

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NMOOD

Hobbs

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other			5. Lease Serial No. NMNM0127A		
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Flow			6. If Indian, Allottee or Tribe Name		
Other			7. Unit or CA Agreement Name and No.		
2. Name of Operator MEWBOURNE OIL COMPANY			Contact: JACKIE LATHAN E-Mail: jlathan@mewbourne.com		
3. Address PO BOX 5270 HOBBS, NM 88241			3a. Phone No. (include area code) Ph: 575-393-5905		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Sec 9 T26S R33E Mer NMP NENE 330FNL 210FEL At top prod interval reported below Sec 9 T26S R33E Mer NMP NENE 332FNL 440FEL At total depth Sec 16 T26S R33E Mer NMP SESE 100FSL 431FEL			8. Lease Name and Well No. SALADO DRAW 9/16 W1AP FED COM 2H		
14. Date Spudded 10/24/2018			15. Date T.D. Reached 12/19/2018		
16. Date Completed ☐ D & A ☒ Ready to Prod. 06/13/2019			9. API Well No. 30-025-44913		
18. Total Depth: MD 22825 TVD 12626			19. Plug Back T.D.: MD 22819 TVD 12626		
20. Depth Bridge Plug Set: MD TVD			10. Field and Pool, or Exploratory RED HILLS WOLFCAMP		
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CCL, CNL, CBL & GR			11. Sec., T., R., M., or Block and Survey or Area Sec 9 T26S R33E Mer NMP		
22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit analysis) Directional Survey? ☐ No ☒ Yes (Submit analysis)			12. County or Parish LEA		
			13. State NM		
			17. Elevations (DF, KB, RT, GL)* 3332 GL		

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20.000	16.000 J55	65.0	0	1040		950	280	0	
13.500	10.750 HCL80	45.5	0	4945		1100	501	0	
9.875	7.625 HCP110	29.7	0	11458		875	411	4645	
6.750	5.500 HCP110	23.0	0	22795		625	276	0	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	12188	22825	12672 TO 22608	0.390	2160	OPEN
B)						
C)						
D)						

26. Perforation Record

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
12672 TO 22608	24,951,276 GALS SLICKWATER CARRYING 10,825,850# LOCAL 100 MESH SAND & 10,924,710# LOCAL 40/70 SAND

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
06/13/2019	06/15/2019	24	→	648.0	1172.0	2808.0	48.0	0.79	FLUYS FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
18/64	SI	3200.0	→	648	1172	2808	1808	POW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #472374 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

Reclamation due: 12/13/2019



COMPANY: Mewbourne Oil Company
WELL: Salado Draw 9/16 W1AP Fed Com #2H
COUNTY: Lea County N. M. Nad (83)
DATUM: North American Datum 1983
RIG: Patterson 231

STRYKER
DIRECTIONAL

OFFICE: 936.582.7294

GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 6.38°

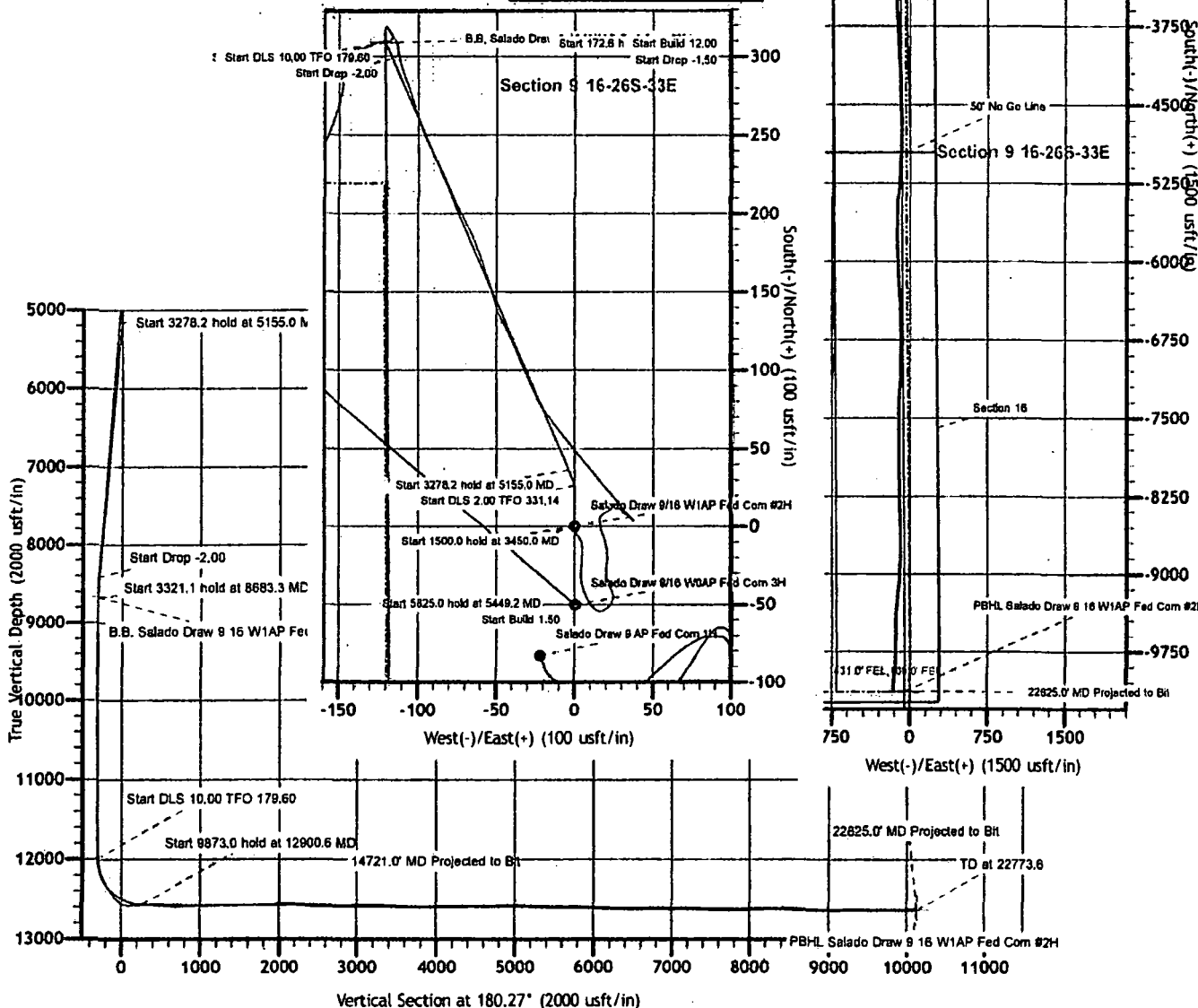
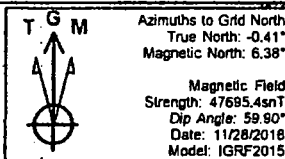
GEODETIC ZONE: New Mexico Eastern Zone
3332 + 27 @ 3359.0usft (Patterson 231)
GROUND ELEVATION: 3332.0

+N-S	+E-W	Northing	Easting	Latitude	Longitude
0.0	0.0	387986.60	777986.70	32° 3' 51.689 N	103° 34' 9.823 W

PLAN SECTIONS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dieg	TFace	VSecl	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	3400.0	0.00	0.00	3400.0	0.0	0.0	0.00	0.00	0.0	
3	3450.0	1.00	0.00	3450.0	0.4	0.0	2.00	0.00	-0.4	
4	4950.0	1.00	0.00	4949.8	26.6	0.0	0.00	0.00	-26.6	
5	5155.0	5.00	336.67	5154.5	36.8	-3.5	2.00	331.14	-36.6	
6	8433.3	5.00	336.67	8420.3	299.0	-116.7	0.00	0.00	-298.4	
7	8883.3	0.00	0.00	8870.0	309.0	-121.0	2.00	180.00	-308.4	
8	12004.4	0.00	0.00	11991.1	308.0	-121.0	0.00	0.00	-308.4	
9	12900.6	89.62	179.60	12564.0	-260.2	-117.0	10.00	179.80	260.7	
10	22773.6	89.62	179.60	12629.0	-10132.7	-47.8	0.00	0.00	10132.8	PBHL Salado Draw 9 16 W1AP Fed Com #2H

SHL: 310° FNL; 2310° FEL
Section 9-26S-33E
PBHL: 100° FSL; 330° FEL
Section 16-26S-33E





Mewbourne Oil Company

Lea County N. M. Nad (83)

Section 9 16-26S-33E Salado Draw 9/16 W1AP Fed Com

Salado Draw 9/16 W1AP Fed Com #2H

Original Hole

Design: Original Hole

Standard Survey Report

03 January, 2019





Microsoft Survey Report



Company: Mewbourne Oil Company
Project: Lea County N. M. Nad (83)
Site: Section 9 16-26S-33E Salado Draw 9/16 W1AP Fed Com
Well: Salado Draw 9/16 W1AP Fed Com #2H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Salado Draw 9/16 W1AP Fed Com #2H
TVD Reference: 3332 + 27 @ 3359.0usft (Patterson 231)
MD Reference: 3332 + 27 @ 3359.0usft (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 W1AP Fed Com

Site Position: Northing: 387,986.60 usft Latitude: 32° 3' 51.669 N
From: Map Easting: 777,986.70 usft Longitude: 103° 34' 9.823 W
Position Uncertainty: 0.0 usft Slot Radius: 13-3/16 " Grid Convergence: 0.41 °

Well Salado Draw 9/16 W1AP Fed Com #2H

Well Position +N/-S 0.0 usft Northing: 387,986.60 usft Latitude: 32° 3' 51.669 N
+E/-W 0.0 usft Easting: 777,986.70 usft Longitude: 103° 34' 9.823 W
Position Uncertainty 0.0 usft Wellhead Elevation: 27.0 usft Ground Level: 3,332.0 usft

Wellbore Original Hole

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	11/28/18	6.78	59.90	47,695.35536257

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	183.69

Survey Program Date 01/03/19

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.0	14,656.0	Intrepid Survey (Original Hole)	MWD	MWD v3:standard declination
14,762.0	22,825.0	Survey #2 (Original Hole)		

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Buid 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	0.20	240.50	100.0	-0.1	-0.2	0.1	0.20	0.20	0.00
200.0	0.20	218.00	200.0	-0.3	-0.4	0.3	0.08	0.00	-22.50
300.0	0.30	220.60	300.0	-0.6	-0.7	0.7	0.10	0.10	2.60
400.0	0.40	294.40	400.0	-0.7	-1.2	0.8	0.43	0.10	73.80
500.0	0.40	332.90	500.0	-0.2	-1.7	0.4	0.26	0.00	38.50
600.0	0.20	14.80	600.0	0.2	-1.8	-0.1	0.28	-0.20	41.90
700.0	0.20	198.70	700.0	0.2	-1.8	-0.1	0.40	0.00	-176.10
800.0	0.20	203.90	800.0	-0.1	-1.9	0.2	0.02	0.00	5.20



Microsoft Survey Report



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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)
900.0	0.10	219.40	900.0	-0.3	-2.0	0.4	0.11	-0.10	15.50
975.0	0.40	131.00	975.0	-0.5	-1.9	0.7	0.55	0.40	-117.87
1,134.0	0.90	139.50	1,134.0	-1.9	-0.6	1.9	0.32	0.31	5.35
1,228.0	0.90	145.30	1,228.0	-3.0	0.3	3.0	0.10	0.00	6.17
1,322.0	1.10	140.60	1,322.0	-4.3	1.2	4.2	0.23	0.21	-5.00
1,418.0	1.30	144.70	1,417.9	-5.9	2.5	5.8	0.23	0.21	4.27
1,512.0	1.50	152.60	1,511.9	-7.9	3.6	7.6	0.30	0.21	8.40
1,607.0	1.60	164.00	1,606.9	-10.3	4.6	9.9	0.34	0.11	12.00
1,701.0	1.60	178.10	1,700.8	-12.8	5.0	12.5	0.42	0.00	15.00
1,795.0	2.10	183.00	1,794.8	-15.9	4.9	15.5	0.56	0.53	5.21
1,890.0	2.30	183.20	1,889.7	-19.5	4.7	19.2	0.21	0.21	0.21
1,985.0	2.50	185.10	1,984.6	-23.5	4.5	23.1	0.23	0.21	2.00
2,082.0	2.50	182.50	2,081.5	-27.7	4.2	27.4	0.12	0.00	-2.68
2,176.0	2.40	178.40	2,175.5	-31.7	4.1	31.4	0.21	-0.11	-4.36
2,271.0	2.70	167.60	2,270.4	-35.9	4.7	35.5	0.59	0.32	-11.37
2,367.0	2.80	164.20	2,366.2	-40.4	5.8	39.9	0.20	0.10	-3.54
2,461.0	3.10	156.70	2,460.1	-44.9	7.4	44.3	0.52	0.32	-7.98
2,556.0	3.50	145.20	2,555.0	-49.6	10.1	48.9	0.81	0.42	-12.11
2,650.0	2.70	123.20	2,648.8	-53.2	13.6	52.2	1.51	-0.85	-23.40
2,745.0	1.90	77.90	2,743.8	-54.1	17.0	52.9	2.02	-0.84	-47.68
2,839.0	2.90	49.50	2,837.7	-52.2	20.3	50.8	1.62	1.06	-30.21
2,934.0	2.70	33.60	2,932.6	-48.8	23.4	47.2	0.84	-0.21	-16.74
3,029.0	2.30	359.80	3,027.5	-45.0	24.6	43.4	1.58	-0.42	-35.58
3,123.0	3.00	335.30	3,121.4	-40.9	23.6	39.3	1.40	0.74	-26.06
3,217.0	3.10	339.40	3,215.3	-36.3	21.7	34.8	0.26	0.11	4.36
3,312.0	3.00	348.90	3,310.1	-31.5	20.3	30.1	0.54	-0.11	10.00
3,407.0	3.20	8.40	3,405.0	-26.4	20.2	25.0	1.12	0.21	20.53
3,501.0	3.20	4.60	3,498.8	-21.2	20.8	19.8	0.23	0.00	-4.04
3,597.0	4.60	351.90	3,594.6	-14.7	20.5	13.4	1.71	1.46	-13.23
3,691.0	4.10	340.50	3,688.3	-7.8	18.8	6.6	1.06	-0.53	-12.13
3,787.0	4.20	339.20	3,784.1	-1.3	16.4	0.2	0.14	0.10	-1.35
3,882.0	2.10	12.80	3,879.0	3.7	15.6	-4.7	2.85	-2.21	35.37
3,977.0	1.50	22.80	3,973.9	6.5	16.4	-7.6	0.71	-0.63	10.53
4,071.0	1.50	51.00	4,067.9	8.4	17.9	-9.6	0.78	0.00	30.00
4,166.0	2.10	62.90	4,162.8	10.0	20.4	-11.3	0.74	0.63	12.53
4,261.0	2.20	43.80	4,257.8	12.1	23.2	-13.6	0.76	0.11	-20.11
4,355.0	0.80	14.10	4,351.7	14.0	24.6	-15.6	1.66	-1.49	-31.60
4,450.0	0.70	327.60	4,446.7	15.2	24.5	-16.7	0.63	-0.11	-48.95
4,545.0	0.70	137.90	4,541.7	15.2	24.5	-16.8	1.47	0.00	179.26
4,641.0	1.40	126.00	4,637.7	14.1	25.9	-15.7	0.76	0.73	-12.40
4,736.0	2.60	129.70	4,732.6	12.1	28.5	-13.9	1.27	1.26	3.89
4,886.0	2.60	137.80	4,882.5	7.4	33.4	-9.5	0.24	0.00	5.40



Microsoft Survey Report



Company: Mewbourne Oil Company
Project: Lea County N. M. Nad (83)
Site: Section 9 16-26S-33E Salado Draw 9/16 W1AP Fed Com
Well: Salado Draw 9/16 W1AP Fed Com #2H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Salado Draw 9/16 W1AP Fed Com #2H
TVD Reference: 3332 + 27 @ 3359.0usft (Patterson 231)
MD Reference: 3332 + 27 @ 3359.0usft (Patterson 231)
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)
5,020.0	2.30	129.70	5,016.4	3.4	37.5	-5.8	0.34	-0.22	-6.04
5,115.0	3.50	317.00	5,111.3	4.3	37.0	-6.7	6.09	1.26	-181.79
5,209.0	5.50	322.40	5,205.0	10.0	32.3	-12.0	2.17	2.13	5.74
5,303.0	6.00	320.80	5,298.6	17.3	26.4	-19.0	0.56	0.53	-1.70
5,398.0	5.90	316.40	5,393.0	24.7	19.9	-26.0	0.49	-0.11	-4.63
5,492.0	7.00	322.70	5,486.4	32.8	13.1	-33.6	1.39	1.17	6.70
5,587.0	6.80	322.50	5,580.8	41.8	6.2	-42.2	0.21	-0.21	-0.21
5,681.0	6.60	321.00	5,674.1	50.5	-0.6	-50.3	0.28	-0.21	-1.60
5,776.0	6.40	320.90	5,768.5	58.8	-7.4	-58.2	0.21	-0.21	-0.11
5,870.0	5.80	323.20	5,862.0	66.7	-13.5	-65.7	0.69	-0.64	2.45
5,965.0	5.30	322.70	5,956.5	74.0	-19.1	-72.6	0.53	-0.53	-0.53
6,059.0	5.60	335.10	6,050.1	81.6	-23.6	-79.9	1.29	0.32	13.19
6,155.0	6.00	335.50	6,145.6	90.4	-27.7	-88.5	0.42	0.42	0.42
6,250.0	5.70	337.70	6,240.1	99.3	-31.5	-97.1	0.39	-0.32	2.32
6,344.0	5.50	335.80	6,333.7	107.8	-35.2	-105.3	0.29	-0.21	-2.02
6,440.0	5.70	336.90	6,429.2	116.3	-38.9	-113.6	0.24	0.21	1.15
6,534.0	5.50	335.00	6,522.8	124.7	-42.6	-121.7	0.29	-0.21	-2.02
6,629.0	5.10	333.60	6,617.4	132.6	-46.4	-129.4	0.44	-0.42	-1.47
6,724.0	5.80	341.60	6,711.9	141.0	-49.8	-137.5	1.09	0.74	8.42
6,819.0	6.10	343.60	6,806.4	150.4	-52.8	-146.6	0.38	0.32	2.11
6,914.0	5.70	342.50	6,900.9	159.7	-55.6	-155.8	0.44	-0.42	-1.16
7,008.0	5.10	340.10	6,994.5	168.1	-58.4	-164.0	0.68	-0.64	-2.55
7,103.0	5.00	339.90	7,089.1	175.9	-61.3	-171.6	0.11	-0.11	-0.21
7,197.0	4.70	338.10	7,182.8	183.4	-64.2	-178.8	0.36	-0.32	-1.91
7,292.0	3.90	333.50	7,277.5	189.9	-67.0	-185.2	0.92	-0.84	-4.84
7,387.0	5.00	332.70	7,372.2	196.4	-70.4	-191.5	1.16	1.16	-0.84
7,482.0	6.30	333.40	7,466.8	204.8	-74.6	-199.5	1.37	1.37	0.74
7,577.0	6.30	336.30	7,561.2	214.2	-79.0	-208.7	0.33	0.00	3.05
7,672.0	5.60	335.60	7,655.7	223.2	-83.1	-217.4	0.74	-0.74	-0.74
7,767.0	5.20	332.40	7,750.3	231.2	-87.0	-225.2	0.53	-0.42	-3.37
7,862.0	4.80	335.30	7,844.9	238.7	-90.6	-232.3	0.50	-0.42	3.05
7,957.0	4.70	332.80	7,939.6	245.7	-94.1	-239.2	0.24	-0.11	-2.63
8,051.0	5.80	339.90	8,033.2	253.6	-97.5	-246.8	1.36	1.17	7.55
8,146.0	5.80	344.00	8,127.7	262.7	-100.4	-255.7	0.44	0.00	4.32
8,241.0	5.60	342.50	8,222.2	271.8	-103.1	-264.6	0.26	-0.21	-1.58
8,336.0	5.40	340.60	8,316.8	280.4	-106.0	-273.0	0.28	-0.21	-2.00
8,435.0	4.80	341.20	8,415.4	288.7	-108.9	-281.1	0.61	-0.61	0.61
8,529.0	4.30	345.70	8,509.1	295.9	-111.0	-288.1	0.65	-0.53	4.79
8,623.0	4.10	351.30	8,602.8	302.6	-112.4	-294.7	0.49	-0.21	5.96
8,690.5	2.68	352.14	8,670.2	306.5	-113.0	-288.6	2.11	-2.11	1.24
B.B. Salado Draw 9 16 W1AP Fed Com #2H									
8,718.0	2.10	352.80	8,697.7	307.7	-113.2	-299.8	2.11	-2.10	2.42
8,813.0	0.90	318.00	8,792.7	310.0	-113.9	-302.0	1.53	-1.26	-36.63



Microsoft Survey Report



Company: Mewbourne Oil Company
Project: Lea County N. M. Nad (83)
Site: Section 9 16-26S-33E Salado Draw 9/16 W1AP Fed Com
Well: Salado Draw 9/16 W1AP Fed Com #2H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Salado Draw 9/16 W1AP Fed Com #2H
TVD Reference: 3332 + 27 @ 3359.0usft (Patterson 231)
MD Reference: 3332 + 27 @ 3359.0usft (Patterson 231)
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)
8,907.0	0.90	313.30	8,886.7	311.0	-114.9	-303.0	0.08	0.00	-5.00
9,002.0	1.10	321.20	8,981.6	312.2	-116.0	-304.1	0.26	0.21	8.32
9,097.0	1.20	330.90	9,076.6	313.8	-117.1	-305.6	0.23	0.11	10.21
9,191.0	1.50	327.60	9,170.6	315.7	-118.2	-307.5	0.33	0.32	-3.51
9,286.0	1.70	323.80	9,265.6	317.9	-119.7	-309.6	0.24	0.21	-4.00
9,380.0	0.60	23.50	9,359.5	319.5	-120.3	-311.1	1.59	-1.17	63.51
9,475.0	1.40	144.50	9,454.5	319.0	-119.5	-310.7	1.88	0.84	127.37
9,570.0	1.70	153.90	9,549.5	316.8	-118.2	-308.5	0.41	0.32	9.89
9,665.0	1.10	148.30	9,644.5	314.7	-117.1	-306.6	0.65	-0.63	-5.89
9,760.0	0.60	163.60	9,739.5	313.5	-116.5	-305.4	0.57	-0.53	16.11
9,854.0	0.50	186.10	9,833.5	312.6	-116.4	-304.5	0.34	-0.11	34.57
9,948.0	0.40	182.60	9,927.5	311.9	-116.6	-303.8	0.15	-0.11	-14.36
10,044.0	0.30	156.70	10,023.5	311.3	-116.5	-303.2	0.19	-0.10	-26.98
10,139.0	0.20	149.60	10,118.5	311.0	-116.3	-302.8	0.11	-0.11	-7.47
10,233.0	0.10	299.70	10,212.5	310.9	-116.3	-302.7	0.31	-0.11	159.68
10,328.0	0.50	266.60	10,307.5	310.9	-116.8	-302.7	0.44	0.42	-34.84
10,423.0	0.60	258.40	10,402.4	310.8	-117.7	-302.5	0.13	0.11	-8.63
10,517.0	0.10	299.80	10,496.4	310.7	-118.2	-302.5	0.56	-0.53	44.04
10,611.0	0.10	15.00	10,590.4	310.8	-118.3	-302.6	0.13	0.00	80.00
10,705.0	0.10	227.40	10,684.4	310.8	-118.3	-302.6	0.20	0.00	-157.02
10,800.0	0.50	236.80	10,779.4	310.6	-118.7	-302.3	0.42	0.42	9.89
10,894.0	0.80	245.00	10,873.4	310.1	-119.7	-301.7	0.33	0.32	8.72
10,987.0	1.20	269.70	10,966.4	309.8	-121.2	-301.3	0.62	0.43	26.56
11,082.0	1.10	264.70	11,061.4	309.7	-123.1	-301.1	0.15	-0.11	-5.26
11,176.0	1.30	254.20	11,155.4	309.3	-125.0	-300.6	0.32	0.21	-11.17
11,271.0	1.50	241.90	11,250.4	308.4	-127.2	-299.6	0.38	0.21	-12.95
11,365.0	1.60	238.50	11,344.3	307.2	-129.4	-298.2	0.14	0.11	-3.62
11,414.0	1.80	250.00	11,393.3	306.6	-130.7	-297.5	0.81	0.41	23.47
11,498.0	1.90	260.10	11,477.3	305.9	-133.3	-296.7	0.41	0.12	12.02
11,593.0	1.80	261.50	11,572.2	305.4	-136.3	-296.0	0.12	-0.11	1.47
11,687.0	2.20	265.20	11,666.1	305.0	-139.6	-295.4	0.45	0.43	3.94
11,782.0	1.80	213.60	11,761.1	303.6	-142.2	-293.8	1.87	-0.42	-54.32
11,877.0	2.00	210.60	11,856.0	300.9	-143.9	-291.1	0.24	0.21	-3.16
11,970.0	2.10	203.20	11,949.0	298.0	-145.4	-288.0	0.30	0.11	-7.96
12,002.0	2.80	184.70	11,981.0	296.7	-145.7	-286.7	3.27	2.19	-57.81
12,033.0	5.10	183.90	12,011.9	294.5	-145.8	-284.5	7.42	7.42	-2.58
12,065.0	6.70	188.20	12,043.7	291.3	-146.2	-281.3	5.18	5.00	13.44
12,096.0	11.20	187.00	12,074.3	286.5	-146.8	-276.4	14.53	14.52	-3.87
12,128.0	16.20	187.60	12,105.4	279.0	-147.8	-268.9	15.63	15.63	1.88
12,160.0	17.20	196.50	12,136.1	270.0	-149.7	-259.8	8.57	3.13	27.81
12,192.0	18.40	199.80	12,166.5	260.7	-152.8	-250.3	4.90	3.75	10.31
12,224.0	20.50	202.00	12,196.7	250.8	-156.6	-240.2	6.95	6.56	6.88



Microsoft Survey Report



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Well: Salado Draw 9/16 W1AP Fed Com #2H
Wellbore: Original Hole
Design: Original Hole

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TVD Reference: 3332 + 27 @ 3359.0usft (Patterson 231)
MD Reference: 3332 + 27 @ 3359.0usft (Patterson 231)
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)	Bulld Rate (°/100usft)	Turn Rate (°/100usft)
12,255.0	23.40	204.60	12,225.5	240.1	-161.2	-229.3	9.86	9.35	8.39
12,286.0	27.20	206.80	12,253.5	228.2	-167.0	-217.0	12.63	12.26	7.10
12,318.0	28.70	205.50	12,281.7	214.7	-173.6	-203.1	5.06	4.69	-4.06
12,350.0	29.10	205.90	12,309.8	200.8	-180.3	-188.8	1.39	1.25	1.25
12,378.0	30.70	206.70	12,334.0	188.3	-186.5	-175.9	5.89	5.71	2.86
12,410.0	32.40	207.50	12,361.3	173.4	-194.1	-160.6	5.47	5.31	2.50
12,441.0	34.60	202.90	12,387.1	157.9	-201.3	-144.6	10.83	7.10	-14.84
12,473.0	37.20	196.50	12,413.1	140.3	-207.6	-126.6	14.26	8.13	-20.00
12,505.0	39.90	193.00	12,438.1	121.0	-212.7	-107.0	10.84	8.44	-10.94
12,536.0	40.60	192.30	12,461.8	101.4	-217.1	-87.3	2.69	2.26	-2.26
12,568.0	40.40	190.00	12,486.1	81.0	-221.1	-66.7	4.71	-0.63	-7.19
12,599.0	43.50	188.70	12,509.2	60.6	-224.5	-46.0	10.39	10.00	-4.19
12,630.0	49.50	187.00	12,530.5	38.3	-227.5	-23.6	19.76	19.35	-5.48
12,661.0	59.10	184.60	12,548.6	13.3	-230.0	1.5	31.60	30.97	-7.74
12,693.0	68.70	183.90	12,562.6	-15.3	-232.1	30.2	30.06	30.00	-2.19
12,713.0	74.20	183.10	12,569.0	-34.2	-233.3	49.2	27.76	27.50	-4.00
12,730.0	79.70	181.70	12,572.8	-50.8	-234.0	65.7	33.33	32.35	-8.24
12,761.0	87.70	179.30	12,576.2	-81.5	-234.2	96.4	26.93	25.81	-7.74
12,793.0	90.70	176.60	12,576.7	-113.5	-233.1	128.3	12.61	9.38	-8.44
12,856.0	93.00	175.60	12,574.6	-176.3	-228.8	190.7	3.98	3.65	-1.59
12,951.0	93.00	172.40	12,569.7	-270.7	-218.9	284.2	3.36	0.00	-3.37
12,982.0	91.30	171.60	12,568.5	-301.3	-214.6	314.5	6.06	-5.48	-2.58
13,014.0	90.70	171.70	12,567.9	-333.0	-209.9	345.8	1.90	-1.88	0.31
13,045.0	85.70	170.10	12,568.9	-363.6	-205.0	376.0	16.93	-16.13	-5.16
13,140.0	83.30	169.50	12,578.0	-456.6	-188.3	467.8	2.60	-2.53	-0.63
13,235.0	85.50	172.30	12,587.3	-550.0	-173.4	560.0	3.74	2.32	2.95
13,329.0	87.70	173.30	12,592.9	-643.1	-161.6	652.1	2.57	2.34	1.06
13,423.0	90.90	174.10	12,594.0	-736.5	-151.3	744.7	3.51	3.40	0.85
13,518.0	91.30	174.60	12,592.2	-831.0	-141.9	838.4	0.67	0.42	0.53
13,613.0	93.00	176.20	12,588.6	-925.6	-134.3	932.4	2.46	1.79	1.68
13,708.0	91.50	177.20	12,584.9	-1,020.4	-128.9	1,026.6	1.90	-1.58	1.05
13,803.0	91.80	177.50	12,582.1	-1,115.3	-124.5	1,121.0	0.45	0.32	0.32
13,899.0	91.30	178.10	12,579.6	-1,211.2	-120.8	1,216.4	0.81	-0.52	0.63
13,993.0	91.90	178.80	12,576.9	-1,305.1	-118.2	1,310.0	0.98	0.64	0.74
14,089.0	89.20	179.90	12,576.0	-1,401.1	-117.2	1,405.7	3.04	-2.81	1.15
14,184.0	90.60	181.50	12,576.2	-1,496.0	-118.3	1,500.6	2.24	1.47	1.68
14,278.0	91.60	179.80	12,574.4	-1,590.0	-119.4	1,594.4	2.10	1.06	-1.81
14,373.0	92.00	182.00	12,571.4	-1,685.0	-120.9	1,689.2	2.35	0.42	2.32
14,468.0	92.40	182.50	12,567.7	-1,779.8	-124.6	1,784.1	0.67	0.42	0.53
14,562.0	91.60	181.80	12,564.5	-1,873.7	-128.1	1,878.0	1.13	-0.85	-0.74
14,656.0	91.60	181.00	12,561.8	-1,967.6	-130.4	1,971.9	0.85	0.00	-0.85
14,762.0	89.50	178.90	12,560.8	-2,073.6	-130.3	2,077.7	2.80	-1.98	-1.98
14,857.0	87.60	179.00	12,563.2	-2,168.6	-128.6	2,172.3	2.00	-2.00	0.11



Microsoft
Survey Report



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Site: Section 9 16-26S-33E Salado Draw 9/16 W1AP Fed Com
Well: Salado Draw 9/16 W1AP Fed Com #2H
Wellbore: Original Hole
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Local Co-ordinate Reference: Well Salado Draw 9/16 W1AP Fed Com #2H
TVD Reference: 3332 + 27 @ 3359.0usft (Patterson 231)
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North Reference: Grid
Survey Calculation Method: Minimum Curvature
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Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
14,952.0	87.10	179.50	12,567.6	-2,263.4	-127.3	2,266.9	0.74	-0.53	0.53
15,047.0	86.70	181.80	12,572.7	-2,358.3	-128.4	2,361.7	2.45	-0.42	2.42
15,142.0	87.60	181.30	12,577.5	-2,453.1	-131.0	2,456.5	1.08	0.95	-0.53
15,236.0	87.30	179.20	12,581.7	-2,547.0	-131.4	2,550.2	2.25	-0.32	-2.23
15,331.0	87.70	178.90	12,585.8	-2,641.9	-129.8	2,644.8	0.53	0.42	-0.32
15,426.0	90.60	179.40	12,587.2	-2,736.9	-128.4	2,739.5	3.10	3.05	0.53
15,521.0	91.70	180.20	12,585.3	-2,831.9	-128.1	2,834.3	1.43	1.16	0.84
15,615.0	91.50	181.40	12,582.7	-2,925.8	-129.4	2,928.1	1.29	-0.21	1.28
15,710.0	89.70	180.70	12,581.7	-3,020.8	-131.1	3,023.0	2.03	-1.89	-0.74
15,805.0	90.90	179.60	12,581.2	-3,115.8	-131.4	3,117.8	1.71	1.26	-1.16
15,900.0	89.00	179.10	12,581.3	-3,210.8	-130.3	3,212.5	2.07	-2.00	-0.53
15,993.0	88.10	178.60	12,583.6	-3,303.7	-128.4	3,305.2	1.11	-0.97	-0.54
16,087.0	88.30	179.50	12,586.6	-3,397.7	-126.9	3,398.8	0.98	0.21	0.96
16,182.0	87.60	179.80	12,590.0	-3,492.6	-126.3	3,493.5	0.80	-0.74	0.32
16,277.0	89.10	177.70	12,592.7	-3,587.5	-124.2	3,588.1	2.72	1.58	-2.21
16,372.0	89.10	177.10	12,594.2	-3,682.4	-119.9	3,682.5	0.63	0.00	-0.63
16,467.0	89.00	177.00	12,595.8	-3,777.3	-115.0	3,776.9	0.15	-0.11	-0.11
16,563.0	91.70	177.10	12,595.2	-3,873.2	-110.1	3,872.2	2.81	2.81	0.10
16,657.0	91.10	177.00	12,592.9	-3,967.0	-105.3	3,965.6	0.65	-0.64	-0.11
16,752.0	90.00	176.40	12,592.0	-4,061.8	-99.8	4,059.9	1.32	-1.16	-0.63
16,848.0	90.50	176.80	12,591.6	-4,157.7	-94.1	4,155.1	0.67	0.52	0.42
16,943.0	90.70	178.80	12,590.6	-4,252.6	-90.4	4,249.6	2.12	0.21	2.11
17,038.0	90.10	180.00	12,589.9	-4,347.6	-89.5	4,344.3	1.41	-0.63	1.26
17,132.0	90.50	179.20	12,589.4	-4,441.6	-88.8	4,438.1	0.95	0.43	-0.85
17,227.0	89.30	177.40	12,589.6	-4,536.5	-86.0	4,532.7	2.28	-1.26	-1.89
17,322.0	90.80	177.50	12,589.5	-4,631.4	-81.8	4,627.1	1.58	1.58	0.11
17,416.0	88.70	178.60	12,589.9	-4,725.4	-78.6	4,720.6	2.52	-2.23	1.17
17,510.0	94.50	182.00	12,587.3	-4,819.3	-79.0	4,814.4	7.15	6.17	3.62
17,575.0	94.50	182.40	12,582.2	-4,884.0	-81.5	4,879.2	0.61	0.00	0.62
17,607.0	91.70	184.00	12,580.4	-4,915.9	-83.3	4,911.1	10.07	-8.75	5.00
17,702.0	86.00	183.20	12,582.4	-5,010.7	-89.3	5,006.1	6.06	-6.00	-0.84
17,734.0	88.40	184.00	12,583.9	-5,042.6	-91.3	5,038.0	7.90	7.50	2.50
17,759.0	88.50	183.90	12,584.6	-5,067.5	-93.0	5,063.0	0.57	0.40	-0.40
17,796.0	90.70	183.80	12,584.9	-5,104.4	-95.5	5,100.0	5.95	5.95	-0.27
17,828.0	89.80	183.00	12,584.7	-5,136.4	-97.4	5,132.0	3.76	-2.81	-2.50
17,860.0	89.10	182.60	12,585.0	-5,168.3	-98.9	5,164.0	2.52	-2.19	-1.25
17,891.0	88.30	182.80	12,585.7	-5,199.3	-100.4	5,195.0	2.66	-2.58	0.65
17,923.0	88.00	183.10	12,586.8	-5,231.2	-102.1	5,227.0	1.33	-0.94	0.94
17,954.0	87.80	183.90	12,587.9	-5,262.1	-103.9	5,257.9	2.66	-0.65	2.58
17,986.0	87.10	183.90	12,589.3	-5,294.0	-106.1	5,289.9	2.19	-2.19	0.00
18,081.0	88.40	183.10	12,593.0	-5,388.8	-111.9	5,384.8	1.61	1.37	-0.84
18,175.0	88.50	181.60	12,595.6	-5,482.7	-115.8	5,478.8	1.60	0.11	-1.60

Company: Mewbourne Oil Company
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Wellbore: Original Hole
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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)	Bulld Rate (°/100usft)	Turn Rate (°/100usft)
18,270.0	89.80	180.50	12,597.0	-5,577.6	-117.5	5,573.7	1.79	1.37	-1.16
18,365.0	88.90	182.60	12,598.1	-5,672.6	-120.1	5,668.6	2.40	-0.95	2.21
18,460.0	92.00	180.90	12,597.3	-5,767.5	-123.0	5,763.5	3.72	3.26	-1.79
18,555.0	86.60	177.30	12,598.5	-5,862.5	-121.5	5,858.1	6.83	-5.68	-3.79
18,650.0	88.80	177.60	12,602.3	-5,957.3	-117.3	5,952.5	2.34	2.32	0.32
18,744.0	88.30	177.20	12,604.7	-6,051.2	-113.0	6,045.9	0.68	-0.53	-0.43
18,839.0	87.80	176.30	12,607.9	-6,146.0	-107.6	6,140.1	1.08	-0.53	-0.95
18,934.0	88.50	178.10	12,611.0	-6,240.8	-103.0	6,234.5	2.03	0.74	1.89
19,030.0	89.60	177.00	12,612.4	-6,336.7	-98.9	6,329.9	1.77	1.35	-1.15
19,124.0	88.00	176.30	12,614.2	-6,430.5	-93.4	6,423.2	2.05	-1.91	-0.74
19,219.0	89.90	177.50	12,615.9	-6,525.3	-88.3	6,517.5	2.37	2.00	1.26
19,331.0	90.50	179.40	12,615.6	-6,637.3	-85.2	6,629.0	1.78	0.54	1.70
19,426.0	90.30	179.70	12,614.9	-6,732.3	-84.5	6,723.8	0.38	-0.21	0.32
19,521.0	89.70	179.80	12,614.9	-6,827.3	-84.1	6,818.6	0.64	-0.63	0.11
19,616.0	89.40	180.90	12,615.6	-6,922.3	-84.6	6,913.4	1.20	-0.32	1.16
19,711.0	90.10	181.60	12,616.1	-7,017.3	-86.7	7,008.3	1.04	0.74	0.74
19,806.0	91.00	182.00	12,615.1	-7,112.2	-89.7	7,103.2	1.04	0.95	0.42
19,900.0	90.40	183.40	12,614.0	-7,206.1	-94.1	7,197.2	1.62	-0.64	1.49
19,995.0	87.90	183.90	12,615.4	-7,300.9	-100.2	7,292.2	2.68	-2.63	0.53
20,090.0	87.80	182.40	12,619.0	-7,395.7	-105.4	7,387.1	1.58	-0.11	-1.58
20,185.0	87.70	181.00	12,622.7	-7,490.5	-108.2	7,482.0	1.48	-0.11	-1.47
20,280.0	88.40	180.20	12,625.9	-7,585.5	-109.2	7,576.8	1.12	0.74	-0.84
20,374.0	89.40	179.00	12,627.7	-7,679.5	-108.5	7,670.5	1.66	1.06	-1.28
20,469.0	90.60	179.10	12,627.7	-7,774.4	-107.0	7,765.2	1.27	1.26	0.11
20,564.0	90.90	179.20	12,626.5	-7,869.4	-105.6	7,859.9	0.33	0.32	0.11
20,658.0	91.70	179.10	12,624.4	-7,963.4	-104.2	7,953.6	0.86	0.85	-0.11
20,753.0	92.50	178.80	12,620.9	-8,058.3	-102.4	8,048.2	0.90	0.84	-0.32
20,848.0	90.70	178.30	12,618.2	-8,153.2	-100.0	8,142.8	1.97	-1.89	-0.53
20,944.0	90.50	179.30	12,617.2	-8,249.2	-98.0	8,238.4	1.06	-0.21	1.04
21,039.0	90.80	180.20	12,616.1	-8,344.2	-97.6	8,333.2	1.00	0.32	0.95
21,134.0	87.60	177.50	12,617.5	-8,439.2	-95.7	8,427.8	4.41	-3.37	-2.84
21,229.0	87.40	178.80	12,621.6	-8,534.0	-92.6	8,522.3	1.38	-0.21	1.37
21,324.0	86.40	178.20	12,626.8	-8,628.8	-90.1	8,616.8	1.23	-1.05	-0.63
21,418.0	87.30	179.50	12,631.9	-8,722.7	-88.3	8,710.3	1.68	0.96	1.38
21,513.0	89.00	181.50	12,635.0	-8,817.6	-89.1	8,805.1	2.76	1.78	2.11
21,608.0	89.00	182.90	12,636.6	-8,912.5	-92.7	8,900.0	1.47	0.00	1.47
21,703.0	89.50	182.20	12,637.9	-9,007.4	-97.0	8,995.0	0.91	0.53	-0.74
21,798.0	92.40	188.10	12,636.3	-9,102.0	-105.5	9,089.9	6.92	3.05	6.21
21,893.0	91.90	185.90	12,632.7	-9,196.2	-117.1	9,184.7	2.37	-0.53	-2.32
21,988.0	90.10	184.90	12,631.1	-9,290.8	-126.0	9,279.6	2.17	-1.89	-1.05
22,083.0	88.50	182.20	12,632.2	-9,385.6	-131.9	9,374.6	3.30	-1.68	-2.84
22,178.0	90.50	181.00	12,633.1	-9,480.5	-134.5	9,469.5	2.46	2.11	-1.26
22,273.0	91.20	181.00	12,631.7	-9,575.5	-136.2	9,564.4	0.74	0.74	0.00



Microsoft Survey Report



Company: Mewbourne Oil Company
Project: Lea County N. M. Nad (83)
Site: Section 9 16-26S-33E Salado Draw 9/16 W1AP Fed Com
Well: Salado Draw 9/16 W1AP Fed Com #2H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Salado Draw 9/16 W1AP Fed Com #2H
TVD Reference: 3332 + 27 @ 3359.0usft (Patterson 231)
MD Reference: 3332 + 27 @ 3359.0usft (Patterson 231)
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)
22,367.0	90.40	180.40	12,630.4	-9,669.5	-137.3	9,658.3	1.06	-0.85	-0.64
22,462.0	89.60	181.40	12,630.4	-9,764.4	-138.8	9,753.2	1.35	-0.84	1.05
22,557.0	90.70	182.50	12,630.1	-9,859.4	-142.1	9,848.1	1.64	1.16	1.16
22,652.0	90.80	183.50	12,628.9	-9,954.3	-147.0	9,943.1	1.06	0.11	1.05
22,746.0	90.90	183.50	12,627.5	-10,048.1	-152.8	10,037.1	0.11	0.11	0.00
22,769.0	91.20	183.70	12,627.0	-10,071.0	-154.2	10,060.1	1.57	1.30	0.87
22,823.6	91.20	183.70	12,625.9	-10,125.5	-157.7	10,114.7	0.00	0.00	0.00
PBHL Salado Draw 9 16 W1AP Fed Com #2H									
22,825.0	91.20	183.70	12,625.9	-10,126.9	-157.8	10,116.1	0.00	0.00	0.00
22825.0' MD Projected to Bit									

Design Annotations.

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
22,825.0	12,625.9	-10,126.9	-157.8	22825.0' MD Projected to Bit

STRYKER

DIRECTIONAL

June 19, 2019

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

Attn: Jackie Lathan

Re: Mewbourne Oil Company
Salado Draw 9 16 W1AP Federal Com #2H
Red Hills; Wolfcamp (Gas)
Lea County, New Mexico
API# 30-025-44913

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>
Jose Cortina	Original Hole	14,762ft. to 22,823ft.	11-29-18 to 12-19-18	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 W1AP Fed Com #2HM181168

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



June 19, 2019

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 November 29, 2018, through December 19, 2018 conduct or supervise the taking of a SEDS Original Hole MWD Survey from a depth of 14,762feet to a depth of 22,823feet; 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 WIAP Federal Com #002H,well API # 30-025-44913 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.

A handwritten signature in black ink, appearing to read "Eric Estes", is written over a horizontal line.

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 W1AP F
Well: Salado Draw 9/16 W1AP Fed Com #2H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Salado Draw 9/16 W1AP Fed Com #2H
TVD Reference: 3332 + 27 @ 3359.0usft (Patterson 231)
MD Reference: 3332 + 27 @ 3359.0usft (Patterson 231)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Stryker_EDM

Survey Program Date 01/03/19

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.0	14,656.0	Intrepid Survey (Original Hole)	MWD	MWD v3:standard declination
14,762.0	22,825.0	Survey #2 (Original Hole)		

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	
14,656.0	91.60	181.00	12,561.8	-9,202.8	-1,967.6	-130.4	1,971.9	183.79	Tie-In
B.B. Salado Draw 9 16 W1AP Fed Com #2H									
14,762.0	89.50	178.90	12,560.8	-9,201.8	-2,073.6	-130.3	2,077.7	183.60	
14,857.0	87.60	179.00	12,563.2	-9,204.2	-2,168.6	-128.6	2,172.4	183.39	
14,952.0	87.10	179.50	12,567.6	-9,208.6	-2,263.4	-127.3	2,267.0	183.22	
15,047.0	86.70	181.80	12,572.7	-9,213.7	-2,358.3	-128.4	2,361.8	183.12	
15,142.0	87.60	181.30	12,577.5	-9,218.5	-2,453.1	-131.0	2,456.6	183.06	
15,236.0	87.30	179.20	12,581.7	-9,222.7	-2,547.0	-131.4	2,550.4	182.95	
15,331.0	87.70	178.90	12,585.8	-9,226.8	-2,641.9	-129.8	2,645.1	182.81	
15,426.0	90.80	179.40	12,587.2	-9,228.2	-2,736.9	-128.4	2,739.9	182.69	
15,521.0	91.70	180.20	12,585.3	-9,226.3	-2,831.9	-128.1	2,834.8	182.59	
15,615.0	91.50	181.40	12,582.7	-9,223.7	-2,925.8	-129.4	2,928.7	182.53	
15,710.0	89.70	180.70	12,581.7	-9,222.7	-3,020.8	-131.1	3,023.7	182.49	
15,805.0	90.90	179.60	12,581.2	-9,222.2	-3,115.8	-131.4	3,118.6	182.41	
15,900.0	89.00	179.10	12,581.3	-9,222.3	-3,210.8	-130.3	3,213.4	182.32	
15,993.0	88.10	178.60	12,583.6	-9,224.6	-3,303.7	-128.4	3,306.2	182.23	
16,087.0	88.30	179.50	12,586.6	-9,227.6	-3,397.7	-126.9	3,400.0	182.14	
16,182.0	87.80	179.80	12,590.0	-9,231.0	-3,492.6	-126.3	3,494.9	182.07	
16,277.0	89.10	177.70	12,592.7	-9,233.7	-3,587.5	-124.2	3,589.7	181.98	
16,372.0	89.10	177.10	12,594.2	-9,235.2	-3,682.4	-119.9	3,684.4	181.87	
16,467.0	89.00	177.00	12,595.8	-9,236.8	-3,777.3	-115.0	3,779.0	181.74	



Microsoft
MWD Surveys



Company: Mewbourne Oil Company
Project: Lea County N. M. Nad (83)
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Wellbore: Original Hole
Design: Original Hole

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TVD Reference: 3332 + 27 @ 3359.0usft (Patterson 231)
MD Reference: 3332 + 27 @ 3359.0usft (Patterson 231)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Stryker_EDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVSS (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)
16,563.0	91.70	177.10	12,595.2	-9,236.2	-3,873.2	-110.1	3,874.7	181.63
16,657.0	91.10	177.00	12,592.9	-9,233.9	-3,967.0	-105.3	3,968.4	181.52
16,752.0	90.00	176.40	12,592.0	-9,233.0	-4,061.8	-99.8	4,063.1	181.41
16,848.0	90.50	176.80	12,591.6	-9,232.6	-4,157.7	-94.1	4,158.7	181.30
16,943.0	90.70	178.80	12,590.6	-9,231.6	-4,252.6	-90.4	4,253.6	181.22
17,038.0	90.10	180.00	12,589.9	-9,230.9	-4,347.6	-89.5	4,348.5	181.18
17,132.0	90.50	179.20	12,589.4	-9,230.4	-4,441.6	-88.8	4,442.5	181.15
17,227.0	89.30	177.40	12,589.6	-9,230.6	-4,536.5	-86.0	4,537.3	181.09
17,322.0	90.80	177.50	12,589.5	-9,230.5	-4,631.4	-81.8	4,632.2	181.01
17,416.0	88.70	178.60	12,589.9	-9,230.9	-4,725.4	-78.6	4,726.0	180.95
17,510.0	94.50	182.00	12,587.3	-9,228.3	-4,819.3	-79.0	4,819.9	180.94
17,575.0	94.50	182.40	12,582.2	-9,223.2	-4,884.0	-81.5	4,884.7	180.96
17,607.0	91.70	184.00	12,580.4	-9,221.4	-4,915.9	-83.3	4,916.6	180.97
17,702.0	86.00	183.20	12,582.4	-9,223.4	-5,010.7	-89.3	5,011.5	181.02
17,734.0	88.40	184.00	12,583.9	-9,224.9	-5,042.6	-91.3	5,043.4	181.04
17,759.0	88.50	183.90	12,584.6	-9,225.6	-5,067.5	-93.0	5,068.4	181.05
17,796.0	90.70	183.80	12,584.9	-9,225.9	-5,104.4	-95.5	5,105.3	181.07
17,828.0	89.80	183.00	12,584.7	-9,225.7	-5,136.4	-97.4	5,137.3	181.09
17,860.0	89.10	182.60	12,585.0	-9,226.0	-5,168.3	-98.9	5,169.3	181.10
17,891.0	88.30	182.80	12,585.7	-9,226.7	-5,199.3	-100.4	5,200.3	181.11
17,923.0	88.00	183.10	12,586.8	-9,227.8	-5,231.2	-102.1	5,232.2	181.12
17,954.0	87.80	183.90	12,587.9	-9,228.9	-5,262.1	-103.9	5,263.2	181.13
17,986.0	87.10	183.90	12,589.3	-9,230.3	-5,294.0	-106.1	5,295.1	181.15
18,081.0	88.40	183.10	12,593.0	-9,234.0	-5,388.8	-111.9	5,390.0	181.19
18,175.0	88.50	181.60	12,595.6	-9,236.6	-5,482.7	-115.8	5,483.9	181.21
18,270.0	89.80	180.50	12,597.0	-9,238.0	-5,577.6	-117.5	5,578.9	181.21
18,365.0	88.90	182.60	12,598.1	-9,239.1	-5,672.6	-120.1	5,673.9	181.21



Microsoft
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Survey Calculation Method: Minimum Curvature
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Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)
18,460.0	92.00	180.90	12,597.3	-9,238.3	-5,767.5	-123.0	5,768.8	181.22
18,555.0	86.60	177.30	12,598.5	-9,239.5	-5,862.5	-121.5	5,863.7	181.19
18,650.0	88.80	177.60	12,602.3	-9,243.3	-5,957.3	-117.3	5,958.4	181.13
18,744.0	88.30	177.20	12,604.7	-9,245.7	-6,051.2	-113.0	6,052.2	181.07
18,839.0	87.80	176.30	12,607.9	-9,248.9	-6,146.0	-107.6	6,148.9	181.00
18,934.0	88.50	178.10	12,611.0	-9,252.0	-6,240.8	-103.0	6,241.6	180.95
19,030.0	89.80	177.00	12,612.4	-9,253.4	-6,336.7	-98.9	6,337.5	180.89
19,124.0	88.00	176.30	12,614.2	-9,255.2	-6,430.5	-93.4	6,431.2	180.83
19,219.0	89.90	177.50	12,615.9	-9,256.9	-6,525.3	-88.3	6,525.9	180.77
19,331.0	90.50	179.40	12,615.6	-9,256.6	-6,637.3	-85.2	6,637.8	180.74
19,426.0	90.30	179.70	12,614.9	-9,255.9	-6,732.3	-84.5	6,732.8	180.72
19,521.0	89.70	179.80	12,614.9	-9,255.9	-6,827.3	-84.1	6,827.8	180.71
19,616.0	89.40	180.90	12,615.6	-9,256.6	-6,922.3	-84.6	6,922.8	180.70
19,711.0	90.10	181.60	12,616.1	-9,257.1	-7,017.3	-86.7	7,017.8	180.71
19,806.0	91.00	182.00	12,615.1	-9,256.1	-7,112.2	-89.7	7,112.8	180.72
19,900.0	90.40	183.40	12,614.0	-9,255.0	-7,206.1	-94.1	7,206.7	180.75
19,995.0	87.90	183.90	12,615.4	-9,256.4	-7,300.9	-100.2	7,301.6	180.79
20,090.0	87.80	182.40	12,619.0	-9,260.0	-7,395.7	-105.4	7,396.4	180.82
20,185.0	87.70	181.00	12,622.7	-9,263.7	-7,490.5	-108.2	7,491.3	180.83
20,280.0	88.40	180.20	12,625.9	-9,266.9	-7,585.5	-109.2	7,586.3	180.82
20,374.0	89.40	179.00	12,627.7	-9,268.7	-7,679.5	-108.5	7,680.2	180.81
20,469.0	90.60	179.10	12,627.7	-9,268.7	-7,774.4	-107.0	7,775.2	180.79
20,564.0	90.90	179.20	12,626.5	-9,267.5	-7,869.4	-105.6	7,870.1	180.77
20,658.0	91.70	179.10	12,624.4	-9,265.4	-7,963.4	-104.2	7,964.1	180.75
20,753.0	92.50	178.80	12,620.9	-9,261.9	-8,058.3	-102.4	8,059.0	180.73
20,848.0	90.70	178.30	12,618.2	-9,259.2	-8,153.2	-100.0	8,153.9	180.70
20,944.0	90.50	179.30	12,617.2	-9,258.2	-8,249.2	-98.0	8,249.8	180.68



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Database: Stryker_EDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVOSS (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)
21,039.0	90.80	180.20	12,616.1	-9,257.1	-8,344.2	-97.6	8,344.8	180.67
21,134.0	87.80	177.50	12,617.5	-9,258.5	-8,439.2	-95.7	8,439.7	180.65
21,229.0	87.40	178.80	12,621.6	-9,262.6	-8,534.0	-92.6	8,534.5	180.62
21,324.0	86.40	178.20	12,626.8	-9,267.8	-8,628.8	-90.1	8,629.3	180.60
21,418.0	87.30	179.50	12,631.9	-9,272.9	-8,722.7	-88.3	8,723.1	180.58
21,513.0	89.00	181.50	12,635.0	-9,276.0	-8,817.6	-89.1	8,818.1	180.58
21,608.0	89.00	182.90	12,636.6	-9,277.6	-8,912.5	-92.7	8,913.0	180.60
21,703.0	89.50	182.20	12,637.9	-9,278.9	-9,007.4	-97.0	9,007.9	180.62
21,798.0	92.40	188.10	12,636.3	-9,277.3	-9,102.0	-105.5	9,102.6	180.66
21,893.0	91.90	185.90	12,632.7	-9,273.7	-9,196.2	-117.1	9,196.9	180.73
21,988.0	90.10	184.90	12,631.1	-9,272.1	-9,290.8	-126.0	9,291.6	180.78
22,083.0	88.50	182.20	12,632.2	-9,273.2	-9,385.6	-131.9	9,386.5	180.80
22,178.0	90.50	181.00	12,633.1	-9,274.1	-9,480.5	-134.5	9,481.5	180.81
22,273.0	91.20	181.00	12,631.7	-9,272.7	-9,575.5	-136.2	9,576.4	180.81
22,367.0	90.40	180.40	12,630.4	-9,271.4	-9,669.5	-137.3	9,670.4	180.81
22,462.0	89.60	181.40	12,630.4	-9,271.4	-9,764.4	-138.8	9,765.4	180.81
22,557.0	90.70	182.50	12,630.1	-9,271.1	-9,859.4	-142.1	9,860.4	180.83
22,652.0	90.80	183.50	12,628.9	-9,269.9	-9,954.3	-147.0	9,955.3	180.85
22,746.0	90.90	183.50	12,627.5	-9,268.5	-10,048.1	-152.8	10,049.2	180.87
22,769.0	91.20	183.70	12,627.0	-9,268.0	-10,071.0	-154.2	10,072.2	180.88
22,823.6	91.20	183.70	12,625.9	-9,266.9	-10,125.5	-157.7	10,126.8	180.89
PBHL Salado Draw 9 16 W1AP Fed Com #2H								
22,825.0	91.20	183.70	12,625.9	-9,266.9	-10,126.9	-157.8	10,128.1	180.89
22825.0' MD Projected to Bit								



Microsoft
MWD Surveys



Company: Mewbourne Oil Company
Project: Lea County N. M. Nad (83)
Site: Section 9 16-26S-33E Salado Draw 9/16 W1AP F
Well: Salado Draw 9/16 W1AP Fed Com #2H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Salado Draw 9/16 W1AP Fed Com #2H
TVD Reference: 3332 + 27 @ 3359.0usft (Patterson 231)
MD Reference: 3332 + 27 @ 3359.0usft (Patterson 231)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Stryker_EDM

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
22,825.0	12,625.9	-10,126.9	-157.8	22825.0' MD Projected to Bit



COMPANY: Mewbourne Oil Company
WELL: Salado Draw 9/16 WIAP Fed Com #2H
COUNTY: Lea County N. M. Nad (83)
DATUM: North American Datum 1983
RIG: Patterson 231

STRYKER
DIRECTIONAL

OFFICE: 936.582.7294

GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 6.38°

GEODETTIC ZONE: New Mexico Eastern Zone
3332 + 27 @ 3359.0usft (Patterson 231)
GROUND ELEVATION: 3332.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	387986.60	777986.70	32° 3' 51.669 N	103° 34' 9.823 W

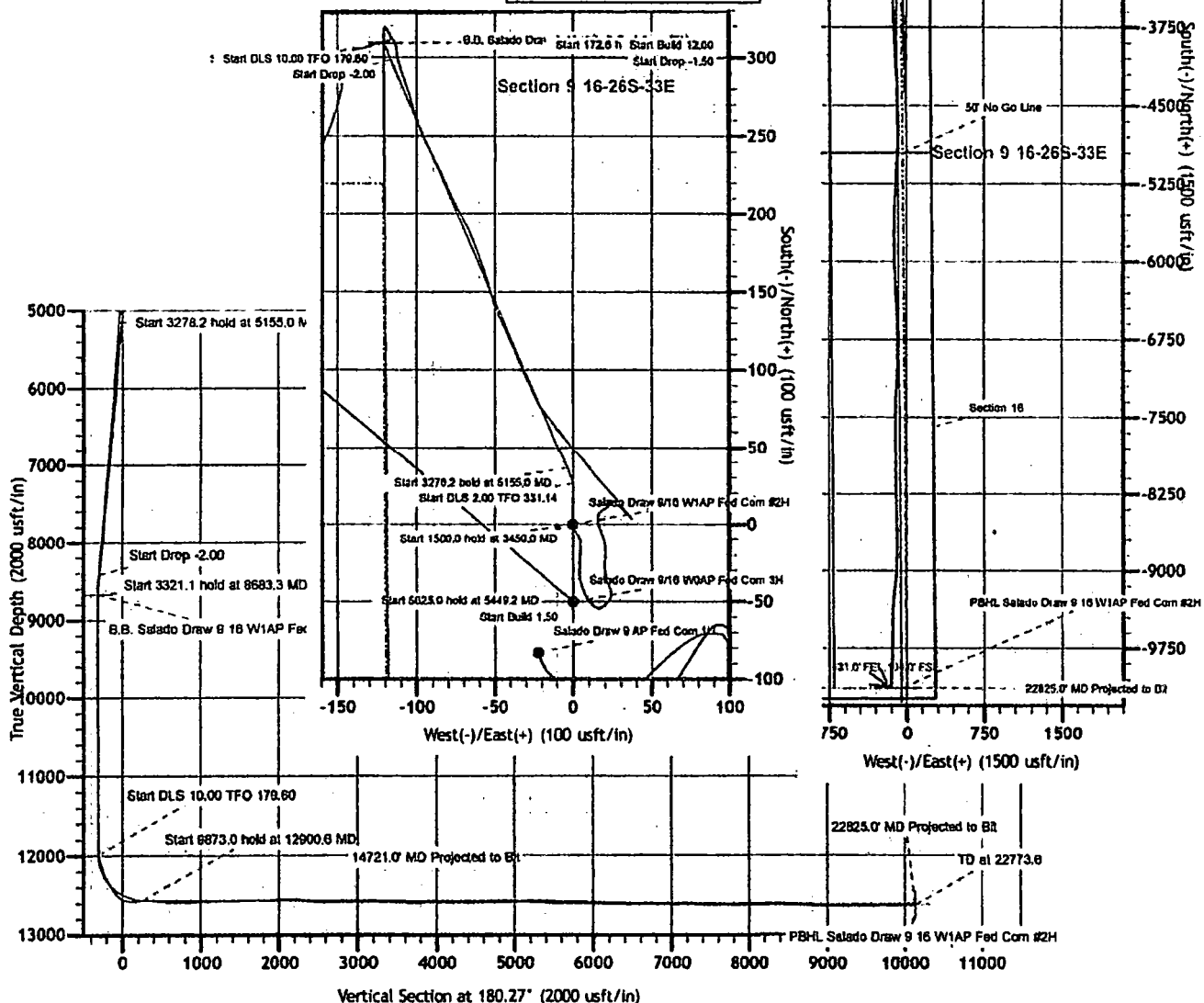
PLAN SECTIONS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSecl	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	3400.0	0.00	0.00	3400.0	0.0	0.0	0.00	0.00	0.0	
3	3450.0	1.00	0.00	3450.0	0.4	0.0	2.00	0.00	-0.4	
4	4950.0	1.00	0.00	4949.8	26.6	0.0	0.00	0.00	-26.6	
5	5155.0	5.00	336.67	5154.5	38.6	-3.5	2.00	331.14	-38.6	
6	8433.3	5.00	336.67	8420.3	298.0	-116.7	0.00	0.00	-298.4	
7	8583.3	0.00	0.00	8670.0	308.0	-121.0	2.00	180.00	-308.4	
8	12004.4	0.00	0.00	11891.1	309.0	-121.0	0.00	0.00	-308.4	
9	12800.6	89.82	179.60	12564.0	-260.2	-117.0	10.00	179.80	260.7	
10	22773.6	89.82	179.60	12629.0	-10132.7	-47.8	0.00	0.00	10132.8	



Azimuths to Grid North
True North: -0.41°
Magnetic North: 6.38°
Magnetic Field
Strength: 47695.4nT
Dip Angle: 69.90°
Date: 11/28/2018
Model: IGRF2015

SHL: 310' FNL; 2310' FEL
Section 9-26S-33E
PBHL: 100' FSL; 330' FEL
Section 16-26S-33E



District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised August 1, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Mewbourne Oil Company PO Box 5270 Hobbs, NM 88241		² OGRID Number 14744
		³ Reason for Filing Code/ Effective Date NW /06/13/19
⁴ API Number 30 - 025 - 44913	⁵ Pool Name Red Hills; Wolfcamp	⁶ Pool Code 83600
⁷ Property Code 322769	⁸ Property Name Salado Draw 9/16 W1AP Fed Com	⁹ Well Number 2H

II. ¹⁰ Surface Location

UL or lot no. A	Section 9	Township 26S	Range 33E	Lot Idn	Feet from the 380	North/South Line North	Feet from the 210	East/West line East	County Lea
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¹¹ Bottom Hole Location

UL or lot no. P	Section 16	Township 26S	Range 33E	Lot Idn	Feet from the 100	North/South line South	Feet from the 431	East/West line East	County Lea
¹² Lse Code F	¹³ Producing Method Code Flowing	¹⁴ Gas Connection Date 06/13/19	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
35246	Shell Trading US Co. PO Box 4604 Houston, TX 77210	O
285689	Delaware Basin Midstream LLC 1201 Lake Robbins Drive Houston, TX 77251	G

IV. Well Completion Data

~~We are seeking an extension from filing at this time.~~

²¹ Spud Date 10/24/18	²² Ready Date 06/13/19	²³ TD 22825' MD	²⁴ PBDT 22819' MD	²⁵ Perforations 12672' - 22608'	²⁶ DHC, MC NA
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
20"	16"	1040'	950		
13 1/4"	10 3/4"	4945'	1100		
9 7/8"	7 7/8"	11458'	875		
6 3/4"	5 1/4"	22795'	625		

V. Well Test Data

³¹ Date New Oil 06/13/19	³² Gas Delivery Date 06/13/19	³³ Test Date 6/15/19	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure NA	³⁶ Csg. Pressure 3200
³⁷ Choke Size 18/64	³⁸ Oil 648	³⁹ Water 2808	⁴⁰ Gas 1172		⁴¹ Test Method Production

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Printed name:
Jackie Lathan

Title:

Regulatory

E-mail Address:

jlathan@mewbourne.com

Date:

07/05/19

Phone:

575-393-5905

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date: