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DISTRICT II-ARTESIA O.C.D.

Mewbourne Oil Company

Eddy County, N.M. Nad (83)

Section 26 25-25S-28E Oxbow 26 25 W0DA Fed Com 2H

Oxbow 26 25 W0DA Fed Com #2H

Original Hole

30-015-44972

Design: Original Hole

Standard Survey Report

02 August, 2018





Microsoft Survey Report



Company: Mewbourne Oil Company
Project: Eddy County, N.M. Nad (83)
Site: Section 26 25-25S-28E Oxbow 26 25 W0DA Fed Com 2H
Well: Oxbow 26 25 W0DA Fed Com #2H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Oxbow 26 25 W0DA Fed Com #2H
TVD Reference: 2954 + 27 @ 2981.0usft (Patterson 562)
MD Reference: 2954 + 27 @ 2981.0usft (Patterson 562)
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 26 25-25S-28E Oxbow 26 25 W0DA Fed Com 2H

Site Position:
From: Map
Position Uncertainty: 0.0 usft

Northing: 402,689.90 usft
Easting: 624,325.60 usft
Slot Radius: 13-3/16 "

Latitude: 32° 6' 24.445 N
Longitude: 104° 3' 55.112 W
Grid Convergence: 0.14 °

Well Oxbow 26 25 W0DA Fed Com #2H

Well Position +N/-S 0.0 usft +E/-W 0.0 usft
Position Uncertainty 0.0 usft

Northing: 402,689.90 usft
Easting: 624,325.60 usft
Wellhead Elevation: 27.0 usft

Latitude: 32° 6' 24.445 N
Longitude: 104° 3' 55.112 W
Ground Level: 2,954.0 usft

Wellbore Original Hole

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	5/2/2018	7.08	59.86	47,729.49887072

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	151.34

Survey Program Date 8/2/2018

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
597.0	19,495.0	MWD Survey (Original Hole)	MWD	MWD v3:standard declination

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Bulld Rate (°/100usft)	Turn Rate (°/100usft)
422.0	1.72	185.09	421.9	6.3	3.3	-4.0	0.00	0.00	0.00
597.0	1.10	177.90	596.9	2.0	3.1	-0.3	0.37	-0.35	-4.11
721.0	0.60	199.10	720.9	0.2	3.0	1.2	0.47	-0.40	17.10
850.0	0.60	195.30	849.8	-1.1	2.6	2.2	0.03	0.00	-2.95
1,041.0	0.30	170.90	1,040.8	-2.5	2.4	3.4	0.18	-0.16	-12.77
1,231.0	0.20	194.60	1,230.8	-3.3	2.4	4.1	0.07	-0.05	12.47
1,421.0	0.40	175.30	1,420.8	-4.3	2.4	4.9	0.12	0.11	-10.16
1,613.0	0.20	218.00	1,612.8	-5.3	2.2	5.7	0.15	-0.10	22.24
1,804.0	0.20	256.40	1,803.8	-5.6	1.7	5.7	0.07	0.00	20.10
1,994.0	0.70	94.20	1,993.8	-5.8	2.5	6.3	0.47	0.26	-85.37

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Oxbow 26 25 W0DA Fed Com #2H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	2954 + 27 @ 2981.0usft (Patterson 562)
Site:	Section 26 25-25S-28E Oxbow 26 25 W0DA Fed Com 2H	MD Reference:	2954 + 27 @ 2981.0usft (Patterson 562)
Well:	Oxbow 26 25 W0DA Fed Com #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)
2,185.0	1.10	102.70	2,184.8	-6.2	5.5	8.1	0.22	0.21	4.45
2,376.0	1.80	112.80	2,375.7	-7.8	10.0	11.7	0.39	0.37	5.29
2,561.0	1.10	130.30	2,560.7	-10.1	14.1	15.6	0.44	-0.38	9.46
2,699.0	1.10	155.60	2,698.7	-12.1	15.6	18.1	0.35	0.00	18.33
2,793.0	1.40	178.80	2,792.6	-14.1	16.0	20.1	0.62	0.32	24.68
2,888.0	1.80	186.70	2,887.6	-16.8	15.9	22.3	0.48	0.42	8.32
2,984.0	3.00	195.30	2,983.5	-20.7	15.0	25.4	1.30	1.25	8.96
3,079.0	3.90	207.70	3,078.3	-25.9	12.9	28.9	1.23	0.95	13.05
3,175.0	5.30	212.90	3,174.0	-32.6	8.9	32.8	1.52	1.46	5.42
3,270.0	6.60	212.00	3,268.5	-40.9	3.7	37.6	1.37	1.37	-0.95
3,365.0	6.80	212.50	3,362.9	-50.2	-2.3	43.0	0.22	0.21	0.53
3,461.0	6.20	209.80	3,458.2	-59.5	-7.9	48.5	0.70	-0.63	-2.81
3,556.0	5.80	209.80	3,552.7	-68.1	-12.8	53.6	0.42	-0.42	0.00
3,651.0	5.80	207.30	3,647.2	-76.6	-17.4	58.8	0.27	0.00	-2.63
3,746.0	5.80	207.20	3,741.8	-85.1	-21.8	64.2	0.01	0.00	-0.11
3,841.0	5.80	209.40	3,836.3	-93.6	-26.4	69.5	0.23	0.00	2.32
3,936.0	5.60	208.40	3,930.8	-101.8	-30.9	74.5	0.24	-0.21	-1.05
4,031.0	5.30	208.40	4,025.4	-109.8	-35.2	79.4	0.32	-0.32	0.00
4,126.0	5.20	195.10	4,120.0	-117.8	-38.4	84.9	1.28	-0.11	-14.00
4,222.0	5.20	191.80	4,215.6	-126.2	-40.4	91.4	0.31	0.00	-3.44
4,316.0	5.30	195.20	4,309.2	-134.6	-42.4	97.7	0.35	0.11	3.62
4,412.0	5.40	194.00	4,404.8	-143.3	-44.7	104.3	0.16	0.10	-1.25
4,507.0	5.30	195.40	4,499.4	-151.8	-46.9	110.7	0.17	-0.11	1.47
4,602.0	5.10	194.40	4,594.0	-160.1	-49.2	116.9	0.23	-0.21	-1.05
4,697.0	4.90	194.20	4,688.6	-168.2	-51.2	123.0	0.21	-0.21	-0.21
4,792.0	5.20	199.00	4,783.2	-176.2	-53.6	128.9	0.55	0.32	5.05
4,888.0	5.10	199.70	4,878.8	-184.3	-56.5	134.6	0.12	-0.10	0.73
4,983.0	5.00	201.40	4,973.5	-192.1	-59.4	140.1	0.19	-0.11	1.79
5,078.0	5.10	200.60	5,068.1	-199.9	-62.4	145.5	0.13	0.11	-0.84
5,172.0	4.50	200.50	5,161.8	-207.3	-65.2	150.6	0.64	-0.64	-0.11
5,267.0	4.70	196.60	5,256.5	-214.5	-67.6	155.8	0.39	0.21	-4.11
5,362.0	5.50	195.60	5,351.1	-222.6	-69.9	161.8	0.85	0.84	-1.05
5,457.0	4.80	196.40	5,445.7	-230.8	-72.3	167.9	0.74	-0.74	0.84
5,552.0	4.70	195.50	5,540.4	-238.4	-74.4	173.5	0.13	-0.11	-0.95
5,648.0	4.50	195.80	5,636.1	-245.8	-76.5	179.0	0.21	-0.21	0.31
5,743.0	5.20	198.50	5,730.7	-253.5	-78.9	184.6	0.77	0.74	2.84
5,838.0	5.50	197.00	5,825.3	-261.9	-81.6	190.7	0.35	0.32	-1.58
5,933.0	5.00	194.70	5,919.9	-270.3	-84.0	196.9	0.57	-0.53	-2.42
6,028.0	4.70	194.90	6,014.6	-278.0	-86.0	202.7	0.32	-0.32	0.21
6,124.0	4.40	193.50	6,110.3	-285.4	-87.9	208.3	0.33	-0.31	-1.46
6,218.0	4.80	197.80	6,204.0	-292.7	-89.9	213.7	0.56	0.43	4.57
6,313.0	4.80	203.50	6,298.6	-300.1	-92.7	218.9	0.50	0.00	6.00

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Oxbow 26 25 W0DA Fed Com #2H
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Site:	Section 26 25-25S-28E Oxbow 26 25 W0DA Fed Com 2H	MD Reference:	2954 + 27 @ 2981.0usft (Patterson 562)
Well:	Oxbow 26 25 W0DA Fed Com #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)
6,409.0	5.10	207.90	6,394.3	-307.6	-96.3	223.7	0.50	0.31	4.58
6,503.0	4.60	209.40	6,488.0	-314.5	-100.1	228.0	0.55	-0.53	1.60
6,598.0	4.50	202.90	6,582.7	-321.3	-103.4	232.3	0.55	-0.11	-6.84
6,693.0	3.60	208.60	6,677.4	-327.3	-106.3	236.2	1.04	-0.95	6.00
6,789.0	3.30	195.20	6,773.2	-332.7	-108.5	239.8	0.89	-0.31	-13.96
6,884.0	3.50	207.30	6,868.1	-337.9	-110.5	243.4	0.78	0.21	12.74
6,979.0	4.30	195.50	6,962.9	-343.9	-112.8	247.6	1.19	0.84	-12.42
7,074.0	4.50	201.60	7,057.6	-350.8	-115.1	252.6	0.54	0.21	6.42
7,169.0	5.60	202.90	7,152.2	-358.5	-118.3	257.8	1.16	1.16	1.37
7,265.0	6.30	198.50	7,247.7	-367.8	-121.8	264.3	0.87	0.73	-4.58
7,360.0	5.60	197.40	7,342.2	-377.2	-124.8	271.1	0.75	-0.74	-1.16
7,454.0	4.90	199.40	7,435.8	-385.3	-127.6	276.9	0.77	-0.74	2.13
7,549.0	4.80	216.50	7,530.4	-392.4	-131.3	281.3	1.52	-0.11	18.00
7,644.0	4.70	214.70	7,625.1	-398.8	-135.8	284.7	0.19	-0.11	-1.89
7,738.0	5.10	206.60	7,718.8	-405.7	-139.9	288.8	0.85	0.43	-8.62
7,834.0	5.70	207.90	7,814.4	-413.7	-144.1	293.9	0.64	0.63	1.35
7,928.0	5.00	205.20	7,907.9	-421.5	-148.0	298.9	0.79	-0.74	-2.87
8,024.0	5.80	202.50	8,003.5	-429.8	-151.6	304.4	0.87	0.83	-2.81
8,119.0	6.30	189.80	8,098.0	-439.4	-154.3	311.5	1.50	0.53	-13.37
8,215.0	5.90	192.70	8,193.4	-449.4	-156.3	319.3	0.53	-0.42	3.02
8,310.0	5.00	192.40	8,288.0	-458.2	-158.3	326.1	0.95	-0.95	-0.32
8,405.0	3.60	195.70	8,382.7	-465.1	-160.0	331.4	1.50	-1.47	3.47
8,499.0	2.80	197.00	8,476.6	-470.1	-161.5	335.1	0.85	-0.85	1.38
8,593.0	3.60	189.50	8,570.5	-475.2	-162.6	339.0	0.96	0.85	-7.98
8,689.0	3.20	189.90	8,666.3	-480.8	-163.6	343.5	0.42	-0.42	0.42
8,784.0	1.90	192.10	8,761.2	-485.0	-164.4	346.7	1.37	-1.37	2.32
8,879.0	1.40	222.70	8,856.1	-487.4	-165.5	348.3	1.05	-0.53	32.21
8,973.0	1.30	238.30	8,950.1	-488.8	-167.2	348.7	0.40	-0.11	16.60
9,034.0	1.21	226.85	9,011.1	-489.6	-168.2	348.9	0.43	-0.14	-18.79
B.B. Oxbow 26 25 W0DA Fed Com #2H									
9,051.0	1.20	223.40	9,028.1	-489.9	-168.5	349.0	0.43	-0.09	-20.23
9,123.0	2.70	120.80	9,100.1	-491.3	-167.5	350.7	4.42	2.08	-142.50
9,155.0	7.40	109.00	9,131.9	-492.3	-164.9	352.9	14.97	14.69	-36.88
9,187.0	11.60	107.90	9,163.5	-494.0	-159.9	356.7	13.14	13.13	-3.44
9,219.0	15.60	106.40	9,194.6	-496.2	-152.7	362.1	12.55	12.50	-4.69
9,250.0	19.20	110.30	9,224.2	-499.1	-143.9	368.9	12.20	11.61	12.58
9,282.0	23.40	109.40	9,254.0	-503.1	-133.0	377.6	13.16	13.13	-2.81
9,313.0	27.90	107.10	9,281.9	-507.3	-120.3	387.4	14.86	14.52	-7.42
9,345.0	31.30	104.70	9,309.7	-511.6	-105.1	398.5	11.25	10.63	-7.50
9,376.0	33.30	103.40	9,335.9	-515.6	-89.0	409.7	6.83	6.45	-4.19
9,408.0	36.40	100.10	9,362.2	-519.3	-71.1	421.5	11.34	9.69	-10.31
9,440.0	40.60	95.90	9,387.2	-522.0	-51.4	433.4	15.45	13.13	-13.13
9,471.0	45.40	93.20	9,409.9	-523.7	-30.3	445.0	16.58	15.48	-8.71

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Oxbow 26 25 W0DA Fed Com #2H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	2954 + 27 @ 2981.0usft (Patterson 562)
Site:	Section 26 25-25S-28E Oxbow 26 25 W0DA Fed Com 2H	MD Reference:	2954 + 27 @ 2981.0usft (Patterson 562)
Well:	Oxbow 26 25 W0DA Fed Com #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)
9,504.0	49.20	89.90	9,432.3	-524.3	-6.1	457.1	13.66	11.52	-10.00
9,535.0	52.80	88.90	9,451.8	-524.1	18.0	468.5	11.88	11.61	-3.23
9,567.0	55.50	88.90	9,470.5	-523.6	43.9	480.5	8.44	8.44	0.00
9,598.0	58.60	88.50	9,487.4	-523.0	69.9	492.4	10.06	10.00	-1.29
9,630.0	61.40	88.90	9,503.4	-522.3	97.6	505.2	8.82	8.75	1.25
9,661.0	62.50	88.80	9,518.0	-521.8	125.0	517.8	3.56	3.55	-0.32
9,693.0	65.80	88.30	9,531.9	-521.1	153.8	531.0	10.41	10.31	-1.56
9,725.0	68.80	87.90	9,544.3	-520.1	183.3	544.3	9.45	9.38	-1.25
9,757.0	70.20	87.70	9,555.5	-518.9	213.2	557.6	4.41	4.38	-0.63
9,788.0	72.40	87.20	9,565.4	-517.6	242.6	570.5	7.26	7.10	-1.61
9,820.0	76.20	86.70	9,574.1	-516.0	273.3	583.9	11.97	11.88	-1.56
<u>9,851.0</u>	79.60	86.40	9,580.6	<u>-514.2</u>	<u>303.6</u>	596.8	11.01	10.97	-0.97
9,883.0	82.10	86.40	9,585.7	-512.2	335.1	610.1	7.81	7.81	0.00
9,907.0	84.20	86.50	9,588.5	-510.7	358.9	620.3	8.76	8.75	0.42
10,009.0	88.60	88.30	9,594.9	-506.1	460.5	665.0	4.66	4.31	1.76
10,033.2	89.16	88.15	9,595.4	-505.3	484.8	675.9	2.40	2.32	-0.63
LP Oxbow 26 25 W0DA Fed Com 2H									
10,104.0	90.80	87.70	9,595.4	-502.8	555.5	707.6	2.40	2.32	-0.63
10,199.0	87.10	85.60	9,597.2	-497.2	650.3	748.2	4.48	-3.89	-2.21
10,294.0	87.10	87.60	9,602.0	-491.6	745.0	788.7	2.10	0.00	2.11
10,390.0	85.80	88.90	9,607.9	-488.7	840.8	832.1	1.91	-1.35	1.35
10,485.0	85.80	88.90	9,614.9	-486.9	935.5	875.9	0.00	0.00	0.00
10,580.0	86.90	90.30	9,620.9	-486.2	1,030.3	920.8	1.87	1.16	1.47
10,674.0	90.60	93.50	9,623.0	-489.3	1,124.2	968.6	5.20	3.94	3.40
10,770.0	91.00	92.40	9,621.6	-494.2	1,220.0	1,018.9	1.22	0.42	-1.15
10,865.0	90.60	92.30	9,620.3	-498.1	1,315.0	1,067.9	0.43	-0.42	-0.11
10,960.0	90.80	91.10	9,619.1	-501.0	1,409.9	1,115.9	1.28	0.21	-1.26
11,055.0	89.70	90.60	9,618.7	-502.4	1,504.9	1,162.7	1.27	-1.16	-0.53
11,150.0	90.50	91.60	9,618.6	-504.2	1,599.9	1,209.8	1.35	0.84	1.05
11,245.0	91.30	90.40	9,617.1	-505.9	1,694.8	1,256.8	1.52	0.84	-1.26
11,340.0	90.90	89.30	9,615.2	-505.6	1,789.8	1,302.2	1.23	-0.42	-1.16
11,435.0	91.40	89.10	9,613.3	-504.3	1,884.8	1,346.6	0.57	0.53	-0.21
11,530.0	88.00	88.00	9,613.8	-501.9	1,979.7	1,390.0	3.76	-3.58	-1.16
11,626.0	87.80	87.70	9,617.4	-498.3	2,075.6	1,432.8	0.38	-0.21	-0.31
11,721.0	88.20	88.60	9,620.7	-495.2	2,170.5	1,475.7	1.04	0.42	0.95
11,816.0	90.90	90.30	9,621.4	-494.3	2,265.5	1,520.4	3.36	2.84	1.79
11,910.0	90.50	90.30	9,620.3	-494.8	2,359.5	1,566.0	0.43	-0.43	0.00
12,006.0	87.50	89.20	9,621.9	-494.4	2,455.4	1,611.6	3.33	-3.13	-1.15
12,101.0	88.90	90.20	9,624.9	-493.9	2,550.4	1,656.7	1.81	1.47	1.05
12,196.0	90.50	91.00	9,625.4	-494.9	2,645.4	1,703.2	1.88	1.68	0.84
12,291.0	90.00	90.70	9,625.0	-496.3	2,740.4	1,750.0	0.61	-0.53	-0.32
12,386.0	88.50	89.60	9,626.3	-496.5	2,835.4	1,795.8	1.96	-1.58	-1.16

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Oxbow 26 25 W0DA Fed Com #2H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	2954 + 27 @ 2981.0usft (Patterson 562)
Site:	Section 26 25-25S-28E Oxbow 26 25 W0DA Fed Com 2H	MD Reference:	2954 + 27 @ 2981.0usft (Patterson 562)
Well:	Oxbow 26 25 W0DA Fed Com #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)
12,481.0	89.20	90.30	9,628.2	-496.4	2,930.3	1,841.2	1.04	0.74	0.74
12,576.0	89.80	91.10	9,629.0	-497.6	3,025.3	1,887.8	1.05	0.63	0.84
12,671.0	90.20	91.30	9,629.0	-499.6	3,120.3	1,935.1	0.47	0.42	0.21
12,767.0	88.80	89.50	9,629.8	-500.3	3,216.3	1,981.8	2.38	-1.46	-1.88
12,862.0	87.70	88.90	9,632.7	-498.9	3,311.2	2,026.1	1.32	-1.16	-0.63
12,957.0	87.90	89.30	9,636.4	-497.4	3,406.2	2,070.4	0.47	0.21	0.42
13,052.0	89.80	90.30	9,638.3	-497.1	3,501.1	2,115.6	2.26	2.00	1.05
13,147.0	90.20	90.10	9,638.3	-497.4	3,596.1	2,161.5	0.47	0.42	-0.21
13,241.0	89.30	88.10	9,638.7	-496.0	3,690.1	2,205.3	2.33	-0.96	-2.13
13,336.0	89.80	88.60	9,639.4	-493.2	3,785.1	2,248.4	0.74	0.53	0.53
13,431.0	86.30	87.50	9,642.7	-490.0	3,879.9	2,291.1	3.86	-3.68	-1.16
13,527.0	87.00	88.10	9,648.3	-486.3	3,975.7	2,333.8	0.96	0.73	0.63
13,622.0	85.10	87.50	9,654.8	-482.7	4,070.4	2,376.0	2.10	-2.00	-0.63
13,717.0	84.20	87.70	9,663.7	-478.7	4,164.9	2,417.9	0.97	-0.95	0.21
13,812.0	85.10	87.00	9,672.5	-474.4	4,259.4	2,459.4	1.20	0.95	-0.74
13,907.0	90.60	89.10	9,676.1	-471.1	4,354.2	2,502.0	6.20	5.79	2.21
14,003.0	87.80	88.70	9,677.4	-469.3	4,450.2	2,546.5	2.95	-2.92	-0.42
14,098.0	89.50	89.40	9,679.7	-467.7	4,545.2	2,590.6	1.94	1.79	0.74
14,193.0	91.20	91.80	9,679.1	-468.7	4,640.1	2,637.1	3.10	1.79	2.53
14,289.0	86.70	90.30	9,680.9	-470.5	4,736.1	2,684.6	4.94	-4.69	-1.56
14,383.0	92.80	92.50	9,681.3	-472.8	4,830.0	2,731.7	6.90	6.49	2.34
14,478.0	94.20	91.90	9,675.5	-476.4	4,924.7	2,780.3	1.60	1.47	-0.63
14,573.0	93.10	91.50	9,669.4	-479.2	5,019.5	2,828.3	1.23	-1.16	-0.42
14,668.0	93.10	91.60	9,664.3	-481.8	5,114.3	2,876.0	0.11	0.00	0.11
14,763.0	91.30	89.60	9,660.6	-482.8	5,209.3	2,922.4	2.83	-1.89	-2.11
14,858.0	85.60	89.60	9,663.2	-482.1	5,304.2	2,967.4	6.00	-6.00	0.00
14,954.0	83.30	90.10	9,672.5	-481.9	5,399.7	3,013.0	2.45	-2.40	0.52
15,049.0	85.50	87.60	9,681.8	-480.0	5,494.2	3,056.6	3.50	2.32	-2.63
15,144.0	88.50	87.40	9,686.7	-475.8	5,589.0	3,098.5	3.16	3.16	-0.21
15,240.0	85.80	86.40	9,691.5	-470.6	5,684.7	3,139.8	3.00	-2.81	-1.04
15,335.0	87.10	87.30	9,697.4	-465.4	5,779.4	3,180.7	1.66	1.37	0.95
15,431.0	90.40	90.00	9,699.5	-463.2	5,875.3	3,224.7	4.44	3.44	2.81
15,526.0	90.30	92.20	9,698.9	-465.0	5,970.3	3,271.9	2.32	-0.11	2.32
15,621.0	89.10	90.00	9,699.4	-466.8	6,065.3	3,319.0	2.64	-1.26	-2.32
15,716.0	89.80	90.40	9,700.3	-467.1	6,160.3	3,364.9	0.85	0.74	0.42
15,812.0	88.00	90.30	9,702.2	-467.7	6,256.3	3,411.4	1.88	-1.88	-0.10
15,908.0	93.10	91.80	9,701.2	-469.5	6,352.2	3,459.0	5.54	5.31	1.56
16,003.0	92.00	91.20	9,697.0	-472.0	6,447.1	3,506.7	1.32	-1.16	-0.63
16,099.0	91.20	90.40	9,694.3	-473.3	6,543.0	3,553.9	1.18	-0.83	-0.83
16,194.0	89.70	89.70	9,693.6	-473.4	6,638.0	3,599.5	1.74	-1.58	-0.74
16,289.0	87.60	88.60	9,695.8	-472.0	6,733.0	3,643.8	2.50	-2.21	-1.16
16,384.0	88.10	88.80	9,699.4	-469.8	6,827.9	3,687.5	0.57	0.53	0.21
16,479.0	88.20	89.10	9,702.4	-468.1	6,922.8	3,731.5	0.33	0.11	0.32

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Oxbow 26 25 W0DA Fed Com #2H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	2954 + 27 @ 2981.0usft (Patterson 562)
Site:	Section 26 25-25S-28E Oxbow 26 25 W0DA Fed Com 2H	MD Reference:	2954 + 27 @ 2981.0usft (Patterson 562)
Well:	Oxbow 26 25 W0DA Fed Com #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)	
16,574.0	88.00	88.90	9,705.6	-466.4	7,017.7	3,775.6	0.30	-0.21	-0.21	
16,671.0	87.20	88.90	9,709.7	-464.6	7,114.6	3,820.4	0.82	-0.82	0.00	
16,766.0	87.30	89.60	9,714.2	-463.3	7,209.5	3,864.8	0.74	0.11	0.74	
16,861.0	87.10	88.30	9,718.9	-461.6	7,304.4	3,908.8	1.38	-0.21	-1.37	
16,956.0	89.90	90.50	9,721.3	-460.6	7,399.3	3,953.5	3.75	2.95	2.32	
17,051.0	87.00	88.70	9,723.9	-459.9	7,494.3	3,998.5	3.59	-3.05	-1.89	
17,146.0	89.50	89.70	9,726.8	-458.6	7,589.2	4,042.8	2.83	2.63	1.05	
17,241.0	89.60	89.90	9,727.6	-458.3	7,684.2	4,088.1	0.24	0.11	0.21	
17,336.0	89.70	89.60	9,728.1	-457.9	7,779.2	4,133.3	0.33	0.11	-0.32	
17,431.0	88.10	88.90	9,730.0	-456.6	7,874.2	4,177.8	1.84	-1.68	-0.74	
17,526.0	92.40	89.80	9,729.5	-455.6	7,969.2	4,222.4	4.62	4.53	0.95	
17,621.0	89.90	88.50	9,727.6	-454.1	8,064.1	4,266.7	2.97	-2.63	-1.37	
17,716.0	85.70	88.10	9,731.3	-451.3	8,159.0	4,309.7	4.44	-4.42	-0.42	
17,813.0	87.20	87.60	9,737.3	-447.7	8,255.7	4,353.0	1.63	1.55	-0.52	
17,907.0	86.60	88.90	9,742.4	-444.8	8,349.5	4,395.5	1.52	-0.64	1.38	
18,002.0	89.50	90.20	9,745.6	-444.1	8,444.5	4,440.3	3.34	3.05	1.37	
18,097.0	89.30	89.80	9,746.6	-444.1	8,539.5	4,485.9	0.47	-0.21	-0.42	
18,192.0	88.70	88.90	9,748.3	-443.0	8,634.4	4,530.5	1.14	-0.63	-0.95	
18,287.0	90.60	89.40	9,748.8	-441.6	8,729.4	4,574.8	2.07	2.00	0.53	
18,382.0	89.00	89.00	9,749.2	-440.3	8,824.4	4,619.2	1.74	-1.68	-0.42	
18,478.0	91.00	90.50	9,749.2	-439.9	8,920.4	4,664.9	2.60	2.08	1.56	
18,573.0	89.30	89.90	9,748.9	-440.2	9,015.4	4,710.8	1.90	-1.79	-0.63	
18,668.0	89.10	89.90	9,750.3	-440.0	9,110.4	4,756.2	0.21	-0.21	0.00	
18,763.0	91.30	91.30	9,749.9	-441.0	9,205.4	4,802.6	2.74	2.32	1.47	
18,857.0	90.60	90.70	9,748.4	-442.7	9,299.4	4,849.2	0.98	-0.74	-0.64	
18,952.0	88.90	89.10	9,748.8	-442.5	9,394.3	4,894.6	2.46	-1.79	-1.68	
19,047.0	89.10	88.90	9,750.4	-440.8	9,489.3	4,938.7	0.30	0.21	-0.21	
19,142.0	89.90	89.40	9,751.3	-439.4	9,584.3	4,983.0	0.99	0.84	0.53	
19,237.0	89.50	89.00	9,751.8	-438.1	9,679.3	5,027.4	0.60	-0.42	-0.42	
19,332.0	88.40	88.90	9,753.5	-436.4	9,774.3	5,071.4	1.16	-1.16	-0.11	
19,428.0	88.80	89.40	9,755.8	-434.9	9,870.2	5,116.2	0.67	0.42	0.52	
19,437.0	87.80	89.40	9,756.1	-434.8	9,879.2	5,120.4	11.11	-11.11	0.00	
19,495.0	87.80	89.40	9,758.3	-434.2	9,937.2	5,147.7	0.00	0.00	0.00	
19495' MD Projected to Bit - PBHL: Oxbow 26 25 W0DA Fed Com #2H										

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
19,495.0	9,758.3	-434.2	9,937.2	19495' MD Projected to Bit



Microsoft Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Oxbow 26 25 W0DA Fed Com #2H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	2954 + 27 @ 2981.0usft (Patterson 562)
Site:	Section 26 25-25S-28E Oxbow 26 25 W0DA Fed Com 2H	MD Reference:	2954 + 27 @ 2981.0usft (Patterson 562)
Well:	Oxbow 26 25 W0DA Fed Com #2H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

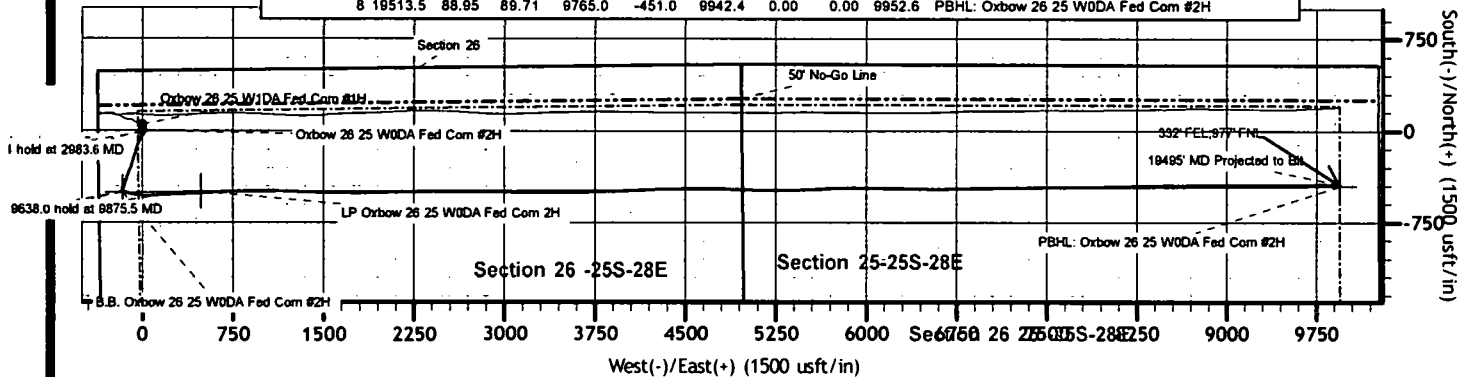
GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction Add 6.94°

GEODETTIC ZONE: New Mexico Eastern Zone
2954 + 27 @ 2981.0usft (Patterson 562)
GROUND ELEVATION: 2954.0

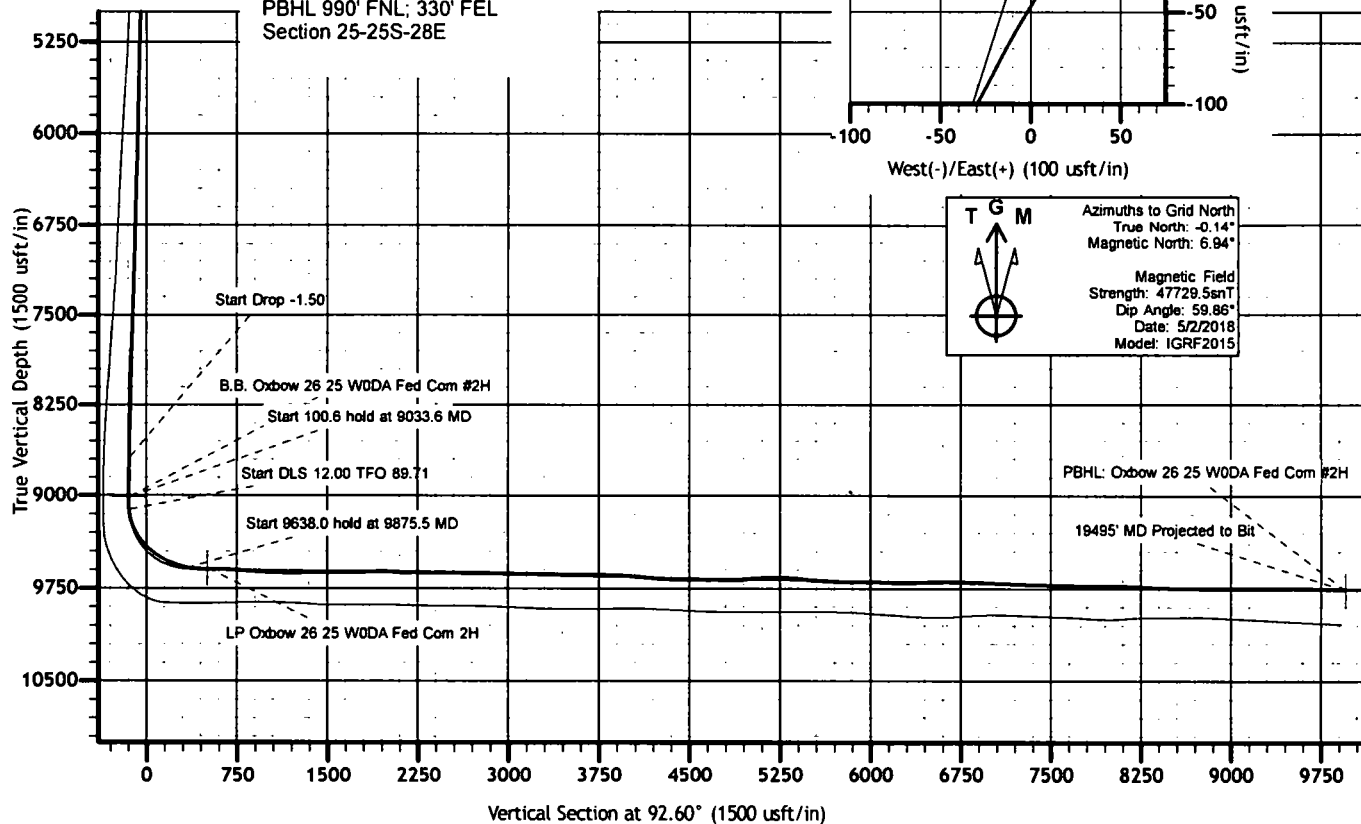
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	402689.90	624325.60	32° 6' 24.445 N	104° 3' 55.112 W	

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	2650.0	0.00	0.00	2650.0	0.0	0.0	0.00	0.00	0.0	
3	2983.6	5.00	187.94	2983.2	-13.9	-4.5	1.50	187.94	-3.9	
4	8700.0	5.00	187.94	8677.8	-488.2	-158.1	0.00	0.00	-135.8	
5	9033.6	0.00	0.00	9011.0	-502.1	-162.6	1.50	180.00	-139.7	B.B. Oxbow 26 25 W0DA Fed Com #2H
6	9134.2	0.00	0.00	9111.6	-502.1	-162.6	0.00	0.00	-139.7	
7	9875.5	88.95	89.71	9589.0	-499.7	306.1	12.00	89.71	328.5	
8	19513.5	88.95	89.71	9765.0	-451.0	6942.4	0.00	0.00	9952.6	PBHL: Oxbow 26 25 W0DA Fed Com #2H



SHL 490' FNL; 365' FWL
Section 26-25S-28E
PBHL 990' FNL; 330' FEL
Section 25-25S-28E



T G M
Azimuths to Grid North
True North: -0.14°
Magnetic North: 6.94°
Magnetic Field
Strength: 47729.5nT
Dip Angle: 59.86°
Date: 5/2/2018
Model: IGRF2015