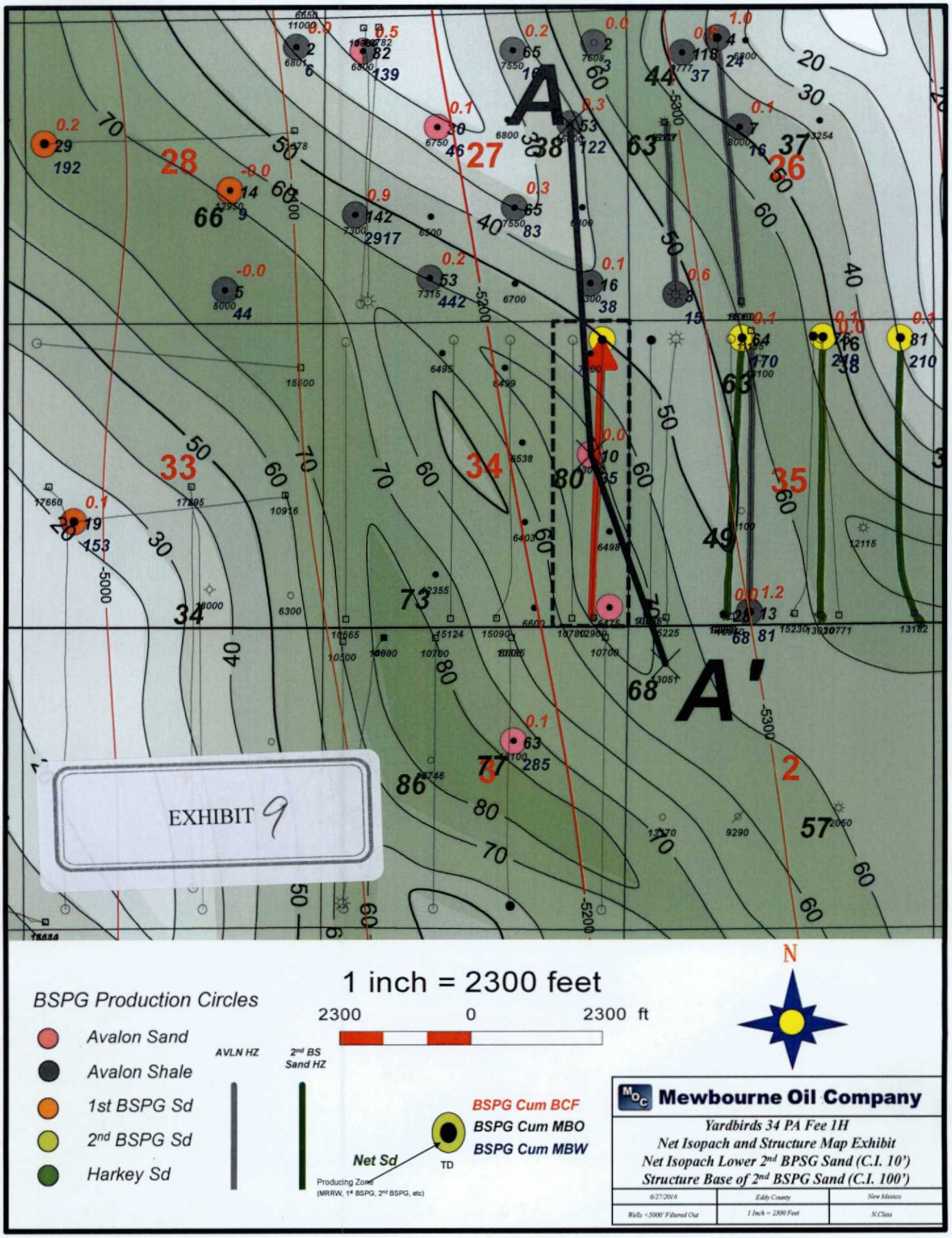

A
A'
EXHIBIT 9
1 inch = 2300 feet
2300 0 2300 ft
N
BSPG Production Circles
Avalon Sand
Avalon Shale
1st BSPG Sd
2nd BSPG Sd
Harkey Sd
AVLN HZ
2nd BS Sand HZ
BSPG Cum BCF
BSPG Cum MBO
BSPG Cum MBW
Net Sd
TD
Producing Zone
(MRRW, 1st BSPG, 2nd BSPG, etc)
Mewbourne Oil Company
Yardbirds 34 PA Fee 1H
Net Isopach and Structure Map Exhibit
Net Isopach Lower 2nd BPSG Sand (C.I. 10')
Structure Base of 2nd BSPG Sand (C.I. 100')
6/27/2016
Eddy County
New Mexico
Wells <5000' Filtered Out
1 Inch = 2300 Feet
N.Class

A

A'

300154289400

COG OPERATING LIMITED LIABILITY CORP
CHAKA STATE 3H
190 FSL 1980 FWL
TWP: 23 S - Range: 27 E - Sec. 26
Reference=KB
Datum=3170.00

26N

8113 ft

300152447600

EOG RESOURCES INCORPORATED
CHARTIER 25 1
2310 FNL/990 FEL
TWP: 23 S - Range: 27 E - Sec. 25
Reference=KB
Datum=3120.00

25H

4289 ft

300152406100

READ & STEVENS INCORPORATED
CASS DRAW 1
1980 FSL/990 FEL
TWP: 23 S - Range: 27 E - Sec. 24
Reference=KB
Datum=3106.00

24I

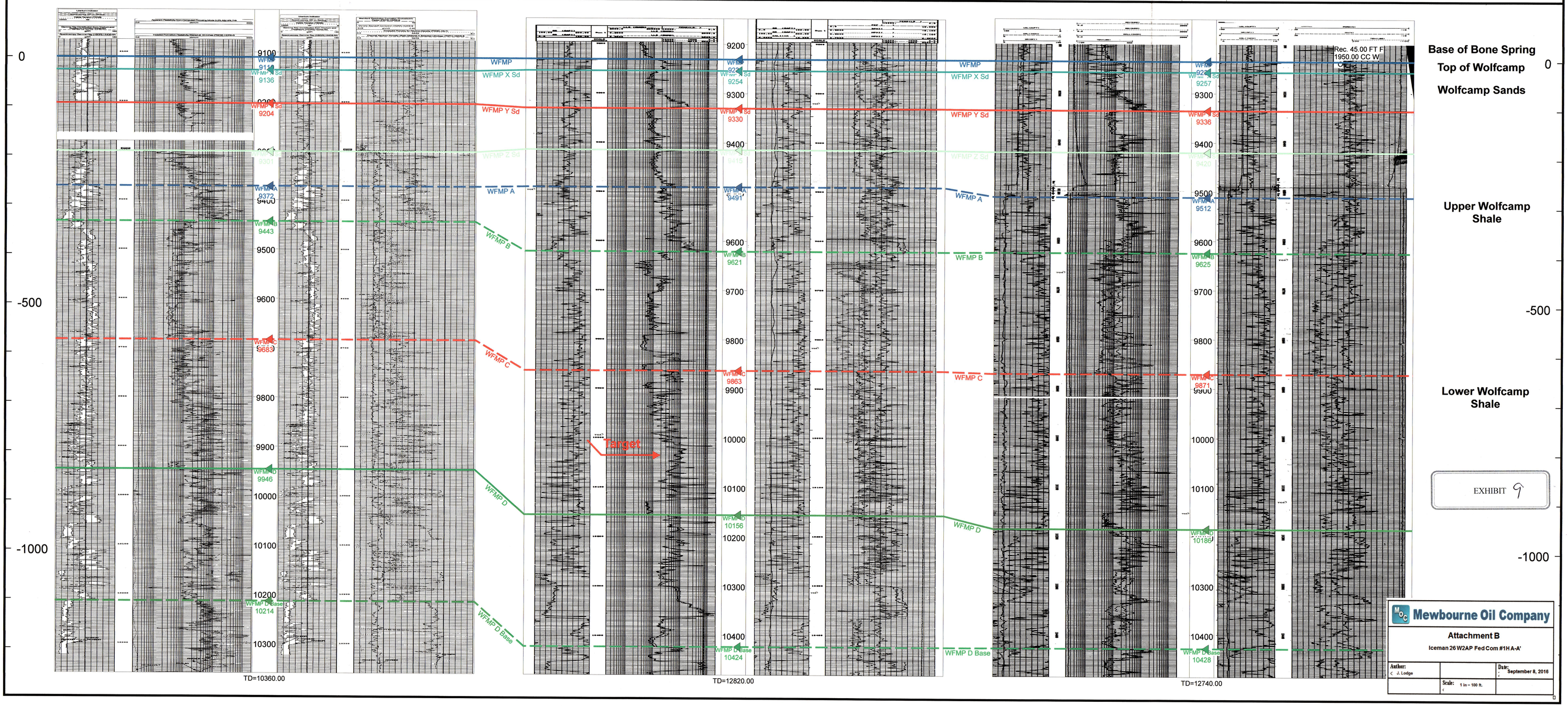


EXHIBIT 9

Mewbourne Oil Company

Attachment B

Iceman 26 W2AP Fed Com #1H A-A'

Author: J. Lodge		Date: September 8, 2016
	Scale: 1 in = 100 ft.	

Yardbirds 34 PA Fee 1H - Offset 2nd Bone Spring Sand Production Table									
Well Name	**Operator**	**API**	**Location**	**Vertical/Horizontal**	**BSPG Completion Date**	**Cum Oil (mbo)**	**Cum Gas (bcf)**	**Cum Water (mbw)**	**BSPG Zone**
Layla 35 PA FEE 1H	Mewbourne Oil	3001540967	35PA/23S/28E	Horizontal	2/15/2014	81.0	0.1	210.0	2nd BSPG Sd
Layla 35 OB Fee Com 1H	Mewbourne Oil	3001540968	35OB/23S/28E	Horizontal	5/21/2013	76.0	0.1	219.0	2nd BSPG Sd
Layla 35 B2NC Fee 2H	Mewbourne Oil	3001542353	35NC/23S/28E	Horizontal	9/4/2014	64.0	0.1	170.0	2nd BSPG Sd

EXHIBIT 1

MEWBOURNE OIL COMPANY

Mewbourne Oil Company .

Eddy County, New Mexico
Section 34-23S-28E Yardbird 34 PA Fee #1H
Yardbird 34 PA Fee #1H

Original Hole

Plan: Plan#2

Standard Planning Report

02 October, 2015

SL: 150 FSL & 610 FEL
LP: 681 FSL & 610 FEL
BHL: 330 FNL & 500 FEL

EXHIBIT 1L

TRYKER DIRECTIONAL

Database:	Stryker_EDM	**Local Co-ordinate Reference:**	Well Yardbird 34 PA Fee #1H
Company:	Mewbourne Oil Company .	**TVD Reference:**	3020 + 20 @ 3040.0usft (Patterson # 187)
Project:	Eddy County, New Mexico	**MD Reference:**	3020 + 20 @ 3040.0usft (Patterson # 187)
Site:	Section 34-23S-28E Yardbird 34 PA Fee #1H	**North Reference:**	Grid
Well:	Yardbird 34 PA Fee #1H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan#2		

Project Eddy County, New Mexico

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 Section 34-23S-28E Yardbird 34 PA Fee #1H

Site Position:		**Northing:**	456,421.70 usft	**Latitude:**	32° 15' 16.350 N
From:	Map	**Easting:**	581,995.80 usft	**Longitude:**	104° 4' 5.129 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.14 °

Well Yardbird 34 PA Fee #1H

Well Position	**+N/-S**	0.0 usft	**Northing:**	456,421.70 usft	**Latitude:**	32° 15' 16.350 N
	+E/-W	0.0 usft	**Easting:**	581,995.80 usft	**Longitude:**	104° 4' 5.129 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	20.0 usft	**Ground Level:**	3,020.0 usft

Wellbore Original Hole

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	9/21/2015	7.37	60.03	48,084

Design Plan#2

Audit Notes:

Version:		**Phase:**	PLAN	**Tie On Depth:**	7,400.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	1.75

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
7,400.0	2.48	18.18	7,398.1	40.1	-26.3	0.00	0.00	0.00	0.00	
7,799.7	2.48	18.18	7,797.5	56.5	-20.9	0.00	0.00	0.00	0.00	
8,527.6	89.73	1.96	8,255.0	530.9	0.8	12.00	11.99	-2.23	-16.24	
12,827.0	89.73	1.96	8,275.0	4,827.7	147.5	0.00	0.00	0.00	0.00	PBHL Yardbird 34 F

Database:	Stryker_EDM	**Local Co-ordinate Reference:**	Well Yardbird 34 PA Fee #1H
Company:	Mewbourne Oil Company .	**TVD Reference:**	3020 + 20 @ 3040.0usft (Patterson # 187)
Project:	Eddy County, New Mexico	**MD Reference:**	3020 + 20 @ 3040.0usft (Patterson # 187)
Site:	Section 34-23S-28E Yardbird 34 PA Fee #1H	**North Reference:**	Grid
Well:	Yardbird 34 PA Fee #1H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan#2		

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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.75	131.41	100.0	-0.4	0.5	-0.4	0.75	0.75	0.00
200.0	1.40	122.08	200.0	-1.5	2.0	-1.5	0.67	0.65	-9.33
300.0	3.72	171.69	299.9	-5.4	3.5	-5.3	3.01	2.32	49.61
400.0	2.34	61.84	399.8	-7.6	5.8	-7.4	5.02	-1.38	-109.85
500.0	2.41	209.56	499.8	-8.5	6.6	-8.3	4.56	0.07	147.72
600.0	1.08	189.63	599.7	-11.2	5.4	-11.1	1.44	-1.33	-19.93
700.0	0.63	72.95	699.7	-12.0	5.7	-11.8	1.47	-0.45	-116.68
800.0	1.63	79.43	799.7	-11.6	7.7	-11.4	1.01	1.00	6.48
900.0	2.34	9.91	899.6	-9.3	9.4	-9.0	2.34	0.71	-69.52
1,000.0	1.32	292.84	999.6	-6.9	8.7	-6.6	2.42	-1.02	-77.07
1,100.0	2.00	23.25	1,099.6	-4.8	8.3	-4.6	2.40	0.68	90.41
1,200.0	2.48	22.61	1,199.5	-1.2	9.8	-0.9	0.48	0.48	-0.64
1,300.0	1.20	308.60	1,299.5	1.4	9.9	1.7	2.44	-1.28	-74.01
1,400.0	1.67	219.83	1,399.4	1.0	8.1	1.2	2.04	0.47	-88.77
1,500.0	1.81	113.88	1,499.4	-0.8	8.6	-0.5	2.78	0.14	-105.95
1,600.0	0.39	141.78	1,599.4	-1.7	10.3	-1.4	1.48	-1.42	27.90
1,700.0	1.06	60.19	1,699.4	-1.5	11.3	-1.2	1.07	0.67	-81.59
1,800.0	1.72	19.36	1,799.4	0.4	12.6	0.8	1.15	0.66	-40.83
1,900.0	1.70	71.33	1,899.3	2.3	14.5	2.7	1.50	-0.02	51.97
2,000.0	1.29	25.40	1,999.3	3.8	16.4	4.3	1.23	-0.41	-45.93
2,100.0	1.77	167.51	2,099.3	3.3	17.2	3.8	2.90	0.48	142.11
2,200.0	2.43	203.15	2,199.2	-0.2	16.7	0.3	1.43	0.66	35.64
2,300.0	0.30	147.25	2,299.2	-2.4	16.0	-1.9	2.28	-2.13	-55.90
2,400.0	0.49	233.36	2,399.2	-2.8	15.8	-2.3	0.56	0.19	86.11
2,500.0	0.70	137.42	2,499.2	-3.5	15.9	-3.1	0.90	0.21	-95.94
2,600.0	0.62	329.49	2,599.2	-3.5	16.0	-3.0	1.31	-0.08	-167.93
2,700.0	1.00	253.82	2,699.2	-3.3	14.9	-2.8	1.04	0.38	-75.67
2,800.0	0.92	170.07	2,799.1	-4.3	14.2	-3.9	1.28	-0.08	-83.75
2,900.0	0.96	251.64	2,899.1	-5.4	13.5	-5.0	1.23	0.04	81.57
3,000.0	0.90	250.59	2,999.1	-5.9	12.0	-5.5	0.06	-0.06	-1.05
3,100.0	0.84	264.26	3,099.1	-6.2	10.5	-5.9	0.22	-0.06	13.67
3,200.0	0.73	177.26	3,199.1	-7.0	9.8	-6.7	1.08	-0.11	-87.00
3,300.0	1.06	248.07	3,299.1	-7.9	9.0	-7.7	1.07	0.33	70.81
3,400.0	1.01	277.27	3,399.1	-8.2	7.3	-7.9	0.52	-0.05	29.20
3,500.0	0.95	189.65	3,499.1	-8.9	6.3	-8.7	1.36	-0.06	-87.62
3,600.0	0.49	6.15	3,599.1	-9.3	6.2	-9.1	1.44	-0.46	176.50
3,700.0	0.29	349.32	3,699.1	-8.6	6.2	-8.4	0.23	-0.20	-16.83
3,800.0	0.49	285.24	3,799.1	-8.2	5.7	-8.1	0.45	0.20	-64.08
3,900.0	0.61	336.45	3,899.1	-7.6	5.1	-7.5	0.49	0.12	51.21
4,000.0	0.28	8.37	3,999.1	-6.9	4.9	-6.8	0.40	-0.33	31.92
4,100.0	1.05	265.51	4,099.0	-6.7	4.0	-6.6	1.15	0.77	-102.86
4,200.0	0.94	33.55	4,199.0	-6.1	3.6	-6.0	1.79	-0.11	128.04
4,300.0	0.91	275.04	4,299.0	-5.4	3.2	-5.3	1.59	-0.03	-118.51
4,400.0	0.88	349.25	4,399.0	-4.5	2.3	-4.5	1.08	-0.03	74.21
4,500.0	0.33	319.28	4,499.0	-3.6	2.0	-3.5	0.62	-0.55	-29.97
4,600.0	0.84	272.88	4,599.0	-3.3	1.0	-3.3	0.66	0.51	-46.40
4,700.0	0.91	10.58	4,699.0	-2.5	0.5	-2.5	1.32	0.07	97.70
4,800.0	1.12	259.91	4,799.0	-1.9	-0.4	-1.9	1.67	0.21	-110.67
4,900.0	1.26	290.02	4,899.0	-1.7	-2.4	-1.8	0.63	0.14	30.11
5,000.0	1.07	309.74	4,999.0	-0.7	-4.1	-0.8	0.44	-0.19	19.72
5,100.0	0.70	293.65	5,098.9	0.1	-5.4	0.0	0.44	-0.37	-16.09
5,200.0	0.42	25.09	5,198.9	0.7	-5.8	0.5	0.83	-0.28	91.44
5,300.0	0.14	14.04	5,298.9	1.2	-5.6	1.0	0.28	-0.28	-11.05

Database:	Stryker_EDM	**Local Co-ordinate Reference:**	Well Yardbird 34 PA Fee #1H
Company:	Mewbourne Oil Company .	**TVD Reference:**	3020 + 20 @ 3040.0usft (Patterson # 187)
Project:	Eddy County, New Mexico	**MD Reference:**	3020 + 20 @ 3040.0usft (Patterson # 187)
Site:	Section 34-23S-28E Yardbird 34 PA Fee #1H	**North Reference:**	Grid
Well:	Yardbird 34 PA Fee #1H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan#2		

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)
5,400.0	0.32	59.20	5,398.9	1.4	-5.3	1.3	0.24	0.18	45.16
5,500.0	0.58	46.90	5,498.9	1.9	-4.7	1.8	0.28	0.26	-12.30
5,600.0	0.92	280.22	5,598.9	2.4	-5.1	2.2	1.35	0.34	-126.68
5,700.0	0.93	280.19	5,698.9	2.7	-6.7	2.5	0.01	0.01	-0.03
5,800.0	0.84	288.38	5,798.9	3.1	-8.2	2.8	0.16	-0.09	8.19
5,900.0	1.08	295.79	5,898.9	3.7	-9.8	3.4	0.27	0.24	7.41
6,000.0	1.09	314.48	5,998.9	4.8	-11.3	4.4	0.35	0.01	18.69
6,100.0	1.29	315.70	6,098.9	6.2	-12.8	5.9	0.20	0.20	1.22
6,200.0	1.32	325.20	6,198.8	8.0	-14.2	7.6	0.22	0.03	9.50
6,300.0	1.26	271.47	6,298.8	9.0	-16.0	8.5	1.17	-0.06	-53.73
6,400.0	1.25	299.44	6,398.8	9.5	-18.0	9.0	0.61	-0.01	27.97
6,500.0	1.22	305.93	6,498.8	10.7	-19.8	10.1	0.14	-0.03	6.49
6,600.0	1.43	292.83	6,598.7	11.8	-21.8	11.1	0.37	0.21	-13.10
6,700.0	2.49	326.58	6,698.7	14.1	-24.2	13.4	1.52	1.06	33.75
6,800.0	2.16	321.02	6,798.6	17.4	-26.6	16.6	0.40	-0.33	-5.56
6,900.0	3.10	359.93	6,898.5	21.6	-27.8	20.7	1.96	0.94	38.91
7,000.0	2.24	358.28	6,998.4	26.2	-27.8	25.3	0.86	-0.86	-1.65
7,100.0	1.88	18.01	7,098.3	29.7	-27.4	28.9	0.79	-0.36	19.73
7,200.0	1.42	356.31	7,198.3	32.5	-26.9	31.7	0.77	-0.46	-21.70
7,300.0	2.45	0.89	7,298.2	35.9	-27.0	35.1	1.04	1.03	4.58
7,400.0	2.48	18.18	7,398.1	40.1	-26.3	39.3	0.74	0.03	17.29
7400' MD Gyro Tie-In									
7,500.0	2.48	18.18	7,498.0	44.2	-24.9	43.4	0.00	0.00	0.00
7,600.0	2.48	18.18	7,597.9	48.3	-23.6	47.6	0.00	0.00	0.00
7,700.0	2.48	18.18	7,697.9	52.4	-22.2	51.7	0.00	0.00	0.00
7,799.7	2.48	18.18	7,797.5	56.5	-20.9	55.9	0.00	0.00	0.00
7799.7' MD KOP									
7,825.0	5.46	9.23	7,822.7	58.2	-20.5	57.6	12.00	11.78	-35.39
7,850.0	8.45	6.63	7,847.5	61.2	-20.1	60.6	12.00	11.94	-10.39
7,875.0	11.44	5.38	7,872.1	65.5	-19.7	64.9	12.00	11.97	-4.98
7,900.0	14.43	4.65	7,896.5	71.1	-19.2	70.5	12.00	11.98	-2.94
7,925.0	17.43	4.16	7,920.5	77.9	-18.7	77.3	12.00	11.99	-1.94
7,950.0	20.43	3.81	7,944.2	86.0	-18.1	85.4	12.00	11.99	-1.39
7,975.0	23.43	3.55	7,967.4	95.3	-17.5	94.8	12.00	11.99	-1.05
8,000.0	26.43	3.35	7,990.0	105.9	-16.9	105.3	12.00	12.00	-0.82
8,025.0	29.42	3.18	8,012.1	117.5	-16.2	117.0	12.00	12.00	-0.66
8,050.0	32.42	3.04	8,033.6	130.4	-15.5	129.8	12.00	12.00	-0.55
8,075.0	35.42	2.93	8,054.3	144.3	-14.8	143.8	12.00	12.00	-0.47
8,100.0	38.42	2.83	8,074.3	159.3	-14.0	158.8	12.00	12.00	-0.40
8,125.0	41.42	2.74	8,093.5	175.3	-13.3	174.8	12.00	12.00	-0.35
8,150.0	44.42	2.66	8,111.8	192.3	-12.5	191.9	12.00	12.00	-0.31
8,175.0	47.42	2.59	8,129.2	210.3	-11.6	209.8	12.00	12.00	-0.28
8,200.0	50.42	2.53	8,145.6	229.1	-10.8	228.7	12.00	12.00	-0.26
8,225.0	53.42	2.47	8,161.0	248.7	-9.9	248.3	12.00	12.00	-0.23
8,250.0	56.42	2.41	8,175.4	269.2	-9.1	268.8	12.00	12.00	-0.22
8,275.0	59.42	2.36	8,188.6	290.3	-8.2	290.0	12.00	12.00	-0.20
8,300.0	62.42	2.31	8,200.8	312.2	-7.3	311.8	12.00	12.00	-0.19
8,325.0	65.42	2.27	8,211.8	334.6	-6.4	334.3	12.00	12.00	-0.18
8,350.0	68.42	2.23	8,221.6	357.6	-5.5	357.3	12.00	12.00	-0.17
8,375.0	71.42	2.19	8,230.2	381.0	-4.6	380.7	12.00	12.00	-0.16
8,400.0	74.42	2.15	8,237.5	404.9	-3.7	404.6	12.00	12.00	-0.16
8,425.0	77.42	2.11	8,243.6	429.2	-2.8	428.9	12.00	12.00	-0.15
8,450.0	80.42	2.07	8,248.4	453.7	-1.9	453.4	12.00	12.00	-0.15

Database:	Stryker_EDM	**Local Co-ordinate Reference:**	Well Yardbird 34 PA Fee #1H
Company:	Mewbourne Oil Company .	**TVD Reference:**	3020 + 20 @ 3040.0usft (Patterson # 187)
Project:	Eddy County, New Mexico	**MD Reference:**	3020 + 20 @ 3040.0usft (Patterson # 187)
Site:	Section 34-23S-28E Yardbird 34 PA Fee #1H	**North Reference:**	Grid
Well:	Yardbird 34 PA Fee #1H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan#2		

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)
8,474.8	83.39	2.03	8,251.9	478.2	-1.0	478.0	12.00	12.00	-0.15
LP Yardbird 34 PA Fee #1H									
8,475.0	83.42	2.03	8,251.9	478.4	-1.0	478.1	12.00	12.00	-0.15
8,500.0	86.42	2.00	8,254.1	503.3	-0.1	503.0	12.00	12.00	-0.15
8,525.0	89.42	1.96	8,255.0	528.2	0.7	528.0	12.00	12.00	-0.15
8,527.6	89.73	1.96	8,255.0	530.8	0.8	530.6	12.00	12.00	-0.15
8527.6' MD LP									
8,600.0	89.73	1.96	8,255.4	603.2	3.3	603.0	0.01	0.01	0.00
8,700.0	89.73	1.96	8,255.8	703.1	6.7	703.0	0.00	0.00	0.00
8,800.0	89.73	1.96	8,256.3	803.1	10.1	803.0	0.00	0.00	0.00
8,900.0	89.73	1.96	8,256.8	903.0	13.5	903.0	0.00	0.00	0.00
9,000.0	89.73	1.96	8,257.2	1,003.0	16.9	1,003.0	0.00	0.00	0.00
9,100.0	89.73	1.96	8,257.7	1,102.9	20.4	1,103.0	0.00	0.00	0.00
9,200.0	89.73	1.96	8,258.2	1,202.8	23.8	1,203.0	0.00	0.00	0.00
9,300.0	89.73	1.96	8,258.6	1,302.8	27.2	1,303.0	0.00	0.00	0.00
9,400.0	89.73	1.96	8,259.1	1,402.7	30.6	1,403.0	0.00	0.00	0.00
9,500.0	89.73	1.96	8,259.6	1,502.7	34.0	1,503.0	0.00	0.00	0.00
9,600.0	89.73	1.96	8,260.0	1,602.6	37.4	1,603.0	0.00	0.00	0.00
9,700.0	89.73	1.96	8,260.5	1,702.6	40.8	1,703.0	0.00	0.00	0.00
9,800.0	89.73	1.96	8,261.0	1,802.5	44.2	1,803.0	0.00	0.00	0.00
9,900.0	89.73	1.96	8,261.4	1,902.4	47.6	1,903.0	0.00	0.00	0.00
10,000.0	89.73	1.96	8,261.9	2,002.4	51.1	2,003.0	0.00	0.00	0.00
10,100.0	89.73	1.96	8,262.3	2,102.3	54.5	2,103.0	0.00	0.00	0.00
10,200.0	89.73	1.96	8,262.8	2,202.3	57.9	2,203.0	0.00	0.00	0.00
10,300.0	89.73	1.96	8,263.3	2,302.2	61.3	2,303.0	0.00	0.00	0.00
10,400.0	89.73	1.96	8,263.7	2,402.1	64.7	2,403.0	0.00	0.00	0.00
10,500.0	89.73	1.96	8,264.2	2,502.1	68.1	2,503.0	0.00	0.00	0.00
10,600.0	89.73	1.96	8,264.7	2,602.0	71.5	2,603.0	0.00	0.00	0.00
10,700.0	89.73	1.96	8,265.1	2,702.0	74.9	2,703.0	0.00	0.00	0.00
10,800.0	89.73	1.96	8,265.6	2,801.9	78.4	2,803.0	0.00	0.00	0.00
10,900.0	89.73	1.96	8,266.1	2,901.8	81.8	2,903.0	0.00	0.00	0.00
11,000.0	89.73	1.96	8,266.5	3,001.8	85.2	3,003.0	0.00	0.00	0.00
11,100.0	89.73	1.96	8,267.0	3,101.7	88.6	3,103.0	0.00	0.00	0.00
11,200.0	89.73	1.96	8,267.4	3,201.7	92.0	3,203.0	0.00	0.00	0.00
11,300.0	89.73	1.96	8,267.9	3,301.6	95.4	3,303.0	0.00	0.00	0.00
11,400.0	89.73	1.96	8,268.4	3,401.5	98.8	3,403.0	0.00	0.00	0.00
11,500.0	89.73	1.96	8,268.8	3,501.5	102.2	3,503.0	0.00	0.00	0.00
11,600.0	89.73	1.96	8,269.3	3,601.4	105.6	3,603.0	0.00	0.00	0.00
11,700.0	89.73	1.96	8,269.8	3,701.4	109.1	3,703.0	0.00	0.00	0.00
11,800.0	89.73	1.96	8,270.2	3,801.3	112.5	3,803.0	0.00	0.00	0.00
11,900.0	89.73	1.96	8,270.7	3,901.2	115.9	3,903.0	0.00	0.00	0.00
12,000.0	89.73	1.96	8,271.2	4,001.2	119.3	4,003.0	0.00	0.00	0.00
12,100.0	89.73	1.96	8,271.6	4,101.1	122.7	4,103.0	0.00	0.00	0.00
12,200.0	89.73	1.96	8,272.1	4,201.1	126.1	4,203.0	0.00	0.00	0.00
12,300.0	89.73	1.96	8,272.6	4,301.0	129.5	4,303.0	0.00	0.00	0.00
12,400.0	89.73	1.96	8,273.0	4,401.0	132.9	4,403.0	0.00	0.00	0.00
12,500.0	89.73	1.96	8,273.5	4,500.9	136.4	4,503.0	0.00	0.00	0.00
12,600.0	89.73	1.96	8,273.9	4,600.8	139.8	4,603.0	0.00	0.00	0.00
12,700.0	89.73	1.96	8,274.4	4,700.8	143.2	4,703.0	0.00	0.00	0.00
12,800.0	89.73	1.96	8,274.9	4,800.7	146.6	4,803.0	0.00	0.00	0.00
12,827.0	89.73	1.96	8,275.0	4,827.7	147.5	4,830.0	0.00	0.00	0.00
12827' MD PBHL - PBHL Yardbird 34 PA Fee #1H									

Database:	Stryker_EDM	**Local Co-ordinate Reference:**	Well Yardbird 34 PA Fee #1H
Company:	Mewbourne Oil Company .	**TVD Reference:**	3020 + 20 @ 3040.0usft (Patterson # 187)
Project:	Eddy County, New Mexico	**MD Reference:**	3020 + 20 @ 3040.0usft (Patterson # 187)
Site:	Section 34-23S-28E Yardbird 34 PA Fee #1H	**North Reference:**	Grid
Well:	Yardbird 34 PA Fee #1H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan#2		

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
LP Yardbird 34 PA Fe	0.00	0.00	8,255.0	477.1	16.6	456,898.84	582,012.37	32° 15' 21.072 N	104° 4' 4.922 W
- plan misses target center by 17.9usft at 8474.8usft MD (8251.9 TVD, 478.2 N, -1.0 E)									
- Point									
PBHL Yardbird 34 PA	0.00	0.00	8,275.0	4,827.7	147.5	461,249.41	582,143.31	32° 16' 4.123 N	104° 4' 3.272 W
- plan hits target center									
- Point									

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
7,400.0	7,398.1	40.1	-26.3	7400' MD Gyro Tie-In
7,799.7	7,797.5	56.5	-20.9	7799.7' MD KOP
8,527.6	8,255.0	530.8	0.8	8527.6' MD LP
12,827.0	8,275.0	4,827.7	147.5	12827' MD PBHL

MEWBOURNE OIL COMPANY

COMPANY: Mewbourne Oil Company .
WELL: Yardbird 34 PA Fee #1H
COUNTY: Eddy County, New Mexico
DATUM: NAD 1927 (NADCON CONUS)
RIG: Patterson Patterson # 187
GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 7.23°

STRYKER

OFFICE: 936.582.7296

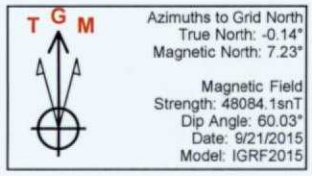
GEODETIC ZONE: New Mexico East 3001
3020 + 20 @ 3040.0usft (Patterson # 187)
GROUND ELEVATION: 3020.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	456421.70	581995.80	32° 15' 16.350 N	104° 4' 5.129 W	

PLAN SECTIONS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	7400.0	2.48	18.18	7398.1	40.1	-26.3	0.00	0.00	39.3	
2	7799.7	2.48	18.18	7797.5	56.5	-20.9	0.00	0.00	55.9	
3	8527.6	89.73	1.96	8255.0	530.9	0.8	12.00	-16.24	530.7	
4	12827.0	89.73	1.96	8275.0	4827.7	147.5	0.00	0.00	4830.0	PBHL Yardbird 34 PA Fee #1H

SHL 150' FSL; 610' FEL
Section 34-23S-28E
PBHL 330' FNL; 500' FEL
Section 34-23S-28E



Azimuths to Grid North
True North: -0.14°
Magnetic North: 7.23°

Magnetic Field
Strength: 48084.1snT
Dip Angle: 60.03°
Date: 9/21/2015
Model: IGRF2015