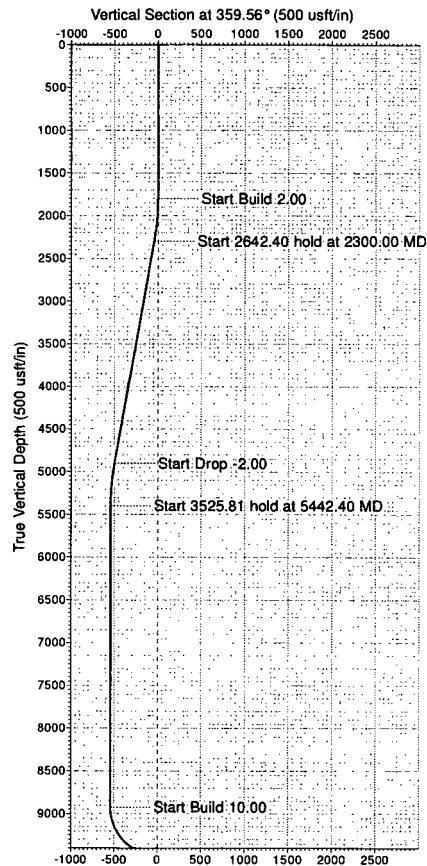




US State Plane 1927 (Exact solution)
NAD 1927 (NADCON CONUS)
Clarke 1866
New Mexico East 3001
Mean Sea Level

RKB Elevation: well @ 3545.50usft

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	441863.34	770140.19	32.211782	-103.459900	

SECTION DETAILS

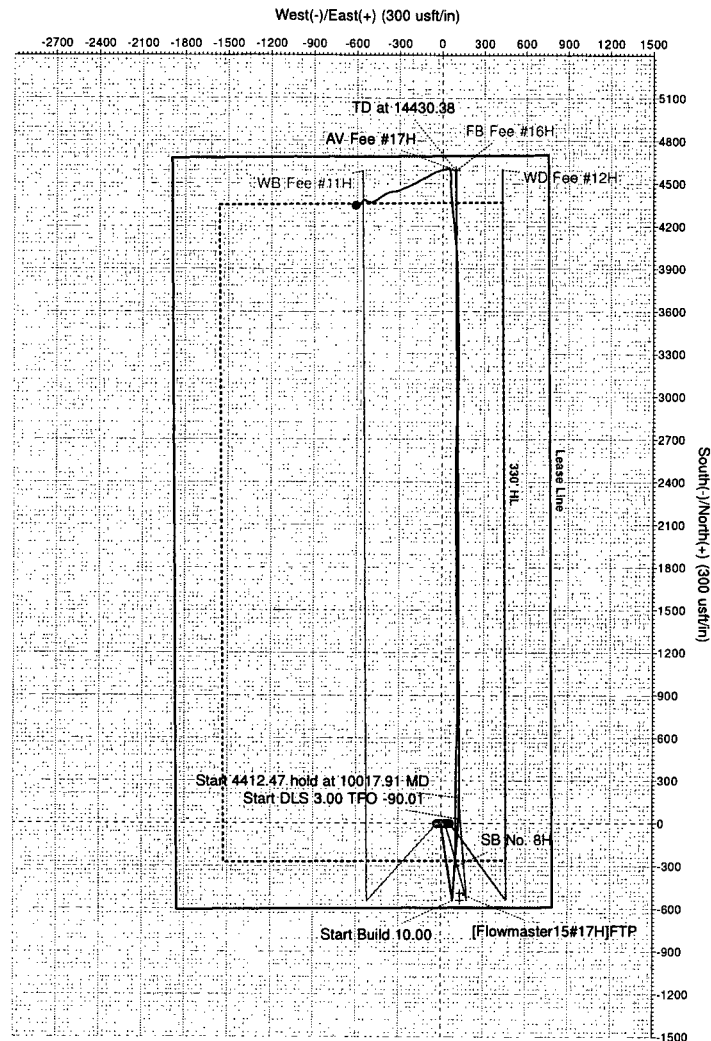
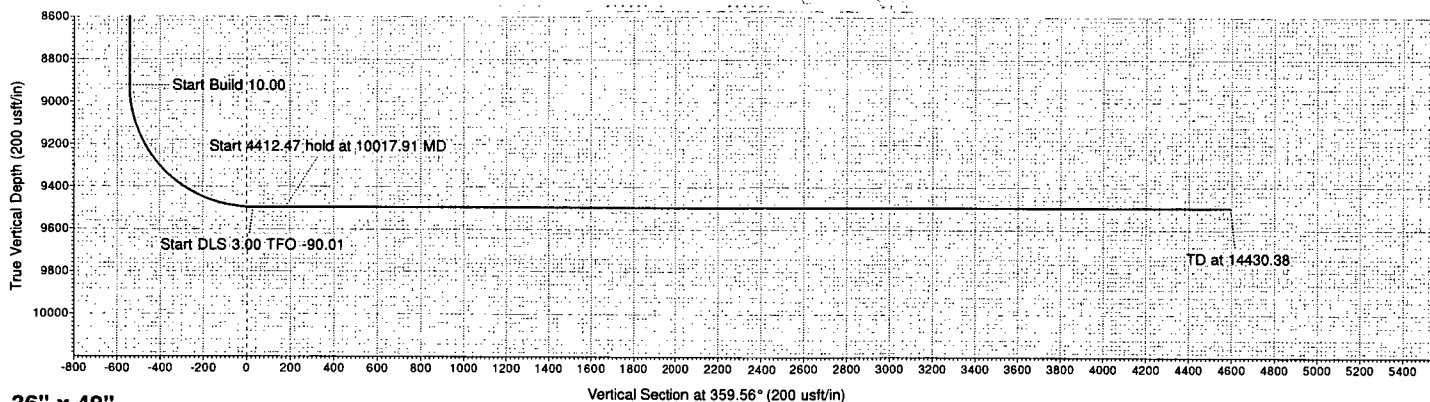
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	Vsect
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	1800.00	0.00	0.00	1800.00	0.00	0.00	0.00	0.00
3	2300.00	10.00	171.57	2297.47	-43.05	6.38	2.00	-43.10
4	4942.40	10.00	171.57	4899.73	-496.95	73.62	0.00	-497.50
5	5442.40	0.00	0.00	5397.19	-540.00	80.00	2.00	-540.60
6	8968.21	0.00	0.00	8923.00	-540.00	80.00	0.00	-540.60
7	9868.21	90.00	4.05	9495.96	31.53	120.47	10.00	30.60
8	10017.91	90.00	359.56	9495.96	181.11	125.18	3.00	180.14
9	14430.38	90.00	359.56	9496.00	4593.45	91.23	0.00	4592.61

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
[Flowmaster15#17H]FTP	0.00	-490.33	129.96	441373.01	770270.15
[Flowmaster15#17H]KOP	8923.00	-540.32	130.34	441323.02	770270.53
[Flowmaster15#17H]LTP/BHL	9496.00	4593.45	91.23	446456.79	770231.42



Target Line: 9496' TVD @ 0° VS, 90° INC



Azimuths to Grid North
True North: -0.47°
Magnetic North: 6.22°

Magnetic Field
Strength: 47939.1snT
Dip Angle: 59.90°
Date: 12/17/2018
Model: HDGM

Azimuth Corrections

Total Magnetic Corr. (M to G): 6.22°

Declination (M to T): 6.68° East

Company:	Marathon Oil	Local Co-ordinate Reference:	Well AV Fee #17H
Project:	Lea County, NM	TVD Reference:	well @ 3545.50usft
Site:	Flowmaster 15 (11-12-16-17)	MD Reference:	well @ 3545.50usft
Well:	AV Fee #17H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Prelim Plan A	Database:	WellPlanner1

Project	Lea 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		Flowmaster 15 (11-12-16-17)			
Site Position:		Northing:	441,863.44 usft	Latitude:	32.211783
From:	Map	Easting:	770,110.06 usft	Longitude:	-103.459997
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.47 °

Well	AV Fee #17H					
Well Position	+N/-S	0.00 usft	Northing:	441,863.34 usft	Latitude:	32.211782
	+E/-W	0.00 usft	Easting:	770,140.19 usft	Longitude:	-103.459900
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,519.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	12/17/2018	6.68	59.90	47,939.10

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	359.56

Survey Tool Program	Date	12/17/2018		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	1,850.00	Prelim Plan A (OH)	MWD+IFR1	OWSG MWD + IFR1
1,850.00	5,400.00	Prelim Plan A (OH)	MWD+IFR1	OWSG MWD + IFR1
5,400.00	10,000.00	Prelim Plan A (OH)	MWD+IFR1	OWSG MWD + IFR1
10,000.00	14,430.38	Prelim Plan A (OH)	MWD+IFR1	OWSG MWD + IFR1

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
[Flowmaster15#17H]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

Company:	Marathon Oil	Local Co-ordinate Reference:	Well AV Fee #17H
Project:	Lea County, NM	TVD Reference:	well @ 3545.50usft
Site:	Flowmaster 15 (11-12-16-17)	MD Reference:	well @ 3545.50usft
Well:	AV Fee #17H	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)
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	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	2.00	171.57	1,899.98	-1.73	0.26	-1.73	2.00	2.00	0.00
2,000.00	4.00	171.57	1,999.84	-6.90	1.02	-6.91	2.00	2.00	0.00
2,100.00	6.00	171.57	2,099.45	-15.52	2.30	-15.54	2.00	2.00	0.00
2,200.00	8.00	171.57	2,198.70	-27.58	4.09	-27.61	2.00	2.00	0.00
2,300.00	10.00	171.57	2,297.47	-43.05	6.38	-43.10	2.00	2.00	0.00
2,400.00	10.00	171.57	2,395.95	-60.23	8.92	-60.30	0.00	0.00	0.00
2,500.00	10.00	171.57	2,494.43	-77.41	11.47	-77.49	0.00	0.00	0.00
2,600.00	10.00	171.57	2,592.91	-94.58	14.01	-94.69	0.00	0.00	0.00
2,700.00	10.00	171.57	2,691.39	-111.76	16.56	-111.89	0.00	0.00	0.00
2,800.00	10.00	171.57	2,789.87	-128.94	19.10	-129.08	0.00	0.00	0.00
2,900.00	10.00	171.57	2,888.35	-146.12	21.65	-146.28	0.00	0.00	0.00
3,000.00	10.00	171.57	2,986.83	-163.29	24.19	-163.48	0.00	0.00	0.00
3,100.00	10.00	171.57	3,085.31	-180.47	26.74	-180.67	0.00	0.00	0.00
3,200.00	10.00	171.57	3,183.79	-197.65	29.28	-197.87	0.00	0.00	0.00
3,300.00	10.00	171.57	3,282.27	-214.83	31.83	-215.06	0.00	0.00	0.00
3,400.00	10.00	171.57	3,380.75	-232.00	34.37	-232.26	0.00	0.00	0.00
3,500.00	10.00	171.57	3,479.23	-249.18	36.92	-249.46	0.00	0.00	0.00
3,600.00	10.00	171.57	3,577.72	-266.36	39.46	-266.65	0.00	0.00	0.00
3,700.00	10.00	171.57	3,676.20	-283.54	42.01	-283.85	0.00	0.00	0.00
3,800.00	10.00	171.57	3,774.68	-300.71	44.55	-301.05	0.00	0.00	0.00
3,900.00	10.00	171.57	3,873.16	-317.89	47.09	-318.24	0.00	0.00	0.00
4,000.00	10.00	171.57	3,971.64	-335.07	49.64	-335.44	0.00	0.00	0.00
4,100.00	10.00	171.57	4,070.12	-352.24	52.18	-352.64	0.00	0.00	0.00
4,200.00	10.00	171.57	4,168.60	-369.42	54.73	-369.83	0.00	0.00	0.00
4,300.00	10.00	171.57	4,267.08	-386.60	57.27	-387.03	0.00	0.00	0.00
4,400.00	10.00	171.57	4,365.56	-403.78	59.82	-404.22	0.00	0.00	0.00
4,500.00	10.00	171.57	4,464.04	-420.95	62.36	-421.42	0.00	0.00	0.00
4,600.00	10.00	171.57	4,562.52	-438.13	64.91	-438.62	0.00	0.00	0.00
4,700.00	10.00	171.57	4,661.00	-455.31	67.45	-455.81	0.00	0.00	0.00
4,800.00	10.00	171.57	4,759.48	-472.49	70.00	-473.01	0.00	0.00	0.00
4,900.00	10.00	171.57	4,857.97	-489.66	72.54	-490.21	0.00	0.00	0.00

Company:	Marathon Oil	Local Co-ordinate Reference:	Well AV Fee #17H
Project:	Lea County, NM	TVD Reference:	well @ 3545.50usft
Site:	Flowmaster 15 (11-12-16-17)	MD Reference:	well @ 3545.50usft
Well:	AV Fee #17H	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)
4,942.40	10.00	171.57	4,899.73	-496.95	73.62	-497.50	0.00	0.00	0.00
5,000.00	8.85	171.57	4,956.54	-506.28	75.00	-506.84	2.00	-2.00	0.00
5,100.00	6.85	171.57	5,055.60	-519.78	77.00	-520.36	2.00	-2.00	0.00
5,200.00	4.85	171.57	5,155.08	-529.86	78.50	-530.45	2.00	-2.00	0.00
5,300.00	2.85	171.57	5,254.85	-536.50	79.48	-537.09	2.00	-2.00	0.00
5,400.00	0.85	171.57	5,354.79	-539.69	79.95	-540.29	2.00	-2.00	0.00
5,442.40	0.00	0.00	5,397.19	-540.00	80.00	-540.60	2.00	-2.00	0.00
5,500.00	0.00	0.00	5,454.79	-540.00	80.00	-540.60	0.00	0.00	0.00
5,600.00	0.00	0.00	5,554.79	-540.00	80.00	-540.60	0.00	0.00	0.00
5,700.00	0.00	0.00	5,654.79	-540.00	80.00	-540.60	0.00	0.00	0.00
5,800.00	0.00	0.00	5,754.79	-540.00	80.00	-540.60	0.00	0.00	0.00
5,900.00	0.00	0.00	5,854.79	-540.00	80.00	-540.60	0.00	0.00	0.00
6,000.00	0.00	0.00	5,954.79	-540.00	80.00	-540.60	0.00	0.00	0.00
6,100.00	0.00	0.00	6,054.79	-540.00	80.00	-540.60	0.00	0.00	0.00
6,200.00	0.00	0.00	6,154.79	-540.00	80.00	-540.60	0.00	0.00	0.00
6,300.00	0.00	0.00	6,254.79	-540.00	80.00	-540.60	0.00	0.00	0.00
6,400.00	0.00	0.00	6,354.79	-540.00	80.00	-540.60	0.00	0.00	0.00
6,500.00	0.00	0.00	6,454.79	-540.00	80.00	-540.60	0.00	0.00	0.00
6,600.00	0.00	0.00	6,554.79	-540.00	80.00	-540.60	0.00	0.00	0.00
6,700.00	0.00	0.00	6,654.79	-540.00	80.00	-540.60	0.00	0.00	0.00
6,800.00	0.00	0.00	6,754.79	-540.00	80.00	-540.60	0.00	0.00	0.00
6,900.00	0.00	0.00	6,854.79	-540.00	80.00	-540.60	0.00	0.00	0.00
7,000.00	0.00	0.00	6,954.79	-540.00	80.00	-540.60	0.00	0.00	0.00
7,100.00	0.00	0.00	7,054.79	-540.00	80.00	-540.60	0.00	0.00	0.00
7,200.00	0.00	0.00	7,154.79	-540.00	80.00	-540.60	0.00	0.00	0.00
7,300.00	0.00	0.00	7,254.79	-540.00	80.00	-540.60	0.00	0.00	0.00
7,400.00	0.00	0.00	7,354.79	-540.00	80.00	-540.60	0.00	0.00	0.00
7,500.00	0.00	0.00	7,454.79	-540.00	80.00	-540.60	0.00	0.00	0.00
7,600.00	0.00	0.00	7,554.79	-540.00	80.00	-540.60	0.00	0.00	0.00
7,700.00	0.00	0.00	7,654.79	-540.00	80.00	-540.60	0.00	0.00	0.00
7,800.00	0.00	0.00	7,754.79	-540.00	80.00	-540.60	0.00	0.00	0.00
7,900.00	0.00	0.00	7,854.79	-540.00	80.00	-540.60	0.00	0.00	0.00
8,000.00	0.00	0.00	7,954.79	-540.00	80.00	-540.60	0.00	0.00	0.00
8,100.00	0.00	0.00	8,054.79	-540.00	80.00	-540.60	0.00	0.00	0.00
8,200.00	0.00	0.00	8,154.79	-540.00	80.00	-540.60	0.00	0.00	0.00
8,300.00	0.00	0.00	8,254.79	-540.00	80.00	-540.60	0.00	0.00	0.00
8,400.00	0.00	0.00	8,354.79	-540.00	80.00	-540.60	0.00	0.00	0.00
8,500.00	0.00	0.00	8,454.79	-540.00	80.00	-540.60	0.00	0.00	0.00
8,600.00	0.00	0.00	8,554.79	-540.00	80.00	-540.60	0.00	0.00	0.00
8,700.00	0.00	0.00	8,654.79	-540.00	80.00	-540.60	0.00	0.00	0.00
8,800.00	0.00	0.00	8,754.79	-540.00	80.00	-540.60	0.00	0.00	0.00
8,900.00	0.00	0.00	8,854.79	-540.00	80.00	-540.60	0.00	0.00	0.00
8,968.21	0.00	0.00	8,923.00	-540.00	80.00	-540.60	0.00	0.00	0.00
8,968.30	0.00	4.05	8,923.09	-540.00	80.00	-540.60	0.00	0.00	0.00

Company:	Marathon Oil	Local Co-ordinate Reference:	Well AV Fee #17H
Project:	Lea County, NM	TVD Reference:	well @ 3545.50usft
Site:	Flowmaster 15 (11-12-16-17)	MD Reference:	well @ 3545.50usft
Well:	AV Fee #17H	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)
[Flowmaster15#17H]KOP									
9,000.00	3.18	4.05	8,954.77	-539.12	80.06	-539.72	10.03	10.03	0.00
9,050.00	8.18	4.05	9,004.51	-534.19	80.41	-534.79	10.00	10.00	0.00
9,100.00	13.18	4.05	9,053.63	-524.95	81.07	-525.56	10.00	10.00	0.00
9,150.00	18.18	4.05	9,101.75	-511.47	82.02	-512.09	10.00	10.00	0.00
9,200.00	23.18	4.05	9,148.52	-493.87	83.27	-494.49	10.00	10.00	0.00
9,250.00	28.18	4.05	9,193.56	-472.26	84.80	-472.90	10.00	10.00	0.00
9,300.00	33.18	4.05	9,236.55	-446.82	86.60	-447.47	10.00	10.00	0.00
9,350.00	38.18	4.05	9,277.15	-417.74	88.66	-418.41	10.00	10.00	0.00
9,400.00	43.18	4.05	9,315.06	-385.24	90.96	-385.93	10.00	10.00	0.00
9,450.00	48.18	4.05	9,349.98	-349.57	93.48	-350.28	10.00	10.00	0.00
9,500.00	53.18	4.05	9,381.66	-311.00	96.21	-311.73	10.00	10.00	0.00
9,550.00	58.18	4.05	9,409.84	-269.82	99.13	-270.58	10.00	10.00	0.00
9,600.00	63.18	4.05	9,434.32	-226.35	102.21	-227.13	10.00	10.00	0.00
9,650.00	68.18	4.05	9,454.90	-180.92	105.42	-181.72	10.00	10.00	0.00
9,700.00	73.18	4.05	9,471.44	-133.87	108.76	-134.70	10.00	10.00	0.00
9,750.00	78.18	4.05	9,483.81	-85.56	112.18	-86.42	10.00	10.00	0.00
9,800.00	83.18	4.05	9,491.90	-36.36	115.66	-37.24	10.00	10.00	0.00
9,850.00	88.18	4.05	9,495.67	13.36	119.18	12.45	10.00	10.00	0.00
9,868.21	90.00	4.05	9,495.96	31.53	120.47	30.60	10.00	10.00	0.00
9,900.00	90.00	3.10	9,495.96	63.25	122.45	62.31	3.00	0.00	-3.00
10,000.00	90.00	0.10	9,495.96	163.20	125.23	162.23	3.00	0.00	-3.00
10,017.91	90.00	359.56	9,495.96	181.11	125.18	180.14	3.00	0.00	-3.00
10,100.00	90.00	359.56	9,495.96	263.20	124.55	262.23	0.00	0.00	0.00
10,200.00	90.00	359.56	9,495.96	363.20	123.78	362.23	0.00	0.00	0.00
10,300.00	90.00	359.56	9,495.96	463.19	123.01	462.23	0.00	0.00	0.00
10,400.00	90.00	359.56	9,495.96	563.19	122.24	562.23	0.00	0.00	0.00
10,500.00	90.00	359.56	9,495.96	663.19	121.47	662.23	0.00	0.00	0.00
10,600.00	90.00	359.56	9,495.96	763.18	120.70	762.23	0.00	0.00	0.00
10,700.00	90.00	359.56	9,495.97	863.18	119.93	862.23	0.00	0.00	0.00
10,800.00	90.00	359.56	9,495.97	963.18	119.16	962.23	0.00	0.00	0.00
10,900.00	90.00	359.56	9,495.97	1,063.18	118.39	1,062.23	0.00	0.00	0.00
11,000.00	90.00	359.56	9,495.97	1,163.17	117.62	1,162.23	0.00	0.00	0.00
11,100.00	90.00	359.56	9,495.97	1,263.17	116.85	1,262.23	0.00	0.00	0.00
11,200.00	90.00	359.56	9,495.97	1,363.17	116.08	1,362.23	0.00	0.00	0.00
11,300.00	90.00	359.56	9,495.97	1,463.16	115.31	1,462.23	0.00	0.00	0.00
11,400.00	90.00	359.56	9,495.97	1,563.16	114.55	1,562.23	0.00	0.00	0.00
11,500.00	90.00	359.56	9,495.97	1,663.16	113.78	1,662.23	0.00	0.00	0.00
11,600.00	90.00	359.56	9,495.97	1,763.15	113.01	1,762.23	0.00	0.00	0.00
11,700.00	90.00	359.56	9,495.97	1,863.15	112.24	1,862.23	0.00	0.00	0.00
11,800.00	90.00	359.56	9,495.98	1,963.15	111.47	1,962.23	0.00	0.00	0.00
11,900.00	90.00	359.56	9,495.98	2,063.15	110.70	2,062.23	0.00	0.00	0.00
12,000.00	90.00	359.56	9,495.98	2,163.14	109.93	2,162.23	0.00	0.00	0.00

Company:	Marathon Oil	Local Co-ordinate Reference:	Well AV Fee #17H
Project:	Lea County, NM	TVD Reference:	well @ 3545.50usft
Site:	Flowmaster 15 (11-12-16-17)	MD Reference:	well @ 3545.50usft
Well:	AV Fee #17H	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)
12,100.00	90.00	359.56	9,495.98	2,263.14	109.16	2,262.23	0.00	0.00	0.00
12,200.00	90.00	359.56	9,495.98	2,363.14	108.39	2,362.23	0.00	0.00	0.00
12,300.00	90.00	359.56	9,495.98	2,463.13	107.62	2,462.23	0.00	0.00	0.00
12,400.00	90.00	359.56	9,495.98	2,563.13	106.85	2,562.23	0.00	0.00	0.00
12,500.00	90.00	359.56	9,495.98	2,663.13	106.08	2,662.23	0.00	0.00	0.00
12,600.00	90.00	359.56	9,495.98	2,763.12	105.31	2,762.23	0.00	0.00	0.00
12,700.00	90.00	359.56	9,495.98	2,863.12	104.54	2,862.23	0.00	0.00	0.00
12,800.00	90.00	359.56	9,495.98	2,963.12	103.77	2,962.23	0.00	0.00	0.00
12,900.00	90.00	359.56	9,495.99	3,063.12	103.00	3,062.23	0.00	0.00	0.00
13,000.00	90.00	359.56	9,495.99	3,163.11	102.24	3,162.23	0.00	0.00	0.00
13,100.00	90.00	359.56	9,495.99	3,263.11	101.47	3,262.23	0.00	0.00	0.00
13,200.00	90.00	359.56	9,495.99	3,363.11	100.70	3,362.23	0.00	0.00	0.00
13,300.00	90.00	359.56	9,495.99	3,463.10	99.93	3,462.23	0.00	0.00	0.00
13,400.00	90.00	359.56	9,495.99	3,563.10	99.16	3,562.23	0.00	0.00	0.00
13,500.00	90.00	359.56	9,495.99	3,663.10	98.39	3,662.23	0.00	0.00	0.00
13,600.00	90.00	359.56	9,495.99	3,763.10	97.62	3,762.23	0.00	0.00	0.00
13,700.00	90.00	359.56	9,495.99	3,863.09	96.85	3,862.23	0.00	0.00	0.00
13,800.00	90.00	359.56	9,495.99	3,963.09	96.08	3,962.23	0.00	0.00	0.00
13,900.00	90.00	359.56	9,496.00	4,063.09	95.31	4,062.23	0.00	0.00	0.00
14,000.00	90.00	359.56	9,496.00	4,163.08	94.54	4,162.23	0.00	0.00	0.00
14,100.00	90.00	359.56	9,496.00	4,263.08	93.77	4,262.23	0.00	0.00	0.00
14,200.00	90.00	359.56	9,496.00	4,363.08	93.00	4,362.23	0.00	0.00	0.00
14,300.00	90.00	359.56	9,496.00	4,463.07	92.23	4,462.23	0.00	0.00	0.00
14,400.00	90.00	359.56	9,496.00	4,563.07	91.46	4,562.23	0.00	0.00	0.00
14,430.38	90.00	359.56	9,496.00	4,593.45	91.23	4,592.61	0.00	0.00	0.00
[Flowmaster15#17H]LTP/BHL									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
[Flowmaster15#17H]FTF	0.00	0.00	0.00	-490.33	129.96	441,373.01	770,270.15	32.210431	-103.459493
- hit/miss target									
- Shape									
- plan misses target center by 507.26usft at 0.00usft MD (0.00 TVD, 0.00 N, 0.00 E)									
- Point									
[Flowmaster15#17H]KOI	0.00	0.00	8,923.00	-540.32	130.34	441,323.02	770,270.53	32.210294	-103.459493
- hit/miss target									
- Shape									
- plan misses target center by 50.34usft at 8968.21usft MD (8923.00 TVD, -540.00 N, 80.00 E)									
- Point									
[Flowmaster15#17H]LTF	0.00	0.00	9,496.00	4,593.45	91.23	446,456.79	770,231.42	32.224406	-103.459484
- hit/miss target									
- Shape									
- plan hits target center									
- Point									

Checked By: _____	Approved By: _____	Date: _____
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