



44965

Mewbourne Oil Company

Eddy County, N.M. Nad (83)

Section 36-24-24S-28E Fleetwood 36-25 W0NK St Com

Fleetwood 36-25 W0NK St Com 1H

Original Hole

Design: Original Hole

Survey Report - Geographic

27 December, 2018



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fleetwood 36-25 W0NK St Com 1H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	2945 + 27 @ 2972.0usft (Patterson 562)
Site:	Section 36-24-24S-28E Fleetwood 36-25 W0NK St Com	MD Reference:	2945 + 27 @ 2972.0usft (Patterson 562)
Well:	Fleetwood 36-25 W0NK 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 36-24-24S-28E Fleetwood 36-25 W0NK St Com				
Site Position:		Northing:	424,689.50 usft	Latitude:	32° 10' 1.985 N
From:	Map	Easting:	630,951.80 usft	Longitude:	104° 2' 37.383 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.15 °

Well	Fleetwood 36-25 W0NK St Com 1H				
Well Position	+N/-S	0.0 usft	Northing:	424,689.50 usft	Latitude: 32° 10' 1.985 N
	+E/-W	0.0 usft	Easting:	630,951.80 usft	Longitude: 104° 2' 37.383 W
Position Uncertainty	0.0 usft		Wellhead Elevation:	27.0 usft	Ground Level: 2,945.0 usft

Wellbore	Original Hole				
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	09/21/18	7.03	59.92	47,727.96344773

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	177.53

Survey Program	Date 12/27/18				
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
402.0	17,020.0	MWD Survey #1 (Original Hole)	MWD	MWD v3:standard declination	

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
402.0	0.82	192.80	402.0	-3.9	0.2	424,685.56	630,951.97	32° 10' 1.946 N	104° 2' 37.381 W
Phoenix Gryo Survey									
570.0	1.10	141.40	569.9	-6.4	0.9	424,683.13	630,952.71	32° 10' 1.922 N	104° 2' 37.373 W
755.0	3.10	88.00	754.8	-7.6	7.0	424,681.91	630,958.82	32° 10' 1.910 N	104° 2' 37.302 W
949.0	0.90	351.40	948.7	-5.9	12.0	424,683.60	630,963.84	32° 10' 1.926 N	104° 2' 37.243 W
1,140.0	0.90	327.60	1,139.7	-3.1	11.0	424,686.35	630,962.81	32° 10' 1.954 N	104° 2' 37.255 W
1,330.0	0.20	263.50	1,329.7	-1.9	9.9	424,687.58	630,961.68	32° 10' 1.966 N	104° 2' 37.268 W
1,520.0	0.40	254.10	1,519.7	-2.1	8.9	424,687.36	630,960.71	32° 10' 1.964 N	104° 2' 37.279 W
1,711.0	0.70	270.60	1,710.7	-2.3	7.1	424,687.19	630,958.91	32° 10' 1.962 N	104° 2' 37.300 W
1,901.0	0.30	317.60	1,900.7	-1.9	5.6	424,687.57	630,957.41	32° 10' 1.966 N	104° 2' 37.318 W
2,091.0	0.80	84.90	2,090.7	-1.4	6.6	424,688.05	630,958.40	32° 10' 1.970 N	104° 2' 37.306 W

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fleetwood 36-25 W0NK St Com 1H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	2945 + 27 @ 2972.0usft (Patterson 562)
Site:	Section 36-24-24S-28E Fleetwood 36-25 W0NK St Com	MD Reference:	2945 + 27 @ 2972.0usft (Patterson 562)
Well:	Fleetwood 36-25 W0NK St Com 1H	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
2,281.0	1.40	87.90	2,280.6	-1.2	10.2	424,688.25	630,962.04	32° 10' 1.972 N	104° 2' 37.264 W
2,472.0	2.20	94.30	2,471.5	-1.4	16.2	424,688.06	630,968.02	32° 10' 1.970 N	104° 2' 37.194 W
2,568.0	1.80	98.80	2,567.5	-1.8	19.5	424,687.70	630,971.35	32° 10' 1.967 N	104° 2' 37.156 W
2,693.0	1.60	96.50	2,692.4	-2.3	23.2	424,687.20	630,975.03	32° 10' 1.962 N	104° 2' 37.113 W
2,883.0	4.60	107.10	2,882.1	-4.8	33.1	424,684.66	630,984.94	32° 10' 1.936 N	104° 2' 36.998 W
3,074.0	4.60	105.00	3,072.5	-9.1	47.9	424,680.42	630,998.66	32° 10' 1.894 N	104° 2' 36.826 W
3,263.0	4.40	101.50	3,260.9	-12.5	62.3	424,677.02	631,014.09	32° 10' 1.860 N	104° 2' 36.659 W
3,454.0	4.00	99.60	3,451.4	-15.1	76.0	424,674.44	631,027.84	32° 10' 1.834 N	104° 2' 36.499 W
3,644.0	5.10	100.40	3,640.8	-17.7	90.9	424,671.81	631,042.68	32° 10' 1.808 N	104° 2' 36.326 W
3,834.0	6.80	111.30	3,829.8	-23.3	109.7	424,666.20	631,061.47	32° 10' 1.751 N	104° 2' 36.108 W
4,024.0	6.60	110.40	4,018.5	-31.2	130.4	424,658.31	631,082.18	32° 10' 1.673 N	104° 2' 35.867 W
4,214.0	5.80	110.20	4,207.4	-38.3	149.6	424,651.19	631,101.42	32° 10' 1.602 N	104° 2' 35.643 W
4,405.0	5.90	112.00	4,397.4	-45.3	167.8	424,644.18	631,119.58	32° 10' 1.532 N	104° 2' 35.432 W
4,596.0	6.10	102.10	4,587.3	-51.1	186.8	424,638.37	631,138.61	32° 10' 1.474 N	104° 2' 35.211 W
4,786.0	5.60	102.50	4,776.4	-55.2	205.7	424,634.25	631,157.53	32° 10' 1.433 N	104° 2' 34.991 W
4,977.0	5.10	101.50	4,966.5	-59.0	223.1	424,630.54	631,174.95	32° 10' 1.396 N	104° 2' 34.789 W
5,167.0	4.10	101.50	5,155.9	-62.0	238.1	424,627.50	631,189.88	32° 10' 1.365 N	104° 2' 34.615 W
5,358.0	4.00	102.00	5,346.4	-64.7	251.3	424,624.76	631,203.09	32° 10' 1.338 N	104° 2' 34.462 W
5,548.0	3.60	100.60	5,536.0	-67.2	263.6	424,622.28	631,215.43	32° 10' 1.313 N	104° 2' 34.318 W
5,739.0	3.50	104.10	5,726.6	-69.7	275.2	424,619.76	631,226.98	32° 10' 1.287 N	104° 2' 34.184 W
5,928.0	3.40	101.30	5,915.3	-72.2	286.3	424,617.26	631,238.07	32° 10' 1.262 N	104° 2' 34.055 W
6,118.0	4.70	96.40	6,104.8	-74.2	299.5	424,615.28	631,251.33	32° 10' 1.243 N	104° 2' 33.901 W
6,308.0	4.50	97.80	6,294.2	-76.1	314.6	424,613.41	631,266.45	32° 10' 1.224 N	104° 2' 33.725 W
6,498.0	4.70	98.30	6,483.6	-78.2	329.7	424,611.27	631,281.54	32° 10' 1.202 N	104° 2' 33.549 W
6,687.0	4.80	112.60	6,672.0	-82.4	344.7	424,607.11	631,296.50	32° 10' 1.160 N	104° 2' 33.375 W
6,874.0	3.50	119.60	6,858.5	-88.2	356.9	424,601.29	631,308.69	32° 10' 1.102 N	104° 2' 33.234 W
7,065.0	0.80	91.50	7,049.3	-91.1	363.3	424,598.37	631,315.09	32° 10' 1.073 N	104° 2' 33.159 W
7,256.0	2.50	86.60	7,240.2	-90.9	368.8	424,598.58	631,320.59	32° 10' 1.075 N	104° 2' 33.095 W
7,444.0	4.30	97.90	7,427.9	-91.6	379.9	424,597.86	631,331.66	32° 10' 1.068 N	104° 2' 32.966 W
7,633.0	2.80	90.10	7,616.5	-92.6	391.5	424,596.88	631,343.30	32° 10' 1.058 N	104° 2' 32.831 W
7,822.0	2.90	124.00	7,805.3	-95.3	400.1	424,594.19	631,351.88	32° 10' 1.031 N	104° 2' 32.731 W
8,013.0	3.60	110.60	7,996.0	-100.1	409.7	424,589.38	631,361.49	32° 10' 0.983 N	104° 2' 32.620 W
8,203.0	4.30	109.20	8,185.5	-104.6	422.0	424,584.94	631,373.81	32° 10' 0.939 N	104° 2' 32.477 W
8,393.0	4.30	110.80	8,375.0	-109.4	435.4	424,580.07	631,387.19	32° 10' 0.890 N	104° 2' 32.321 W
8,583.0	2.00	205.10	8,564.8	-115.0	440.6	424,574.53	631,392.45	32° 10' 0.835 N	104° 2' 32.260 W
8,774.0	1.10	324.70	8,755.8	-116.5	438.2	424,573.01	631,389.97	32° 10' 0.820 N	104° 2' 32.289 W
8,964.0	0.50	230.20	8,945.8	-115.5	436.5	424,573.97	631,388.28	32° 10' 0.830 N	104° 2' 32.308 W
9,118.2	0.98	214.71	9,099.9	-117.0	435.2	424,572.46	631,387.02	32° 10' 0.815 N	104° 2' 32.323 W
B.B. Fleetwood 36-25 W0NK St Com 1H									
9,156.0	1.10	213.00	9,137.7	-117.6	434.8	424,571.89	631,386.63	32° 10' 0.809 N	104° 2' 32.328 W
9,180.0	1.00	207.50	9,161.7	-118.0	434.6	424,571.51	631,386.41	32° 10' 0.806 N	104° 2' 32.330 W
9,249.0	2.10	336.30	9,230.7	-117.4	433.8	424,572.13	631,385.63	32° 10' 0.812 N	104° 2' 32.339 W
9,280.0	6.30	349.80	9,261.6	-115.2	433.3	424,574.33	631,385.10	32° 10' 0.834 N	104° 2' 32.346 W
9,312.0	10.20	359.80	9,293.3	-110.6	433.0	424,578.89	631,384.78	32° 10' 0.879 N	104° 2' 32.349 W
9,343.0	13.60	4.20	9,323.6	-104.2	433.2	424,585.27	631,385.03	32° 10' 0.942 N	104° 2' 32.346 W
9,375.0	15.80	2.90	9,354.6	-96.1	433.7	424,593.38	631,385.53	32° 10' 1.022 N	104° 2' 32.340 W
9,407.0	21.00	2.00	9,384.9	-86.0	434.1	424,603.47	631,385.95	32° 10' 1.122 N	104° 2' 32.335 W
9,439.0	26.00	2.10	9,414.3	-73.3	434.6	424,616.21	631,386.41	32° 10' 1.248 N	104° 2' 32.329 W
9,471.0	30.50	3.70	9,442.4	-58.2	435.4	424,631.33	631,387.19	32° 10' 1.398 N	104° 2' 32.319 W
9,503.0	34.30	5.80	9,469.5	-41.1	436.8	424,648.41	631,388.62	32° 10' 1.567 N	104° 2' 32.302 W
9,535.0	38.20	7.30	9,495.3	-22.3	439.0	424,667.21	631,390.79	32° 10' 1.753 N	104° 2' 32.276 W
9,566.0	41.40	6.70	9,519.1	-2.6	441.4	424,686.90	631,393.21	32° 10' 1.947 N	104° 2' 32.248 W
9,598.0	45.80	5.40	9,542.2	19.3	443.7	424,708.84	631,395.52	32° 10' 2.164 N	104° 2' 32.220 W
9,629.0	48.30	3.00	9,563.4	42.0	445.4	424,731.46	631,397.18	32° 10' 2.388 N	104° 2' 32.200 W

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Site:	Section 36-24-24S-28E Fleetwood 36-25 W0NK St Com	MD Reference:	2945 + 27 @ 2972.0usft (Patterson 562)
Well:	Fleetwood 36-25 W0NK St Com 1H	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
9,660.0	50.10	1.50	9,583.6	65.4	446.3	424,754.91	631,398.09	32° 10' 2.620 N	104° 2' 32.189 W
9,692.0	53.80	0.70	9,603.3	90.6	446.8	424,780.10	631,398.57	32° 10' 2.870 N	104° 2' 32.182 W
9,724.0	56.90	359.70	9,621.5	116.9	446.9	424,806.42	631,398.66	32° 10' 3.130 N	104° 2' 32.180 W
9,756.0	59.20	358.20	9,638.5	144.1	446.4	424,833.57	631,398.16	32° 10' 3.399 N	104° 2' 32.185 W
9,788.0	61.80	356.90	9,654.2	171.9	445.2	424,861.39	631,398.96	32° 10' 3.674 N	104° 2' 32.198 W
9,820.0	64.80	356.10	9,668.6	200.4	443.4	424,889.92	631,395.21	32° 10' 3.956 N	104° 2' 32.218 W
9,852.0	68.30	356.00	9,681.3	229.7	441.4	424,919.20	631,393.19	32° 10' 4.246 N	104° 2' 32.240 W
9,883.0	72.00	356.20	9,691.9	258.8	439.4	424,948.29	631,391.21	32° 10' 4.534 N	104° 2' 32.263 W
9,915.0	75.80	356.90	9,700.7	289.5	437.6	424,978.97	631,389.36	32° 10' 4.838 N	104° 2' 32.283 W
9,947.0	78.60	357.50	9,707.8	320.6	436.0	425,010.14	631,387.84	32° 10' 5.146 N	104° 2' 32.300 W
9,970.0	80.60	358.20	9,712.0	343.2	435.2	425,032.74	631,386.99	32° 10' 5.370 N	104° 2' 32.309 W
10,020.0	83.80	0.20	9,718.8	392.8	434.5	425,082.26	631,386.30	32° 10' 5.860 N	104° 2' 32.316 W
10,084.0	87.80	0.50	9,723.4	456.6	434.9	425,146.08	631,386.69	32° 10' 6.492 N	104° 2' 32.309 W
10,104.6	88.47	0.67	9,724.1	477.2	435.1	425,166.67	631,386.90	32° 10' 6.695 N	104° 2' 32.306 W
LP Fleetwood 36-25 W0NK St Com 1H									
10,180.0	90.90	1.30	9,724.5	552.5	436.4	425,242.05	631,388.20	32° 10' 7.441 N	104° 2' 32.288 W
10,275.0	89.80	0.60	9,723.9	647.5	438.0	425,337.03	631,389.78	32° 10' 8.381 N	104° 2' 32.267 W
10,371.0	91.50	2.80	9,722.9	743.5	440.8	425,432.97	631,392.62	32° 10' 9.331 N	104° 2' 32.231 W
10,466.0	87.10	359.10	9,724.0	838.4	442.4	425,527.91	631,394.20	32° 10' 10.270 N	104° 2' 32.210 W
10,561.0	86.30	359.30	9,729.5	933.2	441.1	425,622.75	631,392.87	32° 10' 11.209 N	104° 2' 32.222 W
10,656.0	87.10	359.10	9,735.0	1,028.1	439.7	425,717.58	631,391.55	32° 10' 12.147 N	104° 2' 32.234 W
10,751.0	91.30	0.80	9,736.3	1,123.0	439.7	425,812.54	631,391.47	32° 10' 13.087 N	104° 2' 32.232 W
10,846.0	90.30	359.90	9,735.0	1,218.0	440.2	425,907.53	631,392.05	32° 10' 14.027 N	104° 2' 32.223 W
10,940.0	93.90	359.30	9,731.5	1,311.9	439.6	426,001.45	631,391.39	32° 10' 14.956 N	104° 2' 32.227 W
11,035.0	94.20	359.20	9,724.8	1,406.7	438.3	426,096.20	631,390.15	32° 10' 15.894 N	104° 2' 32.239 W
11,130.0	90.40	359.30	9,721.0	1,501.6	437.1	426,191.10	631,388.91	32° 10' 16.833 N	104° 2' 32.250 W
11,226.0	90.20	359.30	9,720.5	1,597.6	435.9	426,287.09	631,387.74	32° 10' 17.783 N	104° 2' 32.261 W
11,321.0	87.50	357.90	9,722.4	1,692.5	433.6	426,382.03	631,385.42	32° 10' 18.723 N	104° 2' 32.285 W
11,416.0	93.90	0.60	9,721.2	1,787.5	432.4	426,476.96	631,384.17	32° 10' 19.662 N	104° 2' 32.296 W
11,511.0	88.50	359.40	9,719.2	1,882.4	432.4	426,571.90	631,384.17	32° 10' 20.602 N	104° 2' 32.293 W
11,606.0	88.40	359.10	9,721.8	1,977.4	431.1	426,666.86	631,382.93	32° 10' 21.541 N	104° 2' 32.305 W
11,701.0	90.00	355.20	9,723.1	2,072.2	426.4	426,761.71	631,378.21	32° 10' 22.480 N	104° 2' 32.357 W
11,797.0	93.00	354.90	9,720.6	2,167.8	418.1	426,857.31	631,369.93	32° 10' 23.426 N	104° 2' 32.450 W
11,892.0	90.60	354.40	9,717.6	2,262.3	409.3	426,951.84	631,361.07	32° 10' 24.362 N	104° 2' 32.550 W
11,987.0	88.20	358.70	9,718.6	2,357.1	403.6	427,046.64	631,355.36	32° 10' 25.300 N	104° 2' 32.614 W
12,082.0	90.00	1.40	9,720.1	2,452.1	403.6	427,141.61	631,355.44	32° 10' 26.240 N	104° 2' 32.610 W
12,176.0	90.40	1.50	9,719.8	2,546.1	406.0	427,235.58	631,357.82	32° 10' 27.170 N	104° 2' 32.579 W
12,270.0	93.90	4.50	9,716.3	2,639.9	410.9	427,329.36	631,362.73	32° 10' 28.098 N	104° 2' 32.519 W
12,365.0	90.30	3.90	9,712.8	2,734.5	417.9	427,424.03	631,369.68	32° 10' 29.035 N	104° 2' 32.435 W
12,460.0	88.50	3.70	9,713.8	2,829.3	424.2	427,518.81	631,375.98	32° 10' 29.973 N	104° 2' 32.359 W
12,555.0	92.60	3.60	9,712.9	2,924.1	430.2	427,613.59	631,382.03	32° 10' 30.910 N	104° 2' 32.286 W
12,650.0	89.30	1.90	9,711.3	3,019.0	434.8	427,708.45	631,386.58	32° 10' 31.849 N	104° 2' 32.230 W
12,745.0	90.60	2.00	9,711.4	3,113.9	438.0	427,803.39	631,389.81	32° 10' 32.788 N	104° 2' 32.189 W
12,841.0	90.60	358.30	9,710.4	3,209.9	438.3	427,899.37	631,390.07	32° 10' 33.738 N	104° 2' 32.183 W
12,936.0	88.40	354.00	9,711.2	3,304.6	431.9	427,994.13	631,383.69	32° 10' 34.676 N	104° 2' 32.254 W
13,031.0	92.10	356.10	9,710.8	3,399.2	423.7	428,088.75	631,375.49	32° 10' 35.613 N	104° 2' 32.347 W
13,126.0	91.50	353.10	9,707.8	3,493.8	414.8	428,183.27	631,366.56	32° 10' 36.548 N	104° 2' 32.448 W
13,221.0	89.80	355.70	9,706.7	3,588.3	405.5	428,277.80	631,357.29	32° 10' 37.484 N	104° 2' 32.553 W
13,315.0	89.10	0.50	9,707.6	3,682.2	402.4	428,371.71	631,354.17	32° 10' 38.413 N	104° 2' 32.586 W
13,410.0	91.80	0.80	9,706.9	3,777.2	403.4	428,466.70	631,355.25	32° 10' 39.353 N	104° 2' 32.570 W
13,505.0	91.30	4.30	9,704.3	3,872.1	407.7	428,561.55	631,359.48	32° 10' 40.292 N	104° 2' 32.518 W
13,600.0	88.70	3.60	9,704.3	3,966.8	414.2	428,656.32	631,366.02	32° 10' 41.230 N	104° 2' 32.439 W
13,695.0	92.70	7.50	9,703.2	4,061.3	423.4	428,750.83	631,375.20	32° 10' 42.165 N	104° 2' 32.329 W
13,790.0	89.50	9.90	9,701.3	4,155.2	437.8	428,844.70	631,389.57	32° 10' 43.093 N	104° 2' 32.159 W

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fleetwood 36-25 W0NK St Com 1H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	2945 + 27 @ 2972.0usft (Patterson 562)
Site:	Section 36-24-24S-28E Fleetwood 36-25 W0NK St Com	MD Reference:	2945 + 27 @ 2972.0usft (Patterson 562)
Well:	Fleetwood 36-25 W0NK St Com 1H	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
13,885.0	89.80	15.10	9,701.9	4,247.9	458.3	428,937.41	631,410.12	32° 10' 44.010 N	104° 2' 31.917 W
13,981.0	88.20	9.10	9,703.6	4,341.7	478.4	429,031.22	631,430.23	32° 10' 44.938 N	104° 2' 31.680 W
14,076.0	89.70	1.20	9,705.3	4,436.2	486.9	429,125.74	631,438.75	32° 10' 45.873 N	104° 2' 31.578 W
14,171.0	89.40	357.30	9,706.1	4,531.2	485.7	429,220.71	631,437.51	32° 10' 46.813 N	104° 2' 31.589 W
14,266.0	96.50	358.30	9,701.2	4,626.0	482.1	429,315.46	631,433.87	32° 10' 47.751 N	104° 2' 31.629 W
14,361.0	93.60	356.80	9,692.8	4,720.5	478.0	429,409.99	631,429.82	32° 10' 48.686 N	104° 2' 31.673 W
14,456.0	91.30	357.70	9,688.8	4,815.3	473.5	429,504.78	631,425.27	32° 10' 49.624 N	104° 2' 31.723 W
14,552.0	90.20	356.90	9,687.5	4,911.2	468.9	429,600.67	631,420.74	32° 10' 50.573 N	104° 2' 31.773 W
14,646.0	89.50	356.60	9,687.8	5,005.0	463.6	429,694.52	631,415.42	32° 10' 51.502 N	104° 2' 31.832 W
14,741.0	91.60	358.50	9,686.9	5,099.9	459.6	429,789.41	631,411.35	32° 10' 52.442 N	104° 2' 31.876 W
14,836.0	90.60	358.00	9,685.0	5,194.9	456.6	429,884.35	631,408.45	32° 10' 53.381 N	104° 2' 31.907 W
14,931.0	89.50	357.70	9,684.9	5,289.8	453.1	429,979.28	631,404.89	32° 10' 54.321 N	104° 2' 31.945 W
15,026.0	91.00	358.50	9,684.5	5,384.7	449.9	430,074.23	631,401.74	32° 10' 55.280 N	104° 2' 31.979 W
15,120.0	89.70	358.40	9,684.0	5,478.7	447.4	430,168.19	631,399.20	32° 10' 56.190 N	104° 2' 32.005 W
15,215.0	89.50	358.40	9,684.6	5,573.6	444.7	430,263.15	631,396.55	32° 10' 57.130 N	104° 2' 32.033 W
15,310.0	90.70	359.30	9,684.5	5,668.6	442.8	430,358.13	631,394.64	32° 10' 58.070 N	104° 2' 32.052 W
15,405.0	89.30	359.10	9,684.5	5,763.6	441.5	430,453.11	631,393.31	32° 10' 59.010 N	104° 2' 32.065 W
15,500.0	91.00	359.90	9,684.2	5,858.6	440.7	430,548.11	631,392.48	32° 10' 59.950 N	104° 2' 32.072 W
15,594.0	89.70	358.50	9,683.6	5,952.6	439.4	430,642.09	631,391.17	32° 11' 0.880 N	104° 2' 32.084 W
15,689.0	88.60	358.10	9,685.0	6,047.5	436.5	430,737.04	631,388.35	32° 11' 1.820 N	104° 2' 32.114 W
15,784.0	88.30	358.30	9,687.6	6,142.5	433.6	430,831.96	631,385.37	32° 11' 2.759 N	104° 2' 32.145 W
15,879.0	90.00	358.80	9,689.0	6,237.4	431.2	430,926.91	631,382.97	32° 11' 3.699 N	104° 2' 32.170 W
15,974.0	90.40	359.10	9,688.7	6,332.4	429.4	431,021.89	631,381.23	32° 11' 4.639 N	104° 2' 32.188 W
16,070.0	90.30	358.80	9,688.1	6,428.4	427.7	431,117.88	631,379.47	32° 11' 5.589 N	104° 2' 32.205 W
16,165.0	90.20	358.40	9,687.7	6,523.3	425.3	431,212.85	631,377.15	32° 11' 6.529 N	104° 2' 32.229 W
16,260.0	89.90	358.40	9,687.6	6,618.3	422.7	431,307.81	631,374.49	32° 11' 7.469 N	104° 2' 32.257 W
16,355.0	89.90	357.80	9,687.8	6,713.3	419.5	431,402.76	631,371.34	32° 11' 8.408 N	104° 2' 32.291 W
16,449.0	90.60	357.70	9,687.4	6,807.2	415.8	431,496.68	631,367.65	32° 11' 9.338 N	104° 2' 32.331 W
16,544.0	90.30	357.80	9,686.6	6,902.1	412.1	431,591.61	631,363.92	32° 11' 10.277 N	104° 2' 32.371 W
16,639.0	89.00	357.20	9,687.2	6,997.0	408.0	431,686.51	631,359.78	32° 11' 11.217 N	104° 2' 32.416 W
16,734.0	88.70	357.20	9,689.1	7,091.9	403.3	431,781.38	631,355.14	32° 11' 12.155 N	104° 2' 32.467 W
16,829.0	92.00	359.20	9,688.5	7,186.8	400.4	431,876.31	631,352.16	32° 11' 13.095 N	104° 2' 32.499 W
16,924.0	89.00	358.40	9,687.7	7,281.8	398.4	431,971.28	631,350.17	32° 11' 14.035 N	104° 2' 32.519 W
16,975.0	88.60	358.30	9,688.8	7,332.7	396.9	432,022.24	631,348.70	32° 11' 14.539 N	104° 2' 32.535 W
17,020.0	88.60	358.30	9,689.9	7,377.7	395.6	432,067.21	631,347.36	32° 11' 14.984 N	104° 2' 32.549 W

17020.0' MD Projected to Bit - PBHL Fleetwood 36-24 W0NK St Com 1H

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
402.0	402.0	-3.9	0.2	Phoenix Gryo Survey
17,020.0	9,689.9	7,377.7	395.6	17020.0' MD Projected to Bit

DIRECTIONAL

January 24, 2019

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

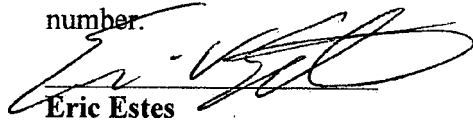
Attn: Jackie Lathan

Re: Mewbourne Oil Company
Fleetwood 36 25 W0NK State Com #001H
Purple Sage; Wolfcamp
Eddy County, New Mexico
API# 30-015-44965

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>
Cody Hash	Original Hole	570ft. to 16,975ft.	12-03-18 to 12-22-18	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 W0NK State Com #1HM181140

STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.
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Montgomery, TX 77356
Office (936) 582-7296 * Fax (936)-588-4163