

State of New Mexico
Energy, Minerals and Natural Resources Department

Michelle Lujan Grisham
Governor

Sarah Cottrell Propst
Cabinet Secretary

Todd E. Leahy, JD, PhD
Deputy Secretary

Adrienne Sandoval, Division Director
Oil Conservation Division



Notice of C-104 Denial and Request for Information

OCD denies your C-104 – *Request for Allowable and Authorization to Transport* because it is incomplete or conflicts with other information provided to OCD.

The sale or transport of product without a C-104 approved by OCD violates the Oil and Gas Act and the implementing rules, including 19.15.7.15 and 19.15.16.19 NMAC.

To avoid an enforcement action, you must submit the indicated information no later than 30 days after receipt of this notice.

Test Allowable, New Well and Recompleted Well Amend C-104

- ☐ C-103 (or BLM equivalent) for all casing strings
 - ☐ Spud Notice
 - ☐ Surface Casing
 - ☐ Intermediate Casing (if applicable)
 - ☐ Additional Intermediate Casing (if applicable)
 - ☐ Production Casing or Liner
- ☐ Applicable Order (NSL, NSP, Other _____)
- ☐ Deviation Survey for Vertical Wells
- ☐ Directional Survey
 - ☒ C-102 (As-Drilled Plat for Horizontal Well)

New Well and Recompleted Well Only

- ☒ C-103 Completion Sundry (or BLM equivalent) *Missing*
- ☒ C-105 Completion Report (or BLM equivalent) *missing Amend*
- ☐ All Logs Run on Well

If you have any questions please contact the local OCD District Office

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 88240		² OGRID Number 14744
		³ Reason for Filing Code/ Effective Date NW / 09/17/19
⁴ API Number 30 - 015-45378	⁵ Pool Name Purple Sage; Wolfcamp (Gas)	⁶ Pool Code 98220
⁷ Property Code 320047	⁸ Property Name Zeppelin 32 W0LI St Com	⁹ Well Number 3H

II. ¹⁰ Surface Location

Ul or lot no. M	Section 32	Township 23S	Range 28E	Lot Idn	Feet from the 1105	North/South Line South	Feet from the 285	East/West line West	County Eddy
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¹¹ Bottom Hole Location

Ul or lot no. D	Section 32	Township 23S	Range 28E	Lot Idn	Feet from the 1380	North/South line South	Feet from the 337	East/West line East	County Eddy
¹² Lse Code S	¹³ Producing Method Code Flowing	¹⁴ Gas Connection Date 09/17/19	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
278421	Holly Refining & Marketing PO Box 159 Artesia, NM 88210	O
327139	Sendero Midstream 1000 Louisiana Stree Suite 6900 Houston, TX 77002	G

NM OIL CONSERVATION
ARTESIA DISTRICT
OCT 25 2019

IV. Well Completion Data

RECEIVED

²¹ Spud Date 06/23/19	²² Ready Date 09/17/19	²³ TD 14325'	²⁴ PBDT 14191'	²⁵ Perforations 9780' - 14176'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 1/2"	13 3/8"	372'	400		
12 1/4"	9 5/8"	2505	775		
8 3/4"	7"	9890'	775		
6 1/8"	4 1/2" Liner	9028' - 14308'	350		

V. Well Test Data

³¹ Date New Oil 09/17/19	³² Gas Delivery Date 09/17/19	³³ Test Date 9/20/19	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure NA	³⁶ Csg. Pressure 1500
³⁷ Choke Size 36/64"	³⁸ Oil 759	³⁹ Water 4637	⁴⁰ Gas 1302	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: *Jackie Lathan*
Printed name: Jackie Lathan
Title: Regulatory
E-mail Address: jlathan@mewbourne.com
Date: 10/08/19
Phone: 575-393-5905

OIL CONSERVATION DIVISION

Approved by:

DENIED

Title:

See Attached Cover Sheet

Approval Date:

**Tbg. Size & CLASS MISSING*

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

NM OIL CONSERVATION
ARTESIA DISTRICT
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

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-45378	² Pool Code 98220	³ Pool Name Purple Sage; Wolfcamp (Gas)
⁴ Property Code 320047	⁵ Property Name ZEPELIN 32 WOLI STATE COM	
⁷ GRID NO. 14744	⁸ Operator Name MEWBOURNE OIL COMPANY	
		⁶ Well Number 3H
		⁹ Elevation 3098'

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
M	32	23S	28E		1105	SOUTH	285	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
I	32	23S	28E		1380'	SOUTH	337'	EAST	EDDY

¹² Dedicated Acres 320	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: 457396.6 - E: 608120.5
LAT: 32.2572738° N
LONG: 104.1172909° W
BOTTOM HOLE
N: 457650.6 - E: 612830.0
LAT: 32.2579449° N
LONG: 104.1020538° W

CORNER DATA
NAD 83 GRID - NM EAST
A: FOUND BRASS CAP "1942"
N: 456291.1 - E: 607826.1
B: FOUND BRASS CAP "1969"
N: 461580.5 - E: 607871.0
C: FOUND BRASS CAP "1969"
N: 461574.1 - E: 610550.0
D: FOUND 100D NAIL
N: 461569.8 - E: 613183.9
E: FOUND COTTON SPINDLE
N: 458943.1 - E: 613163.6
F: FOUND YELLOW PLASTIC CAP
"ILLEGIBLE"
N: 456301.5 - E: 613156.1
G: FOUND ALUMINUM CAP "5412"
N: 456296.5 - E: 610491.1

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: Jackie Lathan Date: 10/8/19
Printed Name: Jackie Lathan
E-mail Address: _____

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.

7-16-18
Date of Survey
Signature and Seal of Professional Surveyor: [Signature]
19680
Certificate Number
REV: 10/4/18 Name

PROF. ROBERT M. HOWETT
NEW MEXICO
19680
PROFESSIONAL SURVEYOR

Job No.: LS1807902

STRYKER

DIRECTIONAL

September 6, 2019

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

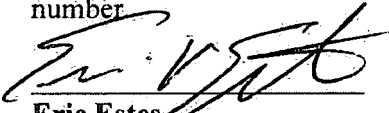
Attn: Jackie Lathan

Re: Mewbourne Oil Company
Zeppelin 32 WOLI State Com #3H
Purple Sage; Wolfcamp (Gas)
Eddy County, New Mexico
API# 30-015-45378

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>
Greg Morris	Original Hole	306ft. to 14,256ft.	06-23-19 to 07-07-19	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\Zeppelin 32 WOLI State Com #3HM191125

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



September 6, 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 June 23, 2019, through July 7, 2019 conduct or supervise the taking of a SEDS Original Hole MWD Survey from a depth of 306feet to a depth of 14,256feet; that I am authorized and qualified to make this report; that this survey was conducted at the request of Mewbourne Oil Company, for the Zeppelin 32 W0LI State Com #3H well API # 30-015-45378 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 Energy Directional Services
Survey Report Landscape



Company: Mewbourne Oil Company
Project: Eddy County, N.M. Nad (83)
Site: Section 32-23S-28E Zeppelin 32
Well: Zeppelin 32 WOLI State Com 3H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Zeppelin 32 WOLI State Com 3H
TVD Reference: 3098 + 27 @ 3125.0usft (Patterson 217)
MD Reference: 3098 + 27 @ 3125.0usft (Patterson 217)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM5000

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	457,396.60	608,120.50
306.0	0.70	245.50	306.0	-0.8	-1.7	1.9	245.50	0.23	457,395.82	608,118.80
436.0	2.00	251.20	436.0	-1.8	-4.6	4.9	248.12	1.00	457,394.76	608,115.93
617.0	0.60	101.40	616.9	-3.0	-6.6	7.3	245.37	1.40	457,393.56	608,113.87
738.0	0.30	131.50	737.9	-3.4	-5.8	6.7	239.69	0.31	457,393.22	608,114.73
928.0	0.80	167.20	927.9	-5.0	-5.1	7.1	225.62	0.31	457,391.60	608,115.39
1,118.0	0.40	171.60	1,117.9	-6.9	-4.7	8.4	214.17	0.21	457,389.65	608,115.78
1,307.0	0.40	192.00	1,306.9	-8.2	-4.8	9.5	209.98	0.07	457,388.35	608,115.74
1,495.0	0.40	207.30	1,494.9	-9.5	-5.2	10.8	208.74	0.06	457,387.13	608,115.30
1,684.0	0.80	121.00	1,683.9	-10.7	-4.4	11.6	202.13	0.46	457,385.86	608,116.13
1,873.0	1.60	109.90	1,872.8	-12.3	-0.8	12.3	183.51	0.44	457,384.28	608,119.75
2,061.0	2.00	47.10	2,060.8	-11.0	4.1	11.7	159.44	1.01	457,385.62	608,124.62
2,251.0	0.70	79.70	2,250.7	-8.5	7.7	11.5	137.91	0.77	457,388.09	608,128.19
2,439.0	0.80	88.90	2,438.7	-8.3	10.1	13.1	129.26	0.08	457,388.32	608,130.63
2,464.0	0.70	87.40	2,463.7	-8.3	10.5	13.3	128.34	0.41	457,388.33	608,130.96
2,543.0	0.50	76.20	2,542.7	-8.2	11.3	13.9	125.92	0.29	457,388.43	608,131.77
2,669.0	2.10	313.40	2,668.7	-6.4	10.1	12.0	122.48	1.91	457,390.15	608,130.63
2,764.0	4.10	310.60	2,763.5	-3.0	6.3	7.0	115.82	2.11	457,393.56	608,126.79
2,954.0	4.10	306.90	2,953.0	5.5	-4.3	6.9	321.74	0.14	457,402.06	608,116.20
3,143.0	4.10	306.30	3,141.5	13.5	-15.2	20.3	311.73	-0.02	457,410.11	608,105.35
3,331.0	3.60	298.40	3,329.1	20.3	-25.8	32.8	308.24	0.39	457,416.90	608,094.74
3,521.0	3.90	317.90	3,518.7	27.9	-35.3	45.0	308.32	0.69	457,424.53	608,085.16
3,710.0	3.90	319.00	3,707.3	37.6	-43.9	57.7	310.57	0.04	457,434.15	608,076.64
3,900.0	3.60	314.60	3,896.9	46.6	-52.4	70.1	311.68	0.22	457,443.22	608,068.15
4,089.0	3.30	310.20	4,085.5	54.3	-60.7	81.5	311.80	0.21	457,450.89	608,059.77
4,278.0	3.30	312.20	4,274.2	61.5	-68.9	92.3	311.73	0.06	457,458.06	608,051.58
4,467.0	3.10	311.60	4,462.9	68.5	-76.8	102.9	311.75	0.11	457,465.11	608,043.73



Stryker Energy Directional Services

Survey Report Landscape



Company: Mewbourne Oil Company
Project: Eddy County, N.M. Nad (83)
Site: Section 32-23S-28E Zeppelin 32
Well: Zeppelin 32 WOLI State Com 3H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Database:

Well Zeppelin 32 WOLI State Com 3H
 3098 + 27 @ 3125.0usft (Patterson 217)
 3098 + 27 @ 3125.0usft (Patterson 217)
 Grid
 Minimum Curvature
 EDM5000

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100usft)	Northing (usft)	Easting (usft)	
4,856.0	3.90	301.20	4,651.6	75.2	-86.1	114.3	311.15	0.54	457,471.83	608,034.41	
4,846.0	3.90	312.90	4,841.1	83.0	-96.3	127.2	310.74	0.42	457,479.57	608,024.15	
5,035.0	3.30	311.20	5,029.8	90.9	-105.1	139.0	310.85	0.32	457,487.53	608,015.35	
5,225.0	2.90	304.00	5,219.5	97.2	-113.2	149.3	310.65	0.29	457,493.82	608,007.25	
5,415.0	4.00	309.60	5,409.1	104.1	-122.3	160.7	310.40	0.60	457,500.73	607,998.16	
5,604.0	4.00	321.20	5,597.7	113.5	-131.5	173.7	310.78	0.43	457,510.07	607,988.95	
5,793.0	3.40	326.10	5,786.3	123.3	-138.8	185.6	311.61	0.36	457,519.86	607,981.69	
5,983.0	3.10	297.50	5,976.0	130.3	-146.5	196.1	311.65	0.86	457,526.91	607,973.99	
6,173.0	4.20	294.00	6,165.6	135.5	-157.4	207.7	310.72	0.59	457,532.11	607,963.08	
6,361.0	4.00	319.90	6,353.1	143.3	-167.9	220.8	310.48	0.98	457,539.93	607,952.57	
6,550.0	3.30	304.10	6,541.8	151.4	-176.7	232.7	310.60	0.65	457,548.02	607,943.82	
6,740.0	2.10	280.40	6,731.6	155.1	-184.6	241.1	310.03	0.85	457,551.72	607,935.86	
6,929.0	3.70	300.30	6,920.3	158.8	-193.3	250.2	309.41	0.99	457,555.42	607,927.19	
7,118.0	3.30	327.30	7,109.0	166.5	-201.5	261.4	309.56	0.89	457,563.08	607,918.99	
7,308.0	3.20	327.90	7,298.7	175.6	-207.3	271.6	310.26	0.06	457,572.17	607,913.21	
7,498.0	2.90	326.10	7,488.4	184.1	-212.8	281.3	310.86	0.17	457,580.65	607,907.72	
7,687.0	3.70	311.80	7,677.1	192.1	-220.0	292.1	311.12	0.60	457,588.68	607,900.50	
7,877.0	2.90	312.10	7,866.8	199.4	-228.1	303.0	311.15	0.42	457,595.99	607,892.37	
8,066.0	4.60	317.50	8,055.4	208.2	-236.8	315.3	311.32	0.92	457,604.79	607,883.70	
8,255.0	3.30	310.50	8,243.9	217.3	-246.1	328.3	311.45	0.73	457,613.91	607,874.44	
8,444.0	4.00	284.10	8,432.5	222.4	-256.6	339.6	310.92	0.95	457,619.05	607,863.91	
8,633.0	3.90	337.30	8,621.1	230.0	-265.5	351.2	310.90	1.87	457,626.58	607,855.03	
8,822.0	2.10	352.50	8,809.9	239.3	-268.4	359.6	311.73	1.03	457,635.95	607,852.10	
8,916.0	0.70	338.20	8,903.8	241.6	-268.8	361.4	311.94	1.52	457,638.19	607,851.66	
9,009.0	0.40	305.20	8,996.8	242.3	-269.3	362.3	311.98	0.46	457,638.90	607,851.19	
9,063.0	0.50	75.30	9,050.8	242.5	-269.2	362.3	312.01	1.51	457,639.07	607,851.26	
9,110.0	5.40	83.30	9,097.8	242.8	-266.8	360.8	312.30	10.44	457,639.38	607,853.66	



Stryker Energy Directional Services
Survey Report Landscape



Company: Mewbourne Oil Company
Project: Eddy County, N.M., Nad (83)
Site: Section 32-23S-28E Zeppelin 32
Well: Zeppelin 32 WOLI State Com 3H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Zeppelin 32 WOLI State Com 3H
TVD Reference: 3098 + 27 @ 3125.0usft (Patterson 217)
MD Reference: 3098 + 27 @ 3125.0usft (Patterson 217)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM5000

Survey:

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	EW (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
9,157.0	11.50	84.40	9,144.2	243.5	-260.0	356.2	313.13	12.98	457,640.10	607,860.52
9,204.0	17.90	83.20	9,189.7	244.8	-248.1	348.6	314.61	13.63	457,641.41	607,872.37
9,251.0	23.50	83.60	9,233.6	246.7	-231.6	338.4	316.81	11.92	457,643.31	607,888.87
9,298.0	29.10	86.50	9,275.7	248.5	-210.9	325.9	319.67	12.22	457,645.06	607,909.60
9,346.0	33.10	90.10	9,316.8	249.1	-186.1	311.0	323.24	9.19	457,645.75	607,934.37
9,393.0	37.80	89.90	9,355.1	249.1	-158.9	295.5	327.48	10.00	457,645.75	607,961.63
9,441.0	44.00	90.00	9,391.4	249.2	-127.5	279.9	332.91	12.92	457,645.78	607,993.04
9,488.0	48.40	89.30	9,423.9	249.4	-93.5	266.4	339.44	9.42	457,645.99	608,026.95
9,535.0	53.30	89.40	9,453.6	249.8	-57.1	256.2	347.12	10.43	457,646.40	608,063.39
9,582.0	58.10	89.40	9,480.0	250.2	-18.3	250.9	355.82	10.21	457,646.81	608,102.20
9,630.0	62.90	89.20	9,503.7	250.7	23.5	251.8	35.35	10.01	457,647.32	608,143.96
9,677.0	67.30	88.20	9,523.5	251.7	66.1	260.2	14.71	9.56	457,648.29	608,186.57
9,724.0	72.40	87.60	9,539.6	253.3	110.1	276.2	23.50	10.92	457,649.91	608,230.65
9,771.0	76.70	87.70	9,552.2	255.2	155.4	298.8	31.34	9.15	457,651.77	608,275.90
9,819.0	81.10	88.60	9,561.4	256.7	202.5	326.9	38.27	9.35	457,653.29	608,322.97
9,847.0	82.90	89.00	9,565.3	257.3	230.2	345.2	41.82	6.58	457,653.87	608,350.69
9,925.0	89.00	88.30	9,570.8	259.1	307.9	402.4	49.92	7.87	457,655.70	608,428.43
9,957.0	88.70	88.90	9,571.4	259.9	339.9	427.9	52.60	2.10	457,656.48	608,460.42
10,051.0	87.80	89.00	9,574.3	261.6	433.9	506.6	58.91	0.96	457,658.21	608,554.36
10,146.0	89.70	90.20	9,576.4	262.3	528.8	590.3	63.62	2.37	457,658.87	608,649.33
10,240.0	90.50	90.80	9,576.2	261.4	622.8	675.5	67.23	1.06	457,658.05	608,743.32
10,336.0	88.00	90.90	9,577.5	260.0	718.8	764.4	70.11	2.61	457,656.63	608,839.29
10,430.0	87.40	91.00	9,581.3	258.5	812.7	852.8	72.36	-0.65	457,655.07	608,933.20
10,525.0	87.60	90.50	9,585.4	257.2	907.6	943.4	74.18	0.57	457,653.83	609,028.11
10,619.0	86.60	88.00	9,590.2	258.5	1,001.5	1,034.3	75.53	2.86	457,655.05	609,121.97
10,714.0	87.30	87.90	9,595.2	261.8	1,096.3	1,127.1	76.57	0.74	457,658.45	609,216.77
10,809.0	86.80	86.40	9,600.1	266.6	1,191.0	1,220.5	77.38	1.66	457,663.16	609,311.53



Stryker Energy Directional Services
Survey Report Landscape



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Zeppelin 32 WOLI State Com 3H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	3098 + 27 @ 3125.0usft (Patterson 217)
Site:	Section 32-23S-28E Zeppelin 32	MD Reference:	3098 + 27 @ 3125.0usft (Patterson 217)
Well:	Zeppelin 32 WOLI State Com 3H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	EDM5000

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
10,903.0	89.60	88.50	9,603.0	270.7	1,284.9	1,313.1	78.10	3.72	457,667.34	609,405.37
10,998.0	89.40	90.30	9,603.9	271.7	1,379.9	1,406.4	78.86	1.91	457,668.34	609,500.36
11,092.0	88.10	92.00	9,605.9	269.9	1,473.8	1,498.3	79.62	2.28	457,666.45	609,594.31
11,187.0	88.30	92.00	9,608.9	266.5	1,568.7	1,591.2	80.36	0.21	457,663.14	609,689.21
11,282.0	87.30	91.50	9,612.6	263.6	1,663.6	1,684.4	80.99	1.18	457,660.24	609,784.09
11,376.0	88.20	92.70	9,616.3	260.2	1,757.5	1,776.6	81.58	1.59	457,656.80	609,877.95
11,471.0	89.70	91.50	9,618.0	256.7	1,852.4	1,870.1	82.11	2.02	457,653.32	609,972.87
11,566.0	88.70	91.40	9,619.3	254.3	1,947.3	1,963.9	82.56	1.06	457,650.91	610,067.83
11,661.0	87.00	91.30	9,622.9	252.1	2,042.2	2,057.7	82.96	1.79	457,648.68	610,162.73
11,755.0	87.60	89.70	9,627.3	251.3	2,136.1	2,150.8	83.29	1.82	457,647.88	610,256.62
11,850.0	88.90	88.40	9,630.2	252.8	2,231.1	2,245.3	83.53	1.93	457,649.43	610,351.56
11,944.0	90.90	88.20	9,630.4	255.6	2,325.0	2,339.0	83.73	2.14	457,652.22	610,445.51
12,039.0	87.40	88.40	9,631.8	258.4	2,419.9	2,433.7	83.90	3.69	457,655.04	610,540.45
12,133.0	85.10	87.00	9,637.9	262.2	2,513.7	2,527.3	84.05	2.86	457,658.80	610,634.16
12,227.0	86.80	89.70	9,644.6	264.9	2,607.4	2,620.8	84.20	3.39	457,661.50	610,727.88
12,322.0	88.70	91.80	9,648.3	263.7	2,702.3	2,715.1	84.43	2.98	457,660.25	610,822.78
12,417.0	88.10	91.30	9,651.0	261.1	2,797.2	2,809.4	84.67	0.82	457,657.68	610,917.71
12,511.0	87.70	91.00	9,654.4	259.2	2,891.1	2,902.7	84.88	0.53	457,655.80	611,011.63
12,606.0	91.40	91.40	9,655.1	257.2	2,986.1	2,997.1	85.08	3.92	457,653.81	611,106.59
12,701.0	89.70	91.00	9,654.2	255.2	3,081.1	3,091.6	85.26	1.84	457,651.82	611,201.56
12,796.0	90.90	92.40	9,653.7	252.4	3,176.0	3,186.0	85.46	1.94	457,649.00	611,296.51
12,890.0	88.70	91.20	9,654.1	249.5	3,270.0	3,279.5	85.64	2.67	457,646.05	611,390.46
12,985.0	89.10	92.00	9,655.9	246.8	3,364.9	3,373.9	85.81	0.94	457,643.40	611,485.40
13,080.0	84.50	89.70	9,661.2	245.4	3,459.7	3,468.4	85.94	5.41	457,641.99	611,580.21
13,175.0	85.70	89.30	9,669.3	246.2	3,554.4	3,562.9	86.04	1.33	457,642.81	611,674.86
13,270.0	86.50	89.30	9,675.8	247.4	3,649.1	3,657.5	86.12	0.84	457,643.97	611,769.63
13,364.0	87.20	88.40	9,680.9	249.3	3,743.0	3,751.3	86.19	1.21	457,645.86	611,863.47



Stryker Energy Directional Services
Survey Report Landscape



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Zeppelin 32 WOLI State Com 3H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	3098 + 27 @ 3125.0usft (Patterson 217)
Site:	Section 32-23S-28E Zeppelin 32	MD Reference:	3098 + 27 @ 3125.0usft (Patterson 217)
Well:	Zeppelin 32 WOLI State Com 3H.	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	EDM5000

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100usft)	Northing (usft)	Easting (usft)	
13,459.0	90.40	87.70	9,682.9	252.5	3,837.9	3,846.2	88.24	3.45	457,649.09	611,958.38	
13,554.0	91.30	87.10	9,681.5	256.8	3,932.8	3,941.1	86.26	1.14	457,653.40	612,053.27	
13,648.0	91.80	88.00	9,679.0	260.8	4,026.6	4,035.1	86.29	1.09	457,657.41	612,147.15	
13,743.0	88.80	88.40	9,678.5	263.8	4,121.6	4,130.0	86.34	3.19	457,660.40	612,242.09	
13,838.0	88.50	88.40	9,680.7	266.4	4,216.5	4,224.9	86.38	0.32	457,663.05	612,337.03	
13,933.0	87.20	88.00	9,684.3	269.4	4,311.4	4,319.8	86.42	1.43	457,666.03	612,431.91	
14,027.0	88.30	88.50	9,688.0	272.3	4,405.3	4,413.7	86.46	1.29	457,668.90	612,525.79	
14,122.0	85.10	88.50	9,693.4	274.8	4,500.1	4,508.5	86.51	3.37	457,671.38	612,620.59	
14,217.0	82.20	86.80	9,703.9	278.6	4,594.4	4,602.9	86.53	3.53	457,675.25	612,714.91	
14,256.0	82.50	86.70	9,709.1	280.8	4,633.0	4,641.5	86.53	0.81	457,677.44	612,753.51	
14,325.0	82.50	86.70	9,718.1	284.8	4,701.3	4,709.9	86.53	0.00	457,681.38	612,821.80	

Checked By: _____ Approved By: _____ Date: _____



COMPANY: Mowbourne Oil Company
WELL: Zeppelin 32 WOLI State Com 3H
COUNTY: Eddy County, N.M. Nod (83)
DATUM: North American Datum 1983
RIG: Patterson Patterson 217



OFFICE: 936.582.7296

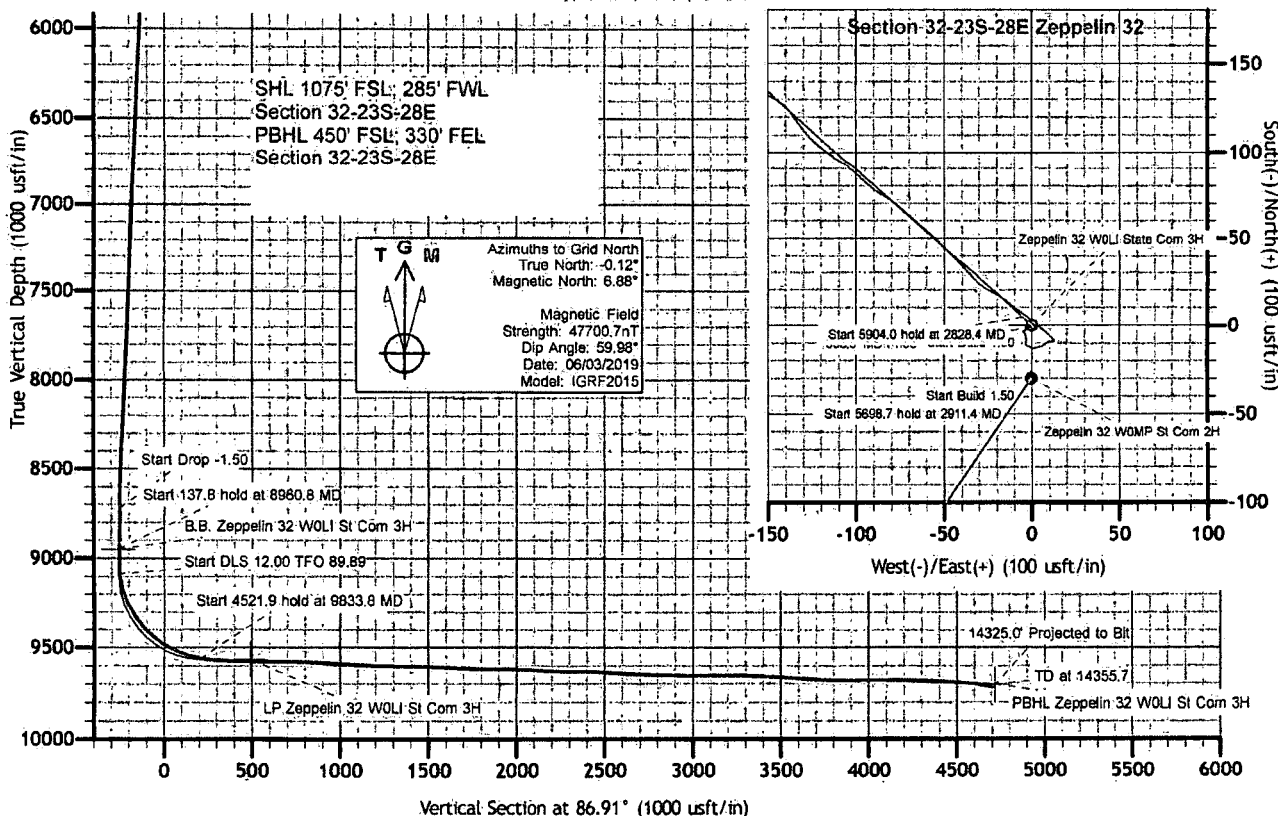
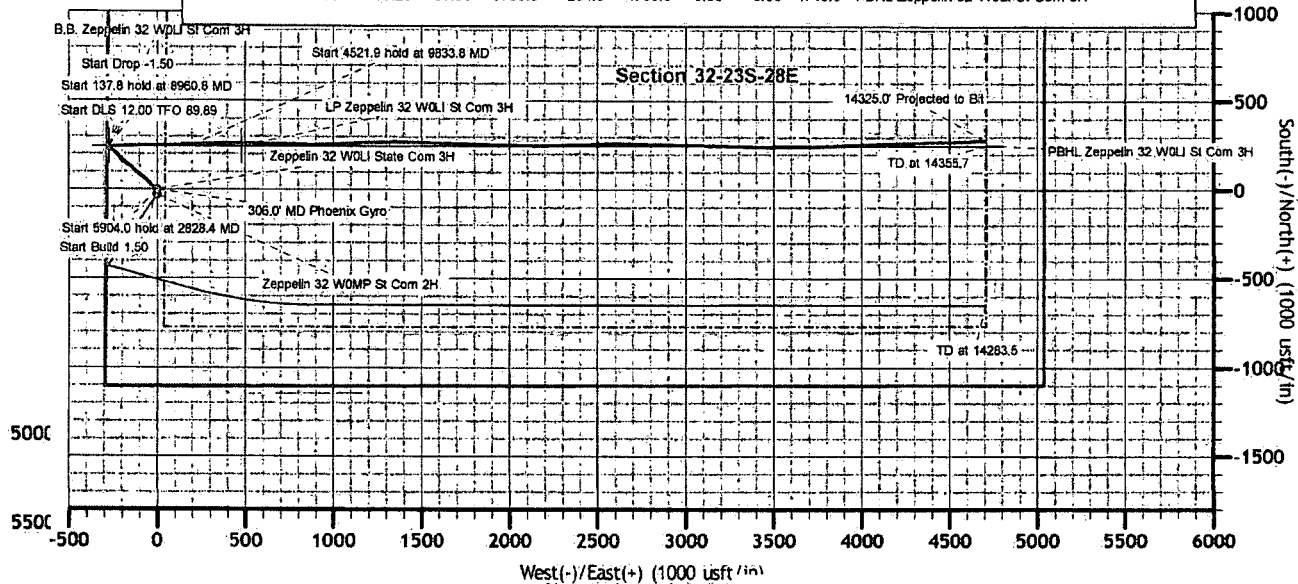
GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 6.88°

GEODETTIC ZONE: New Mexico Eastern Zone
3098 + 27 @ 3125.0usft (Patterson 217)
GROUND ELEVATION: 3098.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	457396.80	608120.50	32° 15' 26.185 N	104° 7' 2.247 W	

PLAN SECTIONS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	2600.0	0.00	0.00	2600.0	0.0	0.0	0.00	0.00	0.0	
3	2828.4	3.43	311.86	2828.3	4.6	-5.1	1.50	311.86	-4.8	
4	8732.4	3.43	311.86	8721.7	240.0	-267.9	0.00	0.00	-254.5	
5	8960.8	0.00	0.00	8950.0	244.5	-272.9	1.50	180.00	-259.4	B.B. Zeppelin 32 WOLI St Com 3H
6	9098.6	0.00	0.00	9087.8	244.5	-272.9	0.00	0.00	-259.4	
7	9833.8	88.23	89.89	9565.0	245.4	189.7	12.00	89.89	202.7	
8	14355.7	88.23	89.89	9705.0	254.0	4709.5	0.00	0.00	4718.3	PBHL Zeppelin 32 WOLI St Com 3H



Submit To: Appropriate District Office Two Copies 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 and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505			Form C-105 Revised April 3, 2017													
1. WELL API NO. 30-015-45378																		
2. Type of Lease ☒ STATE ☐ FEE ☐ FED/INDIAN																		
3. State Oil & Gas Lease No.																		
WELL COMPLETION OR RECOMPLETION REPORT AND LOG																		
4. Reason for filing: ☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)				5. Lease Name or Unit Agreement Name Zeppelin 32 WOLI State Com 6. Well Number: 3H														
NM OIL CONSERVATION ARTESIA DISTRICT OCT 25 2019																		
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER																		
8. Name of Operator Mewbourne Oil Company				9. OGRID 14744														
10. Address of Operator PO Box 5270 Hobbs, NM 88240				11. Pool name or Wildcat Purple Sage; Wolfcamp (Gas) 98220														
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County								
Surface:	M	32	23S	28E		1105	South	285	West	Eddy								
BH:	D	32	23S	28E		1380	South	337	East	Eddy								
13. Date Spudded 06/23/19	14. Date T.D. Reached 07/06/19	15. Date Rig Released 07/08/19		16. Date Completed (Ready to Produce) 09/17/19		17. Elevations (DF and RKB, RT, GR, etc.) 3098' GL												
18. Total Measured Depth of Well 14325'		19. Plug Back Measured Depth 14191'		20. Was Directional Survey Made? Yes		21. Type Electric and Other Logs Run GR												
22. Producing Interval(s), of this completion - Top, Bottom, Name 9780' MD - 14249' MD Wolfcamp																		
23. CASING RECORD (Report all strings set in well)																		
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED													
13 3/8"	54.5	372'	17 1/2"	C 400	0													
9 5/8"	40#	2505'	12 1/4"	C 775	0													
7"	29#	9890'	7" 8.150	H 775	0													
24. LINER RECORD																		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	25. TUBING RECORD													
4 1/2"	9028'	14308'	350	C	SIZE	DEPTH SET	PACKER SET											
0.125"	13.5#	HCP110																
26. Perforation record (interval, size, and number) 9780' - 14176' (22 stages, 0.39" EHD, 990 holes) Sundry*					27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>DEPTH INTERVAL</th> <th>AMOUNT AND KIND MATERIAL USED</th> </tr> <tr> <td>9780' - 14176'</td> <td>11,336,514 gals SW carrying 7,070,960# Local 100 Mesh sand & 3,869,930 40/70 sand.</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </table>						DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED	9780' - 14176'	11,336,514 gals SW carrying 7,070,960# Local 100 Mesh sand & 3,869,930 40/70 sand.				
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED																	
9780' - 14176'	11,336,514 gals SW carrying 7,070,960# Local 100 Mesh sand & 3,869,930 40/70 sand.																	
28. PRODUCTION																		
Date First Production 09/17/19		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Producing												
Date of Test 09/20/19	Hours Tested 24 hrs	Choke Size 36/64"	Prod'n For Test Period	Oil - Bbl 759	Gas - MCF 1302	Water - Bbl. 4637	Gas - Oil Ratio 1715											
Flow Tubing Press. NA	Casing Pressure 1500	Calculated 24-Hour Rate	Oil - Bbl. 759	Gas - MCF 1302	Water - Bbl. 4637	Oil Gravity - API - (Corr.)												
29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold						30. Test Witnessed By Robin Terrell												
31. List Attachments CI04, Deviation Survey, completion sundry, Directional Survey, Gyro log, Final C-102																		
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.						33. Rig Release Date: 7/08/19												
34. If an on-site burial was used at the well, report the exact location of the on-site burial Latitude Longitude NAD83																		
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief Jackie Lathan Signature <i>Jackie Lathan</i> E-mail Address jlathan@mewbourne.com Printed Name Regulatory Title 10/08/19 Date																		

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Bell Canyon 2470'	T. Ojo Alamo	T. Penn A"
T. Salt	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers	T. Devonian	T. Cliff House	T. Leadville
T. Queen	T. Silurian	T. Menefee	T. Madison
T. Grayburg	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres	T. Simpson	T. Mancos	T. McCracken
T. Glorieta	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock	T. Ellenburger	Base Greenhorn	T. Granite
T. Blinebry	T. Gr. Wash	T. Dakota	
T. Tubb	T. Delaware 2431'	T. Morrison	
T. Drinkard	T. Bone Springs 6001'	T. Todilto	
T. Abo	T. Brushy Canyon 4469'	T. Entrada	
T. Wolfcamp 9325	T. Manzanita 3403'	T. Wingate	
T. Penn	T. Castile 858'	T. Chinle	
T. Cisco (Bough C)	T. Ramsey 2206'	T. Permian	

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....
No. 2, from.....to.....

No. 3, from.....to.....
No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....

No. 2, from.....to.....feet.....

No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology