



NM OIL CONSERVATION
ARTESIA DISTRICT

NOV 06 2018

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Mewbourne Oil Company

Eddy County, N.M. Nad (83)

Section 26 25 -25S-28E Oxbow W1DA Fed Com #1H

Oxbow 26 25 W1DA Fed Com #1H

Original Hole

30-015 44964

Design: Original Hole

Standard Survey Report

06 July, 2018





Microsoft Survey Report



Company: Mewbourne Oil Company
Project: Eddy County, N.M. Nad (83)
Site: Section 26 25 -25S-28E Oxbow W1DA Fed Com #1H
Well: Oxbow 26 25 W1DA Fed Com #1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Oxbow 26 25 W1DA Fed Com #1H
TVD Reference: 2955 + 27 @ 2982.0usft (Patterson 562)
MD Reference: 2955 + 27 @ 2982.0usft (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
Geo Datum: North American Datum 1983
Map Zone: New Mexico Eastern Zone

System Datum: Mean Sea Level

Site Section 26 25 -25S-28E Oxbow W1DA Fed Com #1H

Site Position: **Northing:** 402,739.80 usft **Latitude:** 32° 6' 24.939 N
From: Map **Easting:** 624,324.90 usft **Longitude:** 104° 3' 55.118 W
Position Uncertainty: 0.0 usft **Slot Radius:** 13-3/16 " **Grid Convergence:** 0.14 °

Well Oxbow 26 25 W1DA Fed Com #1H

Well Position **+N/-S** 0.0 usft **Northing:** 402,739.80 usft **Latitude:** 32° 6' 24.939 N
+E/-W 0.0 usft **Easting:** 624,324.90 usft **Longitude:** 104° 3' 55.118 W
Position Uncertainty 0.0 usft **Wellhead Elevation:** 27.0 usft **Ground Level:** 2,955.0 usft

Wellbore Original Hole

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	5/2/2018	7.08	59.86	47,751.33950565

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	271.07

Survey Program Date 7/6/2018

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.0	433.0	Phoenix Gyro Survey (Original Hole)	NSG-CT_WL	Continuous north-seeking gyro on wireline
571.0	19,925.0	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)	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
100.0	0.72	238.73	100.0	-0.3	-0.5	0.5	0.72	0.72	0.00
200.0	0.64	264.37	200.0	-0.7	-1.6	1.6	0.31	-0.08	25.64
300.0	0.84	277.10	300.0	-0.7	-2.9	2.9	0.26	0.20	12.73
400.0	1.03	282.48	400.0	-0.4	-4.5	4.5	0.21	0.19	5.38
433.0	0.86	248.02	433.0	-0.4	-5.0	5.0	1.77	-0.52	-104.42
433.0' MD Phoenix Gyro Survey									
571.0	1.70	282.50	570.9	-0.4	-8.0	8.0	0.80	0.61	24.99
636.0	1.50	285.90	635.9	0.1	-9.8	9.8	0.34	-0.31	5.23

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Oxbow 26 25 W1DA Fed Com #1H
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Well:	Oxbow 26 25 W1DA Fed 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)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
698.0	0.40	336.40	697.9	0.5	-10.6	10.6	2.07	-1.77	81.45
760.0	1.10	91.10	759.9	0.7	-10.1	10.1	2.13	1.13	185.00
856.0	1.00	87.50	855.9	0.7	-8.4	8.4	0.12	-0.10	-3.75
952.0	0.40	76.40	951.9	0.8	-7.2	7.2	0.64	-0.63	-11.56
1,047.0	0.40	106.00	1,046.9	0.8	-6.6	6.6	0.22	0.00	31.16
1,142.0	0.10	140.60	1,141.9	0.7	-6.2	6.2	0.34	-0.32	36.42
1,238.0	0.20	136.30	1,237.9	0.5	-6.0	6.0	0.10	0.10	-4.48
1,333.0	0.30	165.10	1,332.9	0.1	-5.8	5.8	0.17	0.11	30.32
1,428.0	0.20	157.10	1,427.9	-0.3	-5.7	5.7	0.11	-0.11	-8.42
1,523.0	0.20	181.70	1,522.9	-0.6	-5.6	5.6	0.09	0.00	25.89
1,618.0	0.30	126.90	1,617.9	-0.9	-5.5	5.4	0.26	0.11	-57.68
1,713.0	0.40	128.10	1,712.9	-1.3	-5.0	5.0	0.11	0.11	1.26
1,809.0	0.50	128.80	1,808.9	-1.7	-4.4	4.4	0.10	0.10	0.73
1,904.0	0.70	119.90	1,903.9	-2.3	-3.6	3.5	0.23	0.21	-9.37
1,999.0	1.30	115.00	1,998.8	-3.0	-2.1	2.0	0.64	0.63	-5.16
2,094.0	1.20	111.90	2,093.8	-3.9	-0.2	0.1	0.13	-0.11	-3.26
2,189.0	1.10	112.50	2,188.8	-4.6	1.6	-1.7	0.11	-0.11	0.63
2,284.0	1.40	110.60	2,283.8	-5.3	3.5	-3.6	0.32	0.32	-2.00
2,379.0	1.10	90.90	2,378.8	-5.8	5.5	-5.6	0.55	-0.32	-20.74
2,475.0	0.90	72.10	2,474.7	-5.5	7.1	-7.2	0.40	-0.21	-19.58
2,568.0	0.70	76.50	2,567.7	-5.2	8.4	-8.5	0.22	-0.22	4.73
2,703.0	2.10	347.30	2,702.7	-2.6	8.6	-8.7	1.63	1.04	-66.07
2,799.0	6.20	323.60	2,798.4	3.3	5.2	-5.1	4.54	4.27	-24.69
2,894.0	7.30	312.30	2,892.8	11.5	-2.3	2.5	1.81	1.16	-11.89
2,989.0	8.00	291.20	2,986.9	18.0	-13.0	13.3	3.03	0.74	-22.21
3,084.0	8.00	275.90	3,081.0	21.0	-25.7	26.1	2.23	0.00	-16.11
3,179.0	6.30	270.10	3,175.3	21.7	-37.5	37.9	1.94	-1.79	-6.11
3,274.0	4.40	264.70	3,269.9	21.4	-46.3	46.7	2.07	-2.00	-5.68
3,369.0	2.90	271.40	3,364.7	21.1	-52.4	52.8	1.64	-1.58	7.05
3,465.0	2.30	286.40	3,460.6	21.7	-56.6	57.0	0.94	-0.63	15.63
3,559.0	2.20	285.20	3,554.5	22.7	-60.2	60.6	0.12	-0.11	-1.28
3,655.0	3.80	308.60	3,650.4	25.2	-64.5	64.9	2.07	1.67	24.38
3,751.0	4.40	315.30	3,746.1	29.8	-69.5	70.1	0.80	0.63	6.98
3,847.0	4.50	314.60	3,841.8	35.1	-74.8	75.4	0.12	0.10	-0.73
3,942.0	5.30	300.10	3,936.5	39.9	-81.3	82.0	1.55	0.84	-15.26
4,037.0	3.40	274.30	4,031.2	42.3	-87.9	88.6	2.82	-2.00	-27.16
4,132.0	3.30	267.40	4,126.1	42.4	-93.4	94.2	0.44	-0.11	-7.26
4,228.0	3.30	265.90	4,221.9	42.0	-98.9	99.7	0.09	0.00	-1.56
4,323.0	3.50	265.30	4,316.7	41.6	-104.5	105.3	0.21	0.21	-0.63
4,419.0	2.20	266.60	4,412.6	41.3	-109.3	110.0	1.36	-1.35	1.35
4,514.0	2.90	283.00	4,507.5	41.7	-113.5	114.2	1.06	0.74	17.26
4,609.0	3.00	284.90	4,602.4	42.9	-118.2	119.0	0.15	0.11	2.00

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Survey

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4,705.0	3.00	284.80	4,698.3	44.2	-123.1	123.9	0.01	0.00	-0.10
4,800.0	3.50	279.60	4,793.1	45.3	-128.3	129.1	0.61	0.53	-5.47
4,894.0	3.70	277.30	4,886.9	46.1	-134.2	135.0	0.26	0.21	-2.45
4,990.0	2.70	294.80	4,982.8	47.5	-139.3	140.1	1.44	-1.04	18.23
5,085.0	2.70	304.20	5,077.7	49.7	-143.2	144.1	0.47	0.00	9.89
5,179.0	2.60	298.00	5,171.6	51.9	-146.9	147.8	0.32	-0.11	-6.60
5,275.0	2.60	297.30	5,267.5	53.9	-150.7	151.7	0.03	0.00	-0.73
5,370.0	4.00	299.70	5,362.3	56.6	-155.5	156.6	1.48	1.47	2.53
5,465.0	4.20	296.90	5,457.1	59.8	-161.5	162.6	0.30	0.21	-2.95
5,561.0	4.20	297.20	5,552.8	63.0	-167.8	168.9	0.02	0.00	0.31
5,656.0	4.00	298.50	5,647.6	66.2	-173.8	175.0	0.23	-0.21	1.37
5,751.0	3.80	299.20	5,742.4	69.3	-179.4	180.7	0.22	-0.21	0.74
5,846.0	3.50	292.70	5,837.2	71.9	-184.9	186.2	0.54	-0.32	-6.84
5,940.0	3.50	286.80	5,931.0	73.9	-190.3	191.6	0.38	0.00	-6.28
6,036.0	3.30	284.20	6,026.8	75.4	-195.7	197.1	0.26	-0.21	-2.71
6,132.0	2.70	282.70	6,122.7	76.6	-200.6	202.0	0.63	-0.63	-1.56
6,226.0	2.20	279.00	6,216.6	77.3	-204.6	206.0	0.56	-0.53	-3.94
6,321.0	2.20	289.40	6,311.5	78.2	-208.1	209.5	0.42	0.00	10.95
6,416.0	2.10	268.50	6,406.5	78.8	-211.5	213.0	0.83	-0.11	-22.00
6,511.0	1.80	262.00	6,501.4	78.5	-214.8	216.2	0.39	-0.32	-6.84
6,606.0	4.00	305.10	6,596.3	80.2	-219.0	220.4	3.11	2.32	45.37
6,701.0	4.40	306.10	6,691.0	84.3	-224.6	226.1	0.43	0.42	1.05
6,797.0	2.80	292.10	6,786.8	87.3	-229.8	231.3	1.89	-1.67	-14.58
6,892.0	3.30	294.50	6,881.7	89.3	-234.4	236.0	0.54	0.53	2.53
6,987.0	2.50	296.00	6,976.6	91.4	-238.7	240.4	0.85	-0.84	1.58
7,082.0	1.40	291.00	7,071.5	92.7	-241.7	243.4	1.17	-1.16	-5.26
7,177.0	3.90	288.60	7,166.4	94.2	-245.8	247.6	2.63	2.63	-2.53
7,272.0	3.70	277.40	7,261.2	95.6	-251.9	253.7	0.81	-0.21	-11.79
7,367.0	3.40	277.00	7,356.0	96.3	-257.8	259.5	0.32	-0.32	-0.42
7,462.0	3.00	276.60	7,450.9	97.0	-263.0	264.8	0.42	-0.42	-0.42
7,557.0	4.20	263.60	7,545.7	96.9	-269.0	270.7	1.52	1.26	-13.68
7,652.0	4.30	264.50	7,640.4	96.1	-276.0	277.7	0.13	0.11	0.95
7,747.0	5.70	262.80	7,735.1	95.2	-284.2	285.9	1.48	1.47	-1.79
7,842.0	5.50	260.80	7,829.6	93.9	-293.4	295.1	0.29	-0.21	-2.11
7,938.0	3.80	264.80	7,925.3	92.8	-301.1	302.8	1.80	-1.77	4.17
8,033.0	5.00	260.00	8,020.0	91.8	-308.3	310.0	1.32	1.26	-5.05
8,128.0	4.60	258.10	8,114.7	90.3	-316.1	317.7	0.45	-0.42	-2.00
8,223.0	2.50	266.60	8,209.5	89.4	-321.9	323.5	2.27	-2.21	8.95
8,318.0	3.00	292.10	8,304.4	90.2	-326.3	327.9	1.38	0.53	26.84
8,413.0	3.30	278.70	8,399.2	91.6	-331.3	332.9	0.83	0.32	-14.11
8,508.0	3.40	262.90	8,494.1	91.7	-336.8	338.4	0.97	0.11	-16.63
8,603.0	3.30	258.30	8,588.9	90.8	-342.2	343.9	0.30	-0.11	-4.84
8,698.0	2.00	277.00	8,683.8	90.4	-346.6	348.2	1.63	-1.37	19.68

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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)	Builde Rate (°/100usft)	Turn Rate (°/100usft)
8,793.0	0.30	15.60	8,778.8	90.8	-348.1	349.8	2.18	-1.79	103.79
8,888.0	0.50	99.20	8,873.8	91.0	-347.7	349.3	0.58	0.21	88.00
8,983.0	0.10	143.60	8,968.8	90.9	-347.2	348.8	0.46	-0.42	46.74
9,078.0	0.60	211.00	9,063.8	90.4	-347.4	349.0	0.60	0.53	70.95
9,174.0	0.80	189.10	9,159.8	89.3	-347.8	349.4	0.34	0.21	-22.81
9,196.0	0.92	190.98	9,181.8	89.0	-347.8	349.4	0.55	0.53	8.56
B.B. Oxbow 26 25 W1DA Fed Com 1H									
9,230.0	1.10	193.10	9,215.8	88.4	-348.0	349.6	0.55	0.54	6.23
9,285.0	1.40	151.20	9,270.8	87.3	-347.8	349.3	1.70	0.55	-76.18
9,316.0	3.90	109.20	9,301.7	86.6	-346.6	348.1	9.71	8.06	-135.48
9,348.0	8.20	93.90	9,333.6	86.1	-343.3	344.8	14.23	13.44	-47.81
9,380.0	12.40	86.00	9,365.0	86.2	-337.6	339.1	13.82	13.13	-24.69
9,412.0	15.70	82.90	9,396.1	87.0	-329.8	331.4	10.57	10.31	-9.69
9,444.0	19.30	82.10	9,426.6	88.2	-320.3	321.9	11.27	11.25	-2.50
9,475.0	21.80	84.20	9,455.6	89.5	-309.5	311.1	8.41	8.06	6.77
9,507.0	23.30	88.90	9,485.2	90.2	-297.3	298.9	7.32	4.69	14.69
9,538.0	24.00	94.70	9,513.6	89.8	-284.8	286.5	7.83	2.26	18.71
9,570.0	25.80	95.30	9,542.6	88.6	-271.4	273.0	5.68	5.63	1.88
9,602.0	28.50	95.70	9,571.1	87.2	-256.9	258.5	8.46	8.44	1.25
9,634.0	32.20	95.20	9,598.7	85.7	-240.8	242.4	11.59	11.56	-1.56
9,666.0	34.50	95.20	9,625.4	84.1	-223.3	224.8	7.19	7.19	0.00
9,698.0	36.10	91.70	9,651.5	83.0	-204.8	206.3	8.06	5.00	-10.94
9,730.0	39.60	88.60	9,676.8	83.0	-185.2	186.7	12.45	10.94	-9.69
9,762.0	43.60	86.60	9,700.7	83.9	-164.0	165.5	13.17	12.50	-6.25
9,793.0	46.00	86.00	9,722.7	85.3	-142.2	143.8	7.86	7.74	-1.94
9,825.0	48.70	87.50	9,744.4	86.6	-118.7	120.3	9.11	8.44	4.69
9,857.0	52.30	89.10	9,764.7	87.4	-94.0	95.6	11.89	11.25	5.00
9,889.0	55.20	91.10	9,783.7	87.3	-68.2	69.8	10.37	9.06	6.25
9,921.0	57.80	92.80	9,801.3	86.4	-41.5	43.2	9.25	8.13	5.31
9,952.0	60.80	93.20	9,817.1	85.0	-14.9	16.5	9.74	9.68	1.29
10,025.0	70.80	94.00	9,847.0	80.8	51.4	-49.9	13.73	13.70	1.10
10,056.0	75.50	94.20	9,856.0	78.7	81.0	-79.5	15.17	15.16	0.65
10,071.0	78.20	93.30	9,859.4	77.7	95.6	-94.1	18.92	18.00	-6.00
10,102.0	84.00	91.00	9,864.2	76.6	126.2	-124.7	20.09	18.71	-7.42
10,133.0	87.80	89.30	9,866.4	76.5	157.1	-155.6	13.42	12.26	-5.48
10,196.0	88.00	88.90	9,868.7	77.5	220.0	-218.6	0.71	0.32	-0.63
10,291.0	89.90	87.60	9,870.5	80.4	315.0	-313.4	2.42	2.00	-1.37
10,387.0	89.50	87.50	9,871.0	84.5	410.9	-409.2	0.43	-0.42	-0.10
10,482.0	90.90	87.30	9,870.7	88.8	505.8	-504.0	1.49	1.47	-0.21
10,548.1	91.46	87.65	9,869.3	91.7	571.8	-570.0	1.00	0.85	0.53
LP Oxbow 26 25 W1DA Fed Com 1H									
10,576.0	91.70	87.80	9,868.5	92.8	599.7	-597.8	1.00	0.85	0.53
10,672.0	92.00	89.10	9,865.4	95.4	695.6	-693.7	1.39	0.31	1.35

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Local Co-ordinate Reference: Well Oxbow 26 25 W1DA Fed Com #1H
TVD Reference: 2955 + 27 @ 2982.0usft (Patterson 562)
MD Reference: 2955 + 27 @ 2982.0usft (Patterson 562)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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)
10,767.0	91.40	90.40	9,862.6	95.8	790.5	-788.6	1.51	-0.63	1.37
10,861.0	89.70	91.70	9,861.7	94.1	884.5	-882.6	2.28	-1.81	1.38
10,956.0	91.10	92.90	9,861.0	90.3	979.4	-977.6	1.94	1.47	1.26
11,051.0	89.50	93.90	9,860.5	84.7	1,074.3	-1,072.5	1.99	-1.68	1.05
11,146.0	87.70	93.70	9,862.9	78.4	1,169.0	-1,167.4	1.91	-1.89	-0.21
11,241.0	86.70	91.20	9,867.5	74.3	1,263.8	-1,262.2	2.83	-1.05	-2.63
11,336.0	85.40	88.20	9,874.1	74.8	1,358.6	-1,356.9	3.43	-1.37	-3.16
11,431.0	86.70	86.80	9,880.6	78.9	1,453.3	-1,451.5	2.01	1.37	-1.47
11,527.0	89.90	86.00	9,883.4	85.0	1,549.0	-1,547.2	3.44	3.33	-0.83
11,622.0	90.60	87.80	9,883.0	90.1	1,643.9	-1,641.9	2.03	0.74	1.89
11,718.0	90.20	88.00	9,882.4	93.6	1,739.8	-1,737.7	0.47	-0.42	0.21
11,813.0	90.30	88.00	9,881.9	96.9	1,834.7	-1,832.6	0.11	0.11	0.00
11,908.0	89.90	88.00	9,881.8	100.2	1,929.7	-1,927.5	0.42	-0.42	0.00
12,003.0	89.70	86.70	9,882.1	104.6	2,024.6	-2,022.3	1.38	-0.21	-1.37
12,098.0	88.60	86.90	9,883.5	109.9	2,119.4	-2,117.0	1.18	-1.16	0.21
12,194.0	88.10	87.40	9,886.3	114.7	2,215.3	-2,212.7	0.74	-0.52	0.52
12,289.0	88.70	88.90	9,888.9	117.8	2,310.2	-2,307.6	1.70	0.63	1.58
12,384.0	90.40	89.60	9,889.7	119.0	2,405.2	-2,402.5	1.94	1.79	0.74
12,479.0	91.10	93.50	9,888.4	116.5	2,500.1	-2,497.5	4.17	0.74	4.11
12,574.0	88.70	94.00	9,888.6	110.2	2,594.9	-2,592.4	2.58	-2.53	0.53
12,669.0	88.70	94.30	9,890.8	103.4	2,689.6	-2,687.2	0.32	0.00	0.32
12,765.0	88.50	95.20	9,893.1	95.4	2,785.2	-2,783.0	0.96	-0.21	0.94
12,860.0	88.20	92.90	9,895.8	88.7	2,880.0	-2,877.8	2.44	-0.32	-2.42
12,955.0	87.20	89.20	9,899.7	87.0	2,974.9	-2,972.7	4.03	-1.05	-3.89
13,050.0	86.00	88.30	9,905.3	89.0	3,069.7	-3,067.5	1.58	-1.26	-0.95
13,146.0	87.90	87.50	9,910.4	92.6	3,165.5	-3,163.2	2.15	1.98	-0.83
13,242.0	87.80	87.10	9,914.0	97.1	3,261.3	-3,258.9	0.43	-0.10	-0.42
13,336.0	88.30	87.30	9,917.2	101.7	3,355.1	-3,352.6	0.57	0.53	0.21
13,431.0	90.30	89.40	9,918.4	104.4	3,450.1	-3,447.5	3.05	2.11	2.21
13,526.0	90.40	88.90	9,917.8	105.8	3,545.0	-3,542.5	0.54	0.11	-0.53
13,621.0	90.60	89.20	9,916.9	107.4	3,640.0	-3,637.4	0.38	0.21	0.32
13,716.0	90.00	88.30	9,916.4	109.5	3,735.0	-3,732.3	1.14	-0.63	-0.95
13,812.0	90.90	89.90	9,915.7	111.0	3,831.0	-3,828.2	1.91	0.94	1.67
13,907.0	90.90	89.60	9,914.2	111.4	3,926.0	-3,923.2	0.32	0.00	-0.32
14,002.0	89.20	92.00	9,914.1	110.1	4,021.0	-4,018.2	3.10	-1.79	2.53
14,098.0	90.20	92.10	9,914.6	106.6	4,116.9	-4,114.2	1.05	1.04	0.10
14,194.0	87.50	90.90	9,916.6	104.1	4,212.8	-4,210.1	3.08	-2.81	-1.25
14,289.0	87.40	91.00	9,920.8	102.5	4,307.7	-4,305.1	0.15	-0.11	0.11
14,385.0	87.10	90.10	9,925.4	101.6	4,403.6	-4,400.9	0.99	-0.31	-0.94
14,479.0	86.50	89.10	9,930.6	102.3	4,497.5	-4,494.8	1.24	-0.64	-1.06
14,574.0	88.00	89.60	9,935.2	103.3	4,592.3	-4,589.6	1.66	1.58	0.53
14,669.0	88.70	89.80	9,937.9	103.8	4,687.3	-4,684.5	0.77	0.74	0.21

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Oxbow 26 25 W1DA Fed Com #1H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	2955 + 27 @ 2982.0usft (Patterson 562)
Site:	Section 26 25 -25S-28E Oxbow W1DA Fed Com #1H	MD Reference:	2955 + 27 @ 2982.0usft (Patterson 562)
Well:	Oxbow 26 25 W1DA Fed 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)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
14,764.0	87.60	90.10	9,941.0	103.9	4,782.2	-4,779.5	1.20	-1.16	0.32
14,859.0	91.00	90.50	9,942.2	103.4	4,877.2	-4,874.4	3.60	3.58	0.42
14,954.0	90.60	91.60	9,940.8	101.7	4,972.2	-4,969.4	1.23	-0.42	1.16
15,050.0	91.30	90.30	9,939.2	100.1	5,068.2	-5,065.4	1.54	0.73	-1.35
15,145.0	90.50	89.50	9,937.7	100.3	5,163.1	-5,160.4	1.19	-0.84	-0.84
15,241.0	89.30	88.80	9,937.9	101.7	5,259.1	-5,256.3	1.45	-1.25	-0.73
15,336.0	89.40	88.30	9,939.0	104.1	5,354.1	-5,351.2	0.54	0.11	-0.53
15,431.0	90.20	89.30	9,939.3	106.1	5,449.1	-5,446.1	1.35	0.84	1.05
15,526.0	89.80	89.60	9,939.3	107.0	5,544.1	-5,541.1	0.53	-0.42	0.32
15,621.0	88.80	89.60	9,940.5	107.6	5,639.1	-5,636.1	1.05	-1.05	0.00
15,715.0	89.50	91.20	9,941.9	107.0	5,733.0	-5,730.0	1.86	0.74	1.70
15,811.0	88.60	90.90	9,943.5	105.2	5,829.0	-5,826.0	0.99	-0.94	-0.31
15,906.0	86.10	90.70	9,947.9	103.9	5,923.9	-5,920.9	2.64	-2.63	-0.21
16,001.0	84.60	91.50	9,955.6	102.1	6,018.6	-6,015.6	1.79	-1.58	0.84
16,098.0	87.90	91.60	9,961.9	99.5	6,115.3	-6,112.4	3.40	3.40	0.10
16,193.0	86.00	90.00	9,967.0	98.1	6,210.2	-6,207.2	2.61	-2.00	-1.68
16,288.0	85.20	89.10	9,974.2	98.9	6,304.9	-6,301.9	1.27	-0.84	-0.95
16,383.0	87.30	89.10	9,980.5	100.4	6,399.6	-6,396.7	2.21	2.21	0.00
16,478.0	88.10	88.20	9,984.3	102.6	6,494.5	-6,491.5	1.27	0.84	-0.95
16,573.0	90.10	88.20	9,985.8	105.6	6,589.5	-6,586.4	2.11	2.11	0.00
16,668.0	93.40	87.10	9,982.9	109.5	6,684.3	-6,681.1	3.66	3.47	-1.16
16,765.0	94.50	88.00	9,976.2	113.6	6,781.0	-6,777.7	1.46	1.13	0.93
16,860.0	92.60	89.20	9,970.3	115.9	6,875.8	-6,872.4	2.36	-2.00	1.26
16,955.0	93.30	90.60	9,965.4	116.1	6,970.7	-6,967.3	1.65	0.74	1.47
17,050.0	90.60	90.60	9,962.2	115.1	7,065.6	-7,062.2	2.84	-2.84	0.00
17,145.0	86.70	88.70	9,964.4	115.7	7,160.6	-7,157.1	4.57	-4.11	-2.00
17,240.0	87.60	88.60	9,969.1	117.9	7,255.4	-7,251.9	0.95	0.95	-0.11
17,335.0	87.70	89.20	9,973.0	119.8	7,350.3	-7,346.8	0.64	0.11	0.63
17,430.0	87.30	89.60	9,977.2	120.7	7,445.2	-7,441.7	0.60	-0.42	0.42
17,525.0	88.60	90.00	9,980.6	121.1	7,540.2	-7,536.6	1.43	1.37	0.42
17,620.0	88.40	90.10	9,983.1	121.0	7,635.1	-7,631.5	0.24	-0.21	0.11
17,715.0	87.40	90.10	9,986.5	120.8	7,730.1	-7,726.5	1.05	-1.05	0.00
17,810.0	86.10	89.70	9,991.9	121.0	7,824.9	-7,821.3	1.43	-1.37	-0.42
17,905.0	85.20	88.70	9,999.1	122.3	7,919.6	-7,916.0	1.41	-0.95	-1.05
18,000.0	91.50	88.50	10,001.9	124.6	8,014.5	-8,010.8	6.63	6.63	-0.21
18,095.0	95.30	89.50	9,996.2	126.3	8,109.3	-8,105.5	4.14	4.00	1.05
18,190.0	93.90	89.70	9,988.6	127.0	8,204.0	-8,200.2	1.49	-1.47	0.21
18,286.0	90.60	89.40	9,984.8	127.7	8,299.9	-8,296.1	3.45	-3.44	-0.31
18,381.0	89.20	88.90	9,985.0	129.1	8,394.9	-8,391.0	1.56	-1.47	-0.53
18,476.0	89.70	89.00	9,985.9	130.9	8,489.9	-8,485.9	0.54	0.53	0.11
18,570.0	92.00	88.20	9,984.5	133.2	8,583.8	-8,579.8	2.59	2.45	-0.85
18,665.0	90.30	88.70	9,982.6	135.7	8,678.8	-8,674.7	1.87	-1.79	0.53
18,761.0	89.50	89.80	9,982.8	137.0	8,774.7	-8,770.7	1.42	-0.83	1.15

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Oxbow 26 25 W1DA Fed Com #1H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	2955 + 27 @ 2982.0usft (Patterson 562)
Site:	Section 26 25 -25S-28E Oxbow W1DA Fed Com #1H	MD Reference:	2955 + 27 @ 2982.0usft (Patterson 562)
Well:	Oxbow 26 25 W1DA Fed 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)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Buird Rate (°/100usft)	Turn Rate (°/100usft)
18,856.0	86.60	89.80	9,986.0	137.3	8,869.7	-8,865.6	3.05	-3.05	0.00
18,950.0	84.90	90.10	9,993.0	137.4	8,963.4	-8,959.3	1.84	-1.81	0.32
19,046.0	88.70	91.10	9,998.3	136.4	9,059.2	-9,055.1	4.09	3.96	1.04
19,141.0	88.30	92.60	10,000.8	133.3	9,154.2	-9,150.1	1.63	-0.42	1.58
19,236.0	87.10	90.90	10,004.6	130.4	9,249.0	-9,245.0	2.19	-1.26	-1.79
19,331.0	85.60	91.70	10,010.7	128.3	9,343.8	-9,339.8	1.79	-1.58	0.84
19,426.0	87.80	89.70	10,016.2	127.1	9,438.6	-9,434.6	3.13	2.32	-2.11
19,521.0	86.70	87.80	10,020.7	129.2	9,533.5	-9,529.4	2.31	-1.16	-2.00
19,616.0	86.70	86.50	10,026.2	133.9	9,628.2	-9,624.0	1.37	0.00	-1.37
19,711.0	88.50	87.10	10,030.2	139.2	9,723.0	-9,718.7	2.00	1.89	0.63
19,806.0	87.70	86.70	10,033.3	144.3	9,817.8	-9,813.4	0.94	-0.84	-0.42
19,857.0	87.70	87.40	10,035.4	147.0	9,868.7	-9,864.2	1.37	0.00	1.37
19,925.0	87.70	87.40	10,038.1	150.0	9,936.6	-9,932.0	0.00	0.00	0.00

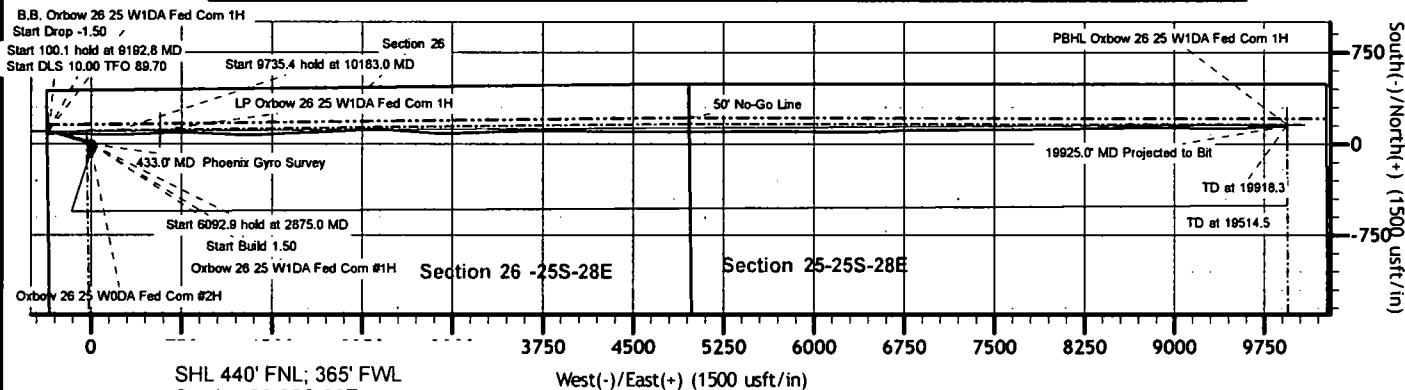
19925.0' MD Projected to Bit - PBHL Oxbow 26 25 W1DA Fed Com 1H

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
433.0	433.0	-0.4	-5.0	433.0' MD Phoenix Gyro Survey
19,925.0	10,038.1	150.0	9,936.6	19925.0' MD Projected to Bit

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

GEODETIC ZONE: New Mexico Eastern Zone										
2955 + 27 @ 2982.0usft (Patterson 562)										
GROUND ELEVATION: 2955.0										
	+N-S	+E-W	Northing	Easting	Latitude	Longitude	Slot			
	0.0	0.0	402739.80	624324.90	32° 6' 24.939 N	104° 3' 55.118 W				
PLAN SECTIONS										
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	VSeet	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	2650.0	0.00	0.00	2650.0	0.0	0.0	0.00	0.00	0.0	
3	2875.0	3.37	286.55	2874.8	1.9	-6.3	1.50	286.55	-6.3	
4	8967.9	3.37	286.55	8957.2	104.1	-350.1	0.00	0.00	-348.4	
5	9192.8	0.00	0.00	9182.0	105.9	-356.5	1.50	180.00	-354.7	B.B. Oxbow 26 25 W1DA Fed Com 1H
6	9292.9	0.00	0.00	9282.1	105.9	-356.5	0.00	0.00	-354.7	
7	10183.0	89.01	89.70	9855.0	108.9	206.5	10.00	89.70	208.2	
8	19918.3	89.01	89.70	10024.0	159.1	9940.3	0.00	0.00	9941.6	PBHL Oxbow 26 25 W1DA Fed Com 1H



SHL 440' FNL; 365' FWL
Section 26-25S-28E
PBHL 330' FNL; 330' FEL
Section 25-25S-28E

