

NM OIL CONSERVATION ARTESIA DISTRICT

MAR 28 2018



Pro Directional

Survey Report

30-015-44849

Marathon Oil

Company:	Marathon Oil	Local Co-ordinate Reference:	Well WA #1H
Project:	Eddy County, NM	TVD Reference:	Well @ 3092.50usft (GL: 3066' + KB: 26.5' (H&P423))
Site:	Mariner Fee 23-28-19	MD Reference:	Well @ 3092.50usft (GL: 3066' + KB: 26.5' (H&P423))
Well:	WA #1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Prelim Plan A	Database:	WellPlanner1

RECEIVED

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		Mariner Fee 23-28-19			
Site Position:		Northing:		472,817.80 usft	
From:		Easting:		564,941.79 usft	
Map		Longitude:		-104.1231537	
Position Uncertainty:		0.00 usft		Slot Radius:	
		13-3/16 "		Grid Convergence:	
				0.11 °	

Well	WA #1H					
Well Position	+N/-S	0.00 usft	Northing:	472,817.80 usft	Latitude:	32.2997180
	+E/-W	0.00 usft	Easting:	564,881.79 usft	Longitude:	-104.1233479
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,066.00 usft

Wellbore	OH				
Magnetic	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	3/22/2018	7.30	60.08	48,024.20

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	179.92

Survey Tool Program		Date	3/22/2018	
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	14,536.08	Prelim Plan A (OH)	MWD+IFR1	OWSG MWD + IFR1

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
[MarinerWA#1H]FTP: 996' VS									
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

Company:	Marathon Oil	Local Co-ordinate Reference:	Well WA #1H
Project:	Eddy County, NM	TVD Reference:	Well @ 3092.50usft (GL: 3066' + KB: 26.5' (H&P423))
Site:	Mariner Fee 23-28-19	MD Reference:	Well @ 3092.50usft (GL: 3066' + KB: 26.5' (H&P423))
Well:	WA #1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Prelim Plan A	Database:	WellPlanner1

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)
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	1.00	228.97	1,299.99	-0.57	-0.66	0.57	1.00	1.00	0.00
1,400.00	2.00	228.97	1,399.96	-2.29	-2.63	2.29	1.00	1.00	0.00
1,500.00	3.00	228.97	1,499.86	-5.15	-5.92	5.15	1.00	1.00	0.00
1,600.00	4.00	228.97	1,599.68	-9.16	-10.53	9.15	1.00	1.00	0.00
1,700.00	5.00	228.97	1,699.37	-14.31	-16.45	14.29	1.00	1.00	0.00
1,800.00	6.00	228.97	1,798.90	-20.60	-23.68	20.57	1.00	1.00	0.00
1,900.00	7.00	228.97	1,898.26	-28.04	-32.22	27.99	1.00	1.00	0.00
2,000.00	8.00	228.97	1,997.40	-36.60	-42.06	36.54	1.00	1.00	0.00
2,100.00	9.00	228.97	2,096.30	-46.31	-53.21	46.23	1.00	1.00	0.00
2,200.00	10.00	228.97	2,194.93	-57.14	-65.66	57.05	1.00	1.00	0.00
2,300.00	11.00	228.97	2,293.26	-69.10	-79.41	68.99	1.00	1.00	0.00
2,400.00	12.00	228.97	2,391.25	-82.19	-94.45	82.06	1.00	1.00	0.00
2,500.00	12.00	228.97	2,489.06	-95.84	-110.13	95.69	0.00	0.00	0.00
2,600.00	12.00	228.97	2,586.88	-109.49	-125.82	109.31	0.00	0.00	0.00
2,700.00	12.00	228.97	2,684.69	-123.14	-141.50	122.94	0.00	0.00	0.00
2,800.00	12.00	228.97	2,782.51	-136.78	-157.19	136.57	0.00	0.00	0.00
2,900.00	12.00	228.97	2,880.32	-150.43	-172.87	150.19	0.00	0.00	0.00
3,000.00	12.00	228.97	2,978.13	-164.08	-188.56	163.82	0.00	0.00	0.00
3,100.00	12.00	228.97	3,075.95	-177.73	-204.24	177.44	0.00	0.00	0.00
3,200.00	12.00	228.97	3,173.76	-191.38	-219.92	191.07	0.00	0.00	0.00
3,300.00	12.00	228.97	3,271.58	-205.03	-235.61	204.70	0.00	0.00	0.00
3,400.00	12.00	228.97	3,369.39	-218.68	-251.29	218.32	0.00	0.00	0.00
3,500.00	12.00	228.97	3,467.21	-232.32	-266.98	231.95	0.00	0.00	0.00
3,600.00	12.00	228.97	3,565.02	-245.97	-282.66	245.58	0.00	0.00	0.00
3,700.00	12.00	228.97	3,662.84	-259.62	-298.35	259.20	0.00	0.00	0.00
3,800.00	12.00	228.97	3,760.65	-273.27	-314.03	272.83	0.00	0.00	0.00
3,900.00	12.00	228.97	3,858.47	-286.92	-329.71	286.46	0.00	0.00	0.00
4,000.00	12.00	228.97	3,956.28	-300.57	-345.40	300.08	0.00	0.00	0.00
4,100.00	12.00	228.97	4,054.10	-314.21	-361.08	313.71	0.00	0.00	0.00
4,200.00	12.00	228.97	4,151.91	-327.86	-376.77	327.34	0.00	0.00	0.00
4,300.00	12.00	228.97	4,249.73	-341.51	-392.45	340.96	0.00	0.00	0.00
4,400.00	12.00	228.97	4,347.54	-355.16	-408.13	354.59	0.00	0.00	0.00
4,500.00	12.00	228.97	4,445.36	-368.81	-423.82	368.22	0.00	0.00	0.00
4,600.00	12.00	228.97	4,543.17	-382.46	-439.50	381.84	0.00	0.00	0.00
4,700.00	12.00	228.97	4,640.99	-396.10	-455.19	395.47	0.00	0.00	0.00
4,800.00	12.00	228.97	4,738.80	-409.75	-470.87	409.09	0.00	0.00	0.00
4,883.92	12.00	228.97	4,820.88	-421.21	-484.03	420.53	0.00	0.00	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)
4,900.00	11.76	228.97	4,836.62	-423.38	-486.53	422.70	1.50	-1.50	0.00
5,000.00	10.26	228.97	4,934.78	-435.91	-500.94	435.21	1.50	-1.50	0.00
5,100.00	8.76	228.97	5,033.40	-446.76	-513.40	446.04	1.50	-1.50	0.00
5,200.00	7.26	228.97	5,132.42	-455.90	-523.91	455.17	1.50	-1.50	0.00
5,300.00	5.76	228.97	5,231.78	-463.35	-532.46	462.60	1.50	-1.50	0.00
5,400.00	4.26	228.97	5,331.39	-469.08	-539.04	468.32	1.50	-1.50	0.00
5,500.00	2.76	228.97	5,431.20	-473.09	-543.66	472.33	1.50	-1.50	0.00
5,600.00	1.26	228.97	5,531.14	-475.39	-546.30	474.63	1.50	-1.50	0.00
5,683.92	0.00	0.00	5,615.05	-476.00	-547.00	475.24	1.50	-1.50	0.00
5,700.00	0.00	0.00	5,631.13	-476.00	-547.00	475.24	0.00	0.00	0.00
5,800.00	0.00	0.00	5,731.13	-476.00	-547.00	475.24	0.00	0.00	0.00
5,900.00	0.00	0.00	5,831.13	-476.00	-547.00	475.24	0.00	0.00	0.00
6,000.00	0.00	0.00	5,931.13	-476.00	-547.00	475.24	0.00	0.00	0.00
6,100.00	0.00	0.00	6,031.13	-476.00	-547.00	475.24	0.00	0.00	0.00
6,200.00	0.00	0.00	6,131.13	-476.00	-547.00	475.24	0.00	0.00	0.00
6,300.00	0.00	0.00	6,231.13	-476.00	-547.00	475.24	0.00	0.00	0.00
6,400.00	0.00	0.00	6,331.13	-476.00	-547.00	475.24	0.00	0.00	0.00
6,500.00	0.00	0.00	6,431.13	-476.00	-547.00	475.24	0.00	0.00	0.00
6,600.00	0.00	0.00	6,531.13	-476.00	-547.00	475.24	0.00	0.00	0.00
6,700.00	0.00	0.00	6,631.13	-476.00	-547.00	475.24	0.00	0.00	0.00
6,800.00	0.00	0.00	6,731.13	-476.00	-547.00	475.24	0.00	0.00	0.00
6,900.00	0.00	0.00	6,831.13	-476.00	-547.00	475.24	0.00	0.00	0.00
7,000.00	0.00	0.00	6,931.13	-476.00	-547.00	475.24	0.00	0.00	0.00
7,100.00	0.00	0.00	7,031.13	-476.00	-547.00	475.24	0.00	0.00	0.00
7,200.00	0.00	0.00	7,131.13	-476.00	-547.00	475.24	0.00	0.00	0.00
7,300.00	0.00	0.00	7,231.13	-476.00	-547.00	475.24	0.00	0.00	0.00
7,400.00	0.00	0.00	7,331.13	-476.00	-547.00	475.24	0.00	0.00	0.00
7,500.00	0.00	0.00	7,431.13	-476.00	-547.00	475.24	0.00	0.00	0.00
7,600.00	0.00	0.00	7,531.13	-476.00	-547.00	475.24	0.00	0.00	0.00
7,700.00	0.00	0.00	7,631.13	-476.00	-547.00	475.24	0.00	0.00	0.00
7,800.00	0.00	0.00	7,731.13	-476.00	-547.00	475.24	0.00	0.00	0.00
7,900.00	0.00	0.00	7,831.13	-476.00	-547.00	475.24	0.00	0.00	0.00
8,000.00	0.00	0.00	7,931.13	-476.00	-547.00	475.24	0.00	0.00	0.00
8,100.00	0.00	0.00	8,031.13	-476.00	-547.00	475.24	0.00	0.00	0.00
8,200.00	0.00	0.00	8,131.13	-476.00	-547.00	475.24	0.00	0.00	0.00
8,300.00	0.00	0.00	8,231.13	-476.00	-547.00	475.24	0.00	0.00	0.00
8,400.00	0.00	0.00	8,331.13	-476.00	-547.00	475.24	0.00	0.00	0.00
8,500.00	0.00	0.00	8,431.13	-476.00	-547.00	475.24	0.00	0.00	0.00
8,600.00	0.00	0.00	8,531.13	-476.00	-547.00	475.24	0.00	0.00	0.00
8,700.00	0.00	0.00	8,631.13	-476.00	-547.00	475.24	0.00	0.00	0.00
8,800.00	0.00	0.00	8,731.13	-476.00	-547.00	475.24	0.00	0.00	0.00
8,900.00	0.00	0.00	8,831.13	-476.00	-547.00	475.24	0.00	0.00	0.00

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Well:	WA #1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Prelim Plan A	Database:	WellPlanner1

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)
9,000.00	0.00	0.00	8,931.13	-476.00	-547.00	475.24	0.00	0.00	0.00
9,047.87	0.00	0.00	8,979.00	-476.00	-547.00	475.24	0.00	0.00	0.00
[MarinerWA#1H]KOP									
9,050.00	0.23	179.92	8,981.13	-476.00	-547.00	475.24	11.00	11.00	0.00
9,100.00	5.73	179.92	9,031.04	-478.61	-547.00	477.84	11.00	11.00	0.00
9,150.00	11.23	179.92	9,080.48	-485.98	-546.99	485.22	11.00	11.00	0.00
9,200.00	16.73	179.92	9,128.98	-498.06	-546.97	497.29	11.00	11.00	0.00
9,250.00	22.23	179.92	9,176.10	-514.73	-546.95	513.97	11.00	11.00	0.00
9,300.00	27.73	179.92	9,221.40	-535.84	-546.92	535.08	11.00	11.00	0.00
9,350.00	33.23	179.92	9,264.47	-561.20	-546.88	560.43	11.00	11.00	0.00
9,400.00	38.73	179.92	9,304.91	-590.56	-546.84	589.80	11.00	11.00	0.00
9,450.00	44.23	179.92	9,342.36	-623.67	-546.79	622.91	11.00	11.00	0.00
9,500.00	49.73	179.92	9,376.45	-660.22	-546.74	659.45	11.00	11.00	0.00
9,550.00	55.23	179.92	9,406.89	-699.86	-546.68	699.10	11.00	11.00	0.00
9,600.00	60.73	179.92	9,433.39	-742.24	-546.62	741.47	11.00	11.00	0.00
9,650.00	66.23	179.92	9,455.70	-786.96	-546.56	786.20	11.00	11.00	0.00
9,700.00	71.73	179.92	9,473.63	-833.62	-546.49	832.85	11.00	11.00	0.00
9,750.00	77.23	179.92	9,487.00	-881.78	-546.42	881.01	11.00	11.00	0.00
9,800.00	82.73	179.92	9,495.69	-931.00	-546.35	930.23	11.00	11.00	0.00
9,850.00	88.23	179.92	9,499.62	-980.82	-546.28	980.06	11.00	11.00	0.00
9,866.04	90.00	179.92	9,499.87	-996.86	-546.26	996.09	11.00	11.00	0.00
9,900.00	90.00	179.92	9,499.87	-1,030.82	-546.21	1,030.06	0.00	0.00	0.00
10,000.00	90.00	179.92	9,499.87	-1,130.82	-546.07	1,130.06	0.00	0.00	0.00
10,100.00	90.00	179.92	9,499.88	-1,230.82	-545.93	1,230.06	0.00	0.00	0.00
10,200.00	90.00	179.92	9,499.88	-1,330.82	-545.79	1,330.06	0.00	0.00	0.00
10,300.00	90.00	179.92	9,499.88	-1,430.82	-545.65	1,430.06	0.00	0.00	0.00
10,400.00	90.00	179.92	9,499.89	-1,530.82	-545.50	1,530.06	0.00	0.00	0.00
10,500.00	90.00	179.92	9,499.89	-1,630.82	-545.36	1,630.06	0.00	0.00	0.00
10,600.00	90.00	179.92	9,499.89	-1,730.82	-545.22	1,730.06	0.00	0.00	0.00
10,700.00	90.00	179.92	9,499.89	-1,830.82	-545.08	1,830.06	0.00	0.00	0.00
10,800.00	90.00	179.92	9,499.90	-1,930.82	-544.94	1,930.06	0.00	0.00	0.00
10,900.00	90.00	179.92	9,499.90	-2,030.82	-544.80	2,030.06	0.00	0.00	0.00
11,000.00	90.00	179.92	9,499.90	-2,130.82	-544.65	2,130.06	0.00	0.00	0.00
11,100.00	90.00	179.92	9,499.91	-2,230.82	-544.51	2,230.06	0.00	0.00	0.00
11,200.00	90.00	179.92	9,499.91	-2,330.82	-544.37	2,330.06	0.00	0.00	0.00
11,300.00	90.00	179.92	9,499.91	-2,430.82	-544.23	2,430.06	0.00	0.00	0.00
11,400.00	90.00	179.92	9,499.91	-2,530.82	-544.09	2,530.06	0.00	0.00	0.00
11,500.00	90.00	179.92	9,499.92	-2,630.82	-543.94	2,630.06	0.00	0.00	0.00
11,600.00	90.00	179.92	9,499.92	-2,730.82	-543.80	2,730.06	0.00	0.00	0.00
11,700.00	90.00	179.92	9,499.92	-2,830.82	-543.66	2,830.06	0.00	0.00	0.00
11,800.00	90.00	179.92	9,499.92	-2,930.82	-543.52	2,930.06	0.00	0.00	0.00
11,900.00	90.00	179.92	9,499.93	-3,030.82	-543.38	3,030.06	0.00	0.00	0.00

Company:	Marathon Oil	Local Co-ordinate Reference:	Well WA #1H
Project:	Eddy County, NM	TVD Reference:	Well @ 3092.50usft (GL: 3066' + KB: 26.5' (H&P423))
Site:	Mariner Fee 23-28-19	MD Reference:	Well @ 3092.50usft (GL: 3066' + KB: 26.5' (H&P423))
Well:	WA #1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Prelim Plan A	Database:	WellPlanner1

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)	
12,000.00	90.00	179.92	9,499.93	-3,130.82	-543.24	3,130.06	0.00	0.00	0.00	
12,100.00	90.00	179.92	9,499.93	-3,230.82	-543.09	3,230.06	0.00	0.00	0.00	
12,200.00	90.00	179.92	9,499.94	-3,330.82	-542.95	3,330.06	0.00	0.00	0.00	
12,300.00	90.00	179.92	9,499.94	-3,430.82	-542.81	3,430.06	0.00	0.00	0.00	
12,400.00	90.00	179.92	9,499.94	-3,530.82	-542.67	3,530.06	0.00	0.00	0.00	
12,500.00	90.00	179.92	9,499.94	-3,630.82	-542.53	3,630.06	0.00	0.00	0.00	
12,600.00	90.00	179.92	9,499.95	-3,730.82	-542.39	3,730.06	0.00	0.00	0.00	
12,700.00	90.00	179.92	9,499.95	-3,830.82	-542.24	3,830.06	0.00	0.00	0.00	
12,800.00	90.00	179.92	9,499.95	-3,930.82	-542.10	3,930.06	0.00	0.00	0.00	
12,900.00	90.00	179.92	9,499.95	-4,030.82	-541.96	4,030.06	0.00	0.00	0.00	
13,000.00	90.00	179.92	9,499.96	-4,130.82	-541.82	4,130.06	0.00	0.00	0.00	
13,100.00	90.00	179.92	9,499.96	-4,230.82	-541.68	4,230.06	0.00	0.00	0.00	
13,200.00	90.00	179.92	9,499.96	-4,330.82	-541.53	4,330.06	0.00	0.00	0.00	
13,300.00	90.00	179.92	9,499.97	-4,430.82	-541.39	4,430.06	0.00	0.00	0.00	
13,400.00	90.00	179.92	9,499.97	-4,530.82	-541.25	4,530.06	0.00	0.00	0.00	
13,500.00	90.00	179.92	9,499.97	-4,630.82	-541.11	4,630.06	0.00	0.00	0.00	
13,600.00	90.00	179.92	9,499.97	-4,730.82	-540.97	4,730.06	0.00	0.00	0.00	
13,700.00	90.00	179.92	9,499.98	-4,830.82	-540.83	4,830.06	0.00	0.00	0.00	
13,800.00	90.00	179.92	9,499.98	-4,930.82	-540.68	4,930.06	0.00	0.00	0.00	
13,900.00	90.00	179.92	9,499.98	-5,030.82	-540.54	5,030.06	0.00	0.00	0.00	
14,000.00	90.00	179.92	9,499.99	-5,130.82	-540.40	5,130.06	0.00	0.00	0.00	
14,100.00	90.00	179.92	9,499.99	-5,230.82	-540.26	5,230.06	0.00	0.00	0.00	
14,200.00	90.00	179.92	9,499.99	-5,330.82	-540.12	5,330.06	0.00	0.00	0.00	
14,300.00	90.00	179.92	9,499.99	-5,430.81	-539.97	5,430.06	0.00	0.00	0.00	
14,400.00	90.00	179.92	9,500.00	-5,530.81	-539.83	5,530.06	0.00	0.00	0.00	
14,500.00	90.00	179.92	9,500.00	-5,630.81	-539.69	5,630.06	0.00	0.00	0.00	
14,536.08	90.00	179.92	9,500.00	-5,666.89	-539.64	5,666.13	0.00	0.00	0.00	
[MarinerWA#1H]LTP/BHL: 5666' VS										

Design Targets										
Target Name	Hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
[MarinerWA#1H]FTP: 99	- plan misses target center by 1136.94usft at 0.00usft MD (0.00 TVD, 0.00 N, 0.00 E)	0.00	0.00	0.00	-997.07	-546.34	471,820.73	564,335.45	32.2969800	-104.1251224
- Point										
[MarinerWA#1H]KOP	- plan hits target center	0.00	0.00	8,979.00	-476.00	-547.00	472,341.80	564,334.79	32.2984124	-104.1251212
- Point										
[MarinerWA#1H]LTP/BH	- plan hits target center	0.00	0.00	9,500.00	-5,666.89	-539.64	467,150.91	564,342.15	32.2841429	-104.1251300
- Point										

Company:	Marathon Oil	Local Co-ordinate Reference:	Well WA #1H
Project:	Eddy County, NM	TVD Reference:	Well @ 3092.50usft (GL: 3066' + KB: 26.5' (H&P423))
Site:	Mariner Fee 23-28-19	MD Reference:	Well @ 3092.50usft (GL: 3066' + KB: 26.5' (H&P423))
Well:	WA #1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Prelim Plan A	Database:	WellPlanner1

Checked By: _____ Approved By: _____ Date: _____

