

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

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

Form C-104
Revised August 1, 2011

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 / 06/15/21	
⁴ API Number 30 - 015 - 47816	⁵ Pool Name Purple Sage; Wolfcamp (Gas)		⁶ Pool Code 98220
⁷ Property Code 329889	⁸ Property Name El Jefe 35/2 W1CN Fed Com		⁹ Well Number 2H

II. ¹⁰ Surface Location

Ul or lot no. D	Section 35	Township 24S	Range 28E	Lot Idn	Feet from the 501	North/South Line North	Feet from the 1288	East/West line West	County Eddy
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¹¹ Bottom Hole Location

UL or lot no. N	Section 2	Township 25S	Range 28E	Lot Idn	Feet from the 318	North/South line South	Feet from the 1646	East/West line West	County Eddy
¹² Lse Code F	¹³ Producing Method Code Gas Lift		¹⁴ Gas Connection Date 06/15/2021		¹⁵ C-129 Permit Number		¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration Date

III. Oil and Gas Transporters

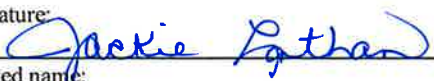
¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
329971	Oryx 4000 N. Big Spring Suite 400 Midland, TX 79705	O
327139	Sendero Midstream 1000 Louisiana Street Suite 6900 Houston, TX 77002	G

IV. Well Completion Data

²¹ Spud Date 02/01/21	²² Ready Date 06/15/21	²³ TD 19908'	²⁴ PBSD 19859'	²⁵ Perforations 9923' - 19852'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	³⁰ Sacks Cement
17 ½"		13 ¾" 54.5# J55		509	575
12 ¼"		9 ⅝" 40# HCL80		2574'	775
8 ¾"		7" 29# HCP110		10040'	725
6 ⅝"		4 ½" 13.5# HCP110 3 ½" 9.3# L80		9254' – 19908' 10930'	875'

V. Well Test Data

³¹ Date New Oil 06/15/21	³² Gas Delivery Date 06/15/21	³³ Test Date 06/24/21	³⁴ Test Length 24	³⁵ Tbg. Pressure 1810	³⁶ Csg. Pressure 140
³⁷ Choke Size 40/64	³⁸ Oil 1325	³⁹ Water 4686	⁴⁰ Gas 3536		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: 		OIL CONSERVATION DIVISION	
Printed name: Jackie Lathan		Approved by: KURT SIMMONS	
Title: Regulatory		Title: NMOCD, SANTA FE	
E-mail Address: jlathan@mewbourne.com		Approval Date: 09/03/2021	
Date: 07/28/2021	Phone: 575-393-5905		

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☒ AMENDED REPORT
AS DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-47816	² Pool Code 98220	³ Pool Name Purple Sage; Wolfcamp (Gas)
⁴ Property Code 329889	⁵ Property Name EL JEFE 35/2 W1CN FED COM	
⁷ OGRID NO. 14744	⁸ Operator Name MEWBOURNE OIL COMPANY	⁶ Well Number 2H
		⁹ Elevation 2960'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
D	35	24S	28E		501	NORTH	1288	WEST	EDDY

¹¹ Bottom Hole Location If Different From Surface

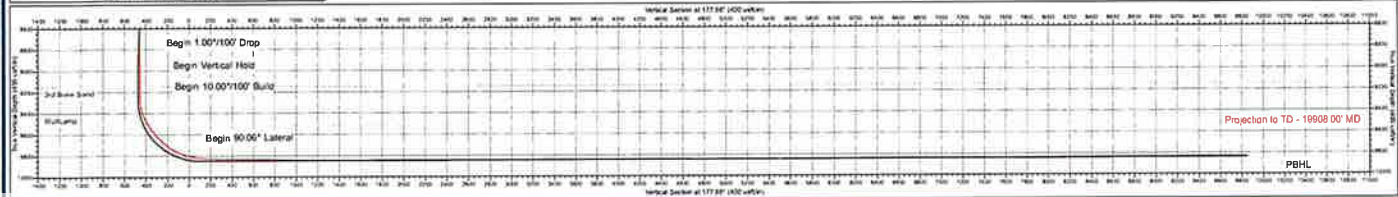
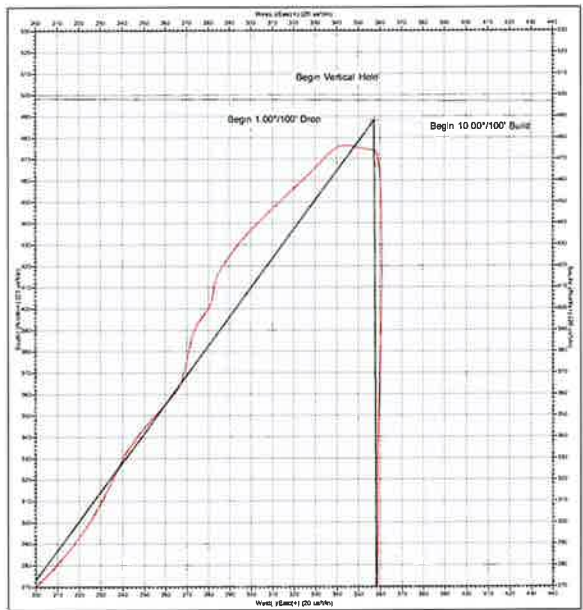
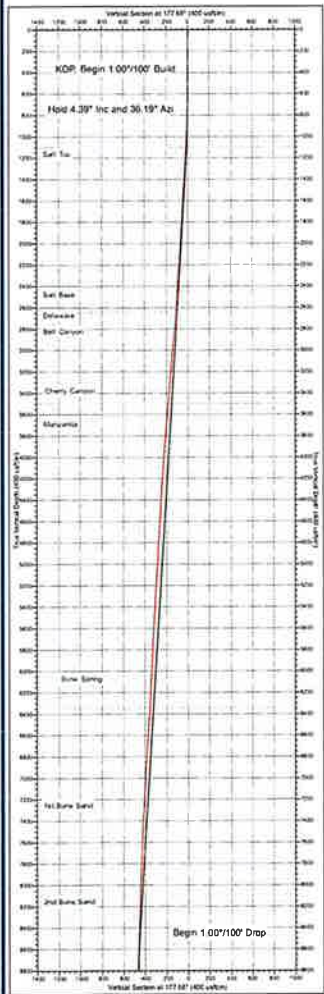
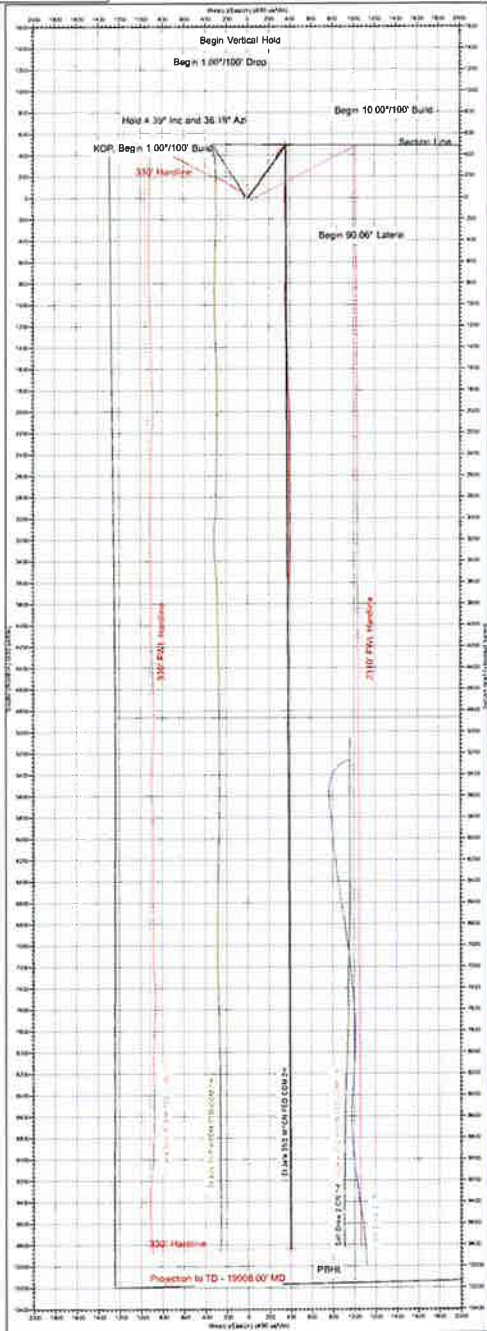
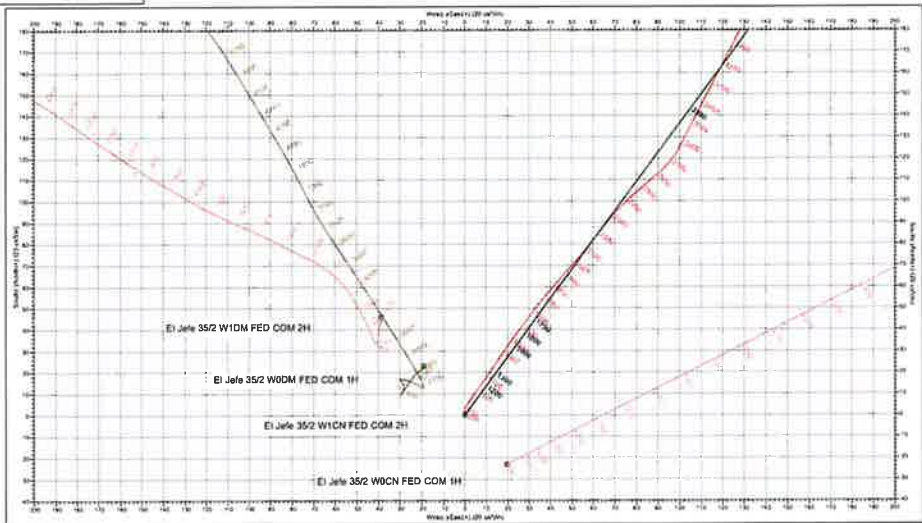
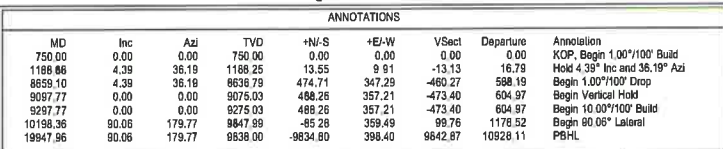
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	2	25S	28E		318	SOUTH	1646	WEST	EDDY

¹² Dedicated Acres 640	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

	GEODETIC DATA NAD 83 GRID — NM EAST SURFACE LOCATION N: 429285.0 — E: 625147.0 LAT: 32.1798922° N LONG: 104.0624397° W BOTTOM HOLE N: 419450.2 — E: 625545.4 LAT: 32.1528544° N LONG: 104.0612325° W CORNER DATA NAD 83 GRID — NM EAST A: FOUND BRASS CAP "1940" N: 419087.7 — E: 623895.2 B: FOUND BRASS CAP "1940" N: 421744.4 — E: 623902.6 C: FOUND BRASS CAP "1940" N: 424422.7 — E: 623909.3 D: FOUND BRASS CAP "1942" N: 427107.6 — E: 623882.3 E: FOUND BRASS CAP "1942" N: 429793.4 — E: 623853.9 F: FOUND BRASS CAP "1942" N: 429777.1 — E: 626506.4 G: FOUND BRASS CAP "1942" N: 429757.4 — E: 629159.7 H: FOUND BRASS CAP "1942" N: 427089.1 — E: 629182.5 I: FOUND BRASS CAP "1940" N: 424420.5 — E: 629204.4 J: FOUND BRASS CAP "1940" N: 421806.0 — E: 629196.2 K: FOUND BRASS CAP "1940" N: 419191.8 — E: 629181.0 L: FOUND BRASS CAP "1940" N: 419139.9 — E: 626538.2 M: FOUND BRASS CAP "1940" N: 424421.1 — E: 626556.0	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature: <u>Jackie Lathan</u> Date: <u>07/28/2021</u> Printed Name: <u>Jackie Lathan</u> E-mail Address: <u>jlathan@mewbourne.com</u>
	¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. 10-03-2019 Date of Survey Signature and Seal of Professional Surveyor: <u>Robert M. Howett</u> Certificate Number: 19680	

Job No.: LS19101006





Mewbourne Oil Company

Eddy County, N.M. Nad (83)
El Jefe 35/2
El Jefe 35/2 W1CN FED COM 2H

Wellbore #1

Design: Surveys

Standard Survey Report

19 February, 2021





Stryker Directional
Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well El Jefe 35/2 W1CN FED COM 2H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	WELL @ 2988.00usft (Patterson 809)
Site:	El Jefe 35/2	MD Reference:	WELL @ 2988.00usft (Patterson 809)
Well:	El Jefe 35/2 W1CN FED COM 2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM5000

Project	Eddy County, N.M. Nad (83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	El Jefe 35/2		
Site Position:		Northing:	429,308.0000 usft
From:	Map	Easting:	625,127.8000 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 10' 47.840 N
		Longitude:	104° 3' 45.006 W
		Grid Convergence:	0.14 °

Well	El Jefe 35/2 W1CN FED COM 2H		
Well Position	+N/-S	0.00 usft	Northing:
	+E/-W	0.00 usft	Easting:
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft
		Latitude:	32° 10' 47.612 N
		Longitude:	104° 3' 44.784 W
		Ground Level:	2,960.00 usft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2020	12/23/2020	6.82
	IGRF2020	2/6/2021	6.81
		Dip Angle (°)	59.80
		Field Strength (nT)	47,469.56175777
			47,456.76244413

Design	Surveys		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.00	0.00	0.00
			Direction (°)
			177.68

Survey Program	Date 2/19/2021		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name
259.00	19,908.00	Invictus MWD (Wellbore #1)	MWD
			Description
			MWD v3:standard declination

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
259.00	0.70	19.83	258.99	1.49	0.54	-1.47	0.27	0.27	0.00
349.00	0.60	225.83	348.99	1.68	0.39	-1.66	1.41	-0.11	-171.11
411.00	0.40	246.83	410.99	1.37	-0.05	-1.37	0.43	-0.32	33.87
493.00	0.10	17.83	492.99	1.32	-0.29	-1.33	0.58	-0.37	159.76
570.00	0.20	349.40	569.99	1.52	-0.29	-1.53	0.16	0.13	-36.92
664.00	0.40	346.60	663.99	2.00	-0.40	-2.01	0.21	0.21	-2.98
791.00	1.50	29.50	790.97	3.88	0.32	-3.86	0.97	0.87	33.78
887.00	3.00	35.00	886.89	7.03	2.38	-6.93	1.58	1.56	5.73
1,079.00	4.50	36.10	1,078.48	17.23	9.70	-16.82	0.78	0.78	0.57



Stryker Directional
Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well El Jefe 35/2 W1CN FED COM 2H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	WELL @ 2988.00usft (Patterson 809)
Site:	El Jefe 35/2	MD Reference:	WELL @ 2988.00usft (Patterson 809)
Well:	El Jefe 35/2 W1CN FED COM 2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM5000

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)
1,271.00	3.60	32.00	1,269.99	28.43	17.33	-27.70	0.49	-0.47	-2.14
1,463.00	4.80	37.20	1,461.48	39.94	25.38	-38.88	0.66	0.63	2.71
1,654.00	4.80	36.90	1,651.81	52.69	35.01	-51.23	0.01	0.00	-0.16
1,845.00	4.00	44.20	1,842.24	63.86	44.45	-62.01	0.51	-0.42	3.82
2,036.00	4.40	39.60	2,032.73	74.28	53.77	-72.04	0.27	0.21	-2.41
2,227.00	6.10	37.60	2,222.92	87.97	64.63	-85.28	0.90	0.89	-1.05
2,419.00	5.70	48.20	2,413.91	102.41	77.96	-99.17	0.60	-0.21	5.52
2,514.00	5.20	49.20	2,508.48	108.36	84.74	-104.85	0.54	-0.53	1.05
2,617.00	4.70	48.60	2,611.10	114.20	91.44	-110.41	0.49	-0.49	-0.58
2,807.00	5.90	25.00	2,800.30	128.21	101.41	-124.00	1.30	0.63	-12.42
2,999.00	5.90	28.80	2,991.29	145.80	110.33	-141.21	0.20	0.00	1.98
3,190.00	6.10	26.20	3,181.24	163.50	119.54	-158.53	0.18	0.10	-1.36
3,381.00	6.10	27.70	3,371.16	181.60	128.74	-176.23	0.08	0.00	0.79
3,572.00	5.50	34.50	3,561.18	198.12	138.64	-192.35	0.48	-0.31	3.56
3,763.00	5.70	34.20	3,751.27	213.51	149.16	-207.30	0.11	0.10	-0.16
3,955.00	5.60	41.50	3,942.34	228.41	160.72	-221.72	0.38	-0.05	3.80
4,146.00	5.30	42.80	4,132.48	241.87	172.89	-234.67	0.17	-0.16	0.68
4,337.00	5.20	43.00	4,322.68	254.67	184.79	-246.98	0.05	-0.05	0.10
4,528.00	5.00	46.70	4,512.92	266.71	196.75	-258.53	0.20	-0.10	1.94
4,720.00	4.40	41.60	4,704.27	277.95	207.73	-269.32	0.38	-0.31	-2.66
4,911.00	4.00	39.20	4,894.76	288.60	216.80	-279.58	0.23	-0.21	-1.26
5,102.00	3.60	32.30	5,085.34	298.83	224.22	-289.51	0.32	-0.21	-3.61
5,293.00	4.00	28.40	5,275.92	309.76	230.59	-300.17	0.25	0.21	-2.04
5,484.00	3.80	22.70	5,466.48	321.45	236.20	-311.63	0.23	-0.10	-2.98
5,675.00	3.60	29.30	5,657.08	332.52	241.58	-322.47	0.25	-0.10	3.46
5,867.00	3.70	40.60	5,848.70	342.48	248.56	-332.14	0.38	0.05	5.89
6,058.00	3.60	43.10	6,039.31	351.54	256.67	-340.86	0.10	-0.05	1.31
6,249.00	3.20	39.90	6,229.97	360.01	264.18	-349.02	0.23	-0.21	-1.68
6,440.00	4.30	10.90	6,420.58	371.13	268.96	-359.94	1.13	0.58	-15.18
6,631.00	4.50	14.10	6,611.01	385.43	272.14	-374.10	0.17	0.10	1.68
6,822.00	3.70	41.20	6,801.54	397.34	278.02	-385.75	1.08	-0.42	14.19
7,014.00	3.40	1.90	6,993.20	407.69	282.29	-395.93	1.25	-0.16	-20.47
7,205.00	4.30	31.80	7,183.79	419.44	286.25	-407.50	1.13	0.47	15.65
7,396.00	4.30	40.50	7,374.25	430.97	294.68	-418.68	0.34	0.00	4.55
7,588.00	2.60	45.20	7,565.90	439.51	302.44	-426.91	0.90	-0.89	2.45
7,780.00	2.60	46.70	7,757.70	445.56	308.70	-432.70	0.04	0.00	0.78
7,971.00	3.70	45.60	7,948.41	452.85	316.26	-439.67	0.58	0.58	-0.58
8,163.00	2.40	49.50	8,140.13	459.79	323.74	-446.31	0.69	-0.68	2.03
8,354.00	3.70	42.20	8,330.86	466.96	330.92	-453.18	0.71	0.68	-3.82
8,545.00	2.50	48.50	8,521.58	474.28	338.18	-460.20	0.65	-0.63	3.30
8,735.00	1.90	99.80	8,711.45	476.49	344.39	-462.16	1.04	-0.32	27.00
8,927.00	1.70	102.20	8,903.36	475.35	350.31	-460.78	0.11	-0.10	1.25
9,118.00	1.20	96.90	9,094.29	474.51	355.07	-459.75	0.27	-0.26	-2.77



Stryker Directional
Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well El Jefe 35/2 W1CN FED COM 2H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	WELL @ 2988.00usft (Patterson 809)
Site:	El Jefe 35/2	MD Reference:	WELL @ 2988.00usft (Patterson 809)
Well:	El Jefe 35/2 W1CN FED COM 2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM5000

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,213.00	1.10	107.00	9,189.28	474.12	356.93	-459.29	0.24	-0.11	10.63
9,272.00	1.40	122.20	9,248.26	473.57	358.08	-458.69	0.75	0.51	25.76
9,320.00	5.50	169.80	9,296.17	471.00	358.98	-456.08	9.73	8.54	99.17
9,367.00	12.60	175.30	9,342.56	463.66	359.80	-448.72	15.20	15.11	11.70
9,415.00	18.50	178.40	9,388.78	450.82	360.44	-435.86	12.41	12.29	6.46
9,463.00	23.30	179.30	9,433.61	433.70	360.77	-418.74	10.02	10.00	1.88
9,511.00	28.00	180.50	9,476.87	412.93	360.79	-397.99	9.85	9.79	2.50
9,558.00	32.20	181.60	9,517.52	389.37	360.34	-374.47	9.01	8.94	2.34
9,607.00	35.80	181.90	9,558.14	361.99	359.50	-347.14	7.35	7.35	0.61
9,654.00	39.00	180.70	9,595.47	333.45	358.87	-318.65	6.98	6.81	-2.55
9,702.00	43.20	179.70	9,631.63	301.91	358.77	-287.14	8.86	8.75	-2.08
9,749.00	44.70	180.60	9,665.47	269.29	358.68	-254.55	3.46	3.19	1.91
9,797.00	50.40	180.60	9,697.85	233.89	358.31	-219.19	11.88	11.88	0.00
9,844.00	56.50	182.00	9,725.83	196.16	357.43	-181.53	13.20	12.98	2.98
9,893.00	61.50	183.50	9,751.06	154.23	355.41	-139.71	10.54	10.20	3.06
9,940.00	66.90	183.70	9,771.51	112.01	352.75	-97.64	11.50	11.49	0.43
9,989.00	72.70	181.40	9,788.42	66.09	350.72	-51.84	12.63	11.84	-4.69
10,042.00	77.00	178.50	9,802.27	14.95	350.78	-0.74	9.68	8.11	-5.47
10,080.00	79.00	179.60	9,810.18	-22.21	351.39	36.42	5.98	5.26	2.89
10,128.00	82.50	179.00	9,817.89	-69.57	351.97	83.77	7.40	7.29	-1.25
10,175.00	85.90	179.00	9,822.64	-116.32	352.79	130.51	7.23	7.23	0.00
10,224.00	87.20	178.60	9,825.59	-165.22	353.81	179.41	2.78	2.65	-0.82
10,271.00	87.10	176.60	9,827.92	-212.12	355.78	226.35	4.26	-0.21	-4.26
10,320.00	87.10	177.10	9,830.40	-260.98	358.47	275.28	1.02	0.00	1.02
10,367.00	88.40	178.70	9,832.25	-307.91	360.19	322.24	4.38	2.77	3.40
10,416.00	89.70	180.30	9,833.06	-356.90	360.62	371.20	4.21	2.65	3.27
10,512.00	90.50	180.30	9,832.89	-452.90	360.11	467.10	0.83	0.83	0.00
10,608.00	89.30	180.50	9,833.06	-548.89	359.44	562.99	1.27	-1.25	0.21
10,704.00	88.40	179.00	9,834.99	-644.87	359.86	658.91	1.82	-0.94	-1.56
10,800.00	89.20	183.60	9,837.00	-740.80	357.68	754.67	4.86	0.83	4.79
10,895.00	88.40	180.90	9,838.99	-835.69	353.96	849.34	2.96	-0.84	-2.84
10,991.00	88.30	180.30	9,841.75	-931.65	352.95	945.17	0.63	-0.10	-0.63
11,087.00	89.50	177.40	9,843.60	-1,027.60	354.88	1,041.12	3.27	1.25	-3.02
11,183.00	90.20	179.10	9,843.85	-1,123.55	357.81	1,137.11	1.92	0.73	1.77
11,278.00	89.40	175.50	9,844.18	-1,218.43	362.28	1,232.09	3.88	-0.84	-3.79
11,374.00	89.60	178.30	9,845.02	-1,314.27	367.47	1,328.07	2.92	0.21	2.92
11,470.00	89.50	177.40	9,845.77	-1,410.20	371.08	1,424.07	0.94	-0.10	-0.94
11,565.00	89.40	177.90	9,846.68	-1,505.12	374.97	1,519.06	0.54	-0.11	0.53
11,661.00	89.70	178.10	9,847.44	-1,601.06	378.32	1,615.06	0.38	0.31	0.21
11,757.00	89.90	179.10	9,847.77	-1,697.02	380.67	1,711.04	1.06	0.21	1.04
11,853.00	89.80	179.10	9,848.02	-1,793.01	382.17	1,807.01	0.10	-0.10	0.00
11,948.00	90.10	179.00	9,848.11	-1,888.00	383.75	1,901.99	0.33	0.32	-0.11
12,044.00	89.40	177.70	9,848.53	-1,983.96	386.51	1,997.98	1.54	-0.73	-1.35



Stryker Directional
Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well El Jefe 35/2 W1CN FED COM 2H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	WELL @ 2988.00usft (Patterson 809)
Site:	El Jefe 35/2	MD Reference:	WELL @ 2988.00usft (Patterson 809)
Well:	El Jefe 35/2 W1CN FED COM 2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM5000

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)
12,140.00	89.80	178.10	9,849.20	-2,079.89	390.03	2,093.97	0.59	0.42	0.42
12,235.00	89.70	180.00	9,849.61	-2,174.87	391.61	2,188.94	2.00	-0.11	2.00
12,331.00	90.40	180.50	9,849.53	-2,270.87	391.19	2,284.84	0.90	0.73	0.52
12,427.00	90.70	180.80	9,848.61	-2,366.86	390.10	2,380.71	0.44	0.31	0.31
12,523.00	90.60	179.80	9,847.52	-2,462.85	389.60	2,476.60	1.05	-0.10	-1.04
12,618.00	90.30	179.50	9,846.77	-2,557.84	390.18	2,571.54	0.45	-0.32	-0.32
12,714.00	89.90	180.00	9,846.60	-2,653.84	390.59	2,667.48	0.67	-0.42	0.52
12,809.00	89.80	178.80	9,846.85	-2,748.84	391.59	2,762.43	1.27	-0.11	-1.26
12,905.00	91.10	179.80	9,846.10	-2,844.82	392.76	2,858.39	1.71	1.35	1.04
13,000.00	90.40	180.30	9,844.85	-2,939.81	392.68	2,953.30	0.91	-0.74	0.53
13,095.00	90.30	178.50	9,844.27	-3,034.80	393.67	3,048.25	1.90	-0.11	-1.89
13,190.00	90.40	180.40	9,843.69	-3,129.79	394.59	3,143.20	2.00	0.11	2.00
13,286.00	90.30	181.50	9,843.11	-3,225.77	392.99	3,239.04	1.15	-0.10	1.15
13,382.00	90.60	179.50	9,842.35	-3,321.76	392.16	3,334.92	2.11	0.31	-2.08
13,476.00	90.10	181.10	9,841.78	-3,415.76	391.66	3,428.81	1.78	-0.53	1.70
13,572.00	89.70	183.30	9,841.95	-3,511.68	387.98	3,524.51	2.33	-0.42	2.29
13,668.00	90.40	182.00	9,841.86	-3,607.57	383.54	3,620.14	1.54	0.73	-1.35
13,764.00	90.30	182.30	9,841.28	-3,703.50	379.94	3,715.85	0.33	-0.10	0.31
13,860.00	90.40	181.40	9,840.69	-3,799.45	376.84	3,811.59	0.94	0.10	-0.94
13,955.00	90.20	181.10	9,840.19	-3,894.43	374.77	3,906.41	0.38	-0.21	-0.32
14,051.00	89.40	178.80	9,840.53	-3,990.42	374.85	4,002.32	2.54	-0.83	-2.40
14,146.00	89.80	178.60	9,841.19	-4,085.39	377.01	4,097.31	0.47	0.42	-0.21
14,242.00	89.90	178.20	9,841.44	-4,181.36	379.69	4,193.30	0.43	0.10	-0.42
14,338.00	89.90	177.90	9,841.61	-4,277.30	382.95	4,289.30	0.31	0.00	-0.31
14,433.00	90.00	181.40	9,841.69	-4,372.28	383.53	4,384.22	3.69	0.11	3.68
14,529.00	90.00	181.50	9,841.69	-4,468.25	381.11	4,480.02	0.10	0.00	0.10
14,624.00	89.80	180.70	9,841.86	-4,563.23	379.28	4,574.85	0.87	-0.21	-0.84
14,720.00	89.40	180.30	9,842.53	-4,659.23	378.44	4,670.73	0.59	-0.42	-0.42
14,816.00	89.40	180.90	9,843.53	-4,755.22	377.44	4,766.60	0.62	0.00	0.63
14,911.00	89.90	181.50	9,844.11	-4,850.19	375.45	4,861.42	0.82	0.53	0.63
15,007.00	89.70	180.50	9,844.45	-4,946.18	373.77	4,957.25	1.06	-0.21	-1.04
15,102.00	90.30	178.30	9,844.45	-5,041.16	374.77	5,052.20	2.40	0.63	-2.32
15,198.00	90.60	178.30	9,843.69	-5,137.12	377.62	5,148.19	0.31	0.31	0.00
15,293.00	90.20	177.40	9,843.03	-5,232.05	381.18	5,243.19	1.04	-0.42	-0.95
15,389.00	90.00	179.10	9,842.86	-5,328.00	384.11	5,339.18	1.78	-0.21	1.77
15,484.00	88.40	178.60	9,844.19	-5,422.97	386.02	5,434.15	1.76	-1.68	-0.53
15,580.00	89.90	180.20	9,845.61	-5,518.95	387.02	5,530.09	2.28	1.56	1.67
15,675.00	89.50	180.20	9,846.11	-5,613.95	386.69	5,625.00	0.42	-0.42	0.00
15,771.00	91.50	181.70	9,845.27	-5,709.92	385.10	5,720.83	2.60	2.08	1.56
15,867.00	91.00	179.60	9,843.18	-5,805.89	384.01	5,816.67	2.25	-0.52	-2.19
15,963.00	90.10	179.20	9,842.26	-5,901.88	385.02	5,912.62	1.03	-0.94	-0.42
16,059.00	90.90	180.10	9,841.42	-5,997.87	385.60	6,008.56	1.25	0.83	0.94
16,155.00	90.70	179.80	9,840.08	-6,093.86	385.69	6,104.48	0.38	-0.21	-0.31
16,252.00	90.20	179.60	9,839.32	-6,190.85	386.19	6,201.41	0.56	-0.52	-0.21



Stryker Directional
Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well El Jefe 35/2 W1CN FED COM 2H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	WELL @ 2988.00usft (Patterson 809)
Site:	El Jefe 35/2	MD Reference:	WELL @ 2988.00usft (Patterson 809)
Well:	El Jefe 35/2 W1CN FED COM 2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM5000

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
16,347.00	90.70	180.40	9,838.57	-6,285.85	386.19	6,296.33	0.99	0.53	0.84
16,444.00	90.50	179.10	9,837.56	-6,382.84	386.62	6,393.26	1.36	-0.21	-1.34
16,540.00	90.90	180.30	9,836.38	-6,478.83	387.12	6,489.19	1.32	0.42	1.25
16,636.00	90.10	180.30	9,835.55	-6,574.83	386.62	6,585.09	0.83	-0.83	0.00
16,732.00	90.30	179.70	9,835.21	-6,670.82	386.62	6,681.01	0.66	0.21	-0.63
16,828.00	89.50	179.90	9,835.38	-6,766.82	386.95	6,776.94	0.86	-0.83	0.21
16,924.00	89.20	179.40	9,836.47	-6,862.81	387.54	6,872.88	0.61	-0.31	-0.52
17,020.00	89.50	180.00	9,837.56	-6,958.81	388.04	6,968.81	0.70	0.31	0.63
17,116.00	89.50	179.60	9,838.39	-7,054.80	388.38	7,064.74	0.42	0.00	-0.42
17,212.00	90.10	180.20	9,838.73	-7,150.80	388.54	7,160.67	0.88	0.63	0.63
17,308.00	89.80	180.10	9,838.81	-7,246.80	388.29	7,256.58	0.33	-0.31	-0.10
17,405.00	89.50	179.20	9,839.41	-7,343.79	388.89	7,353.52	0.98	-0.31	-0.93
17,501.00	89.40	179.30	9,840.33	-7,439.78	390.14	7,449.48	0.15	-0.10	0.10
17,596.00	90.60	181.10	9,840.33	-7,534.78	389.81	7,544.38	2.28	1.26	1.89
17,691.00	89.50	179.80	9,840.24	-7,629.77	389.06	7,639.27	1.79	-1.16	-1.37
17,787.00	89.20	179.70	9,841.33	-7,725.76	389.48	7,735.20	0.33	-0.31	-0.10
17,883.00	89.80	179.70	9,842.17	-7,821.76	389.99	7,831.13	0.63	0.63	0.00
17,979.00	90.20	180.60	9,842.17	-7,917.76	389.73	7,927.04	1.03	0.42	0.94
18,075.00	89.90	179.60	9,842.09	-8,013.75	389.57	8,022.96	1.09	-0.31	-1.04
18,170.00	90.00	179.60	9,842.17	-8,108.75	390.23	8,117.90	0.11	0.11	0.00
18,265.00	89.70	179.60	9,842.42	-8,203.75	390.89	8,212.85	0.32	-0.32	0.00
18,362.00	90.50	180.40	9,842.25	-8,300.75	390.89	8,309.77	1.17	0.82	0.82
18,457.00	90.70	179.90	9,841.25	-8,395.74	390.65	8,404.67	0.57	0.21	-0.53
18,553.00	90.60	180.10	9,840.17	-8,491.73	390.65	8,500.59	0.23	-0.10	0.21
18,649.00	90.50	179.60	9,839.24	-8,587.73	390.90	8,596.51	0.53	-0.10	-0.52
18,744.00	90.50	179.70	9,838.42	-8,682.72	391.48	8,691.45	0.11	0.00	0.11
18,839.00	90.60	179.70	9,837.50	-8,777.72	391.97	8,786.39	0.11	0.11	0.00
18,935.00	90.50	179.50	9,836.58	-8,873.71	392.64	8,882.33	0.23	-0.10	-0.21
19,031.00	90.70	180.00	9,835.58	-8,969.71	393.06	8,978.26	0.56	0.21	0.52
19,127.00	90.70	179.60	9,834.40	-9,065.70	393.40	9,074.19	0.42	0.00	-0.42
19,223.00	90.30	180.10	9,833.57	-9,161.69	393.65	9,170.12	0.67	-0.42	0.52
19,319.00	90.10	179.70	9,833.23	-9,257.69	393.82	9,266.05	0.47	-0.21	-0.42
19,415.00	90.30	180.30	9,832.90	-9,353.69	393.82	9,361.97	0.66	0.21	0.63
19,511.00	89.90	180.30	9,832.73	-9,449.69	393.31	9,457.87	0.42	-0.42	0.00
19,607.00	89.90	179.10	9,832.90	-9,545.69	393.82	9,553.80	1.25	0.00	-1.25
19,703.00	90.30	180.00	9,832.73	-9,641.68	394.57	9,649.75	1.03	0.42	0.94
19,769.00	90.00	180.10	9,832.56	-9,707.68	394.51	9,715.69	0.48	-0.45	0.15
19,808.00	90.00	180.10	9,832.56	-9,746.68	394.45	9,754.66	0.00	0.00	0.00
19,908.00	90.00	179.80	9,832.56	-9,846.68	394.53	9,854.58	0.30	0.00	-0.30
Projection to TD - 19908.00' MD									



Stryker Directional
Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well El Jefe 35/2 W1CN FED COM 2H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	WELL @ 2988.00usft (Patterson 809)
Site:	El Jefe 35/2	MD Reference:	WELL @ 2988.00usft (Patterson 809)
Well:	El Jefe 35/2 W1CN FED COM 2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM5000

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
19,908.00	9,832.56	-9,846.68	394.53	Projection to TD - 19908.00' MD	

Checked By: _____

Approved By: _____

Date: _____



May 19, 2021

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
El Jefe 35/2 W1CN Federal Com #2H
Purple Sage; Wolfcamp (Gas)
Eddy County, New Mexico
API# 30-015-47816

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>
Wes Cartwright	Original Hole	259ft. to 19,808ft.	02-04-21 to 02-19-21	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.

A handwritten signature in black ink, appearing to read "Eric Estes", is written over the printed name.

Eric Estes

Enclosures
CC: Mewbourne Oil Company Mewbourne Oil Company
Attn: Frosty Lathan Attn: Robin Terrell
P.O. Box 5720 P.O. Box 5720
Hobbs, NM 88241 Hobbs, NM 88241

NMEMaNRD\Mewbourne Oil Company\El Jefe 35/2 W1CN Fed Com #2H\M211012

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



May 19, 2021

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 February 4, 2021, through February 19, 2021 conduct or supervise the taking of a SEDS Original Hole MWD Survey from a depth of 259feet to a depth of 19,808feet; that I am authorized and qualified to make this report; that this survey was conducted at the request of Mewbourne Oil Company, for the El Jefe 35 2 W1CN Federal Com #2H, well API # **30-015-47816** in Eddy 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

Stryker Directional
Stryker Standard Survey

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well El Jefe 35/2 W1CN FED COM 2H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	WELL @ 2988.00usft (Patterson 809)
Site:	El Jefe 35/2	MD Reference:	WELL @ 2988.00usft (Patterson 809)
Well:	El Jefe 35/2 W1CN FED COM 2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM5000

Survey Program	Date 2/19/2021				
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
259.00	19,908.00	Invictus MWD (Wellbore #1)	MWD	MWD v3:standard declination	

Survey											
MD (usft)	Inc (°)	Azi (°)	TVD (usft)	N/S (usft)	E/W (usft)	Northing (usft)	Easting (usft)	Build (°/100usft)	Turn (°/100usft)	V. Sec (usft)	
0.00	0.00	0.00	0.00	0.00	0.00	429,285.0000	625,147.0000	0.00	0.00	0.00	
259.00	0.70	19.83	258.99	1.49	0.54	429,286.4883	625,147.5387	0.27	0.00	-1.47	
349.00	0.80	225.83	348.99	1.68	0.39	429,286.8771	625,147.3852	-0.11	-171.11	-1.66	
411.00	0.40	246.83	410.99	1.37	-0.05	429,286.3658	625,146.9534	-0.32	33.87	-1.37	
493.00	0.10	17.83	492.99	1.32	-0.29	429,286.3213	625,146.7121	-0.37	159.76	-1.33	
570.00	0.20	349.40	569.99	1.52	-0.29	429,286.5173	625,146.7080	0.13	-36.92	-1.53	
664.00	0.40	346.80	663.99	2.00	-0.40	429,286.9978	625,146.6018	0.21	-2.98	-2.01	
791.00	1.50	29.50	790.97	3.88	0.32	429,288.8758	625,147.3176	0.87	33.78	-3.86	
887.00	3.00	35.00	886.89	7.03	2.38	429,292.0274	625,149.3773	1.56	5.73	-6.93	
1,079.00	4.50	36.10	1,078.48	17.23	9.70	429,302.2295	625,156.6974	0.78	0.57	-16.82	
1,271.00	3.60	32.00	1,269.99	28.43	17.33	429,313.4275	625,164.3298	-0.47	-2.14	-27.70	
1,463.00	4.80	37.20	1,461.48	39.94	25.38	429,324.9385	625,172.3812	0.62	2.71	-38.88	
1,654.00	4.80	36.90	1,651.81	52.69	35.01	429,337.6942	625,182.0108	0.00	-0.16	-51.23	
1,845.00	4.00	44.20	1,842.24	63.86	44.45	429,348.8608	625,191.4534	-0.42	3.82	-62.01	
2,036.00	4.40	39.60	2,032.73	74.28	53.77	429,359.2821	625,200.7680	0.21	-2.41	-72.04	
2,227.00	6.10	37.60	2,222.92	87.97	64.63	429,372.9687	625,211.6309	0.89	-1.05	-85.28	
2,419.00	5.70	48.20	2,413.91	102.41	77.96	429,387.4068	625,224.9635	-0.21	5.52	-99.17	
2,514.00	5.20	49.20	2,508.48	108.36	84.74	429,393.3644	625,231.7394	-0.53	1.05	-104.85	
2,617.00	4.70	48.60	2,611.10	114.20	91.44	429,399.2049	625,238.4381	-0.49	-0.58	-110.41	
2,807.00	5.90	25.00	2,800.30	128.21	101.41	429,413.2052	625,248.4056	0.63	-12.42	-124.00	
2,999.00	5.90	28.80	2,991.29	145.80	110.33	429,430.7962	625,257.3301	0.00	1.98	-141.21	
3,190.00	6.10	26.20	3,181.24	163.50	119.54	429,448.5043	625,266.5398	0.10	-1.36	-158.53	

Stryker Directional
Stryker Standard Survey

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well EJ Jefe 35/2 W1CN FED COM 2H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	WELL @ 2988.00usft (Patterson 809)
Site:	EI Jefe 35/2	MD Reference:	WELL @ 2988.00usft (Patterson 809)
Well:	EI Jefe 35/2 W1CN FED COM 2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM5000

Survey										
MD (usft)	Inc (°)	Azi (°)	TVD (usft)	N/S (usft)	E/W (usft)	Northing (usft)	Easting (usft)	Build (°/100usft)	Turn (°/100usft)	V. Sec (usft)
3,381.00	6.10	27.70	3,371.16	181.60	128.74	429,466.5951	625,275.7377	0.00	0.79	-176.23
3,572.00	5.50	34.50	3,561.18	198.12	138.64	429,483.1240	625,285.6397	-0.31	3.56	-192.35
3,763.00	5.70	34.20	3,751.27	213.51	149.16	429,498.5124	625,296.1555	0.10	-0.16	-207.30
3,955.00	5.60	41.50	3,942.34	228.41	160.72	429,513.4147	625,307.7224	-0.05	3.80	-221.72
4,146.00	5.30	42.80	4,132.48	241.87	172.89	429,526.8669	625,319.8911	-0.16	0.68	-234.67
4,337.00	5.20	43.00	4,322.68	254.67	184.79	429,539.6696	625,331.7877	-0.05	0.10	-246.98
4,528.00	5.00	46.70	4,512.92	266.71	196.75	429,551.7081	625,343.7482	-0.10	1.94	-258.53
4,720.00	4.40	41.60	4,704.27	277.95	207.73	429,562.9541	625,354.7275	-0.31	-2.66	-269.32
4,911.00	4.00	39.20	4,894.76	288.60	216.80	429,573.5955	625,363.8023	-0.21	-1.26	-279.58
5,102.00	3.60	32.30	5,085.34	298.83	224.22	429,583.8266	625,371.2170	-0.21	-3.61	-289.51
5,293.00	4.00	28.40	5,275.92	309.76	230.59	429,594.7553	625,377.5898	0.21	-2.04	-300.17
5,484.00	3.80	22.70	5,466.48	321.45	236.20	429,606.4542	625,383.2007	-0.10	-2.98	-311.63
5,675.00	3.60	29.30	5,657.08	332.52	241.58	429,617.5226	625,388.5778	-0.10	3.46	-322.47
5,867.00	3.70	40.60	5,848.70	342.48	248.56	429,627.4832	625,395.5595	0.05	5.89	-332.14
6,058.00	3.60	43.10	6,039.31	351.54	256.67	429,636.5409	625,403.6673	-0.05	1.31	-340.86
6,249.00	3.20	39.90	6,229.97	360.01	264.18	429,645.0090	625,411.1842	-0.21	-1.68	-349.02
6,440.00	4.30	10.90	6,420.58	371.13	268.96	429,656.1314	625,415.9583	0.58	-15.18	-359.94
6,631.00	4.50	14.10	6,611.01	385.43	272.14	429,670.4298	625,419.1377	0.10	1.68	-374.10
6,822.00	3.70	41.20	6,801.54	397.34	278.02	429,682.3352	625,425.0231	-0.42	14.19	-385.75
7,014.00	3.40	1.90	6,993.20	407.69	282.29	429,692.6883	625,429.2931	-0.16	-20.47	-395.93
7,205.00	4.30	31.80	7,183.79	419.44	286.25	429,704.4360	625,433.2546	0.47	15.65	-407.50
7,396.00	4.30	40.50	7,374.25	430.97	294.68	429,715.9666	625,441.6783	0.00	4.55	-418.68
7,588.00	2.60	45.20	7,565.90	439.51	302.44	429,724.5092	625,449.4437	-0.89	2.45	-426.91
7,780.00	2.60	46.70	7,757.70	445.56	308.70	429,730.5644	625,455.7031	0.00	0.78	-432.70
7,971.00	3.70	45.60	7,948.41	452.85	316.26	429,737.8476	625,463.2593	0.58	-0.58	-439.67
8,163.00	2.40	49.50	8,140.13	459.79	323.74	429,744.7932	625,470.7428	-0.68	2.03	-446.31
8,354.00	3.70	42.20	8,330.86	466.96	330.92	429,751.9562	625,477.9237	0.68	-3.82	-453.18

Stryker Directional
Stryker Standard Survey

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well El Jefe 35/2 W1CN FED COM 2H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	WELL @ 2988.00usft (Patterson 809)
Site:	El Jefe 35/2	MD Reference:	WELL @ 2988.00usft (Patterson 809)
Well:	El Jefe 35/2 W1CN FED COM 2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM5000

Survey											
MD (usft)	Inc (°)	Azi (°)	TVD (usft)	N/S (usft)	E/W (usft)	Northing (usft)	Easting (usft)	Build (°/100usft)	Turn (°/100usft)	V. Sec (usft)	
8,545.00	2.50	48.50	8,521.57	474.28	338.18	429,759.2822	625,485.1836	-0.63	3.30	-460.20	
8,735.00	1.90	99.80	8,711.45	476.49	344.39	429,761.4921	625,491.3916	-0.32	27.00	-462.16	
8,927.00	1.70	102.20	8,903.36	475.35	350.31	429,760.3485	625,497.3117	-0.10	1.25	-460.78	
9,118.00	1.20	96.90	9,094.29	474.51	355.07	429,759.5095	625,502.0664	-0.26	-2.77	-459.75	
9,213.00	1.10	107.00	9,189.28	474.12	356.93	429,759.1234	625,503.9260	-0.11	10.63	-459.29	
9,272.00	1.40	122.20	9,248.26	473.57	358.08	429,758.5737	625,505.0774	0.51	25.76	-458.69	
9,320.00	5.50	169.80	9,296.17	471.00	358.98	429,755.9959	625,505.9815	8.54	99.17	-456.08	
9,367.00	12.60	175.30	9,342.56	463.66	359.80	429,748.6605	625,506.8014	15.11	11.70	-448.72	
9,415.00	18.50	178.40	9,388.78	450.82	360.44	429,735.8187	625,507.4436	12.29	6.46	-435.86	
9,463.00	23.30	179.30	9,433.61	433.70	360.77	429,718.7040	625,507.7724	10.00	1.87	-418.74	
9,511.00	28.00	180.50	9,476.87	412.93	360.79	429,697.9329	625,507.7901	9.79	2.50	-397.99	
9,558.00	32.20	181.60	9,517.52	389.37	360.34	429,674.3723	625,507.3440	8.94	2.34	-374.47	
9,607.00	35.80	181.90	9,558.14	361.99	359.50	429,646.9893	625,506.5040	7.35	0.61	-347.14	
9,654.00	39.00	180.70	9,595.47	333.45	358.87	429,618.4546	625,505.8674	6.81	-2.55	-318.65	
9,702.00	43.20	179.70	9,631.63	301.91	358.77	429,586.9087	625,505.7688	8.75	-2.08	-287.14	
9,749.00	44.70	180.60	9,665.47	269.29	358.68	429,554.2910	625,505.6800	3.19	1.91	-254.55	
9,797.00	50.40	180.60	9,697.85	233.89	358.31	429,518.8899	625,505.3092	11.87	0.00	-219.19	
9,844.00	56.50	182.00	9,725.83	196.16	357.43	429,481.1626	625,504.4349	12.98	2.98	-181.53	
9,893.00	61.50	183.50	9,751.06	154.23	355.41	429,439.2257	625,502.4061	10.20	3.06	-139.71	
9,940.00	66.90	183.70	9,771.51	112.01	352.75	429,397.0099	625,499.7484	11.49	0.43	-97.64	
9,989.00	72.70	181.40	9,788.42	66.09	350.72	429,351.0920	625,497.7206	11.84	-4.69	-51.84	
10,042.00	77.00	178.50	9,802.27	14.95	350.78	429,299.9522	625,497.7784	8.11	-5.47	-0.74	
10,080.00	79.00	179.60	9,810.17	-22.21	351.39	429,262.7902	625,498.3933	5.26	2.89	36.42	
10,128.00	82.50	179.00	9,817.89	-69.57	351.97	429,215.4255	625,498.9732	7.29	-1.25	83.77	
10,175.00	85.90	179.00	9,822.64	-116.32	352.79	429,168.6801	625,499.7892	7.23	0.00	130.51	
10,224.00	87.20	178.60	9,825.59	-165.22	353.81	429,119.7808	625,500.8136	2.65	-0.82	179.41	
10,271.00	87.10	176.60	9,827.92	-212.12	355.78	429,072.8825	625,502.7792	-0.21	-4.26	226.35	

Stryker Directional
Stryker Standard Survey

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well El Jefe 35/2 W1CN FED COM 2H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	WELL @ 2988.00usft (Patterson 809)
Site:	El Jefe 35/2	MD Reference:	WELL @ 2988.00usft (Patterson 809)
Well:	El Jefe 35/2 W1CN FED COM 2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM5000

Survey										
MD (usft)	Inc (°)	Azi (°)	TVD (usft)	N/S (usft)	E/W (usft)	Northing (usft)	Easting (usft)	Build (°/100usft)	Turn (°/100usft)	V. Sec (usft)
10,320.00	87.10	177.10	9,830.40	-260.98	358.47	429,024.0194	625,505.4683	0.00	1.02	275.28
10,367.00	88.40	178.70	9,832.25	-307.91	360.19	428,977.0897	625,507.1888	2.77	3.40	322.24
10,416.00	89.70	180.30	9,833.06	-356.90	360.62	428,928.1009	625,507.6162	2.65	3.27	371.20
10,512.00	90.50	180.30	9,832.89	-452.90	360.11	428,832.1032	625,507.1136	0.83	0.00	467.10
10,608.00	89.30	180.50	9,833.06	-548.89	359.44	428,736.1074	625,506.4434	-1.25	0.21	562.99
10,704.00	88.40	179.00	9,834.99	-644.87	359.86	428,640.1314	625,506.8620	-0.94	-1.56	658.91
10,800.00	89.20	183.60	9,837.00	-740.80	357.68	428,544.2038	625,504.6845	0.83	4.79	754.67
10,895.00	88.40	180.90	9,838.99	-835.69	353.96	428,449.3074	625,500.9557	-0.84	-2.84	849.34
10,991.00	88.30	180.30	9,841.75	-931.65	352.95	428,353.3529	625,499.9508	-0.10	-0.62	945.17
11,087.00	89.50	177.40	9,843.60	-1,027.60	354.88	428,257.4019	625,501.8774	1.25	-3.02	1,041.12
11,183.00	90.20	179.10	9,843.85	-1,123.55	357.81	428,161.4512	625,504.8089	0.73	1.77	1,137.11
11,278.00	89.40	175.50	9,844.18	-1,218.43	362.28	428,066.5736	625,509.2832	-0.84	-3.79	1,232.09
11,374.00	89.60	178.30	9,845.02	-1,314.27	367.47	427,970.7273	625,514.4740	0.21	2.92	1,328.07
11,470.00	89.50	177.40	9,845.77	-1,410.20	371.08	427,874.7988	625,518.0754	-0.10	-0.94	1,424.07
11,565.00	89.40	177.90	9,846.68	-1,505.12	374.97	427,779.8834	625,521.9705	-0.11	0.53	1,519.06
11,661.00	89.70	178.10	9,847.44	-1,601.05	378.32	427,683.9450	625,525.3208	0.31	0.21	1,615.06
11,757.00	89.90	179.10	9,847.77	-1,697.02	380.67	427,587.9755	625,527.6662	0.21	1.04	1,711.04
11,853.00	89.80	179.10	9,848.02	-1,793.01	382.17	427,491.9877	625,529.1741	-0.10	0.00	1,807.01
11,948.00	90.10	179.00	9,848.11	-1,888.00	383.75	427,397.0009	625,530.7492	0.32	-0.11	1,901.99
12,044.00	89.40	177.70	9,848.53	-1,983.96	386.51	427,301.0443	625,533.5133	-0.73	-1.35	1,997.98
12,140.00	89.80	178.10	9,849.20	-2,079.89	390.03	427,205.1115	625,537.0310	0.42	0.42	2,093.97
12,235.00	89.70	180.00	9,849.61	-2,174.87	391.61	427,110.1298	625,538.6060	-0.11	2.00	2,188.94
12,331.00	90.40	180.50	9,849.53	-2,270.87	391.19	427,014.1317	625,538.1871	0.73	0.52	2,284.84
12,427.00	90.70	180.80	9,848.61	-2,366.86	390.10	426,918.1425	625,537.0981	0.31	0.31	2,380.71
12,523.00	90.60	179.80	9,847.52	-2,462.85	389.60	426,822.1512	625,536.5955	-0.10	-1.04	2,476.60
12,618.00	90.30	179.50	9,846.77	-2,557.84	390.18	426,727.1561	625,537.1758	-0.32	-0.32	2,571.54
12,714.00	89.90	180.00	9,846.60	-2,653.84	390.59	426,631.1577	625,537.5947	-0.42	0.52	2,667.48

Stryker Directional
Stryker Standard Survey

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well El Jefe 35/2 W1CN FED COM 2H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	WELL @ 2988.00usft (Patterson 809)
Site:	El Jefe 35/2	MD Reference:	WELL @ 2988.00usft (Patterson 809)
Well:	El Jefe 35/2 W1CN FED COM 2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM5000

Survey										
MD (usft)	Inc (°)	Azi (°)	TVD (usft)	N/S (usft)	E/W (usft)	Northing (usft)	Easting (usft)	Build (°/100usft)	Turn (°/100usft)	V. Sec (usft)
12,809.00	89.80	178.80	9,846.85	-2,748.84	391.59	426,536.1650	625,538.5895	-0.11	-1.26	2,762.43
12,905.00	91.10	179.80	9,846.10	-2,844.82	392.76	426,440.1784	625,539.7623	1.35	1.04	2,858.39
13,000.00	90.40	180.30	9,844.85	-2,939.81	392.68	426,345.1875	625,539.6794	-0.74	0.53	2,953.30
13,095.00	90.30	178.50	9,844.27	-3,034.80	393.67	426,250.1984	625,540.6741	-0.11	-1.89	3,048.25
13,190.00	90.40	180.40	9,843.69	-3,129.79	394.59	426,155.2089	625,541.5860	0.11	2.00	3,143.20
13,286.00	90.30	181.50	9,843.11	-3,225.77	392.99	426,059.2253	625,539.9944	-0.10	1.15	3,239.04
13,382.00	90.60	179.50	9,842.35	-3,321.76	392.16	425,963.2369	625,539.1567	0.31	-2.08	3,334.92
13,476.00	90.10	181.10	9,841.78	-3,415.76	391.66	425,869.2433	625,538.6645	-0.53	1.70	3,428.81
13,572.00	89.70	183.30	9,841.95	-3,511.68	387.98	425,773.3203	625,534.9795	-0.42	2.29	3,524.51
13,668.00	90.40	182.00	9,841.86	-3,607.57	383.54	425,677.4257	625,530.5411	0.73	-1.35	3,620.14
13,764.00	90.30	182.30	9,841.28	-3,703.50	379.94	425,581.4952	625,526.9396	-0.10	0.31	3,715.85
13,860.00	90.40	181.40	9,840.69	-3,799.45	376.84	425,485.5480	625,523.8406	0.10	-0.94	3,811.59
13,955.00	90.20	181.10	9,840.19	-3,894.43	374.77	425,390.5721	625,521.7682	-0.21	-0.32	3,906.41
14,051.00	89.40	178.80	9,840.53	-3,990.42	374.85	425,294.5799	625,521.8519	-0.83	-2.40	4,002.32
14,146.00	89.80	178.60	9,841.19	-4,085.39	377.01	425,199.6069	625,524.0071	0.42	-0.21	4,097.31
14,242.00	89.90	178.20	9,841.44	-4,181.36	379.69	425,103.6449	625,526.6876	0.10	-0.42	4,193.30
14,338.00	89.90	177.90	9,841.61	-4,277.30	382.95	425,007.7007	625,529.9542	0.00	-0.31	4,289.30
14,433.00	90.00	181.40	9,841.69	-4,372.28	383.53	424,912.7173	625,530.5345	0.11	3.68	4,384.22
14,529.00	90.00	181.50	9,841.69	-4,468.25	381.11	424,816.7481	625,528.1052	0.00	0.10	4,480.02
14,624.00	89.80	180.70	9,841.86	-4,563.23	379.28	424,721.7666	625,526.2815	-0.21	-0.84	4,574.85
14,720.00	89.40	180.30	9,842.53	-4,659.23	378.44	424,625.7729	625,525.4437	-0.42	-0.42	4,670.73
14,816.00	89.40	180.90	9,843.53	-4,755.22	377.44	424,529.7839	625,524.4385	0.00	0.62	4,766.60
14,911.00	89.90	181.50	9,844.11	-4,850.19	375.45	424,434.8072	625,522.4490	0.53	0.63	4,861.42
15,007.00	89.70	180.50	9,844.45	-4,946.18	373.77	424,338.8237	625,520.7736	-0.21	-1.04	4,957.25
15,102.00	90.30	178.30	9,844.45	-5,041.16	374.77	424,243.8352	625,521.7684	0.63	-2.32	5,052.20
15,198.00	90.60	178.30	9,843.69	-5,137.12	377.62	424,147.8805	625,524.6162	0.31	0.00	5,148.19
15,293.00	90.20	177.40	9,843.03	-5,232.05	381.18	424,052.9509	625,528.1801	-0.42	-0.95	5,243.19

Stryker Directional
Stryker Standard Survey

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well El Jefe 35/2 W1CN FED COM 2H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	WELL @ 2988.00usft (Patterson 809)
Site:	El Jefe 35/2	MD Reference:	WELL @ 2988.00usft (Patterson 809)
Well:	El Jefe 35/2 W1CN FED COM 2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM5000

Survey											
MD (usft)	Inc (°)	Azi (°)	TVD (usft)	N/S (usft)	E/W (usft)	Northing (usft)	Easting (usft)	Build (°/100usft)	Turn (°/100usft)	V. Sec (usft)	
15,389.00	90.00	179.10	9,842.86	-5,328.00	384.11	423,956.9994	625,531.1117	-0.21	1.77	5,339.18	
15,484.00	88.40	178.60	9,844.19	-5,422.97	386.02	423,862.0311	625,533.0180	-1.68	-0.53	5,434.15	
15,580.00	89.90	180.20	9,845.61	-5,518.95	387.02	423,766.0528	625,534.0229	1.56	1.67	5,530.09	
15,675.00	89.50	180.20	9,846.11	-5,613.95	386.69	423,671.0549	625,533.6913	-0.42	0.00	5,625.00	
15,771.00	91.50	181.70	9,845.27	-5,709.92	385.10	423,575.0794	625,532.1000	2.08	1.56	5,720.83	
15,867.00	91.00	179.60	9,843.18	-5,805.89	384.01	423,479.1141	625,531.0114	-0.52	-2.19	5,816.67	
15,963.00	90.10	179.20	9,842.26	-5,901.88	385.02	423,383.1249	625,532.0167	-0.94	-0.42	5,912.62	
16,059.00	90.90	180.10	9,841.42	-5,997.87	385.60	423,287.1322	625,532.6031	0.83	0.94	6,008.56	
16,155.00	90.70	179.80	9,840.08	-6,093.86	385.69	423,191.1417	625,532.6869	-0.21	-0.31	6,104.48	
16,252.00	90.20	179.60	9,839.32	-6,190.85	386.19	423,094.1464	625,533.1948	-0.52	-0.21	6,201.41	
16,347.00	90.70	180.40	9,838.57	-6,285.85	386.19	422,999.1504	625,533.1948	0.53	0.84	6,296.33	
16,444.00	90.50	179.10	9,837.56	-6,382.84	386.62	422,902.1588	625,533.6180	-0.21	-1.34	6,393.26	
16,540.00	90.90	180.30	9,836.38	-6,478.83	387.12	422,806.1692	625,534.1206	0.42	1.25	6,489.19	
16,636.00	90.10	180.30	9,835.55	-6,574.83	386.62	422,710.1749	625,533.6180	-0.83	0.00	6,585.09	
16,732.00	90.30	179.70	9,835.21	-6,670.82	386.62	422,614.1760	625,533.6180	0.21	-0.62	6,681.01	
16,828.00	89.50	179.90	9,835.38	-6,766.82	386.95	422,518.1776	625,533.9531	-0.83	0.21	6,776.94	
16,924.00	89.20	179.40	9,836.47	-6,862.81	387.54	422,422.1860	625,534.5395	-0.31	-0.52	6,872.88	
17,020.00	89.50	180.00	9,837.56	-6,958.81	388.04	422,326.1940	625,535.0421	0.31	0.62	6,968.81	
17,116.00	89.50	179.60	9,838.39	-7,054.80	388.38	422,230.1984	625,535.3772	0.00	-0.42	7,064.74	
17,212.00	90.10	180.20	9,838.73	-7,150.80	388.54	422,134.2000	625,535.5447	0.62	0.62	7,160.67	
17,308.00	89.80	180.10	9,838.81	-7,246.80	388.29	422,038.2005	625,535.2934	-0.31	-0.10	7,256.58	
17,405.00	89.50	179.20	9,839.41	-7,343.79	388.89	421,941.2053	625,535.8859	-0.31	-0.93	7,353.52	
17,501.00	89.40	179.30	9,840.33	-7,439.78	390.14	421,845.2179	625,537.1424	-0.10	0.10	7,449.48	
17,596.00	90.60	181.10	9,840.33	-7,534.78	389.81	421,750.2241	625,536.8109	1.26	1.89	7,544.38	
17,691.00	89.50	179.80	9,840.24	-7,629.77	389.06	421,655.2306	625,536.0648	-1.16	-1.37	7,639.27	
17,787.00	89.20	179.70	9,841.33	-7,725.76	389.48	421,559.2378	625,536.4836	-0.31	-0.10	7,735.20	
17,883.00	89.80	179.70	9,842.17	-7,821.76	389.99	421,463.2432	625,536.9862	0.62	0.00	7,831.13	

Stryker Directional
Stryker Standard Survey

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well El Jefe 35/2 W1CN FED COM 2H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	WELL @ 2988.00usft (Patterson 809)
Site:	El Jefe 35/2	MD Reference:	WELL @ 2988.00usft (Patterson 809)
Well:	El Jefe 35/2 W1CN FED COM 2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM5000

Survey										
MD (usft)	Inc (°)	Azi (°)	TVD (usft)	N/S (usft)	E/W (usft)	Northing (usft)	Easting (usft)	Build (°/100usft)	Turn (°/100usft)	V. Sec (usft)
17,979.00	90.20	180.60	9,842.17	-7,917.76	389.73	421,367.2447	625,536.7349	0.42	0.94	7,927.04
18,075.00	89.90	179.60	9,842.09	-8,013.75	389.57	421,271.2463	625,536.5674	-0.31	-1.04	8,022.95
18,170.00	90.00	179.60	9,842.17	-8,108.75	390.23	421,178.2486	625,537.2306	0.11	0.00	8,117.90
18,265.00	89.70	179.60	9,842.42	-8,203.75	390.89	421,081.2514	625,537.8938	-0.32	0.00	8,212.85
18,362.00	90.50	180.40	9,842.25	-8,300.75	390.89	420,984.2531	625,537.8938	0.82	0.82	8,309.77
18,457.00	90.70	179.90	9,841.25	-8,395.74	390.65	420,889.2590	625,537.6451	0.21	-0.53	8,404.67
18,553.00	90.60	180.10	9,840.17	-8,491.73	390.65	420,793.2652	625,537.6451	-0.10	0.21	8,500.59
18,649.00	90.50	179.60	9,839.24	-8,587.73	390.90	420,697.2703	625,537.8964	-0.10	-0.52	8,596.51
18,744.00	90.50	179.70	9,838.41	-8,682.72	391.48	420,602.2757	625,538.4767	0.00	0.11	8,691.45
18,839.00	90.60	179.70	9,837.50	-8,777.72	391.97	420,507.2814	625,538.9741	0.11	0.00	8,786.39
18,935.00	90.50	179.50	9,836.58	-8,873.71	392.64	420,411.2882	625,539.6443	-0.10	-0.21	8,882.33
19,031.00	90.70	180.00	9,835.58	-8,969.71	393.06	420,315.2947	625,540.0632	0.21	0.52	8,978.26
19,127.00	90.70	179.60	9,834.40	-9,065.70	393.40	420,219.3027	625,540.3982	0.00	-0.42	9,074.19
19,223.00	90.30	180.10	9,833.57	-9,161.69	393.65	420,123.3072	625,540.6495	-0.42	0.52	9,170.12
19,319.00	90.10	179.70	9,833.23	-9,257.69	393.82	420,027.3081	625,540.8171	-0.21	-0.42	9,266.05
19,415.00	90.30	180.30	9,832.90	-9,353.69	393.82	419,931.3092	625,540.8171	0.21	0.62	9,361.97
19,511.00	89.90	180.30	9,832.73	-9,449.89	393.31	419,835.3109	625,540.3144	-0.42	0.00	9,457.87
19,607.00	89.90	179.10	9,832.90	-9,545.69	393.82	419,739.3141	625,540.8171	0.00	-1.25	9,553.80
19,703.00	90.30	180.00	9,832.73	-9,641.88	394.57	419,643.3184	625,541.5711	0.42	0.94	9,649.75
19,799.00	90.00	180.10	9,832.56	-9,707.68	394.51	419,577.3187	625,541.5135	-0.45	0.15	9,715.69
19,808.00	90.00	180.10	9,832.56	-9,746.68	394.45	419,538.3188	625,541.4464	0.00	0.00	9,754.66
19,908.00	90.00	179.80	9,832.56	-9,846.68	394.53	419,438.3189	625,541.5327	0.00	-0.30	9,854.58

Stryker Directional
Stryker Standard Survey

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well El Jefe 35/2 W1CN FED COM 2H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	WELL @ 2988.00usft (Patterson 809)
Site:	El Jefe 35/2	MD Reference:	WELL @ 2988.00usft (Patterson 809)
Well:	El Jefe 35/2 W1CN FED COM 2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM5000

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
19,908.00	9,832.56	-9,846.68	394.53	Projection to TD - 19908.00' MD

Checked By: _____

Approved By: _____

Date: _____

Intent ☐ As Drilled ☒

API # 30-015-47816		
Operator Name: Mewbourne Oil Co.	Property Name: El Jefe 35/2 W1CN Fed Com	Well Number 2H

Kick Off Point (KOP)

UL C	Section 35	Township 24S	Range 28E	Lot	Feet 24	From N/S N	Feet 1651	From E/W W	County Eddy
Latitude 32.1811915					Longitude -104.0612786			NAD 83	

First Take Point (FTP)

UL C	Section 35	Township 24S	Range 28E	Lot	Feet 371	From N/S N	Feet 1643	From E/W W	County Eddy
Latitude 32.1802396					Longitude -104.0612956			NAD 83	

Last Take Point (LTP)

UL N	Section 2	Township 25S	Range 28E	Lot	Feet 336	From N/S S	Feet 1646	From E/W W	County Eddy
Latitude 32.1528724					Longitude -104.0612441			NAD 83	

Is this well the defining well for the Horizontal Spacing Unit? ☒Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018



U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Sundry Print Report

07/20/2021

Well Name: EL JEFE 35/2 W1CN FED COM	Well Location: T24S / R28E / SEC 35 / NWNW / 32.1798922 / -104.0624397	County or Parish/State: EDDY / NM
Well Number: 2H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM025953, NMNM25953	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001547816	Well Status: Drilling Well	Operator: MEWBOURNE OIL COMPANY

Subsequent Report

Type of Submission: Subsequent Report

Type of Action: Hydraulic Fracturing

Date Sundry Submitted: 07/13/2021

Time Sundry Submitted: 02:48

Date Operation Actually Began: 05/02/2021

Actual Procedure: Frac horizontal Wolfcamp from 9923' MD to 19852' MD w/963,522 gals Slickwater & 24,206,406 gals PW Slickwater, carrying 29,089,482# local 100 mesh sand. Flowback well for cleanup. 06/06/2021 Drill out frac plugs to PBTD @ 19859'. 06/11/2021 RIH w/3 1/2" 9.3# L80 IPC tbg & GLVs to 9233'. 06/15/2021 PWOL. FORMATION TOPS: Castile 1100', B/salt 2400', Delaware 2602', Bell Canyon 2633', Cherry Canyon 3485', Manzanita Marker 3618', Bone Spring 6336', 1st Bone Spring 7183', 2nd Bone Spring 8081', 3rd Bone Spring 9137', Wolfcamp 9515'. REQUEST FOR OCD EXTENSION OF TIME TO FILE BLM APPROVED FORM 3160-4.

Well Name: EL JEFE 35/2 W1CN FED COM	Well Location: T24S / R28E / SEC 35 / NWNW / 32.1798922 / -104.0624397	County or Parish/State: EDDY / NM
Well Number: 2H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM025953, NMNM25953	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001547816	Well Status: Drilling Well	Operator: MEWBOURNE OIL COMPANY

Operator Certification

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: BRADLEY BISHOP**Signed on:** JUL 13, 2021 02:47 PM**Name:** MEWBOURNE OIL COMPANY**Title:** Regulatory**Street Address:** PO Box 5270**City:** Hobbs**State:** NM**Phone:** (575) 393-5905**Email address:** bbishop@mewbourne.com**Field Representative****Representative Name:** Jackie Lathan**Street Address:** PO Box 5270**City:** Hobbs**State:** NM**Zip:** 88241**Phone:** (575)393-5905**Email address:** jlathan@mewbourne.com**BLM Point of Contact****BLM POC Name:** Jonathon W Shepard**BLM POC Title:** Petroleum Engineer**BLM POC Phone:** 5752345972**BLM POC Email Address:** jshepard@blm.gov**Disposition:** Accepted**Disposition Date:** 07/16/2021**Signature:** Jonathon Shepard



U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Well Completion Print Report

07/28/2021

Operator Name MEWBOURNE OIL COMPANY SHL NWNW Sec 35 24S 28E	Well Name EL JEFE 35/2 W1CN FED COM	Well Number 2H	US Well Number 3001547816
	County EDDY	State NM	Lease Number(s) NMNM025953, NMNM25953
Well Type CONVENTIONAL GAS WELL	Well Status Drilling Well	Agreement Name	Agreement Number(s)
Allottee/Tribe Name	Well Pad Name EL JEFE 35/2 CN FED COMs	Well Pad Number 2	ID 10400050727

Section 1 - General

Well Completion Report Id: 78030	Submission Date: N/A until DB Work	
BLM Office: Carlsbad Field Office	User: Bradley Bishop	Title: Regulatory
Federal/Indian: FEDERAL	Lease Number: NMNM025953	Lease Acres:
Agreement in place?: NO	Federal or Indian Agreement:	
Agreement Number:	Agreement Name:	
Keep this Well Completion Report confidential?: YES		
APD Operator: MEWBOURNE OIL COMPANY		

Section 2 - Well Information

Field/Pool or Exploratory: Field/Pool	Pool Name: WOLFCAMP	Field Name: PURPLE SAGE
Well Type: CONVENTIONAL GAS WELL		
Spud Date: 02-01-2021		
Date Total Measured Depth Reached: 02-19-2021		
Drill & Abandon or Ready To Produce: READY TO PRODUCE		
Well Class: HORIZONTAL		

Section 3 - Geologic Formations

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral Resources

Operator Name MEWBORNE OIL COMPANY SHL NWNW Sec 35 24S 28E	Well Name EL JEFE 35/2 W1CN FED COM	Well Number 2H	US Well Number 3001547816
Well Type CONVENTIONAL GAS WELL	County EDDY	State NM	Lease Number(s) NMNM025953, NMNM25953
Allottee/Tribe Name	Well Status Drilling Well	Agreement Name	Agreement Number(s)
	Well Pad Name EL JEFE 35/2 CN FED COMs	Well Pad Number 2	ID 10400050727

Completion and Completed Intervals

Completion Data

Wellbore Code	Completion Code	Interval Number	Case Number	Lease Number	Well Completion Type	Describe Well Completion Type	Completion Status	Date Completed	Date First Produced	Formation	Interval Top (MD)	Interval Bottom (MD)	Interval Perforated?	Perforation Size	Number of Holes	Status of Interval
00	X1	1	NMNM25953	NMNM25953	NEW		DRG	05-14-2021	06-15-2021	WOLFCA MP	9923	19852	Y	.39	2196	OPEN

Treatment Data

Wellbore Code	Completion Code	Interval Number	Interval Treated?	Treatment Type	Tottle Fluid (bbis)	Total Proppant (lbs)	Treatment Remarks
00	X1	1	Y	FRAC	599284		Frac horizontal Wolfcamp w/963,522 gals Slickwater & 24,206,406 gals PW Slickwater, carrying 29,089,482 # local 100 mesh sand.

Production Data

Wellbore Code	Completion Code	Interval Number	API Oil Gravity	Gas Gravity	Production Method	Describe Production	Disposition of Gas	Describe Disposition
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Operator Name MEWBORNE OIL COMPANY SHL NWNW Sec 35 24S 28E	Well Name EL JEFE 35/2 W1CN FED COM	Well Number 2H	US Well Number 3001547816
	County EDDY	State NM	Lease Number(s) NMNM025953, NMNM25953
Well Type CONVENTIONAL GAS WELL	Well Status Drilling Well	Agreement Name	Agreement Number(s)
Allottee/Tribe Name	Well Pad Name EL JEFE 35/2 CN FED COMs	Well Pad Number 2	ID 10400050727

Production Data

Describe Disposition	Disposition of Gas	Describe Production	Production Method	Gas Gravity	API Oil Gravity	Interval Number	Completion Code	Wellbore Code
	SOLD		GAS LIFT			1	X1	00

Test Data

Casing Pressure (psi)	Tubing Pressure Shut-In (psi)	Tubing Pressure	Choke Size	Gas-Oil Ratio (SCF/Bbl)	24-Hour Rate Water(BWPD)	24-Hour Rate Gas (MCF)	24-Hour Rate Oil (bbls)	Hours Tested	Test Date	Interval Number	Completion Code	Wellbore Code
140		1810	40/64	2668	4686	3536	1325	24	06/24/2021	1	X1	00

Well Location

Survey Type: RECTANGULAR

Survey Number:

Datum: NAD83

Vertical Datum: NAVD88

Reference Datum: KB

Aliquot/Lot/Tract	Section	Range	Township	EW-Indicator	EW-Foot	NS-Indicator	NS-Foot	Plug Type	Plug MD (ft)	Plug TVD (ft)	Lease Number	Lease Type	Elevation (MSL)	Longitude	Latitude	County	Meridian	State

Operator Name MEWBOURNE OIL COMPANY SHL NWNW Sec 35 24S 28E	Well Name EL JEFE 35/2 W1CN FED COM	Well Number 2H	US Well Number 3001547816
Well Type CONVENTIONAL GAS WELL	County EDDY	State NM	Lease Number(s) NMNM025953, NMNM25953
Allottee/Tribe Name	Well Status Drilling Well	Agreement Name	Agreement Number(s)
	Well Pad Name EL JEFE 35/2 CN FED COMs	Well Pad Number 2	ID 10400050727

	State	Meridian	County	Latitude	Longitude	Elevation (MSL)	Lease Type	Lease Number	Plug TVD (ft)	Plug MID (ft)	Plug Type	NS-Foot	NS-Indicator	EW-Foot	EW-Indicator	Township	Range	Section	Aliquot/Lot/Tract
SHL	NEW MEXICO	NEW MEXICO PRINCIPAL	EDDY	32.1798922	-104.0624397	2960	FEDERAL	NMNM25953				501	FNL	1288	FWL	24S	28E	35	NWNW
KOP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	EDDY	32.1811915	-104.0612786	-6288	FEDERAL	NMNM25953				24	FNL	1651	FWL	24S	28E	35	NENW
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	EDDY	32.1775707	-104.0613078	-6880	FEE	FEE				1342	FNL	1631	FWL	24S	28E	35	SENW
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	EDDY	32.1802396	-104.0612956	-6804	FEDERAL	NMNM25953				371	FNL	1643	FWL	24S	28E	35	NENW
EXIT Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	EDDY	32.1528724	-104.0612441	-6874	FEE	FEE				336	FSL	1646	FWL	24S	28E	2	SESW
BHL Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	EDDY	32.1528229	-104.0612423	-6894	FEE	FEE				318	FSL	1646	FWL	24S	28E	2	SESW

Casing, Liner and Tubing

Operator Name MEWBOURNE OIL COMPANY SHL NWNW Sec 35 24S 28E	Well Name EL JEFE 35/2 W1CN FED COM	Well Number 2H	US Well Number 3001547816
Well Type CONVENTIONAL GAS WELL	County EDDY	State NM	Lease Number(s) NMNM025953, NMNM25953
Allottee/Tribe Name	Well Status Drilling Well	Agreement Name	Agreement Number(s)
	Well Pad Name EL JEFE 35/2 CN FED COMs	Well Pad Number 2	ID 10400050727

Casing and Liner

Wellbore Code	Casing String Type	Hole Size	Top Setting Depth (MD)	Bottom Setting Depth (MD)	Casing Size	Wt(lbs/ft)	Casing Grade	Describe Other Casing Grade	Joint	Other Joint	Amount Pulled (ft)
00	SURFACE	17.5	0	509	13.375	54.5	J-55		ST&C		
00	INTERMEDIATE	12.25	0	2574	9.625	40	HCL-80		LT&C		
00	PRODUCTION	8.75	0	10040	7.0	29	HCP-110		LT&C		
00	LINER	6.125	9254	19908	4.5	13.5	HCP-110		LT&C		

Cementing

Wellbore Code	Casing String Type	Stage Tool Depth	Cement Lead Type	Cement Lead Qty (sks)	Cement Lead Yield (cu.ft/sks)	Cement Lead Top (MD)	Cement Tail Type	Cement Tail Qty (sks)	Cement Tail Yield (cu.ft/sks)	Cement Tail Top (MD)	Total (Lead + Tail) Cement Slurry Volume (bbls)
00	SURFACE		Class C	575	1.34	0					137.2
00	INTERMEDIATE		Premium Plus (65/35/6)	575	1.68	0	Class C	200	1.33		219.4
00	PRODUCTION		Class C	325	4.13	2000	Class H	400	1.18		323.1
00	LINER		Class H	875	1.74	9254				925	271.2

Operator Name MEWBOURNE OIL COMPANY SHL NWNW Sec 35 24S 28E	Well Name EL JEFE 35/2 W1CN FED COM	Well Number 2H	US Well Number 3001547816
Well Type CONVENTIONAL GAS WELL	County EDDY	State NM	Lease Number(s) NMNM025953, NMNM25953
Allottee/Tribe Name	Well Status Drilling Well	Agreement Name	Agreement Number(s)
	Well Pad Name EL JEFE 35/2 CN FED COMs	Well Pad Number 2	ID 10400050727

Tubing

Wellbore Code	Tubing Size	Describe Other	Tubing Setting Depth (MD/ft)	Packer Depth (MD/ft)	Tubing Weight	Tubing Grade	Describe Other	Tubing Coupling	Describe Other
00	3.5		9233	9217	9	L-80		OTHER	EUE

Logs

Wellbore Code	Log Upload	Was Well Cored?	Was DST Run?	Directional Survey?	Geologic Report Completed?	Wellbore Diagram
00	YES	NO	NO	YES	NO	YES

Operator Name MEWBOURNE OIL COMPANY SHL NWNW Sec 35 24S 28E	Well Name EL JEFE 35/2 W1CN FED COM	Well Number 2H	US Well Number 3001547816
Well Type CONVENTIONAL GAS WELL	County EDDY	State NM	Lease Number(s) NMNM025953, NMNM25953
Allottee/Tribe Name	Well Status Drilling Well	Agreement Name	Agreement Number(s)
	Well Pad Name EL JEFE 35/2 CN FED COMs	Well Pad Number 2	ID 10400050727

Operator Certification

I hereby certify that the foregoing and attached information is complete and correct as determined from all available records. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Well Completion Reports through this system satisfies regulations requiring a submission of Form 3160-4 or a Well Completion Report.

Name: MEWBOURNE OIL COMPANY

Signed By: Bradley Bishop

Title: Regulatory

Signed on: 07/28/2021

Street Address: PO Box 5270

City: Hobbs

State: NM

Zip: 88260

Phone: (575)393-5905

Email address: bbishop@mewbourne.com

Field Representative

Representative Name: Jackie Lathan

Street Address: PO Box 5270

City: Hobbs

State: NM

Zip: 88241

Phone: (575)393-5905

Extension:

Email address: jlathan@mewbourne.com

Attachments

Final__El_Jefe_35_2_W1CN_Fed_Com_2H_2.5in__TVD_20210714102158.pdf

Final__El_Jefe_35_2_W1CN_Fed_Com_2H_2.5in_MD_20210714102230.pdf

Final__El_Jefe_35_2_W1CN_Fed_Com_2H_5in__MD_20210714102246.pdf

Final__El_Jefe_35_2_W1CN_Fed_Com_2H_5in__TVD_20210714102257.pdf

El_Jefe_35_2_W1CN_Fed_Com_2H_Final_PvA_20210714102344.pdf

Operator Name MEWBOURNE OIL COMPANY SHL NWNW Sec 35 24S 28E	Well Name EL JEFE 35/2 W1CN FED COM	Well Number 2H	US Well Number 3001547816
Well Type CONVENTIONAL GAS WELL	County EDDY	State NM	Lease Number(s) NMNM025953, NMNM25953
Allottee/Tribe Name	Well Status Drilling Well	Agreement Name	Agreement Number(s)
	Well Pad Name EL JEFE 35/2 CN FED COMs	Well Pad Number 2	ID 10400050727

20210728061354_20210728061354.pdf

Mewbourne Oil Company

Well Name: El Jefe 35/2 W1CN Fed Com #2H

Updated by: Andy Taylor

Spud Date: 2/1/2021

Date Updated: 7/22/2021

Surface

17 1/2" x 13 3/4" 54.5# J55

Set @ 509'

Cmt w/ 575 sx

Circ. 92 sx to pit

Intermediate

12 1/4" x 9 1/4" 40# HCL80

Set @ 2574'

Cmt w/ 775 sx

Circ. 66 sx to pit

Production

8 3/4" x 7" 29# HCP110

Set @ 10,040'

Cmt w/ 725 sx

TOC @ 2000' (est.)

TBG Detail:

1	2 7/8" Sub w/ Collar	6.00'
1	2 7/8" x 7" AS 1X Pkr	9.75'
1	2 7/8" SN & Collar	1.10'
1	2 7/8" x 3 1/2" X/O	0.60'
1	3 1/2" 9.3# L80 IPC tbg	33.00'
1	3 1/2" L80 IPC GLV #1	4.10'
20	3 1/2" 9.3# L80 IPC tbg	658.65'
1	3 1/2" L80 IPC GLV #2	4.10'
21	3 1/2" 9.3# L80 IPC tbg	687.73'
1	3 1/2" L80 IPC GLV #3	4.10'
20	3 1/2" 9.3# L80 IPC tbg	659.48'
1	3 1/2" L80 IPC GLV #4	4.10'
21	3 1/2" 9.3# L80 IPC tbg	686.07'
1	3 1/2" L80 IPC GLV #5	4.10'
21	3 1/2" 9.3# L80 IPC tbg	691.54'
1	3 1/2" L80 IPC GLV #6	4.10'
20	3 1/2" 9.3# L80 IPC tbg	656.86'
1	3 1/2" L80 IPC GLV #7	4.10'
21	3 1/2" 9.3# L80 IPC tbg	689.56'
1	3 1/2" L80 IPC GLV #8	4.10'
21	3 1/2" 9.3# L80 IPC tbg	680.25'
1	3 1/2" L80 IPC GLV #9	4.10'
20	3 1/2" 9.3# L80 IPC tbg	622.42'
1	3 1/2" L80 IPC GLV #10	4.10'
37	3 1/2" 9.3# L80 IPC tbg	1164.06'
1	3 1/2" L80 IPC GLV #11	4.10'
58	3 1/2" 9.3# L80 IPC tbg	1900.36'
2	3 1/2" 9.3# L80 IPC subs	12.00'
1	3 1/2" 9.3# L80 IPC tbg	32.63'
Total tbg		9205.46'
KB Correction		28.00'
Tbg set @		9233.46'

Liner

6 1/8" x 4 1/2" HCP110

Set @ 9254' - 19,908'

Cmt w/ 875 sx

TOC @ 9254'

KOP @ 9272'

Dev @ KOP: 1.4°

TVD @ 9850'

TD 6 1/8" hole @ 19,908'

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 38565

ACKNOWLEDGMENTS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 38565
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

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CONDITIONS

Action 38565

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 38565
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	None	9/3/2021