



NM OIL CONSERVATION
ARTESIA DISTRICT

MAR 06 2019

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Mewbourne Oil Company

Eddy County, N.M. Nad (83)

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

Fleetwood 36/25 W0ML St Com 3H

Original Hole

Design: Original Hole

Survey Report - Geographic

24 September, 2018



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fleetwood 36/25 W0ML St Com 3H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	2944 + 27 @ 2971.0usft (Patterson 562)
Site:	Section 36/25-24S--28E Fleetwood 36/25 W0ML St Com	MD Reference:	2944 + 27 @ 2971.0usft (Patterson 562)
Well:	Fleetwood 36/25 W0ML St Com 3H	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		
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Site Position:		Northing:	424,605.20 usft	Latitude:	32° 10' 1.177 N
From:	Map	Easting:	629,952.80 usft	Longitude:	104° 2' 49.008 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.15 °

Well	Fleetwood 36/25 W0ML St Com 3H					
Well Position	+N/-S	0.0 usft	Northing:	424,605.20 usft	Latitude:	32° 10' 1.177 N
	+E/-W	0.0 usft	Easting:	629,952.80 usft	Longitude:	104° 2' 49.008 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	27.0 usft	Ground Level:	2,944.0 usft

Wellbore	Original Hole				
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	7/30/2018	7.05	59.92	47,742.34408758

Design	Original Hole				
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Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	55.43

Survey Program	Date	From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
	9/24/2018	400.0	17,195.0	MWD Survey (Original Hole)	GyroFlex	

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
400.0	4.60	64.48	399.4	9.5	13.9	424,614.75	629,966.66	32° 10' 1.271 N	104° 2' 48.847 W
400.0' MD Phoenix Gyro Survey									
569.0	6.10	56.90	567.7	17.4	27.5	424,622.57	629,980.30	32° 10' 1.348 N	104° 2' 48.688 W
752.0	0.90	336.80	750.3	24.0	35.1	424,629.21	629,987.89	32° 10' 1.414 N	104° 2' 48.599 W
946.0	2.50	286.70	944.2	26.6	30.4	424,631.83	629,983.24	32° 10' 1.440 N	104° 2' 48.653 W
1,136.0	3.30	254.40	1,134.0	26.3	21.2	424,631.55	629,974.00	32° 10' 1.437 N	104° 2' 48.761 W
1,326.0	2.90	254.50	1,323.7	23.6	11.3	424,628.79	629,964.10	32° 10' 1.410 N	104° 2' 48.876 W
1,516.0	2.70	254.00	1,513.5	21.1	2.4	424,626.27	629,955.17	32° 10' 1.386 N	104° 2' 48.980 W
1,706.0	1.90	251.70	1,703.3	18.9	-4.9	424,624.05	629,947.87	32° 10' 1.364 N	104° 2' 49.065 W
1,896.0	1.10	247.80	1,893.3	17.2	-9.6	424,622.37	629,943.20	32° 10' 1.347 N	104° 2' 49.120 W
2,087.0	1.70	152.60	2,084.2	14.0	-10.0	424,619.16	629,942.80	32° 10' 1.316 N	104° 2' 49.124 W

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fleetwood 36/25 W0ML St Com 3H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	2944 + 27 @ 2971.0usft (Patterson 562)
Site:	Section 36/25-24S--28E Fleetwood 36/25 W0ML St Com	MD Reference:	2944 + 27 @ 2971.0usft (Patterson 562)
Well:	Fleetwood 36/25 W0ML St Com 3H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
2,278.0	2.40	121.60	2,275.1	9.4	-5.3	424,614.55	629,947.51	32° 10' 1.270 N	104° 2' 49.070 W
2,469.0	2.90	119.10	2,465.9	4.9	2.3	424,610.11	629,955.14	32° 10' 1.226 N	104° 2' 48.981 W
2,579.0	1.90	115.40	2,575.8	2.8	6.4	424,607.97	629,959.22	32° 10' 1.204 N	104° 2' 48.934 W
2,692.0	2.20	110.70	2,688.7	1.2	10.1	424,606.40	629,962.94	32° 10' 1.189 N	104° 2' 48.890 W
2,882.0	2.30	213.40	2,878.6	-3.3	11.4	424,601.93	629,964.25	32° 10' 1.145 N	104° 2' 48.875 W
3,073.0	4.40	236.10	3,069.3	-10.6	3.3	424,594.64	629,956.06	32° 10' 1.073 N	104° 2' 48.971 W
3,264.0	4.20	252.70	3,259.8	-16.7	-9.5	424,588.48	629,943.30	32° 10' 1.012 N	104° 2' 49.119 W
3,455.0	5.00	247.00	3,450.2	-22.1	-23.8	424,583.14	629,928.96	32° 10' 0.960 N	104° 2' 49.286 W
3,644.0	4.40	245.10	3,638.5	-28.3	-38.0	424,576.87	629,914.80	32° 10' 0.898 N	104° 2' 49.451 W
3,834.0	4.70	241.50	3,827.9	-35.1	-51.5	424,570.09	629,901.35	32° 10' 0.831 N	104° 2' 49.608 W
4,026.0	4.70	250.40	4,019.3	-41.5	-65.8	424,563.70	629,887.03	32° 10' 0.768 N	104° 2' 49.775 W
4,216.0	4.80	253.60	4,208.6	-46.4	-80.7	424,558.84	629,872.07	32° 10' 0.721 N	104° 2' 49.949 W
4,406.0	4.60	251.80	4,398.0	-51.0	-95.6	424,554.22	629,857.21	32° 10' 0.675 N	104° 2' 50.122 W
4,597.0	4.60	249.50	4,588.4	-56.1	-110.0	424,549.14	629,842.76	32° 10' 0.625 N	104° 2' 50.290 W
4,787.0	4.20	247.90	4,777.8	-61.3	-123.6	424,543.86	629,829.17	32° 10' 0.573 N	104° 2' 50.449 W
4,977.0	4.70	251.00	4,967.3	-66.5	-137.4	424,538.71	629,815.37	32° 10' 0.523 N	104° 2' 50.609 W
5,167.0	4.00	248.70	5,156.7	-71.4	-151.0	424,533.76	629,801.83	32° 10' 0.474 N	104° 2' 50.767 W
5,357.0	5.30	247.00	5,346.1	-77.3	-165.2	424,527.93	629,787.58	32° 10' 0.417 N	104° 2' 50.933 W
5,545.0	4.10	245.30	5,533.4	-83.5	-179.3	424,521.73	629,773.48	32° 10' 0.356 N	104° 2' 51.097 W
5,734.0	4.80	247.00	5,721.9	-89.4	-192.7	424,515.81	629,760.06	32° 10' 0.298 N	104° 2' 51.254 W
5,923.0	4.10	242.70	5,910.3	-95.6	-206.0	424,509.62	629,746.78	32° 10' 0.237 N	104° 2' 51.408 W
6,113.0	5.10	246.00	6,099.7	-102.1	-219.8	424,503.07	629,733.03	32° 10' 0.172 N	104° 2' 51.568 W
6,302.0	5.20	249.20	6,287.9	-108.6	-235.5	424,496.62	629,717.35	32° 10' 0.109 N	104° 2' 51.751 W
6,492.0	4.10	259.70	6,477.3	-112.9	-250.2	424,492.34	629,702.62	32° 10' 0.067 N	104° 2' 51.923 W
6,683.0	4.20	254.70	6,667.8	-115.9	-263.7	424,489.28	629,689.15	32° 10' 0.037 N	104° 2' 52.079 W
6,873.0	2.20	251.30	6,857.5	-118.9	-273.8	424,486.27	629,678.98	32° 10' 0.007 N	104° 2' 52.198 W
7,064.0	3.40	238.10	7,048.3	-123.1	-282.1	424,482.10	629,670.70	32° 9' 59.966 N	104° 2' 52.294 W
7,254.0	2.10	241.10	7,238.0	-127.8	-289.9	424,477.44	629,662.87	32° 9' 59.921 N	104° 2' 52.385 W
7,443.0	4.90	248.20	7,426.7	-132.4	-300.5	424,472.77	629,652.34	32° 9' 59.875 N	104° 2' 52.508 W
7,635.0	4.90	248.90	7,618.0	-138.4	-315.7	424,466.77	629,637.08	32° 9' 59.816 N	104° 2' 52.686 W
7,823.0	4.50	242.70	7,805.3	-144.7	-329.8	424,460.50	629,623.04	32° 9' 59.754 N	104° 2' 52.849 W
8,014.0	4.80	256.40	7,995.7	-150.0	-344.2	424,455.19	629,608.61	32° 9' 59.702 N	104° 2' 53.017 W
8,204.0	3.00	267.90	8,185.3	-152.1	-356.9	424,453.13	629,595.91	32° 9' 59.682 N	104° 2' 53.165 W
8,394.0	3.80	256.80	8,374.9	-153.7	-368.0	424,451.51	629,584.81	32° 9' 59.666 N	104° 2' 53.294 W
8,585.0	4.00	253.80	8,565.5	-157.0	-380.5	424,448.21	629,572.26	32° 9' 59.634 N	104° 2' 53.441 W
8,776.0	4.40	234.90	8,756.0	-163.1	-392.9	424,442.14	629,559.86	32° 9' 59.574 N	104° 2' 53.585 W
8,966.0	3.30	226.90	8,945.6	-171.0	-402.9	424,434.21	629,549.91	32° 9' 59.496 N	104° 2' 53.701 W
9,117.3	1.86	238.35	9,096.7	-175.3	-408.2	424,429.95	629,544.64	32° 9' 59.454 N	104° 2' 53.763 W
B.B. Fleetwood 36/25 W0ML St Com 3H									
9,120.9	1.83	238.84	9,100.3	-175.3	-408.3	424,429.89	629,544.54	32° 9' 59.453 N	104° 2' 53.764 W
New B.B. Fleetwood 36/25 W0ML 3H									
9,158.0	1.50	245.10	9,137.4	-175.8	-409.2	424,429.38	629,543.59	32° 9' 59.448 N	104° 2' 53.775 W
9,253.0	2.20	319.30	9,232.3	-175.0	-411.5	424,430.24	629,541.27	32° 9' 59.457 N	104° 2' 53.802 W
9,285.0	5.60	347.10	9,264.3	-173.0	-412.3	424,432.22	629,540.53	32° 9' 59.476 N	104° 2' 53.810 W
9,317.0	9.40	353.40	9,296.0	-168.9	-412.9	424,436.34	629,539.88	32° 9' 59.517 N	104° 2' 53.818 W
9,349.0	13.20	358.00	9,327.4	-162.6	-413.4	424,442.59	629,539.45	32° 9' 59.579 N	104° 2' 53.822 W
9,380.0	16.60	357.60	9,357.3	-154.6	-413.7	424,450.56	629,539.14	32° 9' 59.658 N	104° 2' 53.826 W
9,411.0	20.90	359.70	9,386.7	-144.7	-413.9	424,460.52	629,538.92	32° 9' 59.756 N	104° 2' 53.828 W
9,443.0	24.90	1.20	9,416.1	-132.2	-413.8	424,472.96	629,539.04	32° 9' 59.879 N	104° 2' 53.826 W
9,475.0	29.00	1.20	9,444.7	-117.7	-413.5	424,487.46	629,539.34	32° 10' 0.023 N	104° 2' 53.822 W
9,507.0	33.00	2.80	9,472.1	-101.3	-412.9	424,503.93	629,539.93	32° 10' 0.186 N	104° 2' 53.815 W
9,538.0	35.60	2.00	9,497.7	-83.8	-412.1	424,521.38	629,540.66	32° 10' 0.358 N	104° 2' 53.806 W
9,570.0	40.00	2.20	9,523.0	-64.2	-411.4	424,540.97	629,541.38	32° 10' 0.552 N	104° 2' 53.797 W
9,602.0	45.00	3.10	9,546.6	-42.6	-410.4	424,562.56	629,542.38	32° 10' 0.766 N	104° 2' 53.785 W

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fleetwood 36/25 W0ML St Com 3H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	2944 + 27 @ 2971.0usft (Patterson 562)
Site:	Section 36/25-24S--28E Fleetwood 36/25 W0ML St Com	MD Reference:	2944 + 27 @ 2971.0usft (Patterson 562)
Well:	Fleetwood 36/25 W0ML St Com 3H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker EDM

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
2,278.0	2.40	121.60	2,275.1	9.4	-5.3	424,614.55	629,947.51	32° 10' 1.270 N	104° 2' 49.070 W
2,469.0	2.90	119.10	2,465.9	4.9	2.3	424,610.11	629,955.14	32° 10' 1.226 N	104° 2' 48.981 W
2,579.0	1.90	115.40	2,575.8	2.8	6.4	424,607.97	629,959.22	32° 10' 1.204 N	104° 2' 48.934 W
2,692.0	2.20	110.70	2,688.7	1.2	10.1	424,606.40	629,962.94	32° 10' 1.189 N	104° 2' 48.890 W
2,882.0	2.30	213.40	2,878.6	-3.3	11.4	424,601.93	629,964.25	32° 10' 1.145 N	104° 2' 48.875 W
3,073.0	4.40	236.10	3,069.3	-10.6	3.3	424,594.64	629,956.06	32° 10' 1.073 N	104° 2' 48.971 W
3,264.0	4.20	252.70	3,259.8	-16.7	-9.5	424,588.48	629,943.30	32° 10' 1.012 N	104° 2' 49.119 W
3,455.0	5.00	247.00	3,450.2	-22.1	-23.8	424,583.14	629,928.96	32° 10' 0.960 N	104° 2' 49.286 W
3,644.0	4.40	245.10	3,638.5	-28.3	-38.0	424,576.87	629,914.80	32° 10' 0.898 N	104° 2' 49.451 W
3,834.0	4.70	241.50	3,827.9	-35.1	-51.5	424,570.09	629,901.35	32° 10' 0.831 N	104° 2' 49.608 W
4,026.0	4.70	250.40	4,019.3	-41.5	-65.8	424,563.70	629,887.03	32° 10' 0.768 N	104° 2' 49.775 W
4,216.0	4.80	253.60	4,208.6	-46.4	-80.7	424,558.84	629,872.07	32° 10' 0.721 N	104° 2' 49.949 W
4,406.0	4.60	251.80	4,398.0	-51.0	-95.6	424,554.22	629,857.21	32° 10' 0.675 N	104° 2' 50.122 W
4,597.0	4.60	249.50	4,588.4	-56.1	-110.0	424,549.14	629,842.76	32° 10' 0.625 N	104° 2' 50.290 W
4,787.0	4.20	247.90	4,777.8	-61.3	-123.6	424,543.86	629,829.17	32° 10' 0.573 N	104° 2' 50.449 W
4,977.0	4.70	251.00	4,967.3	-66.5	-137.4	424,538.71	629,815.37	32° 10' 0.523 N	104° 2' 50.609 W
5,167.0	4.00	248.70	5,156.7	-71.4	-151.0	424,533.76	629,801.83	32° 10' 0.474 N	104° 2' 50.767 W
5,357.0	5.30	247.00	5,346.1	-77.3	-165.2	424,527.93	629,787.58	32° 10' 0.417 N	104° 2' 50.933 W
5,545.0	4.10	245.30	5,533.4	-83.5	-179.3	424,521.73	629,773.48	32° 10' 0.356 N	104° 2' 51.097 W
5,734.0	4.80	247.00	5,721.9	-89.4	-192.7	424,515.81	629,760.06	32° 10' 0.298 N	104° 2' 51.254 W
5,923.0	4.10	242.70	5,910.3	-95.6	-206.0	424,509.62	629,746.78	32° 10' 0.237 N	104° 2' 51.408 W
6,113.0	5.10	246.00	6,099.7	-102.1	-219.8	424,503.07	629,733.03	32° 10' 0.172 N	104° 2' 51.568 W
6,302.0	5.20	249.20	6,287.9	-108.6	-235.5	424,496.62	629,717.35	32° 10' 0.109 N	104° 2' 51.751 W
6,492.0	4.10	259.70	6,477.3	-112.9	-250.2	424,492.34	629,702.62	32° 10' 0.067 N	104° 2' 51.923 W
6,683.0	4.20	254.70	6,667.8	-115.9	-263.7	424,489.28	629,689.15	32° 10' 0.037 N	104° 2' 52.079 W
6,873.0	2.20	251.30	6,857.5	-118.9	-273.8	424,486.27	629,678.98	32° 10' 0.007 N	104° 2' 52.198 W
7,064.0	3.40	238.10	7,048.3	-123.1	-282.1	424,482.10	629,670.70	32° 9' 59.966 N	104° 2' 52.294 W
7,254.0	2.10	241.10	7,238.0	-127.8	-289.9	424,477.44	629,662.87	32° 9' 59.921 N	104° 2' 52.385 W
7,443.0	4.90	248.20	7,426.7	-132.4	-300.5	424,472.77	629,652.34	32° 9' 59.875 N	104° 2' 52.508 W
7,635.0	4.90	248.90	7,618.0	-138.4	-315.7	424,466.77	629,637.08	32° 9' 59.816 N	104° 2' 52.686 W
7,823.0	4.50	242.70	7,805.3	-144.7	-329.8	424,460.50	629,623.04	32° 9' 59.754 N	104° 2' 52.849 W
8,014.0	4.80	256.40	7,995.7	-150.0	-344.2	424,455.19	629,608.61	32° 9' 59.702 N	104° 2' 53.017 W
8,204.0	3.00	267.90	8,185.3	-152.1	-356.9	424,453.13	629,595.91	32° 9' 59.682 N	104° 2' 53.165 W
8,394.0	3.80	256.80	8,374.9	-153.7	-368.0	424,451.51	629,584.81	32° 9' 59.666 N	104° 2' 53.294 W
8,585.0	4.00	253.80	8,565.5	-157.0	-380.5	424,448.21	629,572.26	32° 9' 59.634 N	104° 2' 53.441 W
8,776.0	4.40	234.90	8,756.0	-163.1	-392.9	424,442.14	629,559.86	32° 9' 59.574 N	104° 2' 53.585 W
8,966.0	3.30	226.90	8,945.6	-171.0	-402.9	424,434.21	629,549.91	32° 9' 59.496 N	104° 2' 53.701 W
9,117.3	1.86	238.35	9,096.7	-175.3	-408.2	424,429.95	629,544.64	32° 9' 59.454 N	104° 2' 53.763 W
B.B. Fleetwood 36/25 W0ML St Com 3H									
9,120.9	1.83	238.84	9,100.3	-175.3	-408.3	424,429.89	629,544.54	32° 9' 59.453 N	104° 2' 53.764 W
New B.B. Fleetwood 36/25 W0ML 3H									
9,158.0	1.50	245.10	9,137.4	-175.8	-409.2	424,429.38	629,543.59	32° 9' 59.448 N	104° 2' 53.775 W
9,253.0	2.20	319.30	9,232.3	-175.0	-411.5	424,430.24	629,541.27	32° 9' 59.457 N	104° 2' 53.802 W
9,285.0	5.60	347.10	9,264.3	-173.0	-412.3	424,432.22	629,540.53	32° 9' 59.476 N	104° 2' 53.810 W
9,317.0	9.40	353.40	9,296.0	-168.9	-412.9	424,436.34	629,539.88	32° 9' 59.517 N	104° 2' 53.818 W
9,349.0	13.20	358.00	9,327.4	-162.6	-413.4	424,442.59	629,539.45	32° 9' 59.579 N	104° 2' 53.822 W
9,380.0	16.60	357.60	9,357.3	-154.6	-413.7	424,450.56	629,539.14	32° 9' 59.658 N	104° 2' 53.826 W
9,411.0	20.90	359.70	9,386.7	-144.7	-413.9	424,460.52	629,538.92	32° 9' 59.756 N	104° 2' 53.828 W
9,443.0	24.90	1.20	9,416.1	-132.2	-413.8	424,472.96	629,539.04	32° 9' 59.879 N	104° 2' 53.826 W
9,475.0	29.00	1.20	9,444.7	-117.7	-413.5	424,487.46	629,539.34	32° 10' 0.023 N	104° 2' 53.822 W
9,507.0	33.00	2.80	9,472.1	-101.3	-412.9	424,503.93	629,539.93	32° 10' 0.186 N	104° 2' 53.815 W
9,538.0	35.60	2.00	9,497.7	-83.8	-412.1	424,521.38	629,540.66	32° 10' 0.358 N	104° 2' 53.806 W
9,570.0	40.00	2.20	9,523.0	-64.2	-411.4	424,540.97	629,541.38	32° 10' 0.552 N	104° 2' 53.797 W
9,602.0	45.00	3.10	9,546.6	-42.6	-410.4	424,562.56	629,542.38	32° 10' 0.766 N	104° 2' 53.785 W

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fleetwood 36/25 W0ML St Com 3H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	2944 + 27 @ 2971.0usft (Patterson 562)
Site:	Section 36/25-24S-28E Fleetwood 36/25 W0ML St Com	MD Reference:	2944 + 27 @ 2971.0usft (Patterson 562)
Well:	Fleetwood 36/25 W0ML St Com 3H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
9,633.0	47.90	3.70	9,567.9	-20.2	-409.1	424,584.99	629,543.72	32° 10' 0.988 N	104° 2' 53.768 W	
9,665.0	51.10	3.40	9,588.7	4.1	-407.6	424,609.27	629,545.22	32° 10' 1.228 N	104° 2' 53.750 W	
9,697.0	54.40	2.70	9,608.1	29.5	-406.2	424,634.70	629,546.57	32° 10' 1.480 N	104° 2' 53.734 W	
9,729.0	56.50	3.10	9,626.2	55.8	-404.9	424,661.02	629,547.91	32° 10' 1.740 N	104° 2' 53.717 W	
9,761.0	60.00	3.00	9,643.0	83.0	-403.4	424,688.19	629,549.36	32° 10' 2.009 N	104° 2' 53.700 W	
9,792.0	62.90	2.90	9,657.9	110.2	-402.0	424,715.38	629,550.76	32° 10' 2.278 N	104° 2' 53.682 W	
9,824.0	67.30	4.30	9,671.3	139.1	-400.2	424,744.34	629,552.59	32° 10' 2.565 N	104° 2' 53.660 W	
9,856.0	69.80	3.10	9,683.0	168.9	-398.3	424,774.06	629,554.50	32° 10' 2.859 N	104° 2' 53.637 W	
9,895.0	71.30	2.50	9,696.0	205.6	-396.5	424,810.79	629,556.30	32° 10' 3.222 N	104° 2' 53.615 W	
9,937.0	75.60	1.60	9,708.0	245.8	-395.1	424,851.02	629,557.74	32° 10' 3.620 N	104° 2' 53.597 W	
9,969.0	72.80	0.00	9,716.7	276.6	-394.6	424,881.80	629,558.17	32° 10' 3.925 N	104° 2' 53.591 W	
10,000.0	68.60	356.20	9,726.9	305.8	-395.6	424,911.03	629,557.21	32° 10' 4.214 N	104° 2' 53.601 W	
10,032.0	69.90	353.80	9,738.3	335.6	-398.2	424,940.83	629,554.60	32° 10' 4.509 N	104° 2' 53.631 W	
10,064.0	78.90	352.70	9,746.9	366.2	-401.8	424,971.41	629,550.98	32° 10' 4.812 N	104° 2' 53.672 W	
10,104.0	92.10	351.80	9,750.0	405.6	-407.2	425,010.83	629,545.61	32° 10' 5.202 N	104° 2' 53.733 W	
10,167.0	97.00	354.40	9,745.0	468.0	-414.7	425,073.16	629,538.06	32° 10' 5.819 N	104° 2' 53.819 W	
10,169.6	97.00	354.40	9,744.7	470.5	-415.0	425,075.70	629,537.81	32° 10' 5.844 N	104° 2' 53.822 W	
LP Fleetwood 36/25 W0ML St Com 3H										
10,263.0	97.10	354.30	9,733.2	562.8	-424.1	425,167.97	629,528.68	32° 10' 6.757 N	104° 2' 53.925 W	
10,358.0	95.30	356.90	9,723.0	656.9	-431.4	425,262.12	629,521.44	32° 10' 7.689 N	104° 2' 54.007 W	
10,454.0	96.00	1.20	9,713.5	752.4	-432.9	425,357.62	629,519.85	32° 10' 8.634 N	104° 2' 54.022 W	
10,548.0	94.40	1.70	9,705.0	846.0	-430.6	425,451.20	629,522.22	32° 10' 9.561 N	104° 2' 53.992 W	
10,643.0	90.50	2.70	9,700.9	940.8	-426.9	425,546.02	629,525.87	32° 10' 10.499 N	104° 2' 53.946 W	
10,738.0	91.50	3.10	9,699.3	1,035.7	-422.1	425,640.88	629,530.67	32° 10' 11.437 N	104° 2' 53.888 W	
10,833.0	89.90	3.80	9,698.1	1,130.5	-416.4	425,735.70	629,536.39	32° 10' 12.376 N	104° 2' 53.818 W	
10,929.0	89.80	4.60	9,698.4	1,226.2	-409.4	425,831.44	629,543.42	32° 10' 13.323 N	104° 2' 53.733 W	
11,023.0	88.80	3.40	9,699.5	1,320.0	-402.8	425,925.20	629,549.98	32° 10' 14.251 N	104° 2' 53.654 W	
11,119.0	90.50	3.90	9,700.1	1,415.8	-396.7	426,021.00	629,556.09	32° 10' 15.198 N	104° 2' 53.580 W	
11,214.0	88.40	1.70	9,701.0	1,510.7	-392.1	426,115.87	629,560.73	32° 10' 16.137 N	104° 2' 53.523 W	
11,309.0	91.60	3.40	9,701.0	1,605.6	-387.8	426,210.76	629,564.95	32° 10' 17.076 N	104° 2' 53.471 W	
11,404.0	88.60	359.80	9,700.8	1,700.5	-385.2	426,305.70	629,567.61	32° 10' 18.015 N	104° 2' 53.437 W	
11,499.0	90.70	0.10	9,701.4	1,795.5	-385.3	426,400.69	629,567.52	32° 10' 18.956 N	104° 2' 53.435 W	
11,595.0	91.50	0.50	9,699.6	1,891.5	-384.8	426,496.67	629,568.03	32° 10' 19.905 N	104° 2' 53.427 W	
11,689.0	88.80	357.00	9,699.3	1,985.4	-386.8	426,590.63	629,565.98	32° 10' 20.835 N	104° 2' 53.448 W	
11,785.0	91.10	358.40	9,699.4	2,081.3	-390.7	426,686.54	629,562.12	32° 10' 21.784 N	104° 2' 53.489 W	
11,880.0	88.50	357.60	9,699.7	2,176.3	-394.0	426,781.47	629,558.81	32° 10' 22.724 N	104° 2' 53.525 W	
11,975.0	90.90	0.50	9,700.2	2,271.2	-395.6	426,876.44	629,557.23	32° 10' 23.664 N	104° 2' 53.541 W	
12,069.0	88.90	0.50	9,700.4	2,365.2	-394.8	426,970.43	629,558.05	32° 10' 24.594 N	104° 2' 53.528 W	
12,164.0	90.80	1.20	9,700.7	2,460.2	-393.3	427,065.42	629,559.46	32° 10' 25.534 N	104° 2' 53.509 W	
12,260.0	91.70	358.40	9,698.6	2,556.2	-393.7	427,161.38	629,559.13	32° 10' 26.484 N	104° 2' 53.510 W	
12,355.0	91.80	359.20	9,695.7	2,651.1	-395.7	427,256.32	629,557.14	32° 10' 27.423 N	104° 2' 53.530 W	
12,449.0	89.40	357.30	9,694.7	2,745.1	-398.5	427,350.26	629,554.27	32° 10' 28.353 N	104° 2' 53.560 W	
12,544.0	87.70	355.20	9,697.1	2,839.8	-404.7	427,445.02	629,548.06	32° 10' 29.291 N	104° 2' 53.630 W	
12,640.0	86.50	354.30	9,701.9	2,935.3	-413.5	427,540.49	629,539.29	32° 10' 30.236 N	104° 2' 53.729 W	
12,735.0	87.60	355.80	9,706.8	3,029.8	-421.7	427,635.00	629,531.10	32° 10' 31.171 N	104° 2' 53.821 W	
12,830.0	90.70	358.80	9,708.2	3,124.7	-426.2	427,729.87	629,526.63	32° 10' 32.110 N	104° 2' 53.870 W	
12,926.0	90.40	358.90	9,707.3	3,220.6	-428.1	427,825.84	629,524.70	32° 10' 33.060 N	104° 2' 53.890 W	
13,021.0	91.20	358.70	9,706.0	3,315.6	-430.1	427,920.81	629,522.71	32° 10' 34.000 N	104° 2' 53.910 W	
13,116.0	91.30	1.60	9,703.9	3,410.6	-429.8	428,015.78	629,522.96	32° 10' 34.940 N	104° 2' 53.904 W	
13,211.0	91.00	1.10	9,702.0	3,505.5	-427.6	428,110.73	629,525.20	32° 10' 35.879 N	104° 2' 53.875 W	
13,305.0	91.20	0.50	9,700.2	3,599.5	-426.3	428,204.70	629,526.51	32° 10' 36.809 N	104° 2' 53.857 W	
13,400.0	89.60	0.60	9,699.5	3,694.5	-425.4	428,299.69	629,527.42	32° 10' 37.749 N	104° 2' 53.844 W	
13,495.0	90.90	2.40	9,699.1	3,789.5	-422.9	428,394.66	629,529.91	32° 10' 38.689 N	104° 2' 53.812 W	
13,590.0	89.20	1.90	9,699.0	3,884.4	-419.3	428,489.58	629,533.47	32° 10' 39.628 N	104° 2' 53.767 W	

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fleetwood 36/25 W0ML St Com 3H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	2944 + 27 @ 2971.0usft (Patterson 562)
Site:	Section 36/25-24S--28E Fleetwood 36/25 W0ML St Com	MD Reference:	2944 + 27 @ 2971.0usft (Patterson 562)
Well:	Fleetwood 36/25 W0ML St Com 3H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
13,685.0	90.60	359.70	9,699.2	3,979.4	-418.0	428,584.57	629,534.80	32° 10' 40.568 N	104° 2' 53.749 W
13,780.0	91.30	0.00	9,697.6	4,074.4	-418.3	428,679.55	629,534.55	32° 10' 41.508 N	104° 2' 53.749 W
13,875.0	91.10	1.40	9,695.6	4,169.3	-417.1	428,774.52	629,535.71	32° 10' 42.448 N	104° 2' 53.732 W
13,970.0	87.70	359.90	9,696.6	4,264.3	-416.0	428,869.49	629,536.79	32° 10' 43.388 N	104° 2' 53.717 W
14,065.0	88.90	359.40	9,699.5	4,359.2	-416.6	428,964.45	629,536.21	32° 10' 44.327 N	104° 2' 53.721 W
14,162.0	89.70	359.10	9,700.6	4,456.2	-417.9	429,061.43	629,534.94	32° 10' 45.287 N	104° 2' 53.733 W
14,256.0	91.70	358.90	9,699.5	4,550.2	-419.5	429,155.41	629,533.30	32° 10' 46.217 N	104° 2' 53.749 W
14,351.0	91.20	358.30	9,697.1	4,645.1	-421.8	429,250.35	629,530.98	32° 10' 47.157 N	104° 2' 53.773 W
14,446.0	90.70	358.70	9,695.5	4,740.1	-424.3	429,345.30	629,528.49	32° 10' 48.096 N	104° 2' 53.799 W
14,541.0	89.10	356.90	9,695.7	4,835.0	-428.0	429,440.22	629,524.85	32° 10' 49.036 N	104° 2' 53.838 W
14,636.0	91.40	357.70	9,695.3	4,929.9	-432.4	429,535.11	629,520.37	32° 10' 49.975 N	104° 2' 53.887 W
14,731.0	90.80	359.10	9,693.4	5,024.9	-435.1	429,630.05	629,517.72	32° 10' 50.915 N	104° 2' 53.915 W
14,826.0	89.40	357.80	9,693.3	5,119.8	-437.7	429,725.01	629,515.15	32° 10' 51.854 N	104° 2' 53.942 W
14,921.0	91.00	2.00	9,692.9	5,214.8	-437.8	429,819.99	629,514.98	32° 10' 52.794 N	104° 2' 53.941 W
15,016.0	89.30	0.60	9,692.7	5,309.8	-435.7	429,914.96	629,517.14	32° 10' 53.734 N	104° 2' 53.913 W
15,112.0	88.70	0.90	9,694.4	5,405.7	-434.4	430,010.93	629,518.40	32° 10' 54.684 N	104° 2' 53.896 W
15,206.0	89.50	1.50	9,695.8	5,499.7	-432.4	430,104.90	629,520.36	32° 10' 55.614 N	104° 2' 53.870 W
15,302.0	94.50	2.30	9,692.5	5,595.6	-429.3	430,200.76	629,523.54	32° 10' 56.562 N	104° 2' 53.830 W
15,396.0	94.20	2.30	9,685.4	5,689.2	-425.5	430,294.41	629,527.30	32° 10' 57.489 N	104° 2' 53.783 W
15,492.0	93.60	2.20	9,678.8	5,784.9	-421.7	430,390.12	629,531.06	32° 10' 58.436 N	104° 2' 53.737 W
15,587.0	90.80	359.20	9,675.2	5,879.8	-420.6	430,485.02	629,532.22	32° 10' 59.375 N	104° 2' 53.720 W
15,682.0	90.80	2.10	9,673.9	5,974.8	-419.5	430,579.99	629,533.30	32° 11' 0.315 N	104° 2' 53.705 W
15,777.0	87.60	2.10	9,675.2	6,069.7	-416.0	430,674.91	629,536.78	32° 11' 1.254 N	104° 2' 53.661 W
15,871.0	89.70	1.60	9,677.4	6,163.6	-413.0	430,768.83	629,539.81	32° 11' 2.183 N	104° 2' 53.623 W
15,966.0	91.40	358.60	9,676.5	6,258.6	-412.8	430,863.81	629,539.98	32° 11' 3.123 N	104° 2' 53.618 W
16,061.0	89.80	353.10	9,675.5	6,353.3	-419.7	430,958.51	629,533.11	32° 11' 4.061 N	104° 2' 53.695 W
16,157.0	90.10	349.90	9,675.6	6,448.2	-433.9	431,053.45	629,518.92	32° 11' 5.001 N	104° 2' 53.858 W
16,252.0	91.20	348.40	9,674.5	6,541.5	-451.8	431,146.74	629,501.04	32° 11' 5.924 N	104° 2' 54.063 W
16,347.0	89.50	349.60	9,673.9	6,634.8	-469.9	431,239.99	629,482.91	32° 11' 6.847 N	104° 2' 54.271 W
16,441.0	90.20	349.50	9,674.2	6,727.2	-486.9	431,332.43	629,465.86	32° 11' 7.763 N	104° 2' 54.466 W
16,504.0	91.00	353.40	9,673.5	6,789.5	-496.3	431,394.71	629,456.50	32° 11' 8.379 N	104° 2' 54.573 W
16,534.0	90.40	353.00	9,673.1	6,819.3	-499.9	431,424.50	629,452.95	32° 11' 8.674 N	104° 2' 54.614 W
16,585.0	93.70	357.00	9,671.3	6,870.1	-504.3	431,475.25	629,448.51	32° 11' 9.177 N	104° 2' 54.664 W
16,632.0	95.00	0.40	9,667.8	6,916.9	-505.4	431,522.10	629,447.44	32° 11' 9.640 N	104° 2' 54.675 W
16,726.0	91.60	8.80	9,662.3	7,010.3	-497.8	431,615.54	629,454.97	32° 11' 10.565 N	104° 2' 54.584 W
16,821.0	88.60	10.50	9,662.2	7,104.0	-481.9	431,709.18	629,470.89	32° 11' 11.491 N	104° 2' 54.396 W
16,916.0	90.80	11.20	9,662.7	7,197.3	-464.0	431,802.48	629,488.77	32° 11' 12.414 N	104° 2' 54.185 W
17,010.0	88.50	9.80	9,663.2	7,289.7	-446.9	431,894.89	629,505.90	32° 11' 13.328 N	104° 2' 53.983 W
17,106.0	89.80	10.00	9,664.7	7,384.2	-430.4	431,989.45	629,522.41	32° 11' 14.263 N	104° 2' 53.788 W
17,143.0	92.10	11.80	9,664.0	7,420.6	-423.4	432,025.77	629,529.40	32° 11' 14.622 N	104° 2' 53.706 W
17,195.0	92.10	11.80	9,662.1	7,471.4	-412.8	432,076.64	629,540.03	32° 11' 15.126 N	104° 2' 53.580 W

17195.0' MD Projected to Bit - New PBHL Fleetwood 36/25 W0ML 3H - PBHL Fleetwood 36/25 W0ML St Com 3H

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
400.0	399.4	9.5	13.9	400.0' MD Phoenix Gyro Survey
17,195.0	9,662.1	7,471.4	-412.8	17195.0' MD Projected to Bit

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fleetwood 36/25 W0ML St Com 3H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	2944 + 27 @ 2971.0usft (Patterson 562)
Site:	Section 36/25-24S-28E Fleetwood 36/25 W0ML St Com	MD Reference:	2944 + 27 @ 2971.0usft (Patterson 562)
Well:	Fleetwood 36/25 W0ML St Com 3H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
13,685.0	90.60	359.70	9,699.2	3,979.4	-418.0	428,584.57	629,534.80	32° 10' 40.568 N	104° 2' 53.749 W
13,780.0	91.30	0.00	9,697.6	4,074.4	-418.3	428,679.55	629,534.55	32° 10' 41.508 N	104° 2' 53.749 W
13,875.0	91.10	1.40	9,695.6	4,169.3	-417.1	428,774.52	629,535.71	32° 10' 42.448 N	104° 2' 53.732 W
13,970.0	87.70	359.90	9,696.6	4,264.3	-416.0	428,869.49	629,536.79	32° 10' 43.388 N	104° 2' 53.717 W
14,065.0	88.90	359.40	9,699.5	4,359.2	-416.6	428,964.45	629,536.21	32° 10' 44.327 N	104° 2' 53.721 W
14,162.0	89.70	359.10	9,700.6	4,456.2	-417.9	429,061.43	629,534.94	32° 10' 45.287 N	104° 2' 53.733 W
14,256.0	91.70	358.90	9,699.5	4,550.2	-419.5	429,155.41	629,533.30	32° 10' 46.217 N	104° 2' 53.749 W
14,351.0	91.20	358.30	9,697.1	4,645.1	-421.8	429,250.35	629,530.98	32° 10' 47.157 N	104° 2' 53.773 W
14,446.0	90.70	358.70	9,695.5	4,740.1	-424.3	429,345.30	629,528.49	32° 10' 48.096 N	104° 2' 53.799 W
14,541.0	89.10	356.90	9,695.7	4,835.0	-428.0	429,440.22	629,524.85	32° 10' 49.036 N	104° 2' 53.838 W
14,636.0	91.40	357.70	9,695.3	4,929.9	-432.4	429,535.11	629,520.37	32° 10' 49.975 N	104° 2' 53.887 W
14,731.0	90.80	359.10	9,693.4	5,024.9	-435.1	429,630.05	629,517.72	32° 10' 50.915 N	104° 2' 53.915 W
14,826.0	89.40	357.80	9,693.3	5,119.8	-437.7	429,725.01	629,515.15	32° 10' 51.854 N	104° 2' 53.942 W
14,921.0	91.00	2.00	9,692.9	5,214.8	-437.8	429,819.99	629,514.98	32° 10' 52.794 N	104° 2' 53.941 W
15,016.0	89.30	0.60	9,692.7	5,309.8	-435.7	429,914.96	629,517.14	32° 10' 53.734 N	104° 2' 53.913 W
15,112.0	88.70	0.90	9,694.4	5,405.7	-434.4	430,010.93	629,518.40	32° 10' 54.684 N	104° 2' 53.896 W
15,206.0	89.50	1.50	9,695.8	5,499.7	-432.4	430,104.90	629,520.36	32° 10' 55.614 N	104° 2' 53.870 W
15,302.0	94.50	2.30	9,692.5	5,595.6	-429.3	430,200.76	629,523.54	32° 10' 56.562 N	104° 2' 53.830 W
15,396.0	94.20	2.30	9,685.4	5,689.2	-425.5	430,294.41	629,527.30	32° 10' 57.489 N	104° 2' 53.783 W
15,492.0	93.60	2.20	9,678.8	5,784.9	-421.7	430,390.12	629,531.06	32° 10' 58.436 N	104° 2' 53.737 W
15,587.0	90.80	359.20	9,675.2	5,879.8	-420.6	430,485.02	629,532.22	32° 10' 59.375 N	104° 2' 53.720 W
15,682.0	90.80	2.10	9,673.9	5,974.8	-419.5	430,579.99	629,533.30	32° 11' 0.315 N	104° 2' 53.705 W
15,777.0	87.60	2.10	9,675.2	6,069.7	-416.0	430,674.91	629,536.78	32° 11' 1.254 N	104° 2' 53.661 W
15,871.0	89.70	1.60	9,677.4	6,163.6	-413.0	430,768.83	629,539.81	32° 11' 2.183 N	104° 2' 53.623 W
15,966.0	91.40	358.60	9,676.5	6,258.6	-412.8	430,863.81	629,539.98	32° 11' 3.123 N	104° 2' 53.618 W
16,061.0	89.80	353.10	9,675.5	6,353.3	-419.7	430,958.51	629,533.11	32° 11' 4.061 N	104° 2' 53.695 W
16,157.0	90.10	349.90	9,675.6	6,448.2	-433.9	431,053.45	629,518.92	32° 11' 5.001 N	104° 2' 53.858 W
16,252.0	91.20	348.40	9,674.5	6,541.5	-451.8	431,146.74	629,501.04	32° 11' 5.924 N	104° 2' 54.063 W
16,347.0	89.50	349.60	9,673.9	6,634.8	-469.9	431,239.99	629,482.91	32° 11' 6.847 N	104° 2' 54.271 W
16,441.0	90.20	349.50	9,674.2	6,727.2	-486.9	431,332.43	629,465.86	32° 11' 7.763 N	104° 2' 54.466 W
16,504.0	91.00	353.40	9,673.5	6,789.5	-496.3	431,394.71	629,456.50	32° 11' 8.379 N	104° 2' 54.573 W
16,534.0	90.40	353.00	9,673.1	6,819.3	-499.9	431,424.50	629,452.95	32° 11' 8.674 N	104° 2' 54.614 W
16,585.0	93.70	357.00	9,671.3	6,870.1	-504.3	431,475.25	629,448.51	32° 11' 9.177 N	104° 2' 54.664 W
16,632.0	95.00	0.40	9,667.8	6,916.9	-505.4	431,522.10	629,447.44	32° 11' 9.640 N	104° 2' 54.675 W
16,726.0	91.60	8.80	9,662.3	7,010.3	-497.8	431,615.54	629,454.97	32° 11' 10.565 N	104° 2' 54.584 W
16,821.0	88.60	10.50	9,662.2	7,104.0	-481.9	431,709.18	629,470.89	32° 11' 11.491 N	104° 2' 54.396 W
16,916.0	90.80	11.20	9,662.7	7,197.3	-464.0	431,802.48	629,488.77	32° 11' 12.414 N	104° 2' 54.185 W
17,010.0	88.50	9.80	9,663.2	7,289.7	-446.9	431,894.89	629,505.90	32° 11' 13.328 N	104° 2' 53.983 W
17,106.0	89.80	10.00	9,664.7	7,384.2	-430.4	431,989.45	629,522.41	32° 11' 14.263 N	104° 2' 53.788 W
17,143.0	92.10	11.80	9,664.0	7,420.6	-423.4	432,025.77	629,529.40	32° 11' 14.622 N	104° 2' 53.706 W
17,195.0	92.10	11.80	9,662.1	7,471.4	-412.8	432,076.64	629,540.03	32° 11' 15.126 N	104° 2' 53.580 W

17195.0' MD Projected to Bit - New PBHL Fleetwood 36/25 W0ML 3H - PBHL Fleetwood 36/25 W0ML St Com 3H

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
400.0	399.4	9.5	13.9	400.0' MD Phoenix Gyro Survey
17,195.0	9,662.1	7,471.4	-412.8	17195.0' MD Projected to Bit