



Mewbourne Oil Company

Eddy County, N.M. Nad (83)

Section 24_25-26S-30E Lindale 24_25 W1AH Fed 2H

Lindale 24_25 W1AH Fed 2H

30.015-44714

Original Hole

Design: Original Hole

Standard Survey Report

09 May, 2018

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DISTRICT II-ARTESIA O.C.D.





Microsoft Survey Report



Company: Mewbourne Oil Company
Project: Eddy County, N.M. Nad (83)
Site: Section 24_25-26S-30E Lindale 24_25 W1AH Fed 2H
Well: Lindale 24_25 W1AH Fed 2H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Lindale 24_25 W1AH Fed 2H
TVD Reference: 3182 + 27 @ 3209.0usft (Patterson 245)
MD Reference: 3182 + 27 @ 3209.0usft (Patterson 245)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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 24_25-26S-30E Lindale 24_25 W1AH Fed 2H			
Site Position:		Northing:	376,775.70 usft	Latitude: 32° 2' 5.373 N
From: Map		Easting:	698,204.40 usft	Longitude: 103° 49' 37.571 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.27 °

Well	Lindale 24_25 W1AH Fed 2H			
Well Position	+N/-S	0.0 usft	Northing:	376,775.70 usft
	+E/-W	0.0 usft	Easting:	698,204.40 usft
Position Uncertainty	0.0 usft		Wellhead Elevation:	27.0 usft
			Ground Level:	3,182.0 usft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	2/26/2018	6.98	59.84	47,728.90539896

Design	Original Hole				
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	142.51	

Survey Program	Date 5/9/2018			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
210.0	895.0	Rig Survey (Original Hole)	MWD	MWD v3:standard declination
1,045.0	18,820.0	MWD Survey (Original Hole)	MWD	MWD v3:standard declination

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
210.0	0.00	76.80	210.0	0.0	0.0	0.0	0.00	0.00	0.00
270.0	0.70	349.50	270.0	0.4	-0.1	-0.3	1.17	1.17	0.00
389.0	0.50	352.10	389.0	1.6	-0.3	-1.4	0.17	-0.17	2.18
450.0	0.90	6.10	450.0	2.3	-0.3	-2.0	0.71	0.66	22.95
512.0	1.00	358.00	512.0	3.4	-0.2	-2.8	0.27	0.16	-13.06
575.0	1.10	21.90	575.0	4.5	0.0	-3.6	0.71	0.16	37.94
637.0	1.10	44.10	637.0	5.4	0.6	-3.9	0.68	0.00	35.81
699.0	1.10	14.20	698.9	6.4	1.2	-4.4	0.92	0.00	-48.23

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Well:	Lindale 24_25 W1AH Fed 2H	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)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
767.0	1.40	44.10	766.9	7.7	1.9	-4.9	1.04	0.44	43.97
832.0	1.40	50.20	831.9	8.8	3.1	-5.1	0.23	0.00	9.38
895.0	1.40	61.10	894.9	9.6	4.3	-5.0	0.42	0.00	17.30
895.0' MD Teledrift Survey									
1,045.0	1.70	70.60	1,044.8	11.2	8.0	-4.0	0.26	0.20	6.33
1,109.0	1.10	100.80	1,108.8	11.4	9.5	-3.3	1.46	-0.94	47.19
1,172.0	0.70	137.50	1,171.8	11.0	10.4	-2.4	1.08	-0.63	58.25
1,235.0	0.70	135.60	1,234.8	10.5	10.9	-1.7	0.04	0.00	-3.02
1,299.0	0.80	134.20	1,298.8	9.9	11.5	-0.8	0.16	0.16	-2.19
1,362.0	1.00	135.60	1,361.8	9.2	12.2	0.1	0.32	0.32	2.22
1,426.0	1.10	187.90	1,425.8	8.2	12.5	1.1	1.45	0.16	81.72
1,489.0	1.60	222.20	1,488.8	6.9	11.9	1.7	1.47	0.79	54.44
1,552.0	1.80	225.40	1,551.7	5.6	10.6	2.0	0.35	0.32	5.08
1,616.0	1.10	233.50	1,615.7	4.5	9.4	2.1	1.14	-1.09	12.66
1,679.0	0.40	266.30	1,678.7	4.2	8.6	2.0	1.26	-1.11	52.06
1,743.0	0.50	253.00	1,742.7	4.1	8.2	1.7	0.22	0.16	-20.78
1,807.0	0.80	235.80	1,806.7	3.7	7.5	1.6	0.55	0.47	-26.88
1,904.0	1.00	220.80	1,903.7	2.7	6.4	1.8	0.32	0.21	-15.46
1,999.0	1.10	211.70	1,998.7	1.3	5.4	2.2	0.20	0.11	-9.58
2,094.0	0.90	205.20	2,093.7	-0.2	4.6	2.9	0.24	-0.21	-6.84
2,189.0	0.70	194.40	2,188.7	-1.4	4.1	3.6	0.26	-0.21	-11.37
2,285.0	0.20	58.00	2,284.7	-1.9	4.1	4.0	0.89	-0.52	-142.08
2,380.0	0.40	330.90	2,379.7	-1.5	4.1	3.7	0.46	0.21	-91.68
2,475.0	0.10	17.50	2,474.7	-1.1	4.0	3.3	0.36	-0.32	49.05
2,570.0	0.50	132.00	2,569.7	-1.3	4.3	3.7	0.58	0.42	120.53
2,666.0	1.10	145.20	2,665.6	-2.4	5.1	5.0	0.65	0.63	13.75
2,761.0	1.20	214.00	2,760.6	-3.9	5.1	6.2	1.37	0.11	72.42
2,856.0	0.60	311.70	2,855.6	-4.4	4.2	6.1	1.49	-0.63	102.84
2,951.0	0.10	35.30	2,950.6	-4.0	3.8	5.5	0.63	-0.53	88.00
3,045.0	0.60	149.90	3,044.6	-4.4	4.1	6.0	0.69	0.53	121.91
3,141.0	0.60	134.00	3,140.6	-5.2	4.8	7.0	0.17	0.00	-16.56
3,237.0	0.60	26.30	3,236.6	-5.1	5.3	7.3	1.01	0.00	-112.19
3,331.0	0.40	43.90	3,330.6	-4.4	5.8	7.0	0.27	-0.21	18.72
3,426.0	0.40	120.40	3,425.6	-4.3	6.3	7.3	0.52	0.00	80.53
3,521.0	1.00	249.60	3,520.6	-4.8	5.8	7.3	1.36	0.63	136.00
3,616.0	1.10	230.20	3,615.6	-5.7	4.3	7.1	0.39	0.11	-20.42
3,711.0	0.90	229.10	3,710.6	-6.7	3.1	7.2	0.21	-0.21	-1.16
3,735.0	1.00	230.10	3,734.6	-7.0	2.8	7.2	0.42	0.42	4.17
3,840.0	1.10	242.00	3,839.5	-8.0	1.2	7.1	0.23	0.10	11.33
3,935.0	0.80	294.60	3,934.5	-8.2	-0.2	6.4	0.93	-0.32	55.37
4,029.0	1.90	329.00	4,028.5	-6.6	-1.6	4.2	1.40	1.17	36.60
4,125.0	1.80	333.00	4,124.5	-3.9	-3.1	1.2	0.17	-0.10	4.17

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Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,220.0	2.40	333.00	4,219.4	-0.8	-4.7	-2.3	0.63	0.63	0.00
4,315.0	2.10	335.80	4,314.3	2.6	-6.3	-5.9	0.34	-0.32	2.95
4,412.0	2.20	333.30	4,411.3	5.9	-7.9	-9.5	0.14	0.10	-2.58
4,506.0	2.00	335.40	4,505.2	9.0	-9.4	-12.8	0.23	-0.21	2.23
4,602.0	2.00	331.70	4,601.1	12.0	-10.9	-16.1	0.13	0.00	-3.85
4,697.0	1.80	329.40	4,696.1	14.7	-12.4	-19.2	0.23	-0.21	-2.42
4,792.0	1.90	346.30	4,791.0	17.5	-13.6	-22.2	0.58	0.11	17.79
4,887.0	2.10	344.50	4,886.0	20.7	-14.4	-25.2	0.22	0.21	-1.89
4,982.0	2.00	341.50	4,980.9	24.0	-15.4	-28.4	0.15	-0.11	-3.16
5,077.0	2.20	6.80	5,075.8	27.4	-15.7	-31.3	0.99	0.21	26.63
5,173.0	2.30	3.60	5,171.8	31.1	-15.4	-34.0	0.17	0.10	-3.33
5,267.0	2.50	3.10	5,265.7	35.1	-15.1	-37.0	0.21	0.21	-0.53
5,362.0	2.40	359.90	5,360.6	39.1	-15.0	-40.2	0.18	-0.11	-3.37
5,457.0	2.20	358.30	5,455.5	42.9	-15.1	-43.2	0.22	-0.21	-1.68
5,552.0	2.00	353.70	5,550.5	46.4	-15.3	-46.1	0.28	-0.21	-4.84
5,648.0	1.90	351.90	5,646.4	49.6	-15.7	-49.0	0.12	-0.10	-1.88
5,743.0	1.80	353.40	5,741.4	52.7	-16.1	-51.6	0.12	-0.11	1.58
5,838.0	1.80	349.00	5,836.3	55.6	-16.6	-54.2	0.15	0.00	-4.63
5,933.0	1.60	354.00	5,931.3	58.4	-17.0	-56.7	0.26	-0.21	5.26
6,028.0	1.50	358.90	6,026.2	61.0	-17.2	-58.8	0.17	-0.11	5.16
6,124.0	1.60	6.60	6,122.2	63.6	-17.0	-60.8	0.24	0.10	8.02
6,219.0	1.80	14.40	6,217.2	66.3	-16.5	-62.7	0.32	0.21	8.21
6,314.0	1.70	339.40	6,312.1	69.1	-16.6	-64.9	1.11	-0.11	-36.84
6,410.0	1.70	337.60	6,408.1	71.7	-17.7	-67.7	0.06	0.00	-1.88
6,505.0	1.80	344.90	6,503.0	74.5	-18.6	-70.4	0.26	0.11	7.68
6,599.0	1.90	333.40	6,597.0	77.3	-19.7	-73.3	0.41	0.11	-12.23
6,695.0	1.80	352.90	6,692.9	80.2	-20.6	-76.2	0.66	-0.10	20.31
6,790.0	1.50	0.90	6,787.9	82.9	-20.7	-78.4	0.40	-0.32	8.42
6,885.0	1.40	3.30	6,882.9	85.3	-20.7	-80.3	0.12	-0.11	2.53
6,980.0	1.20	352.10	6,977.8	87.5	-20.7	-82.0	0.34	-0.21	-11.79
7,074.0	1.40	354.20	7,071.8	89.6	-21.0	-83.9	0.22	0.21	2.23
7,168.0	1.30	11.70	7,165.8	91.8	-20.9	-85.5	0.45	-0.11	18.62
7,263.0	1.30	12.00	7,260.8	93.9	-20.4	-86.9	0.01	0.00	0.32
7,358.0	0.90	351.60	7,355.7	95.7	-20.3	-88.3	0.58	-0.42	-21.47
7,453.0	1.10	334.50	7,450.7	97.2	-20.8	-89.8	0.38	0.21	-18.00
7,548.0	1.00	336.80	7,545.7	98.8	-21.5	-91.5	0.11	-0.11	2.42
7,642.0	0.90	354.40	7,639.7	100.3	-21.9	-93.0	0.33	-0.11	18.72
7,738.0	0.90	306.50	7,735.7	101.5	-22.6	-94.3	0.76	0.00	-49.90
7,833.0	1.70	280.00	7,830.7	102.2	-24.6	-96.1	1.03	0.84	-27.89
7,927.0	2.50	278.50	7,924.6	102.8	-28.0	-98.6	0.85	0.85	-1.60
8,023.0	2.30	294.70	8,020.5	103.9	-31.8	-101.8	0.73	-0.21	16.88
8,118.0	1.80	319.00	8,115.5	105.8	-34.5	-105.0	1.04	-0.53	25.58
8,213.0	1.50	336.00	8,210.4	108.1	-36.0	-107.7	0.60	-0.32	17.89

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8,308.0	2.50	334.10	8,305.4	111.1	-37.4	-110.9	1.05	1.05	-2.00
8,403.0	1.40	357.90	8,400.3	114.1	-38.4	-113.9	1.41	-1.16	25.05
8,498.0	1.10	308.40	8,495.3	115.8	-39.1	-115.7	1.14	-0.32	-52.11
8,594.0	2.00	28.20	8,591.3	117.8	-39.1	-117.3	2.19	0.94	83.13
8,689.0	2.00	51.30	8,686.2	120.3	-37.0	-118.0	0.84	0.00	24.32
8,784.0	1.60	67.40	8,781.2	121.9	-34.5	-117.7	0.67	-0.42	16.95
8,878.0	0.90	61.80	8,875.1	122.7	-32.6	-117.2	0.76	-0.74	-5.96
8,972.0	0.70	328.20	8,969.1	123.6	-32.3	-117.7	1.25	-0.21	-99.57
9,068.0	1.10	236.20	9,065.1	123.6	-33.3	-118.3	1.38	0.42	-95.83
9,163.0	1.10	247.70	9,160.1	122.7	-34.9	-118.6	0.23	0.00	12.11
9,258.0	1.50	348.00	9,255.1	123.6	-36.0	-120.0	2.12	0.42	105.58
9,353.0	1.80	18.90	9,350.1	126.2	-35.8	-121.9	0.97	0.32	32.53
9,449.0	2.30	12.10	9,446.0	129.5	-34.9	-124.0	0.58	0.52	-7.08
9,544.0	1.90	4.60	9,540.9	133.0	-34.4	-126.4	0.51	-0.42	-7.89
9,640.0	1.80	11.30	9,636.9	136.0	-34.0	-128.6	0.25	-0.10	6.98
9,734.0	1.20	14.40	9,730.8	138.4	-33.4	-130.2	0.64	-0.64	3.30
9,829.0	0.60	64.70	9,825.8	139.6	-32.7	-130.7	0.99	-0.63	52.95
9,924.0	1.70	49.40	9,920.8	140.7	-31.2	-130.7	1.19	1.16	-16.11
10,019.0	1.60	53.30	10,015.8	142.4	-29.1	-130.7	0.16	-0.11	4.11
10,114.0	2.10	20.30	10,110.7	144.9	-27.4	-131.6	1.22	0.53	-34.74
10,208.0	2.40	354.50	10,204.7	148.4	-27.0	-134.2	1.11	0.32	-27.45
10,304.0	1.80	346.50	10,300.6	151.9	-27.6	-137.3	0.69	-0.63	-8.33
10,398.0	1.90	327.40	10,394.5	154.7	-28.7	-140.2	0.66	0.11	-20.32
10,493.0	1.70	320.00	10,489.5	157.1	-30.5	-143.2	0.32	-0.21	-7.79
10,587.0	1.80	316.30	10,583.5	159.2	-32.4	-146.0	0.16	0.11	-3.94
10,682.0	1.10	323.20	10,678.4	161.0	-34.0	-148.4	0.76	-0.74	7.26
10,753.7	0.92	299.91	10,750.2	161.8	-34.9	-149.7	0.62	-0.25	-32.46
B.B. Lindale 24_25 W1AH Fed 2H									
10,777.0	0.90	290.90	10,773.4	162.0	-35.2	-150.0	0.62	-0.08	-38.75
10,809.0	0.80	300.50	10,805.4	162.2	-35.7	-150.4	0.54	-0.31	30.00
10,840.0	0.60	287.90	10,836.4	162.4	-36.0	-150.7	0.81	-0.65	-40.65
10,872.0	1.80	151.50	10,868.4	162.0	-35.9	-150.4	7.10	3.75	-426.25
10,904.0	4.30	145.20	10,900.4	160.5	-35.0	-148.7	7.87	7.81	-19.69
10,936.0	8.20	156.90	10,932.2	157.5	-33.4	-145.3	12.76	12.19	36.56
10,968.0	11.90	166.80	10,963.7	152.1	-31.8	-140.1	12.72	11.56	30.94
10,999.0	15.10	171.90	10,993.8	145.0	-30.5	-133.6	11.00	10.32	16.45
11,031.0	18.30	179.30	11,024.5	135.9	-29.8	-126.0	11.99	10.00	23.13
11,063.0	21.30	184.00	11,054.6	125.1	-30.2	-117.6	10.61	9.38	14.69
11,095.0	23.60	184.70	11,084.1	112.9	-31.1	-108.5	7.24	7.19	2.19
11,126.0	26.90	184.60	11,112.2	99.7	-32.2	-98.7	10.65	10.65	-0.32
11,158.0	29.60	187.70	11,140.4	84.6	-33.8	-87.7	9.60	8.44	9.69
11,190.0	34.00	186.60	11,167.5	67.9	-35.9	-75.7	13.87	13.75	-3.44
11,222.0	38.80	183.50	11,193.3	49.0	-37.5	-61.7	16.06	15.00	-9.69

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Lindale 24_25 W1AH Fed 2H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	3182 + 27 @ 3209.0usft (Patterson 245)
Site:	Section 24_25-26S-30E Lindale 24_25 W1AH Fed 2H	MD Reference:	3182 + 27 @ 3209.0usft (Patterson 245)
Well:	Lindale 24_25 W1AH Fed 2H	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)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,253.0	42.00	182.20	11,216.9	28.9	-38.5	-46.4	10.67	10.32	-4.19
11,285.0	43.80	182.50	11,240.3	7.2	-39.4	-29.7	5.66	5.63	0.94
11,317.0	46.50	184.80	11,262.9	-15.5	-40.9	-12.6	9.86	8.44	7.19
11,348.0	50.70	186.10	11,283.4	-38.6	-43.1	4.4	13.91	13.55	4.19
11,380.0	55.60	184.80	11,302.6	-64.1	-45.5	23.1	15.65	15.31	-4.06
11,411.0	59.90	182.60	11,319.1	-90.2	-47.2	42.9	15.11	13.87	-7.10
11,442.0	61.90	181.40	11,334.2	-117.3	-48.1	63.8	7.28	6.45	-3.87
11,474.0	64.40	180.50	11,348.7	-145.8	-48.6	86.1	8.21	7.81	-2.81
11,506.0	67.50	180.50	11,361.7	-175.1	-48.9	109.2	9.69	9.69	0.00
11,537.0	70.30	180.70	11,372.9	-204.0	-49.2	131.9	9.05	9.03	0.65
11,555.0	71.50	180.60	11,378.7	-221.0	-49.4	145.3	6.69	6.67	-0.56
11,584.0	73.70	179.80	11,387.4	-248.7	-49.5	167.2	8.03	7.59	-2.76
11,616.0	76.90	180.20	11,395.5	-279.6	-49.5	191.8	10.07	10.00	1.25
11,648.0	78.50	180.40	11,402.4	-310.9	-49.6	216.5	5.04	5.00	0.63
11,679.0	79.90	180.60	11,408.2	-341.3	-49.9	240.5	4.56	4.52	0.65
11,711.0	81.20	179.90	11,413.4	-372.9	-50.0	265.4	4.60	4.06	-2.19
11,743.0	82.90	179.50	11,417.8	-404.6	-49.9	290.7	5.45	5.31	-1.25
11,775.0	84.40	179.50	11,421.4	-436.4	-49.6	316.1	4.69	4.69	0.00
11,806.0	85.30	179.20	11,424.2	-467.2	-49.2	340.8	3.06	2.90	-0.97
11,838.0	86.80	178.90	11,426.4	-499.2	-48.7	366.4	4.78	4.69	-0.94
11,870.0	88.60	177.90	11,427.7	-531.1	-47.8	392.3	6.43	5.63	-3.13
11,909.6	88.89	177.86	11,428.5	-570.7	-46.3	424.7	0.74	0.74	-0.11
LP Lindale 24_25 W1AH Fed 2H									
11,965.0	89.30	177.80	11,429.4	-626.0	-44.2	469.8	0.74	0.74	-0.11
12,060.0	90.20	179.40	11,429.8	-721.0	-41.9	546.6	1.93	0.95	1.68
12,156.0	90.60	178.90	11,429.1	-817.0	-40.5	623.6	0.67	0.42	-0.52
12,251.0	89.20	178.10	11,429.3	-912.0	-38.0	700.5	1.70	-1.47	-0.84
12,346.0	91.10	180.50	11,429.1	-1,006.9	-36.9	776.6	3.22	2.00	2.53
12,441.0	92.30	181.30	11,426.2	-1,101.9	-38.3	851.0	1.52	1.26	0.84
12,537.0	91.50	182.30	11,423.1	-1,197.8	-41.4	925.3	1.33	-0.83	1.04
12,632.0	91.20	181.30	11,420.8	-1,292.7	-44.3	998.8	1.10	-0.32	-1.05
12,727.0	88.30	180.50	11,421.2	-1,387.7	-45.8	1,073.2	3.17	-3.05	-0.84
12,822.0	86.50	180.30	11,425.5	-1,482.6	-46.5	1,148.1	1.91	-1.89	-0.21
12,917.0	87.40	181.70	11,430.6	-1,577.4	-48.2	1,222.4	1.75	0.95	1.47
13,013.0	89.40	182.60	11,433.3	-1,673.3	-51.8	1,296.3	2.28	2.08	0.94
13,108.0	88.60	182.80	11,434.9	-1,768.2	-56.2	1,368.8	0.87	-0.84	0.21
13,203.0	90.40	181.30	11,435.8	-1,863.1	-59.6	1,442.1	2.47	1.89	-1.58
13,298.0	90.00	180.80	11,435.4	-1,958.1	-61.4	1,516.4	0.67	-0.42	-0.53
13,393.0	88.10	180.60	11,437.0	-2,053.1	-62.5	1,591.1	2.01	-2.00	-0.21
13,489.0	91.40	180.10	11,437.4	-2,149.1	-63.1	1,666.9	3.48	3.44	-0.52
13,584.0	91.30	181.20	11,435.2	-2,244.0	-64.2	1,741.6	1.16	-0.11	1.16
13,679.0	91.30	181.80	11,433.0	-2,339.0	-66.7	1,815.4	0.63	0.00	0.63

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Lindale 24_25 W1AH Fed 2H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	3182 + 27 @ 3209.0usft (Patterson 245)
Site:	Section 24_25-26S-30E Lindale 24_25 W1AH Fed 2H	MD Reference:	3182 + 27 @ 3209.0usft (Patterson 245)
Well:	Lindale 24_25 W1AH Fed 2H	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)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,774.0	90.90	181.30	11,431.2	-2,433.9	-69.2	1,889.2	0.67	-0.42	-0.53
13,870.0	90.60	180.30	11,429.9	-2,529.9	-70.6	1,964.5	1.09	-0.31	-1.04
13,972.0	87.30	177.30	11,431.8	-2,631.8	-68.5	2,046.7	4.37	-3.24	-2.94
14,067.0	88.70	177.30	11,435.1	-2,726.7	-64.0	2,124.7	1.47	1.47	0.00
14,162.0	90.40	178.30	11,435.9	-2,821.6	-60.3	2,202.2	2.08	1.79	1.05
14,258.0	89.30	178.20	11,436.1	-2,917.6	-57.4	2,280.1	1.15	-1.15	-0.10
14,352.0	89.40	178.20	11,437.2	-3,011.5	-54.4	2,356.5	0.11	0.11	0.00
14,447.0	90.10	178.00	11,437.6	-3,106.4	-51.3	2,433.7	0.77	0.74	-0.21
14,542.0	92.10	178.80	11,435.8	-3,201.4	-48.6	2,510.7	2.27	2.11	0.84
14,638.0	91.70	178.80	11,432.6	-3,297.3	-46.6	2,588.0	0.42	-0.42	0.00
14,733.0	91.70	178.40	11,429.8	-3,392.2	-44.3	2,664.7	0.42	0.00	-0.42
14,828.0	90.50	178.20	11,428.0	-3,487.2	-41.5	2,741.8	1.28	-1.26	-0.21
14,923.0	92.80	179.00	11,425.2	-3,582.1	-39.2	2,818.5	2.56	2.42	0.84
15,019.0	89.90	178.00	11,423.0	-3,678.0	-36.7	2,896.2	3.20	-3.02	-1.04
15,114.0	91.30	179.30	11,422.0	-3,773.0	-34.4	2,972.9	2.01	1.47	1.37
15,209.0	91.20	179.20	11,419.9	-3,868.0	-33.2	3,049.0	0.15	-0.11	-0.11
15,304.0	90.60	179.20	11,418.4	-3,962.9	-31.9	3,125.2	0.63	-0.63	0.00
15,400.0	90.50	179.40	11,417.5	-4,058.9	-30.7	3,202.1	0.23	-0.10	0.21
15,495.0	89.40	179.90	11,417.6	-4,153.9	-30.1	3,277.8	1.27	-1.16	0.53
15,590.0	88.10	179.40	11,419.6	-4,248.9	-29.5	3,353.5	1.47	-1.37	-0.53
15,685.0	89.60	179.60	11,421.5	-4,343.9	-28.7	3,429.4	1.59	1.58	0.21
15,780.0	91.70	180.60	11,420.5	-4,438.9	-28.9	3,504.6	2.45	2.21	1.05
15,876.0	91.30	181.10	11,418.0	-4,534.8	-30.3	3,579.9	0.67	-0.42	0.52
15,971.0	88.30	179.40	11,418.3	-4,629.8	-30.7	3,655.0	3.63	-3.16	-1.79
16,066.0	90.80	181.00	11,419.0	-4,724.8	-31.0	3,730.2	3.12	2.63	1.68
16,161.0	92.20	182.20	11,416.5	-4,819.7	-33.7	3,803.9	1.94	1.47	1.26
16,256.0	92.60	183.80	11,412.6	-4,914.5	-38.7	3,876.1	1.73	0.42	1.68
16,351.0	90.90	185.00	11,409.7	-5,009.2	-45.9	3,946.8	2.19	-1.79	1.26
16,446.0	90.60	182.80	11,408.4	-5,103.9	-52.4	4,018.0	2.34	-0.32	-2.32
16,541.0	87.50	181.40	11,410.0	-5,198.8	-55.9	4,091.2	3.58	-3.26	-1.47
16,636.0	92.60	183.40	11,409.9	-5,293.7	-59.9	4,164.1	5.77	5.37	2.11
16,734.0	90.30	182.70	11,407.4	-5,391.5	-65.1	4,238.6	2.45	-2.35	-0.71
16,828.0	91.00	184.70	11,406.4	-5,485.3	-71.1	4,309.3	2.25	0.74	2.13
16,923.0	88.50	182.10	11,406.8	-5,580.2	-76.8	4,381.1	3.80	-2.63	-2.74
17,018.0	88.00	181.30	11,409.7	-5,675.1	-79.6	4,454.7	0.99	-0.53	-0.84
17,113.0	87.20	182.20	11,413.7	-5,769.9	-82.5	4,528.2	1.27	-0.84	0.95
17,208.0	86.20	180.90	11,419.1	-5,864.7	-85.0	4,601.9	1.72	-1.05	-1.37
17,303.0	87.30	179.10	11,424.5	-5,959.6	-85.0	4,677.1	2.22	1.16	-1.89
17,398.0	87.30	178.20	11,429.0	-6,054.5	-82.8	4,753.8	0.95	0.00	-0.95
17,493.0	89.10	177.20	11,432.0	-6,149.3	-79.0	4,831.4	2.17	1.89	-1.05
17,588.0	89.20	175.60	11,433.4	-6,244.1	-73.0	4,910.2	1.69	0.11	-1.68
17,683.0	89.30	174.60	11,434.6	-6,338.8	-64.9	4,990.3	1.06	0.11	-1.05
17,779.0	94.90	174.90	11,431.1	-6,434.3	-56.1	5,071.4	5.84	5.83	0.31

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Lindale 24_25 W1AH Fed 2H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	3182 + 27 @ 3209.0usft (Patterson 245)
Site:	Section 24_25-26S-30E Lindale 24_25 W1AH Fed 2H	MD Reference:	3182 + 27 @ 3209.0usft (Patterson 245)
Well:	Lindale 24_25 W1AH Fed 2H	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)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
17,874.0	95.00	175.50	11,422.9	-6,528.6	-48.2	5,151.0	0.64	0.11	0.63
17,969.0	96.00	178.30	11,413.8	-6,623.0	-43.1	5,229.1	3.12	1.05	2.95
18,064.0	93.30	179.30	11,406.1	-6,717.6	-41.1	5,305.4	3.03	-2.84	1.05
18,159.0	93.20	181.00	11,400.7	-6,812.5	-41.4	5,380.5	1.79	-0.11	1.79
18,254.0	90.10	179.70	11,398.0	-6,907.4	-42.0	5,455.5	3.54	-3.26	-1.37
18,349.0	90.10	180.00	11,397.8	-7,002.4	-41.7	5,531.0	0.32	0.00	0.32
18,444.0	88.90	180.20	11,398.7	-7,097.4	-41.9	5,606.3	1.28	-1.26	0.21
18,539.0	88.90	180.60	11,400.5	-7,192.4	-42.5	5,681.2	0.42	0.00	0.42
18,634.0	85.60	179.50	11,405.0	-7,287.3	-42.6	5,756.5	3.66	-3.47	-1.16
18,729.0	83.50	179.30	11,414.1	-7,381.8	-41.6	5,832.1	2.22	-2.21	-0.21
18,766.0	83.60	179.50	11,418.2	-7,418.6	-41.2	5,861.5	0.60	0.27	0.54
18,820.0	83.60	179.50	11,424.2	-7,472.3	-40.8	5,904.4	0.00	0.00	0.00
18820.0' MD Projected to Bit - PBHL Lindale 24_25 W1AH Fed 2H									

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
895.0	894.9	9.6	4.3	895.0' MD Teledrift Survey
18,820.0	11,424.2	-7,472.3	-40.8	18820.0' MD Projected to Bit



COMPANY: Mewbourne Oil Company
WELL: Lindale 24_25 W1AH Fed 2H
COUNTY: Eddy County, N.M. Nad (83)
DATUM: North American Datum 1983
RIG: Patterson 245



OFFICE: 936.582.7296

GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 6.71°

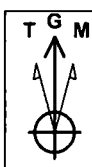
GEODETTIC ZONE: New Mexico Eastern Zone
3182 + 27 @ 3209.0usft (Patterson 245)
GROUND ELEVATION: 3182.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Spot
0.0	0.0	376775.70	698204.40	32° 2' 5.373 N	103° 49' 37.571 W	

PLAN SECTIONS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	3850.0	0.00	0.00	3850.0	0.0	0.0	0.00	0.00	0.0	
3	3950.2	1.50	348.35	3950.2	1.3	-0.3	1.50	348.35	-1.3	
4	10652.1	1.50	348.35	10649.8	173.5	-35.8	0.00	0.00	-173.6	
5	10752.3	0.00	0.00	10750.0	174.8	-36.0	1.50	180.00	-174.8	B.B. Lindale 24_25 W1AH Fed 2H
6	10858.4	0.00	0.00	10856.1	174.8	-36.0	0.00	0.00	-174.8	
7	11758.4	90.00	179.69	11429.0	-388.1	-32.9	10.00	179.69	388.1	
8	18839.1	90.00	179.69	11429.0	-7478.7	5.5	0.00	0.00	7478.7	PBHL Lindale 24_25 W1AH Fed 2H

SHL: 185' FNL; 295' FEL
Section 24-26S-30E
PBHL: 2333' FNL; 330' FEL
Section 25-26S-30E



Azimuths to Grid North
True North: -0.27°
Magnetic North: 6.71°

Magnetic Field
Strength: 47728.9nT
Dip Angle: 59.84°
Date: 2/26/2018
Model: IGRF2015

