TVD Reference:	Well @ 3205.00usft (GL: 3180' + KB: 25' (Prec594))
Project:	Eddy County, NM	MD Reference:	Well @ 3205.00usft (GL: 3180' + KB: 25' (Prec594))
Site:	Eagle Power Fee 23-27-5 (1-5-9)	North Reference:	Grid
Well:	WXY 5H	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	Eagle Power Fee 23-27-5 (1-5-9)			
Site Position:		Northing:	486,518.10 usft	Latitude: 32.337503
From:	Map	Easting:	535,133.30 usft	Longitude: -104.219580
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.06 °

Well	WXY 5H			
Well Position	+N/-S	-30.00 usft	Northing:	486,488.10 usft
	+E/-W	0.00 usft	Easting:	535,133.30 usft
Position Uncertainty		0.00 usft	Wellhead Elevation:	
			Ground Level:	3,180.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	4/17/2018	7.35	60.07	48,011.80

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	89.66

Plan Survey Tool Program		Date 4/18/2018			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.00	1,150.00 Prelim Plan A (OH)	MWD+IFR1 OWSG MWD + IFR1		
2	1,150.00	5,400.00 Prelim Plan A (OH)	MWD+IFR1 OWSG MWD + IFR1		
3	5,400.00	10,000.00 Prelim Plan A (OH)	MWD+IFR1 OWSG MWD + IFR1		
4	10,000.00	13,746.36 Prelim Plan A (OH)	MWD+IFR1 OWSG MWD + IFR1		

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Site:	Eagle Power Fee 23-27-5 (1-5-9)	North Reference:	Grid
Well:	WXY 5H	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)	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	
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,700.00	10.00	189.15	1,697.47	-42.97	-6.92	2.00	2.00	0.00	189.15	
6,845.14	10.00	189.15	6,764.44	-925.03	-149.08	0.00	0.00	0.00	0.00	
7,345.14	0.00	0.00	7,261.91	-968.00	-156.00	2.00	-2.00	0.00	180.00	
8,480.24	0.00	0.00	8,397.00	-968.00	-156.00	0.00	0.00	0.00	0.00	[EeagleWXY5H] KOP
9,372.27	89.20	89.66	8,969.90	-964.61	408.98	10.00	10.00	10.05	89.66	
13,701.36	89.20	89.66	9,030.08	-938.63	4,737.58	0.00	0.00	0.00	0.00	[EeagleWXY5H] LTP/
13,746.36	89.20	89.66	9,030.71	-938.36	4,782.57	0.00	0.00	0.00	0.00	

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Site:	Eagle Power Fee 23-27-5 (1-5-9)	North Reference:	Grid
Well:	WXY 5H	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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
[EagleWXY5H] 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	189.15	1,299.98	-1.72	-0.28	-0.29	2.00	2.00	0.00
1,400.00	4.00	189.15	1,399.84	-6.89	-1.11	-1.15	2.00	2.00	0.00
1,500.00	6.00	189.15	1,499.45	-15.49	-2.50	-2.59	2.00	2.00	0.00
1,600.00	8.00	189.15	1,598.70	-27.52	-4.44	-4.60	2.00	2.00	0.00
1,700.00	10.00	189.15	1,697.47	-42.97	-6.92	-7.18	2.00	2.00	0.00
1,800.00	10.00	189.15	1,795.95	-60.11	-9.69	-10.04	0.00	0.00	0.00
1,900.00	10.00	189.15	1,894.43	-77.26	-12.45	-12.91	0.00	0.00	0.00
2,000.00	10.00	189.15	1,992.91	-94.40	-15.21	-15.77	0.00	0.00	0.00
2,100.00	10.00	189.15	2,091.39	-111.54	-17.98	-18.64	0.00	0.00	0.00
2,200.00	10.00	189.15	2,189.87	-128.69	-20.74	-21.50	0.00	0.00	0.00
2,300.00	10.00	189.15	2,288.35	-145.83	-23.50	-24.37	0.00	0.00	0.00
2,400.00	10.00	189.15	2,386.83	-162.97	-26.26	-27.23	0.00	0.00	0.00
2,500.00	10.00	189.15	2,485.31	-180.12	-29.03	-30.10	0.00	0.00	0.00
2,600.00	10.00	189.15	2,583.79	-197.26	-31.79	-32.96	0.00	0.00	0.00
2,700.00	10.00	189.15	2,682.27	-214.40	-34.55	-35.82	0.00	0.00	0.00
2,800.00	10.00	189.15	2,780.75	-231.55	-37.32	-38.69	0.00	0.00	0.00
2,900.00	10.00	189.15	2,879.23	-248.69	-40.08	-41.55	0.00	0.00	0.00
3,000.00	10.00	189.15	2,977.72	-265.84	-42.84	-44.42	0.00	0.00	0.00
3,100.00	10.00	189.15	3,076.20	-282.98	-45.60	-47.28	0.00	0.00	0.00
3,200.00	10.00	189.15	3,174.68	-300.12	-48.37	-50.15	0.00	0.00	0.00
3,300.00	10.00	189.15	3,273.16	-317.27	-51.13	-53.01	0.00	0.00	0.00
3,400.00	10.00	189.15	3,371.64	-334.41	-53.89	-55.88	0.00	0.00	0.00
3,500.00	10.00	189.15	3,470.12	-351.55	-56.66	-58.74	0.00	0.00	0.00
3,600.00	10.00	189.15	3,568.60	-368.70	-59.42	-61.60	0.00	0.00	0.00
3,700.00	10.00	189.15	3,667.08	-385.84	-62.18	-64.47	0.00	0.00	0.00
3,800.00	10.00	189.15	3,765.56	-402.98	-64.94	-67.33	0.00	0.00	0.00
3,900.00	10.00	189.15	3,864.04	-420.13	-67.71	-70.20	0.00	0.00	0.00
4,000.00	10.00	189.15	3,962.52	-437.27	-70.47	-73.06	0.00	0.00	0.00
4,100.00	10.00	189.15	4,061.00	-454.42	-73.23	-75.93	0.00	0.00	0.00
4,200.00	10.00	189.15	4,159.48	-471.56	-76.00	-78.79	0.00	0.00	0.00
4,300.00	10.00	189.15	4,257.97	-488.70	-78.76	-81.66	0.00	0.00	0.00
4,400.00	10.00	189.15	4,356.45	-505.85	-81.52	-84.52	0.00	0.00	0.00
4,500.00	10.00	189.15	4,454.93	-522.99	-84.28	-87.39	0.00	0.00	0.00
4,600.00	10.00	189.15	4,553.41	-540.13	-87.05	-90.25	0.00	0.00	0.00
4,700.00	10.00	189.15	4,651.89	-557.28	-89.81	-93.11	0.00	0.00	0.00
4,800.00	10.00	189.15	4,750.37	-574.42	-92.57	-95.98	0.00	0.00	0.00
4,900.00	10.00	189.15	4,848.85	-591.56	-95.33	-98.84	0.00	0.00	0.00
5,000.00	10.00	189.15	4,947.33	-608.71	-98.10	-101.71	0.00	0.00	0.00

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Well:	WXY 5H	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)
5,100.00	10.00	189.15	5,045.81	-625.85	-100.86	-104.57	0.00	0.00	0.00
5,200.00	10.00	189.15	5,144.29	-642.99	-103.62	-107.44	0.00	0.00	0.00
5,300.00	10.00	189.15	5,242.77	-660.14	-106.39	-110.30	0.00	0.00	0.00
5,400.00	10.00	189.15	5,341.25	-677.28	-109.15	-113.17	0.00	0.00	0.00
5,500.00	10.00	189.15	5,439.73	-694.43	-111.91	-116.03	0.00	0.00	0.00
5,600.00	10.00	189.15	5,538.22	-711.57	-114.67	-118.89	0.00	0.00	0.00
5,700.00	10.00	189.15	5,636.70	-728.71	-117.44	-121.76	0.00	0.00	0.00
5,800.00	10.00	189.15	5,735.18	-745.86	-120.20	-124.62	0.00	0.00	0.00
5,900.00	10.00	189.15	5,833.66	-763.00	-122.96	-127.49	0.00	0.00	0.00
6,000.00	10.00	189.15	5,932.14	-780.14	-125.73	-130.35	0.00	0.00	0.00
6,100.00	10.00	189.15	6,030.62	-797.29	-128.49	-133.22	0.00	0.00	0.00
6,200.00	10.00	189.15	6,129.10	-814.43	-131.25	-136.08	0.00	0.00	0.00
6,300.00	10.00	189.15	6,227.58	-831.57	-134.01	-138.95	0.00	0.00	0.00
6,400.00	10.00	189.15	6,326.06	-848.72	-136.78	-141.81	0.00	0.00	0.00
6,500.00	10.00	189.15	6,424.54	-865.86	-139.54	-144.68	0.00	0.00	0.00
6,600.00	10.00	189.15	6,523.02	-883.01	-142.30	-147.54	0.00	0.00	0.00
6,700.00	10.00	189.15	6,621.50	-900.15	-145.07	-150.40	0.00	0.00	0.00
6,800.00	10.00	189.15	6,719.99	-917.29	-147.83	-153.27	0.00	0.00	0.00
6,845.14	10.00	189.15	6,764.44	-925.03	-149.08	-154.56	0.00	0.00	0.00
6,900.00	8.90	189.15	6,818.55	-933.93	-150.51	-156.05	2.00	-2.00	0.00
7,000.00	6.90	189.15	6,917.60	-947.50	-152.70	-158.32	2.00	-2.00	0.00
7,100.00	4.90	189.15	7,017.06	-957.65	-154.33	-160.01	2.00	-2.00	0.00
7,200.00	2.90	189.15	7,116.83	-964.37	-155.42	-161.14	2.00	-2.00	0.00
7,300.00	0.90	189.15	7,216.77	-967.65	-155.94	-161.68	2.00	-2.00	0.00
7,345.14	0.00	0.00	7,261.91	-968.00	-156.00	-161.74	2.00	-2.00	0.00
7,400.00	0.00	0.00	7,316.76	-968.00	-156.00	-161.74	0.00	0.00	0.00
7,500.00	0.00	0.00	7,416.76	-968.00	-156.00	-161.74	0.00	0.00	0.00
7,600.00	0.00	0.00	7,516.76	-968.00	-156.00	-161.74	0.00	0.00	0.00
7,700.00	0.00	0.00	7,616.76	-968.00	-156.00	-161.74	0.00	0.00	0.00
7,800.00	0.00	0.00	7,716.76	-968.00	-156.00	-161.74	0.00	0.00	0.00
7,900.00	0.00	0.00	7,816.76	-968.00	-156.00	-161.74	0.00	0.00	0.00
8,000.00	0.00	0.00	7,916.76	-968.00	-156.00	-161.74	0.00	0.00	0.00
8,100.00	0.00	0.00	8,016.76	-968.00	-156.00	-161.74	0.00	0.00	0.00
8,200.00	0.00	0.00	8,116.76	-968.00	-156.00	-161.74	0.00	0.00	0.00
8,300.00	0.00	0.00	8,216.76	-968.00	-156.00	-161.74	0.00	0.00	0.00
8,400.00	0.00	0.00	8,316.76	-968.00	-156.00	-161.74	0.00	0.00	0.00
8,480.24	0.00	0.00	8,397.00	-968.00	-156.00	-161.74	0.00	0.00	0.00
[EagleWXY5H] KOP									
8,500.00	1.98	89.66	8,416.76	-968.00	-155.66	-161.40	10.00	10.00	0.00
8,550.00	6.98	89.66	8,466.59	-967.97	-151.76	-157.50	10.00	10.00	0.00
8,600.00	11.98	89.66	8,515.89	-967.93	-143.53	-149.27	10.00	10.00	0.00
8,650.00	16.98	89.66	8,564.29	-967.85	-131.03	-136.77	10.00	10.00	0.00
8,700.00	21.98	89.66	8,611.42	-967.75	-114.37	-120.11	10.00	10.00	0.00
8,750.00	26.98	89.66	8,656.91	-967.63	-93.66	-99.40	10.00	10.00	0.00
8,800.00	31.98	89.66	8,700.42	-967.48	-69.06	-74.80	10.00	10.00	0.00
8,850.00	36.98	89.66	8,741.63	-967.31	-40.77	-46.51	10.00	10.00	0.00
8,900.00	41.98	89.66	8,780.21	-967.12	-8.99	-14.73	10.00	10.00	0.00
8,950.00	46.98	89.66	8,815.87	-966.91	26.03	20.29	10.00	10.00	0.00
9,000.00	51.98	89.66	8,848.35	-966.68	64.02	58.28	10.00	10.00	0.00
9,050.00	56.98	89.66	8,877.39	-966.44	104.70	98.96	10.00	10.00	0.00
9,100.00	61.98	89.66	8,902.78	-966.18	147.76	142.02	10.00	10.00	0.00
9,150.00	66.98	89.66	8,924.32	-965.91	192.86	187.13	10.00	10.00	0.00

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Project:	Eddy County, NM	MD Reference:	Well @ 3205.00usft (GL: 3180' + KB: 25' (Prec594))
Site:	Eagle Power Fee 23-27-5 (1-5-9)	North Reference:	Grid
Well:	WXY-5H	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)
9,200.00	71.98	89.66	8,941.84	-965.63	239.67	233.94	10.00	10.00	0.00
9,250.00	76.98	89.66	8,955.22	-965.34	287.83	282.10	10.00	10.00	0.00
9,300.00	81.98	89.66	8,964.35	-965.04	336.98	331.24	10.00	10.00	0.00
9,350.00	86.98	89.66	8,969.16	-964.74	386.73	380.99	10.00	10.00	0.00
9,372.27	89.20	89.66	8,969.90	-964.61	408.98	403.25	10.00	10.00	0.00
9,400.00	89.20	89.66	8,970.29	-964.44	436.71	430.98	0.00	0.00	0.00
9,500.00	89.20	89.66	8,971.68	-963.84	536.70	530.97	0.00	0.00	0.00
9,600.00	89.20	89.66	8,973.07	-963.24	636.69	630.96	0.00	0.00	0.00
9,700.00	89.20	89.66	8,974.46	-962.64	736.67	730.95	0.00	0.00	0.00
9,800.00	89.20	89.66	8,975.85	-962.04	836.66	830.94	0.00	0.00	0.00
9,900.00	89.20	89.66	8,977.24	-961.44	936.65	930.93	0.00	0.00	0.00
10,000.00	89.20	89.66	8,978.63	-960.84	1,036.64	1,030.92	0.00	0.00	0.00
10,100.00	89.20	89.66	8,980.02	-960.24	1,136.63	1,130.91	0.00	0.00	0.00
10,200.00	89.20	89.66	8,981.41	-959.64	1,236.62	1,230.90	0.00	0.00	0.00
10,300.00	89.20	89.66	8,982.80	-959.04	1,336.61	1,330.89	0.00	0.00	0.00
10,400.00	89.20	89.66	8,984.19	-958.44	1,436.59	1,430.88	0.00	0.00	0.00
10,500.00	89.20	89.66	8,985.58	-957.84	1,536.58	1,530.87	0.00	0.00	0.00
10,600.00	89.20	89.66	8,986.97	-957.24	1,636.57	1,630.86	0.00	0.00	0.00
10,700.00	89.20	89.66	8,988.36	-956.64	1,736.56	1,730.85	0.00	0.00	0.00
10,800.00	89.20	89.66	8,989.75	-956.04	1,836.55	1,830.84	0.00	0.00	0.00
10,900.00	89.20	89.66	8,991.14	-955.44	1,936.54	1,930.83	0.00	0.00	0.00
11,000.00	89.20	89.66	8,992.53	-954.84	2,036.53	2,030.82	0.00	0.00	0.00
11,100.00	89.20	89.66	8,993.92	-954.24	2,136.51	2,130.81	0.00	0.00	0.00
11,200.00	89.20	89.66	8,995.31	-953.64	2,236.50	2,230.80	0.00	0.00	0.00
11,300.00	89.20	89.66	8,996.70	-953.04	2,336.49	2,330.79	0.00	0.00	0.00
11,400.00	89.20	89.66	8,998.09	-952.44	2,436.48	2,430.79	0.00	0.00	0.00
11,500.00	89.20	89.66	8,999.48	-951.84	2,536.47	2,530.78	0.00	0.00	0.00
11,600.00	89.20	89.66	9,000.87	-951.24	2,636.46	2,630.77	0.00	0.00	0.00
11,700.00	89.20	89.66	9,002.26	-950.64	2,736.45	2,730.76	0.00	0.00	0.00
11,800.00	89.20	89.66	9,003.65	-950.04	2,836.43	2,830.75	0.00	0.00	0.00
11,900.00	89.20	89.66	9,005.04	-949.44	2,936.42	2,930.74	0.00	0.00	0.00
12,000.00	89.20	89.66	9,006.43	-948.84	3,036.41	3,030.73	0.00	0.00	0.00
12,100.00	89.20	89.66	9,007.82	-948.24	3,136.40	3,130.72	0.00	0.00	0.00
12,200.00	89.20	89.66	9,009.21	-947.64	3,236.39	3,230.71	0.00	0.00	0.00
12,300.00	89.20	89.66	9,010.60	-947.04	3,336.38	3,330.70	0.00	0.00	0.00
12,400.00	89.20	89.66	9,011.99	-946.44	3,436.37	3,430.69	0.00	0.00	0.00
12,500.00	89.20	89.66	9,013.38	-945.84	3,536.35	3,530.68	0.00	0.00	0.00
12,600.00	89.20	89.66	9,014.77	-945.24	3,636.34	3,630.67	0.00	0.00	0.00
12,700.00	89.20	89.66	9,016.16	-944.64	3,736.33	3,730.66	0.00	0.00	0.00
12,800.00	89.20	89.66	9,017.55	-944.04	3,836.32	3,830.65	0.00	0.00	0.00
12,900.00	89.20	89.66	9,018.94	-943.44	3,936.31	3,930.64	0.00	0.00	0.00
13,000.00	89.20	89.66	9,020.33	-942.84	4,036.30	4,030.63	0.00	0.00	0.00
13,100.00	89.20	89.66	9,021.72	-942.24	4,136.29	4,130.62	0.00	0.00	0.00
13,200.00	89.20	89.66	9,023.11	-941.64	4,236.27	4,230.61	0.00	0.00	0.00
13,300.00	89.20	89.66	9,024.50	-941.04	4,336.26	4,330.60	0.00	0.00	0.00
13,400.00	89.20	89.66	9,025.89	-940.44	4,436.25	4,430.59	0.00	0.00	0.00
13,500.00	89.20	89.66	9,027.28	-939.84	4,536.24	4,530.58	0.00	0.00	0.00
13,600.00	89.20	89.66	9,028.67	-939.24	4,636.23	4,630.57	0.00	0.00	0.00
13,701.36	89.20	89.66	9,030.08	-938.63	4,737.58	4,731.93	0.00	0.00	0.00
[Eagle WXY-5H] LTP/BHL									
13,746.36	89.20	89.66	9,030.71	-938.36	4,782.57	4,776.92	0.00	0.00	0.00

Database:	WellPlanner1	Local Co-ordinate Reference:	Well WXY 5H
Company:	Marathon Oil	TVD Reference:	Well @ 3205.00usft (GL: 3180' + KB: 25' (Prec594))
Project:	Eddy County, NM	MD Reference:	Well @ 3205.00usft (GL: 3180' + KB: 25' (Prec594))
Site:	Eagle Power Fee 23-27-5 (1-5-9)	North Reference:	Grid
Well:	WXY 5H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Prelim Plan A		



Marathon Oil
Eddy County, NM
Eagle Power Fee 23-27-5 (1-5-9)
WXY 5H
Prelim Plan A
GL: 3180' + KB: 25' (Prec594)



US State Plane 1927 (Exact solution)
NAD 1927 (NADCON CONUS)
Clarke 1866
New Mexico East 3001
Mean Sea Level

RKB Elevation: Well @ 3205.00usft (GL: 3180' + KB: 25' (Prec594))

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	486488.10	535133.30	32.337420	-104.219580	

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	Vsect
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	189.15	1697.47	-42.97	-6.92	2.00	-7.18
4	6845.14	10.00	189.15	6764.44	-925.03	-149.08	0.00	-154.56
5	7345.14	0.00	0.00	7261.91	-968.00	-156.00	2.00	-161.74
6	8480.24	0.00	0.00	8397.00	-968.00	-156.00	0.00	-161.74
7	9372.27	89.20	89.66	8969.90	-964.61	408.98	10.00	403.25
8	13701.36	89.66	89.66	9030.08	-938.63	4737.58	0.00	4731.93
9	13746.36	89.20	89.66	9030.71	-938.36	4782.57	0.00	4776.92

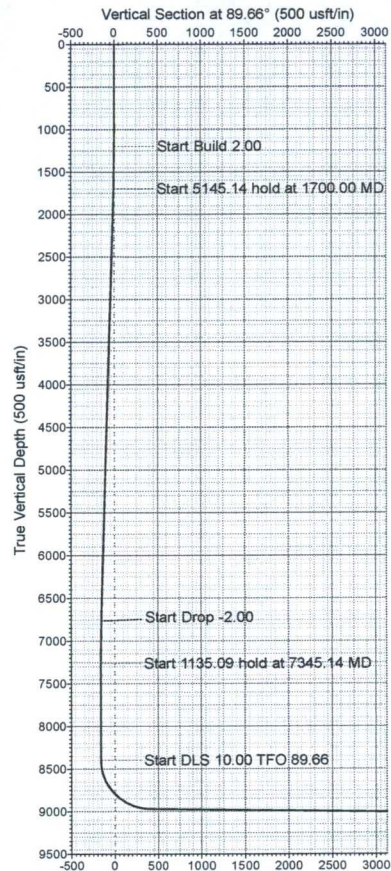


Azimuths to Grid North
True North: -0.06°
Magnetic North: 7.29°

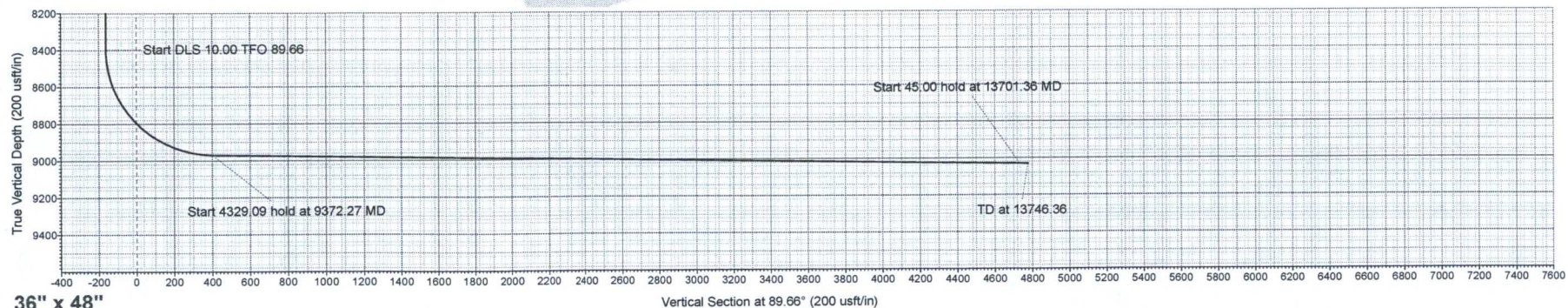
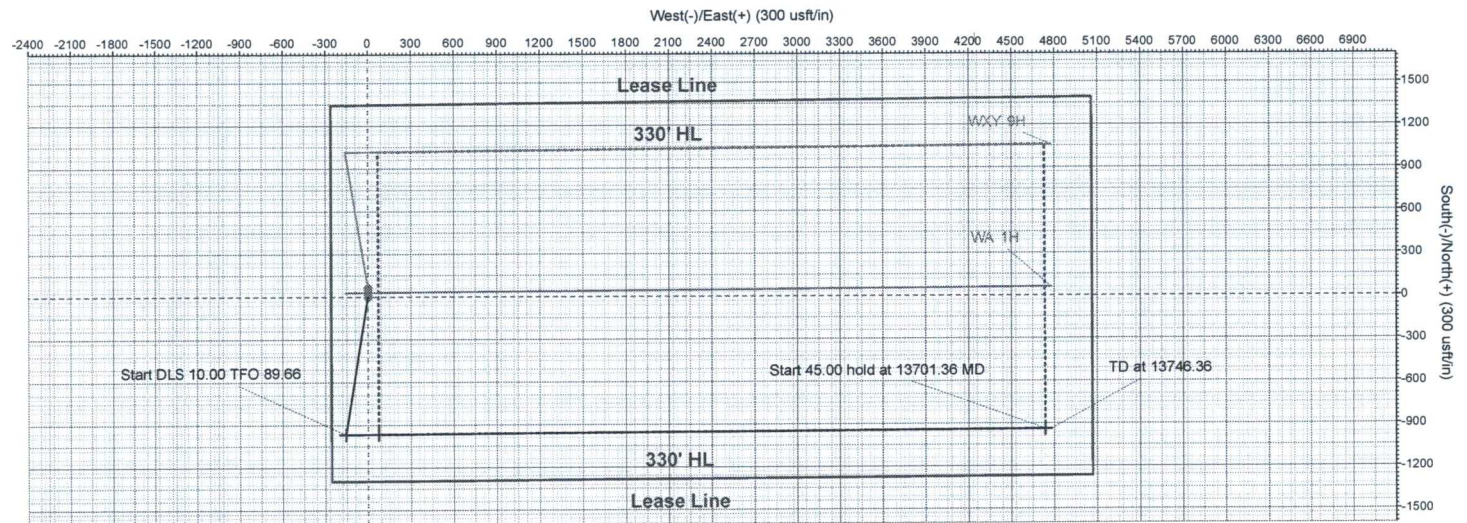
Magnetic Field
Strength: 48011.8nT
Dip Angle: 60.07°
Date: 4/17/2018
Model: HDGM

Azimuth Corrections

Total Magnetic Corr. (M to G): 7.29°
Declination (M to T): 7.35° East



Target Line: 8964' TVD @ 0° VS, 89.2° INC



36" x 48"