

STRYKER

DIRECTIONAL

January 11, 2019

NM OIL CONSERVATION
ARTESIA DISTRICT

MAR 06 2019

New Mexico Energy, Minerals and Natural Resources Department
Attn: Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

RECEIVED

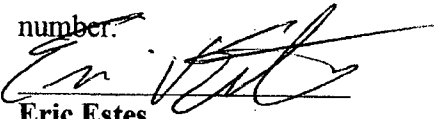
Attn: Jackie Lathan

Re: Mewbourne Oil Company
Fleetwood 36 25 W0ML State Com #001H
Purple Sage; Wolfcamp
Eddy County, New Mexico
API# 30-015-44264

Enclosed please find the original and one (1) copy of the survey performed on the reference well by STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C. Other information required by your office is as follows:

<u>Name & Title</u>	<u>Drainhole No.</u>	<u>Survey Depths</u>	<u>Dates Performed</u>	<u>Type Survey</u>
James Pruett	Original Hole	570ft. to 17,189ft.	08-22-18 to 10-07-18	MWD Survey

A certified plat on which the bottom-hole location is oriented to both surface location and to the lease lines (or unit lines in case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.


Eric Estes

Enclosures

CC:

Mewbourne Oil Company
Attn: Frosty Lathan
P.O. Box 5720
Hobbs, NM 88241

Mewbourne Oil Company
Attn: Robin Terrell
P.O. Box 5720
Hobbs, NM 88241

NMEMaNRD\Mewbourne Oil Company\Fleetwood 36 25 W0ML State Com #1H\M181115

STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.

P.O. Box 1250

Montgomery, TX 77356

Office (936) 582-7296 * Fax (936)-588-4163



January 11, 2019

Survey Certification Report

STATE OF TEXAS

COUNTY OF Montgomery

I, Eric Estes, certify that I am employed by STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C., and that I did on the day(s) of August 22, 2018, through October 7, 2018 conduct or supervise the taking of a SEDS Original Hole MWD Survey from a depth of 570feet to a depth of 17,189feet; that I am authorized and qualified to make this report; that this survey was conducted at the request of Mewbourne Oil Company, for the Fleetwood 36 25 W0ML State Com #1H ,well API # 30-015-44264 in Eddy County, New Mexico; and that I have reviewed this report and find that it conforms to the principles as set forth by STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.

A handwritten signature in black ink, appearing to read "Eric Estes", written over a horizontal line.

Eric Estes

STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.

STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.

P.O. Box 1250

Montgomery, TX 77356

Office (936) 582-7296 * Fax (936)-588-4163



Wells Operator Data

OCD Permitting

Home > Wells > Well Details

30-015-44264 FLEETWOOD 36 25 W0ML STATE COM #001H [318047]**General Well Information**

Operator: [14744] MEWBOURNE OIL CO
Status: New Direction: Horizontal
Well Type: Gas Multi-Lateral: No
Work Type: New Mineral Owner: State
Surface Owner: State
Surface Location: M-36-24S-28E 185 FSL 800 FWL
Lat/Long: 32.1689931, -104.0467851 NAD83
GL Elevation: 2945
KB Elevation: Sing/Mult Compl: Single
DF Elevation: Potash Waiver: False

Proposed Formation and/or Notes

WOLFCAMP

Depths

Proposed: 16975 Total Vertical Depth: 0
Measured Vertical Depth: 0 Plugback Measured: 0

Formation Tops

Formation	Top	Producing	Method Obtained
-----------	-----	-----------	-----------------

Event Dates

Initial APD Approval: 06/09/2017
Most Recent APD Approval: 06/12/2017 Current APD Expiration: 06/12/2019
APD Cancellation:
APD Extension Approval:
Spud: Gas Capture Plan Received: 05/04/2018
Approved Temporary TA Expiration:
Abandonment:
Shut In:
Plug and Abandoned Intent PNR Expiration:
Received: Last MIT/BHT:
Well Plugged:
Site Release:
Last Inspection: 08/18/2017

History

Effective Date	Property	Well Number	Operator	C-101 Work Type	Well Type	Well Status	Apd Cancelled	Plug Date
06/12/2017	[318047] FLEETWOOD 36 25 W0ML STATE COM	#001H	[14744] MEWBOURNE OIL CO	New	Gas	New		

Comments**Operator****General Contact Information**

Company: [14744] MEWBOURNE OIL CO Main Phone: 575-393-5605
Address: P.O. Box 5270 Main Fax: 575-393-7259
Hobbs, NM 88241
Country: U.S.A.

Quick Links

- [General Well Information](#)
- [History](#)
- [Comments](#)
- [Operator](#)
- [Pls](#)
- [Casing](#)
- [Well Completions](#)
- [Financial Assurance](#)
- [Compliance](#)
- [Complaints, Incidents and Spills](#)
- [Orders](#)
- [Production](#)
- [Transporters](#)
- [Points of Disposition](#)

Associated Images

- [Well Files](#)
- [Well Logs](#)
- [Administrative Orders](#)

New Searches

- [New Well Search](#)

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fleetwood 36-25 W0ML St Com #1H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	2945 + 27 @ 2972.0usft (Patterson 562)
Site:	Section 36/25-24S-28E Fleetwood 36/25 W0ML St	MD Reference:	2945 + 27 @ 2972.0usft (Patterson 562)
Well:	Fleetwood 36-25 W0ML St Com #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

Project:	Eddy County, N.M. Nad (83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site:	Section 36/25-24S-28E Fleetwood 36/25 W0ML St Com
--------------	---

Site Position:		Northing:	424,605.10 usft	Latitude:	32° 10' 1.175 N
From:	Map	Easting:	630,002.80 usft	Longitude:	104° 2' 48.427 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.15 °

Well:	Fleetwood 36-25 W0ML St Com #1H					
Well Position	+N-S	0.0 usft	Northing:	424,605.10 usft	Latitude:	32° 10' 1.175 N
	+E-W	0.0 usft	Easting:	630,002.80 usft	Longitude:	104° 2' 48.427 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	27.0 usft	Ground Level:	2,945.0 usft

Wellbore:	Original Hole
------------------	---------------

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	7/30/2018	7.05	59.92	47,742.35385804

Design:	Original Hole
----------------	---------------

Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD)	+N-S	+E-W	Direction
	(usft)	(usft)	(usft)	(°)
	0.0	0.0	0.0	211.12

Survey Program		Date: 10/8/2018		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
570.0	17,190.0	MWD Survey #1 (Original Hole)	MWD	MWD v3:standard declination

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fleetwood 36-25 W0ML St Com #1H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	2945 + 27 @ 2972.0usft (Patterson 562)
Site:	Section 36/25-24S-28E Fleetwood 36/25 W0ML S	MD Reference:	2945 + 27 @ 2972.0usft (Patterson 562)
Well:	Fleetwood 36-25 W0ML St Com #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

Survey									
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	
404.0	0.98	172.50	404.0	2,568.0	-1.6	-2.2	2.8	233.75	
404.0' MD Phoenix Gyro									
570.0	0.90	188.70	570.0	2,402.0	-4.3	-2.3	4.9	207.49	
753.0	0.40	189.30	752.9	2,219.1	-6.4	-2.6	6.9	201.98	
945.0	0.60	199.60	944.9	2,027.1	-8.0	-3.0	8.6	200.72	
1,136.0	0.40	221.40	1,135.9	1,836.1	-9.4	-3.8	10.2	201.93	
1,326.0	0.60	218.60	1,325.9	1,646.1	-10.7	-4.9	11.8	204.40	
1,517.0	0.70	267.60	1,516.9	1,455.1	-11.6	-6.7	13.3	209.94	
1,708.0	0.60	166.90	1,707.9	1,264.1	-12.6	-7.6	14.7	211.12	
1,898.0	1.00	133.10	1,897.9	1,074.1	-14.7	-6.2	15.9	202.75	
2,089.0	1.90	113.60	2,088.8	883.2	-17.1	-2.0	17.2	186.80	
2,280.0	1.60	108.20	2,279.7	692.3	-19.2	3.4	19.5	169.96	
2,470.0	1.10	108.20	2,469.7	502.3	-20.6	7.6	22.0	159.61	
2,565.0	1.10	100.20	2,564.7	407.3	-21.0	9.4	23.0	155.89	
2,694.0	1.10	95.40	2,693.6	278.4	-21.4	11.9	24.4	150.96	
2,885.0	2.70	105.30	2,884.5	87.5	-22.7	18.0	29.0	141.57	
3,075.0	3.40	113.50	3,074.3	-102.3	-26.2	27.5	38.0	133.55	
3,266.0	3.70	97.30	3,264.9	-292.9	-29.2	38.8	48.6	126.94	
3,457.0	4.00	89.80	3,455.5	-483.5	-30.0	51.6	59.7	120.14	
3,647.0	3.40	93.00	3,645.1	-673.1	-30.2	63.8	70.6	115.33	
3,837.0	5.50	106.90	3,834.5	-862.5	-33.2	78.2	84.9	112.99	
4,026.0	5.00	105.10	4,022.7	-1,050.7	-37.9	94.8	102.1	111.81	
4,217.0	5.20	108.70	4,212.9	-1,240.9	-42.9	111.0	119.0	111.12	
4,407.0	4.20	112.50	4,402.3	-1,430.3	-48.3	125.6	134.6	111.04	
4,596.0	4.30	110.30	4,590.8	-1,618.8	-53.4	138.7	148.6	111.07	
4,788.0	4.00	111.80	4,782.3	-1,810.3	-58.4	151.6	162.5	111.06	
4,978.0	4.00	112.10	4,971.8	-1,999.8	-63.4	163.9	175.7	111.13	

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fleetwood 36-25 W0ML St Com #1H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	2945 + 27 @ 2972.0usft (Patterson 562)
Site:	Section 36/25-24S-28E Fleetwood 36/25 W0ML St	MD Reference:	2945 + 27 @ 2972.0usft (Patterson 562)
Well:	Fleetwood 36-25 W0ML St Com #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

Survey									
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	
5,168.0	3.40	108.90	5,161.4	-2,189.4	-67.7	175.4	188.0	111.10	
5,358.0	4.70	113.40	5,350.9	-2,378.9	-72.6	187.9	201.4	111.13	
5,548.0	4.00	111.00	5,540.4	-2,568.4	-78.1	201.2	215.8	111.20	
5,738.0	3.80	108.40	5,730.0	-2,758.0	-82.4	213.4	228.7	111.12	
5,926.0	4.00	101.60	5,917.5	-2,945.5	-85.7	225.7	241.4	110.79	
6,115.0	5.10	115.50	6,105.9	-3,133.9	-90.6	239.7	256.3	110.71	
6,304.0	4.70	116.00	6,294.2	-3,322.2	-97.7	254.3	272.4	111.01	
6,494.0	4.90	118.80	6,483.6	-3,511.6	-105.0	268.4	288.2	111.36	
6,684.0	4.00	115.80	6,673.0	-3,701.0	-111.8	281.5	302.8	111.66	
6,873.0	4.70	101.10	6,861.5	-3,889.5	-116.1	295.0	317.0	111.49	
7,064.0	3.50	92.40	7,052.0	-4,080.0	-117.9	308.5	330.3	110.91	
7,254.0	7.30	97.20	7,241.1	-4,269.1	-119.6	326.3	347.5	110.14	
7,444.0	6.10	114.60	7,429.8	-4,457.8	-125.4	347.4	369.4	109.84	
7,635.0	4.30	106.30	7,620.0	-4,648.0	-131.6	363.5	386.6	109.90	
7,827.0	5.00	117.80	7,811.4	-4,839.4	-137.5	377.8	402.1	110.00	
8,017.0	3.10	102.30	8,000.9	-5,028.9	-142.5	390.2	415.4	110.06	
8,207.0	4.10	120.50	8,190.5	-5,218.5	-147.0	401.1	427.2	110.13	
8,398.0	3.30	124.10	8,381.1	-5,409.1	-153.6	411.5	439.2	110.46	
8,588.0	2.00	118.90	8,570.9	-5,598.9	-158.2	418.9	447.8	110.69	
8,779.0	2.90	116.50	8,761.8	-5,789.8	-162.0	426.2	455.9	110.81	
8,969.0	3.20	111.10	8,951.5	-5,979.5	-166.1	435.4	466.0	110.87	
9,158.2	2.70	114.28	9,140.4	-6,168.4	-169.8	444.4	475.7	110.91	
New B.B. Fleetwood 36-25 W0LM St Com 1H									
9,159.0	2.70	114.30	9,141.2	-6,169.2	-169.8	444.5	475.8	110.91	
9,160.7	2.67	114.27	9,142.9	-6,170.9	-169.8	444.5	475.9	110.91	
B.B. Fleetwood 36-25 W0LM St Com 1H									
9,203.0	1.90	113.10	9,185.2	-6,213.2	-170.5	446.1	477.5	110.92	

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fleetwood 36-25 W0ML St Com #1H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	2945 + 27 @ 2972.0usft (Patterson 562)
Site:	Section 36/25-24S-28E Fleetwood 36/25 W0ML St	MD Reference:	2945 + 27 @ 2972.0usft (Patterson 562)
Well:	Fleetwood 36-25 W0ML St Com #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

Survey									
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	
9,280.0	2.80	21.00	9,262.2	-6,290.2	-169.3	447.9	478.8	110.70	
9,311.0	7.00	6.60	9,293.0	-6,321.0	-166.7	448.4	478.4	110.39	
9,343.0	10.60	5.50	9,324.7	-6,352.7	-161.8	448.9	477.2	109.82	
9,374.0	14.10	5.60	9,354.9	-6,382.9	-155.2	449.6	475.6	109.05	
9,406.0	18.70	3.80	9,385.6	-6,413.6	-146.2	450.3	473.4	107.99	
9,438.0	23.10	3.30	9,415.5	-6,443.5	-134.8	451.0	470.7	106.64	
9,470.0	25.50	3.80	9,444.7	-6,472.7	-121.7	451.8	467.9	105.07	
9,501.0	28.80	0.60	9,472.3	-6,500.3	-107.5	452.3	464.9	103.37	
9,533.0	33.10	0.00	9,499.7	-6,527.7	-91.1	452.4	461.5	101.38	
9,565.0	37.20	359.80	9,525.8	-6,553.8	-72.7	452.4	458.2	99.13	
9,596.0	41.80	1.30	9,549.8	-6,577.8	-53.0	452.6	455.7	96.67	
9,628.0	46.80	2.20	9,572.7	-6,600.7	-30.6	453.3	454.3	93.87	
9,660.0	51.30	3.50	9,593.6	-6,621.6	-6.5	454.5	454.5	90.82	
9,691.0	56.00	4.90	9,612.0	-6,640.0	18.4	456.3	456.7	87.69	
9,723.0	60.70	5.20	9,628.8	-6,656.8	45.5	458.7	461.0	84.33	
9,755.0	63.10	6.50	9,643.9	-6,671.9	73.6	461.6	467.4	80.94	
9,786.0	66.80	6.10	9,657.0	-6,685.0	101.5	464.7	475.6	77.68	
9,818.0	70.10	4.60	9,668.7	-6,696.7	131.1	467.4	485.5	74.33	
9,850.0	73.70	3.50	9,678.7	-6,706.7	161.5	469.6	496.6	71.02	
9,882.0	76.30	3.50	9,687.0	-6,715.0	192.3	471.5	509.2	67.81	
9,910.0	78.20	1.00	9,693.1	-6,721.1	219.6	472.5	521.1	65.07	
9,977.0	85.40	358.80	9,702.7	-6,730.7	285.9	472.4	552.2	58.82	
10,073.0	92.70	357.80	9,704.3	-6,732.3	381.8	469.6	605.2	50.89	
10,164.1	87.81	357.80	9,703.9	-6,731.9	472.8	466.1	663.9	44.59	
LP Fleetwood 36 25 W0LM St Com 1H									
10,168.0	87.60	357.80	9,704.0	-6,732.0	476.7	465.9	666.5	44.35	
10,264.0	91.60	359.10	9,704.7	-6,732.7	572.6	463.3	736.6	38.98	

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fleetwood 36-25 W0ML St Com #1H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	2945 + 27 @ 2972.0usft (Patterson 562)
Site:	Section 36/25-24S-28E Fleetwood 36/25 W0ML S	MD Reference:	2945 + 27 @ 2972.0usft (Patterson 562)
Well:	Fleetwood 36-25 W0ML St Com #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

Survey								
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	EW (usft)	Closure Distance (usft)	Closure Azimuth (°)
10,359.0	90.70	359.70	9,702.8	-6,730.8	667.6	462.3	812.0	34.70
10,454.0	91.60	0.30	9,700.9	-6,728.9	762.5	462.3	891.8	31.23
10,549.0	91.80	0.70	9,698.1	-6,726.1	857.5	463.1	974.6	28.37
10,644.0	87.00	358.60	9,699.1	-6,727.1	952.5	462.6	1,058.8	25.90
10,739.0	92.70	359.20	9,699.3	-6,727.3	1,047.4	460.7	1,144.3	23.74
10,834.0	91.00	359.00	9,696.2	-6,724.2	1,142.3	459.3	1,231.2	21.90
10,929.0	91.00	358.20	9,694.6	-6,722.6	1,237.3	456.9	1,319.0	20.27
11,024.0	89.50	358.10	9,694.2	-6,722.2	1,332.2	453.9	1,407.4	18.81
11,120.0	93.20	357.90	9,691.9	-6,719.9	1,428.1	450.5	1,497.5	17.51
11,214.0	90.00	359.30	9,689.3	-6,717.3	1,522.1	448.2	1,586.7	16.41
11,309.0	89.00	0.60	9,690.1	-6,718.1	1,617.1	448.1	1,678.0	15.49
11,404.0	91.00	0.70	9,690.1	-6,718.1	1,712.0	449.2	1,770.0	14.70
11,516.0	91.70	1.30	9,687.5	-6,715.5	1,824.0	451.2	1,879.0	13.89
11,610.0	87.60	1.30	9,688.0	-6,716.0	1,917.9	453.3	1,970.8	13.30
11,706.0	88.00	1.80	9,691.7	-6,719.7	2,013.8	455.9	2,064.8	12.76
11,801.0	88.20	3.00	9,694.9	-6,722.9	2,108.7	459.9	2,158.3	12.30
11,896.0	91.60	6.80	9,695.0	-6,723.0	2,203.3	468.0	2,252.5	11.99
11,990.0	89.10	5.50	9,694.5	-6,722.5	2,296.8	478.1	2,346.0	11.76
12,085.0	88.50	5.40	9,696.5	-6,724.5	2,391.3	487.1	2,440.4	11.51
12,181.0	90.40	9.40	9,697.4	-6,725.4	2,486.5	499.4	2,536.2	11.36
12,276.0	88.70	5.80	9,698.1	-6,726.1	2,580.6	512.0	2,630.9	11.22
12,370.0	87.30	2.90	9,701.4	-6,729.4	2,674.3	519.1	2,724.2	10.99
12,465.0	87.00	359.50	9,706.1	-6,734.1	2,769.1	521.1	2,817.8	10.66
12,561.0	86.60	359.10	9,711.5	-6,739.5	2,865.0	519.9	2,911.8	10.29
12,656.0	91.60	357.80	9,713.0	-6,741.0	2,959.9	517.4	3,004.8	9.91
12,751.0	89.40	358.60	9,712.2	-6,740.2	3,054.9	514.4	3,097.9	9.56
12,847.0	89.50	355.60	9,713.1	-6,741.1	3,150.7	509.5	3,191.6	9.19

Company:	Mewbourne Oil Company	Local/Co-ordinate Reference:	Well Fleetwood 36-25 W0ML St Com #1H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	2945 + 27 @ 2972.0usft (Patterson 562)
Site:	Section 36/25-24S-28E Fleetwood 36/25 W0ML S	MD Reference:	2945 + 27 @ 2972.0usft (Patterson 562)
Well:	Fleetwood 36-25 W0ML St Com #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

Survey									
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	
12,942.0	90.70	354.90	9,712.9	-6,740.9	3,245.4	501.7	3,283.9	8.79	
13,037.0	98.30	358.60	9,705.5	-6,733.5	3,339.9	496.3	3,376.5	8.45	
13,132.0	97.80	358.40	9,692.2	-6,720.2	3,433.9	493.8	3,469.2	8.18	
13,226.0	92.40	357.90	9,683.8	-6,711.8	3,527.4	490.8	3,561.4	7.92	
13,321.0	88.70	357.90	9,682.9	-6,710.9	3,622.3	487.3	3,655.0	7.66	
13,417.0	92.50	0.30	9,681.9	-6,709.9	3,718.3	485.8	3,749.9	7.44	
13,512.0	88.00	359.30	9,681.5	-6,709.5	3,813.3	485.5	3,844.1	7.26	
13,574.0	91.00	0.40	9,682.0	-6,710.0	3,875.3	485.3	3,905.5	7.14	
13,606.0	89.60	0.00	9,681.9	-6,709.9	3,907.3	485.4	3,937.3	7.08	
13,638.0	88.70	0.00	9,682.3	-6,710.3	3,939.3	485.4	3,969.1	7.03	
13,670.0	87.50	359.00	9,683.4	-6,711.4	3,971.2	485.2	4,000.8	6.97	
13,701.0	87.30	358.80	9,684.8	-6,712.8	4,002.2	484.6	4,031.4	6.90	
13,733.0	86.70	358.60	9,686.5	-6,714.5	4,034.1	483.8	4,063.1	6.84	
13,765.0	88.60	359.30	9,687.8	-6,715.8	4,066.1	483.3	4,094.7	6.78	
13,797.0	89.30	357.90	9,688.4	-6,716.4	4,098.1	482.5	4,126.4	6.71	
13,828.0	89.90	357.10	9,688.6	-6,716.6	4,129.1	481.1	4,157.0	6.65	
13,860.0	91.30	357.20	9,688.2	-6,716.2	4,161.0	479.5	4,188.6	6.57	
13,892.0	91.50	357.10	9,687.5	-6,715.5	4,193.0	477.9	4,220.1	6.50	
13,923.0	89.60	357.80	9,687.2	-6,715.2	4,223.9	476.6	4,250.7	6.44	
13,955.0	89.60	358.20	9,687.4	-6,715.4	4,255.9	475.4	4,282.4	6.37	
13,986.0	89.10	358.30	9,687.7	-6,715.7	4,286.9	474.5	4,313.1	6.32	
14,018.0	89.10	358.70	9,688.2	-6,716.2	4,318.9	473.7	4,344.8	6.26	
14,050.0	89.90	358.90	9,688.5	-6,716.5	4,350.9	473.0	4,376.5	6.20	
14,081.0	90.20	359.10	9,688.5	-6,716.5	4,381.9	472.4	4,407.3	6.15	
14,113.0	90.10	358.70	9,688.4	-6,716.4	4,413.9	471.8	4,439.0	6.10	
14,144.0	91.50	359.10	9,688.0	-6,716.0	4,444.9	471.2	4,469.8	6.05	
14,176.0	90.90	359.30	9,687.3	-6,715.3	4,476.9	470.8	4,501.5	6.00	

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fleetwood 36-25 W0ML St Com #1H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	2945 + 27 @ 2972.0usft (Patterson 562)
Site:	Section 36/25-24S-28E Fleetwood 36/25 W0ML S	MD Reference:	2945 + 27 @ 2972.0usft (Patterson 562)
Well:	Fleetwood 36-25 W0ML St Com #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

Survey								
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)
14,270.0	89.80	359.30	9,686.7	-6,714.7	4,570.8	469.6	4,594.9	5.87
14,365.0	90.60	358.60	9,686.4	-6,714.4	4,665.8	467.9	4,689.2	5.73
14,461.0	92.00	359.60	9,684.2	-6,712.2	4,761.8	466.4	4,784.6	5.59
14,555.0	86.20	358.50	9,685.7	-6,713.7	4,855.7	464.8	4,877.9	5.47
14,651.0	87.80	358.20	9,690.7	-6,718.7	4,951.5	462.1	4,973.1	5.33
14,746.0	90.20	359.50	9,692.4	-6,720.4	5,046.5	460.2	5,067.4	5.21
14,841.0	89.10	0.00	9,693.0	-6,721.0	5,141.5	459.8	5,162.0	5.11
14,935.0	89.80	0.90	9,693.9	-6,721.9	5,235.5	460.5	5,255.7	5.03
15,031.0	89.90	2.10	9,694.1	-6,722.1	5,331.5	463.0	5,351.5	4.96
15,126.0	90.20	0.70	9,694.0	-6,722.0	5,426.4	465.3	5,446.3	4.90
15,221.0	88.00	359.20	9,695.5	-6,723.5	5,521.4	465.3	5,541.0	4.82
15,316.0	90.00	359.50	9,697.2	-6,725.2	5,616.4	464.2	5,635.5	4.72
15,411.0	92.10	359.10	9,695.4	-6,723.4	5,711.3	463.0	5,730.1	4.63
15,507.0	90.70	357.80	9,693.1	-6,721.1	5,807.3	460.4	5,825.5	4.53
15,601.0	91.30	359.60	9,691.5	-6,719.5	5,901.2	458.3	5,919.0	4.44
15,696.0	90.40	357.90	9,690.1	-6,718.1	5,996.2	456.2	6,013.5	4.35
15,790.0	89.70	357.50	9,690.0	-6,718.0	6,090.1	452.4	6,106.9	4.25
15,886.0	90.60	358.90	9,689.7	-6,717.7	6,186.1	449.4	6,202.4	4.16
15,980.0	90.70	359.30	9,688.7	-6,716.7	6,280.1	448.0	6,296.0	4.08
16,076.0	93.00	0.00	9,685.6	-6,713.6	6,376.0	447.4	6,391.7	4.01
16,171.0	92.20	359.60	9,681.2	-6,709.2	6,470.9	447.0	6,486.3	3.95
16,266.0	91.90	359.60	9,677.8	-6,705.8	6,565.8	446.4	6,581.0	3.89
16,360.0	88.50	357.80	9,677.5	-6,705.5	6,659.8	444.2	6,674.6	3.82
16,455.0	87.40	357.30	9,680.9	-6,708.9	6,754.6	440.2	6,769.0	3.73
16,551.0	87.10	357.30	9,685.5	-6,713.5	6,850.4	435.7	6,864.3	3.64
16,646.0	88.30	357.10	9,689.3	-6,717.3	6,945.2	431.0	6,958.6	3.55
16,741.0	90.80	1.20	9,690.1	-6,718.1	7,040.2	429.6	7,053.3	3.49

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fleetwood 36-25 W0ML St Com #1H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	2945 + 27 @ 2972.0usft (Patterson 562)
Site:	Section 36/25-24S-28E Fleetwood 36/25 W0ML S	MD Reference:	2945 + 27 @ 2972.0usft (Patterson 562)
Well:	Fleetwood 36-25 W0ML St Com #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

Survey								
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)
16,835.0	89.00	1.00	9,690.2	-6,718.2	7,134.2	431.4	7,147.2	3.46
16,931.0	89.80	4.20	9,691.2	-6,719.2	7,230.1	435.8	7,243.2	3.45
17,026.0	92.30	7.60	9,689.5	-6,717.5	7,324.5	445.5	7,338.1	3.48
17,120.0	89.80	6.50	9,687.8	-6,715.8	7,417.8	457.1	7,431.8	3.53
17,138.0	89.50	6.40	9,687.9	-6,715.9	7,435.7	459.1	7,449.8	3.53
17,189.5	89.50	6.40	9,688.3	-6,716.3	7,486.9	464.8	7,501.3	3.55
New PBHL Fleetwood 36 25 W0LM St Com 1H								
17,190.0	89.50	6.40	9,688.3	-6,716.3	7,487.3	464.9	7,501.8	3.55
17190' MD Projected to Bit - PBHL Fleetwood 36 25 W0LM St Com 1H								

Survey Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
404.0	404.0	-1.6	-2.2	404.0' MD Phoenix Gyro
17,190.0	9,688.3	7,487.3	464.9	17190' MD Projected to Bit



COMPANY: Mewbourne Oil Company
 WELL: Fleetwood 36-25 W0LM St Com #1H
 COUNTY: Eddy County, N.M. Nad (83)
 DATUM: North American Datum 1983
 RIG: Patterson 562



OFFICE: 936.582.7294

GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 6.90°

GEODETIC ZONE: New Mexico Eastern Zone
 2945 + 27 @ 2972.0usft (Patterson 562)
 GROUND ELEVATION: 2945.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	424605.10	630002.80	32° 10' 1.175 N	104° 2' 48.427 W	

PLAN SECTIONS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSeet	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	2650.0	0.00	0.00	2650.0	0.0	0.0	0.00	0.00	0.0	
3	2948.2	4.47	111.21	2947.9	-4.2	10.8	1.50	111.21	-3.6	
4	8860.4	4.47	111.21	8842.1	-171.0	440.7	0.00	0.00	-146.9	
5	9158.6	0.00	0.00	9140.0	-175.2	451.6	1.50	180.00	-150.5	New B.B. Fleetwood 36 25 W0LM St Com 1H
6	9257.2	0.00	0.00	9238.6	-175.2	451.6	0.00	0.00	-150.5	
7	10008.1	90.11	359.67	9716.0	303.2	448.8	12.00	359.67	327.1	
8	17198.3	90.11	359.67	9702.0	7493.2	407.0	0.00	0.00	7504.3	New PBHL Fleetwood 36 25 W0LM St Com 1H

SHL: 185' FSL: 750 FWL
 Section 36-24S-28E
 PBHL: 2310 FS:1250' FWL
 Section 25-25S-28E

