



COMPANY: Mewbourne Oil Company
WELL: Salado Draw 9_16 W0BO Fed Com #2H
COUNTY: Lea County N. M. Nad (83)
DATUM: North American Datum 1983
RIG: Patterson 231

GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 6.47°



OFFICE: 936.582.7296

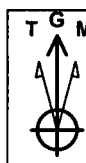
GEODETTIC ZONE: New Mexico Eastern Zone
3312 + 27 @ 3339.0usft (Patterson 231)
GROUND ELEVATION: 3312.0

+N/-S +E/-W Northing Easting Longitude
0.0 0.0 387996.30 775887.00 32° 3' 51.911 N 103° 34' 34.222 W

PLAN SECTIONS

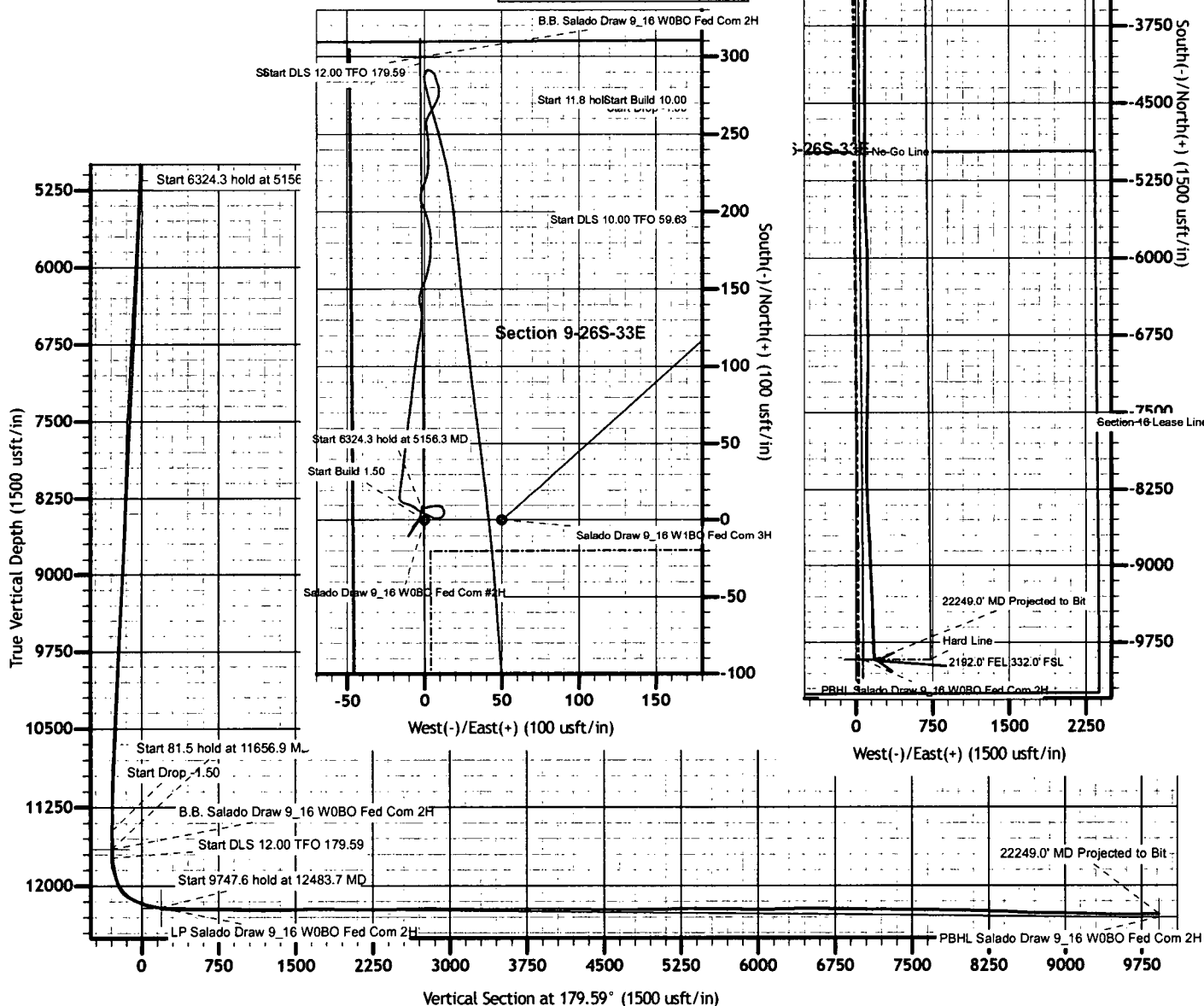
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	4980.0	0.00	0.00	4980.0	0.0	0.0	0.00	0.00	0.0	
3	5156.3	2.64	359.52	5156.2	4.1	0.0	1.50	359.52	-4.1	
4	11480.6	2.64	359.52	11473.8	295.8	-2.5	0.00	0.00	-295.8	
5	11656.9	0.00	0.00	11650.0	299.9	-2.5	1.50	180.00	-299.9	B.B. Salado Draw 9_16 W0BO Fed Com 2H
6	11738.4	0.00	0.00	11731.5	299.9	-2.5	0.00	0.00	-299.9	
7	12483.7	89.44	179.59	12209.0	-172.9	0.9	12.00	179.59	172.9	
8	22231.4	89.44	179.59	12304.0	-9919.8	70.7	0.00	0.00	9920.1	PBHL Salado Draw 9_16 W0BO Fed Com 2H

SHL: 310' FNL; 2310' FEL
Section 9-26S-33E
PBHL: 330' FSL; 2310' FEL
Section 16-26S-33E



Azimuths to Grid North
True North: -0.40°
Magnetic North: 6.47°

Magnetic Field
Strength: 47773.8nT
Dip Angle: 59.91°
Date: 2/20/2018
Model: IGRF2015





MEWBOURNE
OIL COMPANY

Mewbourne Oil Company

Lea County N. M. Nad (83)

Section 9_16-26S-33E Salado Draw 9_16 W0BO Fed Com

Salado Draw 9_16 W0BO Fed Com #2H

Original Hole

Design: Original Hole

HOBBS OCD

OCT 11 2018

RECEIVED

Standard Survey Report

12 April, 2018



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Salado Draw 9_16 W0BO Fed Com #2H
Project:	Lea County N. M. Nad (83)	TVD Reference:	3312 + 27 @ 3339.0usft (Patterson 231)
Site:	Section 9_16-26S-33E Salado Draw 9_16 W0BO Fed Com	MD Reference:	3312 + 27 @ 3339.0usft (Patterson 231)
Well:	Salado Draw 9_16 W0BO Fed Com #2H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

Project	Lea 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 9_16-26S-33E Salado Draw 9_16 W0BO Fed Com			
Site Position:		Northing:	387,996.30 usft	Latitude: 32° 3' 51.911 N
From:	Map	Easting:	775,887.00 usft	Longitude: 103° 34' 34.222 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.40 °

Well	Salado Draw 9_16 W0BO Fed Com #2H			
Well Position	+N/-S	0.0 usft	Northing:	387,996.30 usft
	+E/-W	0.0 usft	Easting:	775,887.00 usft
Position Uncertainty	0.0 usft		Wellhead Elevation:	27.0 usft
			Ground Level:	3,312.0 usft

Wellbore	Original Hole			
-----------------	---------------	--	--	--

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	2/20/2018	6.87	59.91	47,773.79809670

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	300.19

Survey Program		Date	4/12/2018		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
100.0	900.0	Phoenix Gyro Survey (Original Hole)	SRG-GYRO-MS	surface readout gyro multishot	
907.0	22,240.0	MWD Survey #2 (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
100.0	0.41	308.30	100.0	0.2	-0.3	0.4	0.41	0.41	0.00
200.0	0.31	317.52	200.0	0.6	-0.7	1.0	0.12	-0.10	9.22
300.0	0.33	303.24	300.0	1.0	-1.2	1.5	0.08	0.02	-14.28
400.0	0.36	277.36	400.0	1.2	-1.7	2.1	0.16	0.03	-25.88
500.0	0.49	246.08	500.0	1.1	-2.4	2.6	0.26	0.13	-31.28
600.0	0.73	231.06	600.0	0.5	-3.3	3.1	0.29	0.24	-15.02
700.0	1.02	226.78	700.0	-0.5	-4.5	3.6	0.30	0.29	-4.28
800.0	1.30	222.39	800.0	-2.0	-5.9	4.1	0.29	0.28	-4.39

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Salado Draw 9_16 W0BO Fed Com #2H
Project:	Lea County N. M. Nad (83)	TVD Reference:	3312 + 27 @ 3339.0usft (Patterson 231)
Site:	Section 9_16-26S-33E Salado Draw 9_16 W0BO Fed Com	MD Reference:	3312 + 27 @ 3339.0usft (Patterson 231)
Well:	Salado Draw 9_16 W0BO 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)
900.0	1.46	216.29	899.9	-3.8	-7.4	4.5	0.22	0.16	-6.10
907.0	1.57	189.11	906.9	-4.0	-7.5	4.4	10.28	1.57	-388.29
1,027.0	1.70	212.60	1,026.9	-7.1	-8.7	3.9	0.56	0.11	19.58
1,122.0	1.50	214.50	1,121.8	-9.3	-10.1	4.1	0.22	-0.21	2.00
1,217.0	0.60	32.60	1,216.8	-9.9	-10.6	4.1	2.21	-0.95	187.47
1,311.0	1.50	35.60	1,310.8	-8.5	-9.6	4.0	0.96	0.96	3.19
1,405.0	1.60	34.90	1,404.8	-6.4	-8.1	3.8	0.11	0.11	-0.74
1,500.0	1.50	37.50	1,499.7	-4.4	-6.6	3.5	0.13	-0.11	2.74
1,594.0	1.50	37.80	1,593.7	-2.4	-5.1	3.2	0.01	0.00	0.32
1,689.0	1.40	24.00	1,688.7	-0.4	-3.9	3.2	0.38	-0.11	-14.53
1,783.0	1.40	21.10	1,782.7	1.7	-3.0	3.5	0.08	0.00	-3.09
1,880.0	1.30	12.40	1,879.6	3.9	-2.3	4.0	0.23	-0.10	-8.97
1,975.0	1.30	8.60	1,974.6	6.0	-1.9	4.7	0.09	0.00	-4.00
2,070.0	1.40	6.00	2,069.6	8.3	-1.7	5.6	0.12	0.11	-2.74
2,164.0	0.40	22.40	2,163.6	9.7	-1.4	6.1	1.09	-1.06	17.45
2,259.0	0.30	153.80	2,258.6	9.8	-1.2	5.9	0.67	-0.11	138.32
2,354.0	0.30	147.10	2,353.6	9.4	-0.9	5.5	0.04	0.00	-7.05
2,448.0	0.40	99.60	2,447.6	9.1	-0.5	5.0	0.32	0.11	-50.53
2,542.0	0.20	104.30	2,541.6	9.0	0.0	4.5	0.21	-0.21	5.00
2,637.0	0.30	108.70	2,636.6	8.9	0.4	4.1	0.11	0.11	4.63
2,731.0	0.50	88.10	2,730.6	8.8	1.1	3.5	0.26	0.21	-21.91
2,827.0	0.70	68.60	2,826.5	9.0	2.0	2.8	0.29	0.21	-20.31
2,921.0	0.80	85.70	2,920.5	9.3	3.2	1.9	0.26	0.11	18.19
3,016.0	1.10	76.90	3,015.5	9.6	4.8	0.7	0.35	0.32	-9.26
3,111.0	1.30	84.60	3,110.5	9.9	6.7	-0.8	0.27	0.21	8.11
3,206.0	1.50	89.00	3,205.5	10.0	9.0	-2.8	0.24	0.21	4.63
3,301.0	1.40	126.00	3,300.5	9.3	11.2	-5.0	0.97	-0.11	38.95
3,396.0	1.80	164.10	3,395.4	7.2	12.6	-7.2	1.17	0.42	40.11
3,491.0	1.40	198.40	3,490.4	4.7	12.6	-8.5	1.07	-0.42	36.11
3,586.0	1.20	223.90	3,585.4	2.9	11.5	-8.5	0.64	-0.21	26.84
3,680.0	0.90	243.80	3,679.3	1.8	10.2	-7.9	0.50	-0.32	21.17
3,776.0	0.70	257.10	3,775.3	1.4	9.0	-7.1	0.28	-0.21	13.85
3,871.0	1.00	274.80	3,870.3	1.3	7.6	-5.9	0.42	0.32	18.63
3,966.0	1.30	295.90	3,965.3	1.8	5.8	-4.1	0.54	0.32	22.21
4,060.0	1.60	297.20	4,059.3	2.9	3.6	-1.7	0.32	0.32	1.38
4,155.0	2.10	293.60	4,154.2	4.2	0.9	1.4	0.54	0.53	-3.79
4,250.0	1.40	303.30	4,249.2	5.5	-1.7	4.3	0.80	-0.74	10.21
4,345.0	1.00	301.90	4,344.2	6.6	-3.4	6.2	0.42	-0.42	-1.47
4,440.0	1.10	310.20	4,439.1	7.6	-4.8	8.0	0.19	0.11	8.74
4,534.0	1.20	303.90	4,533.1	8.8	-6.3	9.8	0.17	0.11	-6.70
4,630.0	1.40	298.30	4,629.1	9.9	-8.1	12.0	0.25	0.21	-5.83
4,724.0	1.00	288.90	4,723.1	10.7	-9.9	14.0	0.47	-0.43	-10.00

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Salado Draw 9_16 W0BO Fed Com #2H
Project:	Lea County N. M. Nad (83)	TVD Reference:	3312 + 27 @ 3339.0usft (Patterson 231)
Site:	Section 9_16-26S-33E Salado Draw 9_16 W0BO Fed Com	MD Reference:	3312 + 27 @ 3339.0usft (Patterson 231)
Well:	Salado Draw 9_16 W0BO 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)
4,818.0	1.10	287.40	4,817.1	11.2	-11.6	15.6	0.11	0.11	-1.60
4,863.0	1.10	286.80	4,862.1	11.5	-12.4	16.5	0.03	0.00	-1.33
4,918.0	1.20	292.40	4,917.0	11.9	-13.4	17.6	0.27	0.18	10.18
5,013.0	1.50	315.80	5,012.0	13.1	-15.2	19.8	0.65	0.32	24.63
5,108.0	1.60	352.70	5,107.0	15.3	-16.3	21.8	1.04	0.11	38.84
5,203.0	2.60	10.30	5,201.9	18.8	-16.0	23.3	1.24	1.05	18.53
5,298.0	2.90	6.90	5,296.8	23.3	-15.4	25.0	0.36	0.32	-3.58
5,393.0	2.80	9.90	5,391.7	28.0	-14.7	26.7	0.19	-0.11	3.16
5,488.0	2.60	7.10	5,486.6	32.4	-14.0	28.4	0.25	-0.21	-2.95
5,582.0	2.90	6.20	5,580.5	36.9	-13.5	30.2	0.32	0.32	-0.96
5,678.0	2.90	5.80	5,676.4	41.7	-13.0	32.2	0.02	0.00	-0.42
5,772.0	2.90	6.60	5,770.2	46.4	-12.5	34.1	0.04	0.00	0.85
5,867.0	2.90	6.00	5,865.1	51.2	-11.9	36.1	0.03	0.00	-0.63
5,962.0	2.80	6.60	5,960.0	55.9	-11.4	38.0	0.11	-0.11	0.63
6,056.0	2.80	7.30	6,053.9	60.4	-10.9	39.8	0.04	0.00	0.74
6,150.0	2.90	7.50	6,147.8	65.1	-10.3	41.6	0.11	0.11	0.21
6,245.0	3.00	5.90	6,242.6	69.9	-9.7	43.5	0.14	0.11	-1.68
6,340.0	3.20	8.10	6,337.5	75.0	-9.1	45.6	0.24	0.21	2.32
6,435.0	3.00	6.20	6,432.4	80.1	-8.4	47.6	0.24	-0.21	-2.00
6,530.0	3.10	6.20	6,527.2	85.2	-7.9	49.6	0.11	0.11	0.00
6,624.0	3.30	8.00	6,621.1	90.4	-7.2	51.7	0.24	0.21	1.91
6,719.0	3.30	7.50	6,715.9	95.8	-6.5	53.8	0.03	0.00	-0.53
6,814.0	3.10	6.60	6,810.8	101.0	-5.8	55.9	0.22	-0.21	-0.95
6,909.0	3.20	7.60	6,905.6	106.2	-5.2	57.9	0.12	0.11	1.05
7,003.0	2.90	8.40	6,999.5	111.2	-4.5	59.8	0.32	-0.32	0.85
7,098.0	2.90	10.50	7,094.4	115.9	-3.7	61.5	0.11	0.00	2.21
7,193.0	2.40	12.00	7,189.3	120.2	-2.9	62.9	0.53	-0.53	1.58
7,288.0	2.30	6.60	7,284.2	124.1	-2.2	64.3	0.26	-0.11	-5.68
7,382.0	2.20	3.30	7,378.1	127.7	-1.9	65.9	0.17	-0.11	-3.51
7,477.0	2.30	0.90	7,473.1	131.5	-1.8	67.6	0.14	0.11	-2.53
7,570.0	2.40	355.00	7,566.0	135.3	-1.9	69.7	0.28	0.11	-6.34
7,666.0	2.10	346.70	7,661.9	139.0	-2.5	72.0	0.46	-0.31	-8.65
7,760.0	2.00	346.00	7,755.8	142.2	-3.3	74.4	0.11	-0.11	-0.74
7,855.0	1.60	16.20	7,850.8	145.1	-3.3	75.8	1.07	-0.42	31.79
7,949.0	1.50	13.60	7,944.8	147.6	-2.7	76.5	0.13	-0.11	-2.77
8,045.0	1.80	17.40	8,040.7	150.2	-1.9	77.2	0.33	0.31	3.96
8,141.0	1.40	25.30	8,136.7	152.7	-1.0	77.6	0.47	-0.42	8.23
8,236.0	1.80	21.10	8,231.6	155.2	0.1	78.0	0.44	0.42	-4.42
8,331.0	1.50	20.00	8,326.6	157.7	1.0	78.4	0.32	-0.32	-1.16
8,426.0	2.00	11.90	8,421.6	160.5	1.8	79.2	0.59	0.53	-8.53
8,521.0	2.80	12.40	8,516.5	164.4	2.6	80.4	0.84	0.84	0.53
8,615.0	2.50	9.80	8,610.4	168.7	3.5	81.8	0.34	-0.32	-2.77
8,710.0	2.50	2.60	8,705.3	172.8	3.9	83.5	0.33	0.00	-7.58

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Salado Draw 9_16 W0BO Fed Com #2H
Project:	Lea County N. M. Nad (83)	TVD Reference:	3312 + 27 @ 3339.0usft (Patterson 231)
Site:	Section 9_16-26S-33E Salado Draw 9_16 W0BO Fed Com	MD Reference:	3312 + 27 @ 3339.0usft (Patterson 231)
Well:	Salado Draw 9_16 W0BO 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)
8,805.0	3.10	2.10	8,800.2	177.4	4.1	85.7	0.63	0.63	-0.53
8,900.0	3.10	357.80	8,895.0	182.6	4.1	88.3	0.24	0.00	-4.53
8,994.0	2.90	352.90	8,988.9	187.5	3.7	91.1	0.35	-0.21	-5.21
9,089.0	2.70	345.40	9,083.8	192.0	2.9	94.1	0.44	-0.21	-7.89
9,184.0	3.20	346.60	9,178.7	196.8	1.7	97.5	0.53	0.53	1.26
9,278.0	3.20	338.10	9,272.5	201.8	0.1	101.4	0.50	0.00	-9.04
9,372.0	3.10	335.40	9,366.4	206.5	-1.9	105.5	0.19	-0.11	-2.87
9,467.0	2.60	13.90	9,461.3	210.9	-2.5	108.2	2.04	-0.53	40.53
9,562.0	3.60	20.50	9,556.1	215.8	-0.9	109.3	1.12	1.05	6.95
9,657.0	3.30	18.20	9,651.0	221.2	1.0	110.4	0.35	-0.32	-2.42
9,752.0	2.80	7.30	9,745.8	226.1	2.1	111.9	0.80	-0.53	-11.47
9,847.0	2.60	4.30	9,840.7	230.6	2.6	113.7	0.26	-0.21	-3.16
9,941.0	1.90	349.70	9,934.6	234.2	2.5	115.7	0.96	-0.74	-15.53
10,036.0	2.70	5.20	10,029.6	238.0	2.4	117.6	1.06	0.84	16.32
10,131.0	3.00	2.30	10,124.4	242.7	2.7	119.7	0.35	0.32	-3.05
10,225.0	2.70	348.30	10,218.3	247.3	2.3	122.4	0.80	-0.32	-14.89
10,320.0	2.80	354.20	10,313.2	251.8	1.6	125.2	0.32	0.11	6.21
10,415.0	2.60	353.20	10,408.1	256.3	1.2	127.9	0.22	-0.21	-1.05
10,510.0	3.50	26.60	10,503.0	261.0	2.2	129.4	2.06	0.95	35.16
10,605.0	3.80	30.80	10,597.8	266.3	5.1	129.5	0.42	0.32	4.42
10,700.0	3.20	25.60	10,692.6	271.4	7.9	129.7	0.71	-0.63	-5.47
10,794.0	2.30	7.50	10,786.5	275.6	9.2	130.6	1.32	-0.96	-19.26
10,889.0	2.40	355.30	10,881.4	279.5	9.3	132.5	0.54	0.11	-12.84
10,984.0	1.70	332.50	10,976.4	282.7	8.5	134.8	1.12	-0.74	-24.00
11,079.0	1.10	352.80	11,071.3	284.9	7.7	136.6	0.81	-0.63	21.37
11,175.0	1.70	345.10	11,167.3	287.2	7.3	138.1	0.65	0.63	-8.02
11,269.0	1.40	326.40	11,261.3	289.5	6.3	140.2	0.62	-0.32	-19.89
11,365.0	1.90	296.10	11,357.2	291.2	4.2	142.8	1.03	0.52	-31.56
11,460.0	0.80	244.40	11,452.2	291.6	2.2	144.7	1.62	-1.16	-54.42
11,555.0	0.80	204.20	11,547.2	290.7	1.3	145.0	0.58	0.00	-42.32
11,657.6	1.26	207.08	11,649.8	289.0	0.5	144.9	0.45	0.44	2.81
B.B. Salado Draw 9_16 W0BO Fed Com 2H									
11,690.0	1.40	207.60	11,682.2	288.4	0.2	144.9	0.45	0.45	1.60
11,722.0	2.50	188.30	11,714.2	287.3	-0.1	144.6	3.96	3.44	-60.31
11,753.0	5.10	171.10	11,745.1	285.3	0.0	143.5	9.07	8.39	-55.48
11,785.0	7.50	167.10	11,776.9	281.9	0.7	141.1	7.62	7.50	-12.50
11,816.0	9.70	165.40	11,807.6	277.4	1.8	137.9	7.14	7.10	-5.48
11,848.0	12.00	165.80	11,839.0	271.5	3.3	133.7	7.19	7.19	1.25
11,879.0	13.90	163.00	11,869.2	264.8	5.2	128.7	6.45	6.13	-9.03
11,911.0	15.60	163.70	11,900.1	257.0	7.5	122.8	5.34	5.31	2.19
11,943.0	16.30	166.30	11,930.9	248.5	9.8	116.5	3.13	2.19	8.13
11,969.0	17.70	165.50	11,955.8	241.2	11.6	111.2	5.46	5.38	-3.08

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Salado Draw 9_16 W0BO Fed Com #2H
Project:	Lea County N. M. Nad (83)	TVD Reference:	3312 + 27 @ 3339.0usft (Patterson 231)
Site:	Section 9_16-26S-33E Salado Draw 9_16 W0BO Fed Com	MD Reference:	3312 + 27 @ 3339.0usft (Patterson 231)
Well:	Salado Draw 9_16 W0BO 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)
12,006.0	19.60	167.70	11,990.8	229.7	14.4	103.1	5.47	5.14	5.95
12,038.0	26.90	170.90	12,020.2	217.2	16.6	94.9	23.14	22.81	10.00
12,070.0	36.80	173.40	12,047.4	200.5	18.9	84.5	31.20	30.94	7.81
12,101.0	45.80	175.60	12,070.6	180.2	20.8	72.6	29.40	29.03	7.10
12,132.0	55.20	173.70	12,090.3	156.4	23.1	58.7	30.69	30.32	-6.13
12,164.0	61.50	173.50	12,107.1	129.3	26.1	42.5	19.69	19.69	-0.63
12,195.0	62.10	173.40	12,121.7	102.2	29.2	26.1	1.96	1.94	-0.32
12,227.0	65.30	172.40	12,135.9	73.7	32.8	8.7	10.38	10.00	-3.13
12,258.0	68.20	173.00	12,148.2	45.5	36.4	-8.6	9.52	9.35	1.94
12,290.0	71.50	173.40	12,159.2	15.7	40.0	-26.7	10.38	10.31	1.25
12,322.0	73.50	174.60	12,168.8	-14.7	43.1	-44.7	7.20	6.25	3.75
12,354.0	73.50	175.70	12,177.9	-45.3	45.7	-62.3	3.30	0.00	3.44
12,385.0	74.40	175.70	12,186.5	-75.0	48.0	-79.2	2.90	2.90	0.00
12,417.0	76.50	175.60	12,194.5	-105.8	50.3	-96.7	6.57	6.56	-0.31
12,448.0	79.40	175.50	12,201.0	-136.1	52.7	-114.0	9.36	9.35	-0.32
12,480.0	79.70	175.40	12,206.8	-167.4	55.2	-131.9	0.99	0.94	-0.31
12,499.3	80.66	176.55	12,210.1	-186.4	56.5	-142.6	7.70	4.99	5.95
LP Salado Draw 9_16 W0BO Fed Com 2H									
12,512.0	81.30	177.30	12,212.1	-198.9	57.2	-149.5	7.70	5.01	5.92
12,544.0	85.10	179.80	12,215.8	-230.7	58.0	-166.1	14.18	11.88	7.81
12,607.0	87.90	181.50	12,219.7	-293.6	57.3	-197.1	5.20	4.44	2.70
12,702.0	86.90	181.40	12,224.0	-388.4	54.9	-242.8	1.06	-1.05	-0.11
12,797.0	90.80	181.50	12,225.9	-483.4	52.5	-288.4	4.11	4.11	0.11
12,892.0	90.90	183.00	12,224.5	-578.3	48.7	-332.9	1.58	0.11	1.58
12,987.0	90.50	183.60	12,223.3	-673.1	43.3	-375.9	0.76	-0.42	0.63
13,082.0	89.50	180.60	12,223.3	-768.0	39.8	-420.6	3.33	-1.05	-3.16
13,176.0	88.00	180.80	12,225.4	-862.0	38.6	-466.9	1.61	-1.60	0.21
13,271.0	87.30	181.40	12,229.3	-956.9	36.8	-513.0	0.97	-0.74	0.63
13,365.0	89.00	179.90	12,232.3	-1,050.8	35.7	-559.4	2.41	1.81	-1.60
13,459.0	88.80	176.30	12,234.1	-1,144.8	38.9	-609.3	3.83	-0.21	-3.83
13,554.0	92.60	178.20	12,233.0	-1,239.6	43.4	-660.9	4.47	4.00	2.00
13,648.0	87.40	175.00	12,233.0	-1,333.4	49.0	-712.9	6.49	-5.53	-3.40
13,744.0	94.50	177.10	12,231.4	-1,429.1	55.6	-766.7	7.71	7.40	2.19
13,838.0	92.10	175.50	12,226.0	-1,522.7	61.7	-819.1	3.07	-2.55	-1.70
13,933.0	92.80	176.30	12,221.9	-1,617.4	68.4	-872.5	1.12	0.74	0.84
14,028.0	88.80	176.60	12,220.6	-1,712.2	74.3	-925.3	4.22	-4.21	0.32
14,123.0	89.10	176.50	12,222.3	-1,807.0	80.0	-977.9	0.33	0.32	-0.11
14,218.0	89.30	176.30	12,223.6	-1,901.8	86.0	-1,030.7	0.30	0.21	-0.21
14,313.0	89.20	176.00	12,224.9	-1,996.6	92.4	-1,083.9	0.33	-0.11	-0.32
14,409.0	87.20	176.30	12,227.9	-2,092.3	98.8	-1,137.6	2.11	-2.08	0.31
14,503.0	91.00	177.10	12,229.4	-2,186.1	104.2	-1,189.5	4.13	4.04	0.85
14,598.0	87.30	175.50	12,230.8	-2,280.9	110.4	-1,242.4	4.24	-3.89	-1.68
14,693.0	94.00	181.80	12,229.7	-2,375.8	112.6	-1,292.1	9.68	7.05	6.63

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Salado Draw 9_16 W0BO Fed Com #2H
Project:	Lea County N. M. Nad (83)	TVD Reference:	3312 + 27 @ 3339.0usft (Patterson 231)
Site:	Section 9_16-26S-33E Salado Draw 9_16 W0BO Fed Com	MD Reference:	3312 + 27 @ 3339.0usft (Patterson 231)
Well:	Salado Draw 9_16 W0BO 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)
14,788.0	92.10	182.20	12,224.7	-2,470.6	109.3	-1,336.9	2.04	-2.00	0.42
14,882.0	90.80	181.40	12,222.3	-2,564.5	106.3	-1,381.6	1.62	-1.38	-0.85
14,976.0	91.80	180.60	12,220.1	-2,658.5	104.7	-1,427.4	1.36	1.06	-0.85
15,071.0	90.50	181.40	12,218.2	-2,753.4	103.0	-1,473.7	1.61	-1.37	0.84
15,166.0	88.60	181.70	12,219.0	-2,848.4	100.5	-1,519.3	2.02	-2.00	0.32
15,261.0	90.20	182.60	12,220.0	-2,943.3	96.9	-1,563.9	1.93	1.68	0.95
15,355.0	89.60	180.50	12,220.1	-3,037.3	94.4	-1,609.0	2.32	-0.64	-2.23
15,450.0	88.70	180.10	12,221.6	-3,132.3	93.9	-1,656.3	1.04	-0.95	-0.42
15,545.0	89.60	181.50	12,223.0	-3,227.2	92.5	-1,702.9	1.75	0.95	1.47
15,640.0	89.70	179.90	12,223.5	-3,322.2	91.4	-1,749.7	1.69	0.11	-1.68
15,734.0	89.10	179.30	12,224.5	-3,416.2	92.0	-1,797.5	0.90	-0.64	-0.64
15,828.0	90.00	180.80	12,225.3	-3,510.2	92.0	-1,844.7	1.86	0.96	1.60
15,923.0	90.50	180.60	12,224.8	-3,605.2	90.8	-1,891.5	0.57	0.53	-0.21
16,018.0	91.60	180.80	12,223.1	-3,700.2	89.6	-1,938.2	1.18	1.16	0.21
16,112.0	89.40	179.40	12,222.3	-3,794.2	89.5	-1,985.4	2.77	-2.34	-1.49
16,207.0	89.10	179.90	12,223.5	-3,889.1	90.0	-2,033.6	0.61	-0.32	0.53
16,301.0	89.60	180.50	12,224.6	-3,983.1	89.7	-2,080.6	0.83	0.53	0.64
16,395.0	90.20	181.00	12,224.8	-4,077.1	88.5	-2,126.8	0.83	0.64	0.53
16,490.0	91.20	181.60	12,223.6	-4,172.1	86.3	-2,172.7	1.23	1.05	0.63
16,584.0	88.20	179.80	12,224.1	-4,266.1	85.2	-2,219.0	3.72	-3.19	-1.91
16,679.0	88.70	179.50	12,226.7	-4,361.0	85.8	-2,267.2	0.61	0.53	-0.32
16,774.0	88.70	178.90	12,228.8	-4,456.0	87.1	-2,316.2	0.63	0.00	-0.63
16,868.0	88.70	177.90	12,231.0	-4,549.9	89.7	-2,365.7	1.06	0.00	-1.06
16,963.0	91.40	182.10	12,230.9	-4,644.9	89.7	-2,413.4	5.26	2.84	4.42
17,057.0	91.20	181.50	12,228.7	-4,738.8	86.8	-2,458.1	0.67	-0.21	-0.64
17,151.0	90.50	180.80	12,227.3	-4,832.8	84.9	-2,503.7	1.05	-0.74	-0.74
17,246.0	90.30	180.00	12,226.7	-4,927.8	84.2	-2,550.9	0.87	-0.21	-0.84
17,341.0	90.40	179.40	12,226.1	-5,022.8	84.7	-2,599.1	0.64	0.11	-0.63
17,435.0	91.60	180.50	12,224.5	-5,116.8	84.8	-2,646.5	1.73	1.28	1.17
17,528.0	91.90	180.20	12,221.6	-5,209.7	84.2	-2,692.7	0.46	0.32	-0.32
17,622.0	90.70	178.90	12,219.5	-5,303.7	85.0	-2,740.6	1.88	-1.28	-1.38
17,716.0	89.50	178.00	12,219.3	-5,397.7	87.5	-2,790.1	1.60	-1.28	-0.96
17,811.0	89.50	177.70	12,220.1	-5,492.6	91.1	-2,840.9	0.32	0.00	-0.32
17,908.0	89.80	177.50	12,220.7	-5,589.5	95.1	-2,893.1	0.37	0.31	-0.21
18,003.0	89.00	177.00	12,221.7	-5,684.4	99.7	-2,944.8	0.99	-0.84	-0.53
18,098.0	89.50	177.70	12,223.0	-5,779.3	104.1	-2,996.3	0.91	0.53	0.74
18,193.0	87.60	175.70	12,225.4	-5,874.1	109.5	-3,048.7	2.90	-2.00	-2.11
18,288.0	91.20	179.70	12,226.4	-5,969.0	113.4	-3,099.7	5.66	3.79	4.21
18,383.0	90.60	179.70	12,224.9	-6,064.0	113.9	-3,147.9	0.63	-0.63	0.00
18,478.0	91.40	180.10	12,223.2	-6,158.9	114.0	-3,195.8	0.94	0.84	0.42
18,572.0	90.50	179.30	12,221.7	-6,252.9	114.5	-3,243.5	1.28	-0.96	-0.85
18,668.0	92.10	179.20	12,219.5	-6,348.9	115.8	-3,292.9	1.67	1.67	-0.10
18,763.0	91.60	179.80	12,216.4	-6,443.8	116.6	-3,341.3	0.82	-0.53	0.63

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Salado Draw 9_16 W0BO Fed Com #2H
Project:	Lea County N. M. Nad (83)	TVD Reference:	3312 + 27 @ 3339.0usft (Patterson 231)
Site:	Section 9_16-26S-33E Salado Draw 9_16 W0BO Fed Com	MD Reference:	3312 + 27 @ 3339.0usft (Patterson 231)
Well:	Salado Draw 9_16 W0BO 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)
18,858.0	89.20	179.60	12,215.8	-6,538.8	117.1	-3,389.5	2.54	-2.53	-0.21
18,953.0	88.50	178.80	12,217.7	-6,633.8	118.4	-3,438.4	1.12	-0.74	-0.84
19,048.0	89.20	178.70	12,219.6	-6,728.8	120.5	-3,488.0	0.74	0.74	-0.11
19,143.0	90.20	180.60	12,220.1	-6,823.7	121.1	-3,536.2	2.26	1.05	2.00
19,238.0	87.60	179.40	12,221.9	-6,918.7	121.1	-3,584.0	3.01	-2.74	-1.26
19,333.0	89.90	180.90	12,224.0	-7,013.7	120.8	-3,631.5	2.89	2.42	1.58
19,428.0	88.30	180.30	12,225.5	-7,108.7	119.8	-3,678.4	1.80	-1.68	-0.63
19,524.0	90.50	182.50	12,226.5	-7,204.6	117.5	-3,724.7	3.24	2.29	2.29
19,618.0	89.80	182.10	12,226.2	-7,298.5	113.7	-3,768.6	0.86	-0.74	-0.43
19,714.0	89.20	181.60	12,227.1	-7,394.5	110.6	-3,814.2	0.81	-0.63	-0.52
19,809.0	88.70	181.20	12,228.8	-7,489.4	108.3	-3,860.0	0.67	-0.53	-0.42
19,904.0	91.10	181.80	12,229.0	-7,584.4	105.8	-3,905.6	2.60	2.53	0.63
19,999.0	89.30	180.90	12,228.6	-7,679.4	103.6	-3,951.4	2.12	-1.89	-0.95
20,094.0	88.00	179.60	12,230.9	-7,774.3	103.2	-3,998.8	1.93	-1.37	-1.37
20,189.0	89.40	180.40	12,233.0	-7,869.3	103.2	-4,046.6	1.70	1.47	0.84
20,284.0	89.20	180.00	12,234.2	-7,964.3	102.8	-4,094.0	0.47	-0.21	-0.42
20,379.0	88.20	179.40	12,236.3	-8,059.3	103.3	-4,142.2	1.23	-1.05	-0.63
20,473.0	89.20	178.30	12,238.5	-8,153.2	105.2	-4,191.1	1.58	1.06	-1.17
20,568.0	89.30	177.70	12,239.7	-8,248.2	108.5	-4,241.7	0.64	0.11	-0.63
20,663.0	86.70	177.70	12,243.0	-8,343.0	112.3	-4,292.7	2.74	-2.74	0.00
20,758.0	86.20	177.20	12,248.9	-8,437.7	116.5	-4,344.0	0.74	-0.53	-0.53
20,854.0	87.80	177.10	12,253.9	-8,533.5	121.3	-4,396.3	1.67	1.67	-0.10
20,949.0	88.30	177.20	12,257.2	-8,628.3	126.0	-4,448.0	0.54	0.53	0.11
21,044.0	87.90	176.70	12,260.3	-8,723.1	131.1	-4,500.1	0.67	-0.42	-0.53
21,139.0	89.80	177.60	12,262.2	-8,818.0	135.8	-4,551.9	2.21	2.00	0.95
21,234.0	90.40	178.10	12,262.1	-8,912.9	139.4	-4,602.7	0.82	0.63	0.53
21,328.0	89.60	177.90	12,262.1	-9,006.9	142.7	-4,652.8	0.88	-0.85	-0.21
21,423.0	88.50	177.40	12,263.6	-9,101.8	146.5	-4,703.8	1.27	-1.16	-0.53
21,518.0	87.50	176.60	12,267.0	-9,196.6	151.5	-4,755.8	1.35	-1.05	-0.84
21,614.0	88.10	177.20	12,270.6	-9,292.4	156.7	-4,808.5	0.88	0.63	0.63
21,709.0	88.10	177.40	12,273.8	-9,387.2	161.2	-4,860.0	0.21	0.00	0.21
21,804.0	89.90	178.60	12,275.4	-9,482.1	164.5	-4,910.6	2.28	1.89	1.26
21,898.0	90.20	178.60	12,275.4	-9,576.1	166.8	-4,959.9	0.32	0.32	0.00
21,994.0	89.90	177.90	12,275.3	-9,672.1	169.7	-5,010.7	0.79	-0.31	-0.73
22,089.0	90.50	178.00	12,275.0	-9,767.0	173.1	-5,061.3	0.64	0.63	0.11
22,185.0	89.90	177.60	12,274.6	-9,862.9	176.8	-5,112.8	0.75	-0.63	-0.42
22,237.4	89.90	177.60	12,274.7	-9,915.3	179.0	-5,141.0	0.00	0.00	0.00
PBHL Salado Draw 9_16 W0BO Fed Com 2H									
22,240.0	89.90	177.60	12,274.7	-9,917.9	179.1	-5,142.4	0.00	0.00	0.00
22249.0' MD Projected to Bit									

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Salado Draw 9_16 W0BO Fed Com #2H
Project:	Lea County N. M. Nad (83)	TVD Reference:	3312 + 27 @ 3339.0usft (Patterson 231)
Site:	Section 9_16-26S-33E Salado Draw 9_16 W0BO Fed Com	MD Reference:	3312 + 27 @ 3339.0usft (Patterson 231)
Well:	Salado Draw 9_16 W0BO Fed Com #2H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
22,240.0	12,274.7	-9,917.9	179.1	22249.0' MD Projected to Bit



May 4, 2018

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

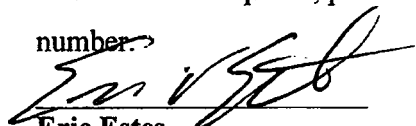
Attn: Jackie Lathan

Re: Mewbourne Oil Company
Salado Draw 9 16 W0BO Federal Com #002H
Upper Wolfcamp
Lea County, New Mexico
API# 30-025-44497

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>
Matt Kiel	Original Hole	907ft. to 22,240ft.	03-7-18 to 04-12-18	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\Salado Draw 9 16 W0BO Federal Com #002H\M181033

STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.
P.O. Box 1250
Montgomery, TX 77356
Office (936) 582-7296 * Fax (936)-588-4163



May 4, 2018

Survey Certification Report

STATE OF TEXAS

COUNTY OF Montgomery

I, Eric Estes, certify that I am employed by STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C., and that I did on the day(s) of March 7, 2018, through April 12, 2018 conduct or supervise the taking of a SEDS Original Hole MWD Survey from a depth of 907 feet to a depth of 22,240 feet; that I am authorized and qualified to make this report; that this survey was conducted at the request of Mewbourne Oil Company, for the Salado Draw 9 16 W0BO Federal Com #002H well, API # 30-025-44497 in Lea County, New Mexico; and that I have reviewed this report and find that it conforms to the principles as set forth by STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.

Eric Estes

STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.

**STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.
P.O. Box 1250
Montgomery, TX 77356
Office (936) 582-7296 * Fax (936)-588-4163**



Microsoft
MWD Surveys



Company: Mewbourne Oil Company
Project: Lea County N. M. Nad (83)
Site: Section 9_16-26S-33E Salado Draw 9_16 W0BO
Well: Salado Draw 9_16 W0BO Fed Com #2H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Salado Draw 9_16 W0BO Fed Com #2H
TVD Reference: 3312 + 27 @ 3339.0usft (Patterson 231)
MD Reference: 3312 + 27 @ 3339.0usft (Patterson 231)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Stryker_EDM

Project	Lea 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 9_16-26S-33E Salado Draw 9_16 W0BO Fed Com		
Site Position:		Northing:	387,996.30 usft
From:	Map	Easting:	775,887.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 3' 51.911 N
		Longitude:	103° 34' 34.222 W
		Grid Convergence:	0.40 °

Well	Salado Draw 9_16 W0BO Fed Com #2H		
Well Position	+N/-S	0.0 usft	Northing: 387,996.30 usft
	+E/-W	0.0 usft	Easting: 775,887.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	27.0 usft
		Latitude:	32° 3' 51.911 N
		Longitude:	103° 34' 34.222 W
		Ground Level:	3,312.0 usft

Wellbore	Original Hole		
Magnetics	Model Name	Sample Date	Declination
	IGRF2015	2/20/2018	(°) 6.87
			Dip Angle 59.91
			(°)
			Field Strength 47,773.79809670
			(nT)

Design	Original Hole		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction 300.19
			(°)



Microsoft MWD Surveys



Company: Mewbourne Oil Company
Project: Lea County N. M. Nad (83)
Site: Section 9_16-26S-33E Salado Draw 9_16 W0BO
Well: Salado Draw 9_16 W0BO Fed Com #2H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Salado Draw 9_16 W0BO Fed Com #2H
TVD Reference: 3312 + 27 @ 3339.0usft (Patterson 231)
MD Reference: 3312 + 27 @ 3339.0usft (Patterson 231)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Stryker_EDM

Survey Program		Date	4/12/2018		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
100.0	900.0	Phoenix Gyro Survey (Original Hole)	SRG-GYRO-MS	surface readout gyro multishot	
907.0	22,240.0	MWD Survey #2 (Original Hole)	MWD	MWD v3:standard declination	

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	
900.0	1.46	216.29	899.9	-3.8	-7.4	8.3	242.59	Tie-In
907.0	1.57	189.11	906.9	-4.0	-7.5	8.5	241.80	
1,027.0	1.70	212.60	1,026.9	-7.1	-8.7	11.2	230.62	
1,122.0	1.50	214.50	1,121.8	-9.3	-10.1	13.8	227.37	
1,217.0	0.60	32.60	1,216.8	-9.9	-10.6	14.5	226.77	
1,311.0	1.50	35.60	1,310.8	-8.5	-9.6	12.8	228.38	
1,405.0	1.60	34.90	1,404.8	-6.4	-8.1	10.4	231.57	
1,500.0	1.50	37.50	1,499.7	-4.4	-6.6	7.9	236.52	
1,594.0	1.50	37.80	1,593.7	-2.4	-5.1	5.7	244.61	
1,689.0	1.40	24.00	1,688.7	-0.4	-3.9	3.9	264.39	
1,783.0	1.40	21.10	1,782.7	1.7	-3.0	3.5	300.19	
1,880.0	1.30	12.40	1,879.6	3.9	-2.3	4.6	329.30	
1,975.0	1.30	8.60	1,974.6	6.0	-1.9	6.3	342.23	
2,070.0	1.40	6.00	2,069.6	8.3	-1.7	8.4	348.68	
2,164.0	0.40	22.40	2,163.6	9.7	-1.4	9.8	351.75	
2,259.0	0.30	153.80	2,258.6	9.8	-1.2	9.9	353.17	
2,354.0	0.30	147.10	2,353.6	9.4	-0.9	9.4	354.34	
2,448.0	0.40	99.60	2,447.6	9.1	-0.5	9.1	357.05	
2,542.0	0.20	104.30	2,541.6	9.0	0.0	9.0	0.08	
2,637.0	0.30	108.70	2,636.6	8.9	0.4	8.9	2.64	
2,731.0	0.50	88.10	2,730.6	8.8	1.1	8.9	6.81	



Microsoft
MWD Surveys



Company: Mewbourne Oil Company
Project: Lea County N. M. Nad (83)
Site: Section 9_16-26S-33E Salado Draw 9_16 W0BO
Well: Salado Draw 9_16 W0BO Fed Com #2H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Salado Draw 9_16 W0BO Fed Com #2H
TVD Reference: 3312 + 27 @ 3339.0usft (Patterson 231)
MD Reference: 3312 + 27 @ 3339.0usft (Patterson 231)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Stryker_EDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)
2,827.0	0.70	68.60	2,826.5	9.0	2.0	9.3	12.58
2,921.0	0.80	85.70	2,920.5	9.3	3.2	9.8	19.02
3,016.0	1.10	76.90	3,015.5	9.6	4.8	10.7	26.46
3,111.0	1.30	84.60	3,110.5	9.9	6.7	11.9	34.25
3,206.0	1.50	89.00	3,205.5	10.0	9.0	13.5	42.13
3,301.0	1.40	126.00	3,300.5	9.3	11.2	14.6	50.25
3,396.0	1.80	164.10	3,395.4	7.2	12.6	14.5	60.15
3,491.0	1.40	198.40	3,490.4	4.7	12.6	13.4	69.66
3,586.0	1.20	223.90	3,585.4	2.9	11.5	11.9	76.12
3,680.0	0.90	243.80	3,679.3	1.8	10.2	10.4	79.89
3,776.0	0.70	257.10	3,775.3	1.4	9.0	9.1	81.39
3,871.0	1.00	274.80	3,870.3	1.3	7.6	7.7	80.28
3,966.0	1.30	295.90	3,965.3	1.8	5.8	6.1	72.35
4,060.0	1.60	297.20	4,059.3	2.9	3.6	4.7	51.46
4,155.0	2.10	293.60	4,154.2	4.2	0.9	4.3	11.66
4,250.0	1.40	303.30	4,249.2	5.5	-1.7	5.8	342.96
4,345.0	1.00	301.90	4,344.2	6.6	-3.4	7.4	332.99
4,440.0	1.10	310.20	4,439.1	7.6	-4.8	9.0	328.01
4,534.0	1.20	303.90	4,533.1	8.8	-6.3	10.8	324.41
4,630.0	1.40	298.30	4,629.1	9.9	-8.1	12.8	320.52
4,724.0	1.00	288.90	4,723.1	10.7	-9.9	14.6	317.13
4,818.0	1.10	287.40	4,817.1	11.2	-11.6	16.1	314.16
4,863.0	1.10	286.80	4,862.1	11.5	-12.4	16.9	312.83
4,918.0	1.20	292.40	4,917.0	11.9	-13.4	17.9	311.44
5,013.0	1.50	315.80	5,012.0	13.1	-15.2	20.1	310.79
5,108.0	1.60	352.70	5,107.0	15.3	-16.3	22.3	313.34
5,203.0	2.60	10.30	5,201.9	18.8	-16.0	24.7	319.49

Company: Mewbourne Oil Company
Project: Lea County N. M. Nad (83)
Site: Section 9_16-26S-33E Salado Draw 9_16 W0BO
Well: Salado Draw 9_16 W0BO Fed Com #2H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Salado Draw 9_16 W0BO Fed Com #2H
TVD Reference: 3312 + 27 @ 3339.0usft (Patterson 231)
MD Reference: 3312 + 27 @ 3339.0usft (Patterson 231)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Stryker_EDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)
5,298.0	2.90	6.90	5,296.8	23.3	-15.4	27.9	326.58
5,393.0	2.80	9.90	5,391.7	28.0	-14.7	31.6	332.30
5,488.0	2.60	7.10	5,486.6	32.4	-14.0	35.3	336.60
5,582.0	2.90	6.20	5,580.5	36.9	-13.5	39.2	339.89
5,678.0	2.90	5.80	5,676.4	41.7	-13.0	43.7	342.70
5,772.0	2.90	6.60	5,770.2	46.4	-12.5	48.1	344.96
5,867.0	2.90	6.00	5,865.1	51.2	-11.9	52.6	346.87
5,962.0	2.80	6.60	5,960.0	55.9	-11.4	57.0	348.45
6,056.0	2.80	7.30	6,053.9	60.4	-10.9	61.4	349.81
6,150.0	2.90	7.50	6,147.8	65.1	-10.3	65.9	351.04
6,245.0	3.00	5.90	6,242.6	69.9	-9.7	70.6	352.11
6,340.0	3.20	8.10	6,337.5	75.0	-9.1	75.6	353.11
6,435.0	3.00	6.20	6,432.4	80.1	-8.4	80.6	354.00
6,530.0	3.10	6.20	6,527.2	85.2	-7.9	85.5	354.71
6,624.0	3.30	8.00	6,621.1	90.4	-7.2	90.6	355.43
6,719.0	3.30	7.50	6,715.9	95.8	-6.5	96.0	356.12
6,814.0	3.10	6.60	6,810.8	101.0	-5.8	101.2	356.69
6,909.0	3.20	7.60	6,905.6	106.2	-5.2	106.3	357.20
7,003.0	2.90	8.40	6,999.5	111.2	-4.5	111.3	357.68
7,098.0	2.90	10.50	7,094.4	115.9	-3.7	116.0	358.17
7,193.0	2.40	12.00	7,189.3	120.2	-2.9	120.3	358.64
7,288.0	2.30	6.60	7,284.2	124.1	-2.2	124.1	358.97
7,382.0	2.20	3.30	7,378.1	127.7	-1.9	127.7	359.15
7,477.0	2.30	0.90	7,473.1	131.5	-1.8	131.5	359.23
7,570.0	2.40	355.00	7,566.0	135.3	-1.9	135.3	359.19
7,666.0	2.10	346.70	7,661.9	139.0	-2.5	139.0	358.97
7,760.0	2.00	346.00	7,755.8	142.2	-3.3	142.3	358.68

Company: Mewbourne Oil Company
Project: Lea County N. M. Nad (83)
Site: Section 9_16-26S-33E Salado Draw 9_16 W0BO
Well: Salado Draw 9_16 W0BO Fed Com #2H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Salado Draw 9_16 W0BO Fed Com #2H
TVD Reference: 3312 + 27 @ 3339.0usft (Patterson 231)
MD Reference: 3312 + 27 @ 3339.0usft (Patterson 231)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Stryker_EDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)
7,855.0	1.60	16.20	7,850.8	145.1	-3.3	145.2	358.69
7,949.0	1.50	13.60	7,944.8	147.6	-2.7	147.6	358.97
8,045.0	1.80	17.40	8,040.7	150.2	-1.9	150.3	359.27
8,141.0	1.40	25.30	8,136.7	152.7	-1.0	152.7	359.64
8,236.0	1.80	21.10	8,231.6	155.2	0.1	155.2	0.03
8,331.0	1.50	20.00	8,326.6	157.7	1.0	157.8	0.38
8,426.0	2.00	11.90	8,421.6	160.5	1.8	160.5	0.64
8,521.0	2.80	12.40	8,516.5	164.4	2.6	164.4	0.92
8,615.0	2.50	9.80	8,610.4	168.7	3.5	168.7	1.18
8,710.0	2.50	2.60	8,705.3	172.8	3.9	172.8	1.30
8,805.0	3.10	2.10	8,800.2	177.4	4.1	177.5	1.33
8,900.0	3.10	357.80	8,895.0	182.6	4.1	182.6	1.29
8,994.0	2.90	352.90	8,988.9	187.5	3.7	187.5	1.14
9,089.0	2.70	345.40	9,083.8	192.0	2.9	192.0	0.85
9,184.0	3.20	346.60	9,178.7	196.8	1.7	196.8	0.49
9,278.0	3.20	338.10	9,272.5	201.8	0.1	201.8	0.03
9,372.0	3.10	335.40	9,366.4	206.5	-1.9	206.5	359.46
9,467.0	2.60	13.90	9,461.3	210.9	-2.5	210.9	359.32
9,562.0	3.60	20.50	9,556.1	215.8	-0.9	215.8	359.75
9,657.0	3.30	18.20	9,651.0	221.2	1.0	221.2	0.25
9,752.0	2.80	7.30	9,745.8	226.1	2.1	226.1	0.54
9,847.0	2.60	4.30	9,840.7	230.6	2.6	230.6	0.64
9,941.0	1.90	349.70	9,934.6	234.2	2.5	234.2	0.60
10,036.0	2.70	5.20	10,029.6	238.0	2.4	238.0	0.57
10,131.0	3.00	2.30	10,124.4	242.7	2.7	242.7	0.63
10,225.0	2.70	348.30	10,218.3	247.3	2.3	247.3	0.54
10,320.0	2.80	354.20	10,313.2	251.8	1.6	251.8	0.37

Company: Mewbourne Oil Company
Project: Lea County N. M. Nad (83)
Site: Section 9_16-26S-33E Salado Draw 9_16 W0BO
Well: Salado Draw 9_16 W0BO Fed Com #2H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Salado Draw 9_16 W0BO Fed Com #2H
TVD Reference: 3312 + 27 @ 3339.0usft (Patterson 231)
MD Reference: 3312 + 27 @ 3339.0usft (Patterson 231)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Stryker_EDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)
10,415.0	2.60	353.20	10,408.1	256.3	1.2	256.3	0.26
10,510.0	3.50	26.60	10,503.0	261.0	2.2	261.0	0.48
10,605.0	3.80	30.80	10,597.8	266.3	5.1	266.4	1.10
10,700.0	3.20	25.60	10,692.6	271.4	7.9	271.5	1.66
10,794.0	2.30	7.50	10,786.5	275.6	9.2	275.8	1.92
10,889.0	2.40	355.30	10,881.4	279.5	9.3	279.7	1.91
10,984.0	1.70	332.50	10,976.4	282.7	8.5	282.9	1.72
11,079.0	1.10	352.80	11,071.3	284.9	7.7	285.0	1.56
11,175.0	1.70	345.10	11,167.3	287.2	7.3	287.3	1.45
11,269.0	1.40	326.40	11,261.3	289.5	6.3	289.6	1.24
11,365.0	1.90	296.10	11,357.2	291.2	4.2	291.2	0.83
11,460.0	0.80	244.40	11,452.2	291.6	2.2	291.6	0.43
11,555.0	0.80	204.20	11,547.2	290.7	1.3	290.7	0.26
11,657.6	1.26	207.08	11,649.8	289.0	0.5	289.0	0.10
B.B. Salado Draw 9_16 W0BO Fed Com 2H							
11,690.0	1.40	207.60	11,682.2	288.4	0.2	288.4	0.03
11,722.0	2.50	188.30	11,714.2	287.3	-0.1	287.3	359.98
11,753.0	5.10	171.10	11,745.1	285.3	0.0	285.3	360.00
11,785.0	7.50	167.10	11,776.9	281.9	0.7	281.9	0.14
11,816.0	9.70	165.40	11,807.6	277.4	1.8	277.4	0.37
11,848.0	12.00	165.80	11,839.0	271.5	3.3	271.5	0.69
11,879.0	13.90	163.00	11,869.2	264.8	5.2	264.9	1.12
11,911.0	15.60	163.70	11,900.1	257.0	7.5	257.1	1.67
11,943.0	16.30	166.30	11,930.9	248.5	9.8	248.7	2.25
11,969.0	17.70	165.50	11,955.8	241.2	11.6	241.4	2.76
12,006.0	19.60	167.70	11,990.8	229.7	14.4	230.1	3.58
12,038.0	26.90	170.90	12,020.2	217.2	16.6	217.9	4.38

Company: Mewbourne Oil Company
Project: Lea County N. M. Nad (83)
Site: Section 9_16-26S-33E Salado Draw 9_16 W0BO
Well: Salado Draw 9_16 W0BO Fed Com #2H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Salado Draw 9_16 W0BO Fed Com #2H
TVD Reference: 3312 + 27 @ 3339.0usft (Patterson 231)
MD Reference: 3312 + 27 @ 3339.0usft (Patterson 231)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Stryker_EDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)
12,070.0	36.80	173.40	12,047.4	200.5	18.9	201.4	5.38
12,101.0	45.80	175.60	12,070.6	180.2	20.8	181.4	6.59
12,132.0	55.20	173.70	12,090.3	156.4	23.1	158.1	8.39
12,164.0	61.50	173.50	12,107.1	129.3	26.1	132.0	11.41
12,195.0	62.10	173.40	12,121.7	102.2	29.2	106.3	15.96
12,227.0	65.30	172.40	12,135.9	73.7	32.8	80.7	23.97
12,258.0	68.20	173.00	12,148.2	45.5	36.4	58.3	38.66
12,290.0	71.50	173.40	12,159.2	15.7	40.0	42.9	68.59
12,322.0	73.50	174.60	12,168.8	-14.7	43.1	45.6	108.80
12,354.0	73.50	175.70	12,177.9	-45.3	45.7	64.3	134.70
12,385.0	74.40	175.70	12,186.5	-75.0	48.0	89.0	147.39
12,417.0	76.50	175.60	12,194.5	-105.8	50.3	117.2	154.58
12,448.0	79.40	175.50	12,201.0	-136.1	52.7	145.9	158.84
12,480.0	79.70	175.40	12,206.8	-167.4	55.2	176.3	161.76
12,499.3	80.66	176.55	12,210.1	-186.4	56.5	194.8	163.14
LP Salado Draw 9_16 W0BO Fed Com 2H							
12,512.0	81.30	177.30	12,212.1	-198.9	57.2	207.0	163.97
12,544.0	85.10	179.80	12,215.8	-230.7	58.0	237.9	165.89
12,607.0	87.90	181.50	12,219.7	-293.6	57.3	299.1	168.96
12,702.0	86.90	181.40	12,224.0	-388.4	54.9	392.3	171.96
12,797.0	90.80	181.50	12,225.9	-483.4	52.5	486.2	173.81
12,892.0	90.90	183.00	12,224.5	-578.3	48.7	580.3	175.18
12,987.0	90.50	183.60	12,223.3	-673.1	43.3	674.5	176.32
13,082.0	89.50	180.60	12,223.3	-768.0	39.8	769.1	177.04
13,176.0	88.00	180.80	12,225.4	-862.0	38.6	862.9	177.43
13,271.0	87.30	181.40	12,229.3	-956.9	36.8	957.6	177.80
13,365.0	89.00	179.90	12,232.3	-1,050.8	35.7	1,051.5	178.05



Microsoft
MWD Surveys



Company: Mewbourne Oil Company
Project: Lea County N. M. Nad (83)
Site: Section 9_16-26S-33E Salado Draw 9_16 W0BO
Well: Salado Draw 9_16 W0BO Fed Com #2H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Salado Draw 9_16 W0BO Fed Com #2H
TVD Reference: 3312 + 27 @ 3339.0usft (Patterson 231)
MD Reference: 3312 + 27 @ 3339.0usft (Patterson 231)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Stryker_EDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)
13,459.0	88.80	176.30	12,234.1	-1,144.8	38.9	1,145.4	178.06
13,554.0	92.60	178.20	12,233.0	-1,239.6	43.4	1,240.4	177.99
13,648.0	87.40	175.00	12,233.0	-1,333.4	49.0	1,334.3	177.90
13,744.0	94.50	177.10	12,231.4	-1,429.1	55.6	1,430.2	177.77
13,838.0	92.10	175.50	12,226.0	-1,522.7	61.7	1,524.0	177.68
13,933.0	92.80	176.30	12,221.9	-1,617.4	68.4	1,618.9	177.58
14,028.0	88.80	176.60	12,220.6	-1,712.2	74.3	1,713.8	177.51
14,123.0	89.10	176.50	12,222.3	-1,807.0	80.0	1,808.8	177.46
14,218.0	89.30	176.30	12,223.6	-1,901.8	86.0	1,903.8	177.41
14,313.0	89.20	176.00	12,224.9	-1,996.6	92.4	1,998.7	177.35
14,409.0	87.20	176.30	12,227.9	-2,092.3	98.8	2,094.7	177.30
14,503.0	91.00	177.10	12,229.4	-2,186.1	104.2	2,188.6	177.27
14,598.0	87.30	175.50	12,230.8	-2,280.9	110.4	2,283.6	177.23
14,693.0	94.00	181.80	12,229.7	-2,375.8	112.6	2,378.4	177.29
14,788.0	92.10	182.20	12,224.7	-2,470.6	109.3	2,473.0	177.47
14,882.0	90.80	181.40	12,222.3	-2,564.5	106.3	2,566.7	177.63
14,976.0	91.80	180.60	12,220.1	-2,658.5	104.7	2,660.5	177.74
15,071.0	90.50	181.40	12,218.2	-2,753.4	103.0	2,755.4	177.86
15,166.0	88.60	181.70	12,219.0	-2,848.4	100.5	2,850.2	177.98
15,261.0	90.20	182.60	12,220.0	-2,943.3	96.9	2,944.9	178.11
15,355.0	89.60	180.50	12,220.1	-3,037.3	94.4	3,038.7	178.22
15,450.0	88.70	180.10	12,221.6	-3,132.3	93.9	3,133.7	178.28
15,545.0	89.60	181.50	12,223.0	-3,227.2	92.5	3,228.6	178.36
15,640.0	89.70	179.90	12,223.5	-3,322.2	91.4	3,323.5	178.42
15,734.0	89.10	179.30	12,224.5	-3,416.2	92.0	3,417.4	178.46
15,828.0	90.00	180.80	12,225.3	-3,510.2	92.0	3,511.4	178.50
15,923.0	90.50	180.60	12,224.8	-3,605.2	90.8	3,606.3	178.56

Company: Mewbourne Oil Company
Project: Lea County N. M. Nad (83)
Site: Section 9_16-26S-33E Salado Draw 9_16 W0BO
Well: Salado Draw 9_16 W0BO Fed Com #2H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Salado Draw 9_16 W0BO Fed Com #2H
TVD Reference: 3312 + 27 @ 3339.0usft (Patterson 231)
MD Reference: 3312 + 27 @ 3339.0usft (Patterson 231)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Stryker_EDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)
16,018.0	91.60	180.80	12,223.1	-3,700.2	89.6	3,701.3	178.61
16,112.0	89.40	179.40	12,222.3	-3,794.2	89.5	3,795.2	178.65
16,207.0	89.10	179.90	12,223.5	-3,889.1	90.0	3,890.2	178.67
16,301.0	89.60	180.50	12,224.6	-3,983.1	89.7	3,984.2	178.71
16,395.0	90.20	181.00	12,224.8	-4,077.1	88.5	4,078.1	178.76
16,490.0	91.20	181.60	12,223.6	-4,172.1	86.3	4,173.0	178.81
16,584.0	88.20	179.80	12,224.1	-4,266.1	85.2	4,266.9	178.86
16,679.0	88.70	179.50	12,226.7	-4,361.0	85.8	4,361.9	178.87
16,774.0	88.70	178.90	12,228.8	-4,456.0	87.1	4,456.9	178.88
16,868.0	88.70	177.90	12,231.0	-4,549.9	89.7	4,550.8	178.87
16,963.0	91.40	182.10	12,230.9	-4,644.9	89.7	4,645.8	178.89
17,057.0	91.20	181.50	12,228.7	-4,738.8	86.8	4,739.6	178.95
17,151.0	90.50	180.80	12,227.3	-4,832.8	84.9	4,833.6	178.99
17,246.0	90.30	180.00	12,226.7	-4,927.8	84.2	4,928.5	179.02
17,341.0	90.40	179.40	12,226.1	-5,022.8	84.7	5,023.5	179.03
17,435.0	91.60	180.50	12,224.5	-5,116.8	84.8	5,117.5	179.05
17,528.0	91.90	180.20	12,221.6	-5,209.7	84.2	5,210.4	179.07
17,622.0	90.70	178.90	12,219.5	-5,303.7	85.0	5,304.4	179.08
17,716.0	89.50	178.00	12,219.3	-5,397.7	87.5	5,398.4	179.07
17,811.0	89.50	177.70	12,220.1	-5,492.6	91.1	5,493.4	179.05
17,908.0	89.80	177.50	12,220.7	-5,589.5	95.1	5,590.3	179.02
18,003.0	89.00	177.00	12,221.7	-5,684.4	99.7	5,685.3	179.00
18,098.0	89.50	177.70	12,223.0	-5,779.3	104.1	5,780.2	178.97
18,193.0	87.60	175.70	12,225.4	-5,874.1	109.5	5,875.1	178.93
18,288.0	91.20	179.70	12,226.4	-5,969.0	113.4	5,970.0	178.91
18,383.0	90.60	179.70	12,224.9	-6,064.0	113.9	6,065.0	178.92
18,478.0	91.40	180.10	12,223.2	-6,158.9	114.0	6,160.0	178.94

Company: Mewbourne Oil Company
Project: Lea County N. M. Nad (83)
Site: Section 9_16-26S-33E Salado Draw 9_16 W0BO
Well: Salado Draw 9_16 W0BO Fed Com #2H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Salado Draw 9_16 W0BO Fed Com #2H
TVD Reference: 3312 + 27 @ 3339.0usft (Patterson 231)
MD Reference: 3312 + 27 @ 3339.0usft (Patterson 231)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Stryker_EDM

Survey

MD (usft)	Inc. (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)
18,572.0	90.50	179.30	12,221.7	-6,252.9	114.5	6,254.0	178.95
18,668.0	92.10	179.20	12,219.5	-6,348.9	115.8	6,349.9	178.96
18,763.0	91.60	179.80	12,216.4	-6,443.8	116.6	6,444.9	178.96
18,858.0	89.20	179.60	12,215.8	-6,538.8	117.1	6,539.9	178.97
18,953.0	88.50	178.80	12,217.7	-6,633.8	118.4	6,634.9	178.98
19,048.0	89.20	178.70	12,219.6	-6,728.8	120.5	6,729.8	178.97
19,143.0	90.20	180.60	12,220.1	-6,823.7	121.1	6,824.8	178.98
19,238.0	87.60	179.40	12,221.9	-6,918.7	121.1	6,919.8	179.00
19,333.0	89.90	180.90	12,224.0	-7,013.7	120.8	7,014.7	179.01
19,428.0	88.30	180.30	12,225.5	-7,108.7	119.8	7,109.7	179.03
19,524.0	90.50	182.50	12,226.5	-7,204.6	117.5	7,205.6	179.07
19,618.0	89.80	182.10	12,226.2	-7,298.5	113.7	7,299.4	179.11
19,714.0	89.20	181.60	12,227.1	-7,394.5	110.6	7,395.3	179.14
19,809.0	88.70	181.20	12,228.8	-7,489.4	108.3	7,490.2	179.17
19,904.0	91.10	181.80	12,229.0	-7,584.4	105.8	7,585.1	179.20
19,999.0	89.30	180.90	12,228.6	-7,679.4	103.6	7,680.1	179.23
20,094.0	88.00	179.60	12,230.9	-7,774.3	103.2	7,775.0	179.24
20,189.0	89.40	180.40	12,233.0	-7,869.3	103.2	7,870.0	179.25
20,284.0	89.20	180.00	12,234.2	-7,964.3	102.8	7,965.0	179.26
20,379.0	88.20	179.40	12,236.3	-8,059.3	103.3	8,059.9	179.27
20,473.0	89.20	178.30	12,238.5	-8,153.2	105.2	8,153.9	179.26
20,568.0	89.30	177.70	12,239.7	-8,248.2	108.5	8,248.9	179.25
20,663.0	86.70	177.70	12,243.0	-8,343.0	112.3	8,343.8	179.23
20,758.0	86.20	177.20	12,248.9	-8,437.7	116.5	8,438.6	179.21
20,854.0	87.80	177.10	12,253.9	-8,533.5	121.3	8,534.4	179.19
20,949.0	88.30	177.20	12,257.2	-8,628.3	126.0	8,629.2	179.16
21,044.0	87.90	176.70	12,260.3	-8,723.1	131.1	8,724.1	179.14

Company: Mewbourne Oil Company
Project: Lea County N. M. Nad (83)
Site: Section 9_16-26S-33E Salado Draw 9_16 W0BO
Well: Salado Draw 9_16 W0BO Fed Com #2H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Salado Draw 9_16 W0BO Fed Com #2H
TVD Reference: 3312 + 27 @ 3339.0usft (Patterson 231)
MD Reference: 3312 + 27 @ 3339.0usft (Patterson 231)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Stryker_EDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)
21,139.0	89.80	177.60	12,262.2	-8,818.0	135.8	8,819.0	179.12
21,234.0	90.40	178.10	12,262.1	-8,912.9	139.4	8,914.0	179.10
21,328.0	89.60	177.90	12,262.1	-9,006.9	142.7	9,008.0	179.09
21,423.0	88.50	177.40	12,263.6	-9,101.8	146.5	9,103.0	179.08
21,518.0	87.50	176.60	12,267.0	-9,196.6	151.5	9,197.8	179.06
21,614.0	88.10	177.20	12,270.6	-9,292.4	156.7	9,293.7	179.03
21,709.0	88.10	177.40	12,273.8	-9,387.2	161.2	9,388.6	179.02
21,804.0	89.90	178.60	12,275.4	-9,482.1	164.5	9,483.6	179.01
21,898.0	90.20	178.60	12,275.4	-9,576.1	166.8	9,577.6	179.00
21,994.0	89.90	177.90	12,275.3	-9,672.1	169.7	9,673.5	178.99
22,089.0	90.50	178.00	12,275.0	-9,767.0	173.1	9,768.5	178.98
22,185.0	89.90	177.60	12,274.6	-9,862.9	176.8	9,864.5	178.97
22,237.4	89.90	177.60	12,274.7	-9,915.3	179.0	9,916.9	178.97
PBHL Salado Draw 9_16 W0BO Fed Com 2H							
22,240.0	89.90	177.60	12,274.7	-9,917.9	179.1	9,919.5	178.97
22249.0' MD Projected to Bit							

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N-S (usft)	+E-W (usft)	
22,240.0	12,274.7	-9,917.9	179.1	22249.0' MD Projected to Bit