

NM OIL CONSERVATION

ARTESIA DISTRICT

DEC 11 2019

Form C-102

Revised August 1, 2011

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

RECEIVED

Submit one copy to appropriate District Office

☒ AMENDED REPORT

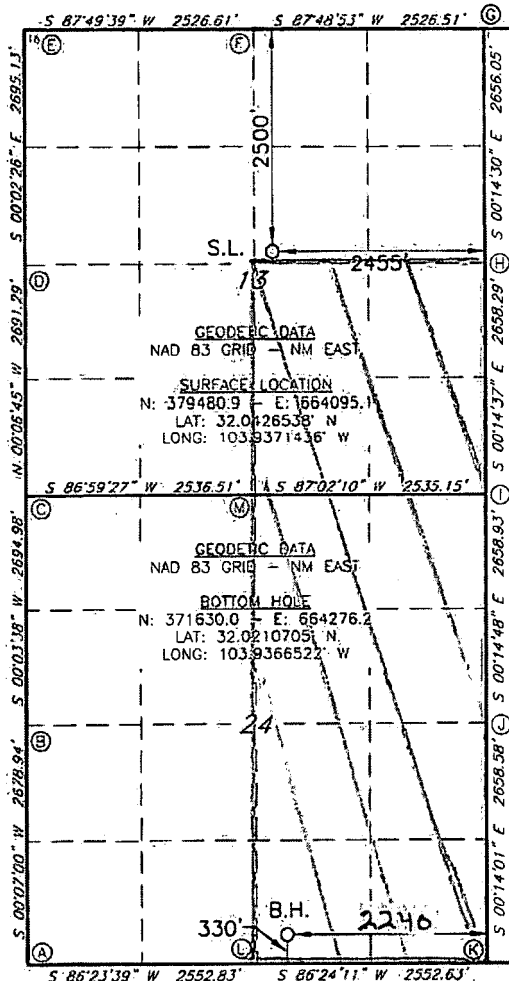
as drilled

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-45329		² Pool Code 98220		³ Pool Name Purple Sage; Wolfcamp (Gas)	
⁴ Property Code 322725		⁵ Property Name FULLER 13/24 WIJO FED COM			⁶ Well Number 2H
⁷ OGRID NO. 14744		⁸ Operator Name MEWBOURNE OIL COMPANY			⁹ Elevation 3001'
¹⁰ Surface Location					
UL or lot no. G	Section 13	Township 26S	Range 29E	Lot Idn	Feet from the 2500
					North/South line NORTH
					Feet From the 2455
					East/West line EAST
					County EDDY
¹¹ Bottom Hole Location If Different From Surface					
UL or lot no. O	Section 24	Township 26S	Range 29E	Lot Idn	Feet from the 330
					North/South line SOUTH
					Feet from the 2240
					East/West line EAST
					County EDDY
¹² Dedicated Acres 480		¹³ Joint or Infill		¹⁴ Consolidation Code	
				¹⁵ Order No.	

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.



CORNER DATA

NAD 83 GRID - NM EAST

A: FOUND BRASS CAP "1940"
N: 371124.3 - E: 661488.2

B: FOUND BRASS CAP "1940"
N: 373802.7 - E: 661493.7

C: FOUND BRASS CAP "1940"
N: 376497.1 - E: 661496.5

D: FOUND BRASS CAP "1940"
N: 379187.8 - E: 661491.3

E: FOUND BRASS CAP "1940"
N: 381882.4 - E: 661489.4

F: FOUND BRASS CAP "1940"
N: 381978.1 - E: 664013.6

G: FOUND BRASS CAP "1940"
N: 382074.4 - E: 666537.7

H: FOUND BRASS CAP "1940"
N: 379419.0 - E: 666548.9

I: FOUND BRASS CAP "1940"
N: 376761.3 - E: 666560.2

J: FOUND BRASS CAP "1940"
N: 374102.9 - E: 666571.7

K: FOUND 5/8" REBAR
N: 371444.9 - E: 666582.5

L: FOUND BRASS CAP "1940"
N: 371284.8 - E: 664035.5

M: FOUND BRASS CAP "1940"
N: 376630.2 - E: 664029.0

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: Jackie Lathan Date: 10/25/19
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.

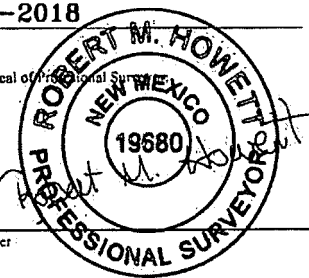
10-11-2018

Date of Survey

Signature and Seal of Professional Surveyor

19680

Certificate Number



RRC-Job No: LS18101136



NM OIL CONSERVATION
ARTESIA DISTRICT

DEC 09 2019

RECEIVED

September 10, 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
Fuller 13 24 W1JO Federal Com #2H
Purple Sage; Wolfcamp
Eddy County, New Mexico
API# 30-015-45329

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>
Jeremy Flores	Original Hole	657ft. to 17,934ft.	04-19-19 to 05-13-19	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\Fuller 13 24 W1JO Fed Com #2H\191058

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



September 10, 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 April 19, 2019, through May 13, 2019 conduct or supervise the taking of a SEDS Original Hole MWD Survey from a depth of 657 feet to a depth of 17,934 feet; that I am authorized and qualified to make this report; that this survey was conducted at the request of Mewbourne Oil Company, for the Fuller 13 24 W1JO Federal Com #2H, well API # 30-015-45329 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


[Wells](#) [Operator Data](#)

OCD Permitting

[Home](#) > [Wells](#) > [Well Details](#)

30-015-45329 FULLER 13 24 W1JO FEDERAL COM #002H [322725]

General Well Information

Operator: [14744] MEWBORNE OIL CO
Status: New **Direction:** Horizontal
Well Type: Gas **Multi-Lateral:** No
Work Type: New **Mineral Owner:** Federal
Surface Owner: Federal
Surface Location: G-13-26S-29E 2600 FNL 2455 FEL
Lat/Long: 32.0428538, -103.9371436 NAD83
GL Elevation: 3001
KB Elevation: **Single/Mult Compl:** Single
DF Elevation: **Potash Waiver:** False

Quick Links

- [General Well Information](#)
- [History](#)
- [Comments](#)
- [Operator](#)
- [Pits](#)
- [Casing](#)
- [Well Completions](#)
- [Financial Assurance](#)
- [Compliance](#)
- [Complaints, Incidents and Seals](#)
- [Orders](#)
- [Production](#)
- [Transporters](#)
- [Points of Disposition](#)

Proposed Formation and/or Notes

Depths

Proposed: 18172 **True Vertical Depth:** 0
Measured Vertical Depth: 0 **Plugback Measured:** 0

Formation Tops

Formation	Top	Producing	Method Obtained
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Event Dates

Initial APD Approval: 09/10/2018
Most Recent APD Approval: 10/15/2018 **Current APD Expiration:** 09/10/2020
APD Cancellation:
APD Extension Approval:
Spud: **Gas Capture Plan Received:** 10/12/2018
Approved Temporary Abandonment: **TA Expiration:**
Shut In: **PNR Expiration:**
Plug and Abandoned Intent Received: **Last MIT/BHT:**
Well Plugged:
Site Release:
Last Inspection:

History

Effective Date	Property	Well Number	Operator	C-101 Work Type	Well Type	Well Status	Apd Cancelled	Plug Date
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Stryker Energy Directional Services
Survey Report Landscape



Company: Mewbourne Oil Company
Project: Eddy County, N.M. Nad (83)
Site: Section 13 24-26S-29E Fuller
Well: Fuller 13 24 W1JO Fed Com #2H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Fuller 13 24 W1JO Fed Com #2H
TVD Reference: 3001 + 28 @ 3029.0usft (Patterson 562)
MD Reference: 3001 + 28 @ 3029.0usft (Patterson 562)
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)	
524.0	0.80	67.97	524.0	1.7	4.5	4.8	69.28	0.00	379,482.61	664,099.62	
657.0	1.50	48.00	656.9	3.2	6.7	7.4	64.22	0.60	379,484.12	664,101.77	
842.0	2.50	53.30	841.8	7.3	11.7	13.8	58.22	0.55	379,488.15	664,106.81	
1,028.0	2.80	50.80	1,027.6	12.6	18.5	22.3	55.82	0.17	379,493.45	664,113.58	
1,214.0	2.50	48.20	1,213.4	18.1	25.0	30.9	54.09	0.17	379,499.03	664,120.13	
1,399.0	2.30	87.90	1,398.3	21.0	31.7	38.0	56.58	0.89	379,501.85	664,126.84	
1,585.0	2.60	104.10	1,584.1	20.1	39.6	44.4	63.11	0.40	379,500.96	664,134.67	
1,771.0	2.50	115.50	1,769.9	17.3	47.3	50.4	69.93	0.28	379,498.19	664,142.42	
1,956.0	2.50	115.90	1,954.8	13.8	54.6	56.3	75.83	0.01	379,494.69	664,149.69	
2,141.0	3.40	111.40	2,139.5	10.0	63.3	64.1	81.01	0.50	379,490.92	664,158.43	
2,327.0	3.80	103.60	2,325.1	6.8	74.5	74.7	84.96	0.34	379,487.46	664,169.55	
2,512.0	3.00	90.70	2,509.8	5.1	85.3	85.4	86.60	0.60	379,485.96	664,180.35	
2,698.0	3.30	97.20	2,695.5	4.3	95.4	95.5	87.40	0.25	379,485.23	664,190.53	
2,883.0	3.30	91.90	2,880.2	3.5	106.0	106.1	88.12	0.16	379,484.39	664,201.14	
3,070.0	2.50	100.20	3,067.0	2.6	115.4	115.5	88.72	0.48	379,483.48	664,210.53	
3,255.0	1.40	111.80	3,251.9	1.0	121.5	121.5	89.51	0.83	379,481.93	664,216.60	
3,441.0	2.10	84.60	3,437.8	0.5	127.0	127.0	89.77	0.57	379,481.41	664,222.10	
3,627.0	2.30	87.70	3,623.7	1.0	134.1	134.1	89.58	0.13	379,481.88	664,229.22	
3,812.0	2.20	83.20	3,808.5	1.5	141.4	141.4	89.37	0.11	379,482.45	664,236.46	
3,997.0	2.10	89.10	3,993.4	2.0	148.3	148.3	89.22	0.13	379,482.92	664,243.37	
4,182.0	1.50	76.70	4,178.3	2.8	154.0	154.0	89.02	0.38	379,483.53	664,249.12	
4,263.0	1.50	75.30	4,259.3	3.1	156.1	156.1	88.85	0.05	379,484.04	664,251.18	
4,426.0	1.40	59.60	4,422.2	4.7	159.9	159.9	88.32	0.25	379,485.59	664,254.96	
4,612.0	3.10	74.00	4,608.1	7.2	166.7	166.8	87.52	0.96	379,488.13	664,261.75	
4,797.0	3.10	73.20	4,792.8	10.1	176.2	176.5	86.73	0.02	379,490.95	664,271.35	
4,983.0	2.60	71.90	4,978.6	12.8	185.1	185.5	86.04	0.27	379,493.72	664,280.17	
5,168.0	3.00	91.30	5,163.3	14.0	193.9	194.4	85.87	0.55	379,494.91	664,289.00	



Stryker Energy Directional Services
Survey Report Landscape



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Project: Eddy County, N.M.: Nad (83)
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MD Reference: 3001 + 28 @ 3029.0usft (Patterson 562)
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 (°)	DLog (°/100usft)	Northing (usft)	Easting (usft)
5,352.0	2.40	91.30	5,347.1	13.8	202.6	203.0	86.10	0.33	379,494.72	664,297.87
5,540.0	1.90	98.70	5,535.0	13.3	209.6	210.0	86.38	0.30	379,494.16	664,304.68
5,726.0	1.90	107.80	5,720.9	11.8	215.6	215.9	86.85	0.18	379,492.75	664,310.67
5,912.0	1.80	111.40	5,906.8	9.8	221.2	221.4	87.45	0.08	379,490.74	664,316.32
6,097.0	2.60	97.90	6,091.7	8.2	228.1	228.2	87.94	0.51	379,489.10	664,323.19
6,283.0	2.50	104.50	6,277.5	6.6	236.2	236.3	88.40	0.17	379,487.51	664,331.29
6,469.0	2.60	87.80	6,463.3	7.2	244.0	244.1	88.31	0.86	379,488.08	664,339.13
6,655.0	2.00	75.00	6,649.2	9.6	251.1	251.3	87.81	0.36	379,490.52	664,346.17
6,841.0	1.20	74.80	6,835.1	11.0	256.1	256.3	87.55	0.43	379,491.87	664,351.18
7,028.0	0.40	67.30	7,022.1	11.7	258.6	258.8	87.40	0.43	379,492.63	664,353.67
7,213.0	0.50	102.50	7,207.1	11.8	260.0	260.2	87.40	0.16	379,492.71	664,355.06
7,400.0	0.40	317.30	7,394.1	12.1	260.3	260.6	87.34	0.46	379,493.01	664,355.41
7,586.0	1.40	299.10	7,580.0	13.7	257.9	258.2	86.96	0.55	379,494.59	664,352.99
7,773.0	2.20	295.20	7,766.9	16.3	252.6	253.2	86.30	0.43	379,497.23	664,347.74
7,959.0	1.70	308.50	7,952.8	19.6	247.3	248.0	85.47	0.36	379,500.47	664,342.35
8,006.0	1.19	308.53	7,999.8	20.3	246.3	247.2	85.29	1.08	379,501.21	664,341.42
B.B. Fuller 13 24 W1JO Fed Com #2H										
8,144.0	0.30	128.00	8,137.8	21.0	245.5	246.4	85.11	1.08	379,501.86	664,340.59
8,330.0	0.70	127.20	8,323.8	20.0	246.8	247.6	85.37	0.22	379,500.89	664,341.87
8,516.0	0.20	125.50	8,509.8	19.1	247.9	248.7	85.59	0.27	379,500.02	664,343.04
8,701.0	0.70	157.10	8,694.8	17.9	248.6	249.3	85.88	0.29	379,498.79	664,343.75
8,887.0	1.50	139.30	8,880.8	15.0	250.7	251.1	86.58	0.46	379,495.90	664,345.78
9,072.0	1.50	165.10	9,065.7	10.8	252.9	253.1	87.55	0.36	379,491.72	664,347.98
9,259.0	2.00	166.30	9,252.6	5.3	254.3	254.3	88.81	0.27	379,486.19	664,349.38
9,445.0	1.90	171.30	9,438.5	-0.9	255.5	255.5	90.21	0.11	379,479.99	664,350.82
9,631.0	1.70	177.40	9,624.4	-6.7	256.1	256.2	91.50	0.15	379,474.18	664,351.21
9,744.0	1.40	186.10	9,737.4	-9.8	256.0	256.2	92.18	0.34	379,471.13	664,351.14



Stryker Energy Directional Services
Survey Report Landscape



Company: Mewbourne Oil Company
Project: Eddy County, N.M. Nad (83)
Site: Section 13 24-26S-29E Fuller
Well: Fuller 13 24 W1JO Fed Com #2H
Wellbore: Original Hole
Design: Original Hole

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MD Reference: 3001 + 28 @ 3029.0usft (Patterson 562)
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)
9,774.0	1.90	182.90	9,767.4	-10.6	256.0	256.2	92.38	1.69	379,470.27	664,351.07
9,805.0	3.90	170.10	9,798.3	-12.2	256.1	256.4	92.72	6.74	379,468.72	664,351.23
9,836.0	5.10	159.00	9,829.2	-14.5	256.8	257.2	93.23	4.77	379,466.40	664,351.90
9,868.0	7.60	162.50	9,861.0	-17.9	257.9	258.6	93.96	7.90	379,463.05	664,353.05
9,898.0	9.80	164.70	9,890.7	-22.2	259.2	260.2	94.90	7.42	379,458.89	664,354.32
9,929.0	13.00	165.50	9,921.1	-28.1	260.8	262.3	96.16	10.33	379,452.77	664,355.89
9,961.0	15.10	163.30	9,952.1	-35.6	262.9	265.3	97.71	6.77	379,445.29	664,357.99
9,992.0	17.80	163.20	9,981.8	-44.0	265.4	269.0	99.41	8.71	379,436.89	664,360.52
10,023.0	21.40	164.70	10,011.0	-54.0	268.3	273.7	101.38	11.72	379,426.89	664,363.38
10,054.0	25.60	167.40	10,039.5	-66.0	271.2	279.2	103.68	13.98	379,414.90	664,366.34
10,085.0	29.80	171.00	10,068.9	-80.2	273.9	285.4	106.31	14.58	379,400.75	664,369.00
10,116.0	31.50	171.10	10,093.6	-95.8	276.4	292.5	109.11	5.49	379,385.14	664,371.46
10,147.0	34.60	172.40	10,119.5	-112.5	278.8	300.6	111.98	10.26	379,368.41	664,373.88
10,178.0	38.50	171.60	10,144.4	-130.8	281.4	310.3	114.93	12.87	379,350.13	664,376.45
10,209.0	42.90	171.90	10,167.9	-150.8	284.3	321.8	117.94	14.21	379,330.13	664,379.35
10,240.0	48.40	172.90	10,189.6	-172.7	287.2	335.1	121.03	17.89	379,308.16	664,382.27
10,272.0	50.50	175.50	10,210.4	-196.9	289.6	350.2	124.21	9.01	379,283.98	664,384.72
10,303.0	52.00	177.10	10,229.8	-221.0	291.2	365.6	127.20	6.29	379,259.85	664,386.28
10,377.0	59.20	180.00	10,271.6	-282.0	292.7	406.4	133.94	10.25	379,198.86	664,387.75
10,408.0	61.80	180.60	10,286.9	-309.0	292.5	425.5	136.57	8.55	379,171.88	664,387.61
10,439.0	65.00	180.60	10,300.7	-336.7	292.2	445.8	139.05	10.32	379,144.17	664,387.32
10,470.0	67.30	180.70	10,313.3	-365.1	291.9	467.4	141.38	7.43	379,115.82	664,387.00
10,501.0	70.40	182.10	10,324.5	-394.0	291.2	489.9	143.53	10.85	379,086.92	664,386.29
10,532.0	74.30	181.90	10,333.9	-423.5	290.2	513.4	145.58	12.60	379,057.41	664,385.26
10,563.0	77.80	181.40	10,341.3	-453.6	289.3	538.0	147.47	11.40	379,027.34	664,384.39
10,594.0	78.90	181.30	10,347.6	-483.9	288.6	563.4	149.19	3.56	378,996.99	664,383.68
10,625.0	78.80	181.40	10,353.6	-514.3	287.9	589.4	150.76	0.45	378,966.58	664,382.96



Stryker Energy Directional Services
Survey Report Landscape



Company: Mewbourne Oil Company
Project: Eddy County, N.M. Nad (83)
Site: Section 13 24-26S-29E Fuller
Well: Fuller 13 24 W1JO Fed Com #2H
Wellbore: Original Hole
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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)
10,656.0	79.90	180.80	10,359.3	-544.8	287.3	815.9	152.20	4.03	378,936.12	664,382.38
10,674.8	82.63	179.82	10,362.2	-563.4	287.2	632.4	152.99	15.39	378,917.52	664,382.28
LP Fuller 13 24 W1JO Fed Com #2H										
10,687.0	84.40	179.20	10,363.5	-575.5	287.3	643.2	153.47	15.39	378,905.42	664,382.38
10,718.0	90.70	178.20	10,364.9	-606.4	288.0	671.3	154.60	20.58	378,874.47	664,383.08
10,781.0	90.50	179.90	10,364.2	-669.4	289.0	729.1	156.65	2.72	378,811.49	664,384.13
10,874.0	88.30	181.20	10,365.2	-762.4	288.1	815.0	159.30	2.75	378,718.50	664,383.23
10,968.0	87.90	180.70	10,368.3	-856.3	288.6	903.0	161.50	0.68	378,624.57	664,381.88
11,061.0	88.90	181.00	10,370.9	-949.3	285.2	991.2	163.28	1.12	378,531.62	664,380.30
11,153.0	90.50	182.10	10,371.4	-1,041.2	282.7	1,078.9	164.81	2.11	378,439.65	664,377.81
11,246.0	90.50	182.90	10,370.6	-1,134.2	278.7	1,167.9	166.20	0.86	378,346.75	664,373.75
11,339.0	90.40	183.50	10,369.8	-1,227.0	273.5	1,257.1	167.44	0.65	378,253.90	664,368.58
11,432.0	92.30	185.00	10,367.6	-1,319.7	266.6	1,346.4	168.58	2.60	378,161.18	664,361.67
11,526.0	88.70	182.90	10,366.8	-1,413.5	260.1	1,437.2	169.57	4.43	378,067.43	664,355.20
11,620.0	88.90	184.20	10,368.8	-1,507.3	254.3	1,528.8	170.42	1.40	377,973.63	664,349.38
11,714.0	90.90	183.60	10,369.0	-1,601.0	247.9	1,620.1	171.20	2.22	377,879.86	664,342.99
11,808.0	86.40	182.10	10,371.2	-1,694.9	243.2	1,712.2	171.83	5.05	377,786.03	664,338.32
11,900.0	90.00	182.30	10,374.1	-1,788.7	239.7	1,802.7	172.36	3.92	377,694.16	664,334.79
11,992.0	93.10	182.10	10,371.6	-1,878.6	236.2	1,893.4	172.84	3.38	377,602.27	664,331.26
12,086.0	90.50	178.10	10,368.6	-1,972.6	236.0	1,986.8	173.18	5.07	377,508.34	664,331.09
12,179.0	92.60	178.60	10,366.1	-2,065.5	238.7	2,079.2	173.41	2.32	377,415.42	664,333.77
12,273.0	92.20	178.70	10,362.2	-2,159.4	240.9	2,172.8	173.63	0.44	377,321.53	664,335.98
12,366.0	91.10	178.00	10,359.5	-2,252.3	243.6	2,265.4	173.83	1.40	377,228.61	664,338.66
12,460.0	92.50	180.40	10,356.5	-2,346.2	244.9	2,359.0	174.04	2.95	377,134.67	664,339.97
12,554.0	82.90	175.60	10,360.3	-2,440.0	248.1	2,452.5	174.19	11.41	377,040.94	664,343.23
12,587.0	82.80	175.40	10,364.4	-2,472.6	250.7	2,485.3	174.21	0.67	377,008.30	664,345.80
12,619.0	84.10	174.90	10,368.1	-2,504.3	253.4	2,517.1	174.22	4.35	376,976.62	664,348.49



Stryker Energy Directional Services
Survey Report Landscape



Company: Mewbourne Oil Company
Project: Eddy County, N.M. Nad (83)
Site: Section 13 24-26S-29E Fuller
Well: Fuller 13 24 W1JO Fed Com #2H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Fuller 13 24 W1JO Fed Com #2H
TVD Reference: 3001 + 28 @ 3029.0usft (Patterson 562)
MD Reference: 3001 + 28 @ 3029.0usft (Patterson 562)
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)
12,850.0	84.00	174.30	10,371.3	-2,535.0	256.3	2,547.9	174.23	1.95	376,945.93	664,351.39
12,882.0	83.70	173.30	10,374.7	-2,566.6	259.7	2,579.7	174.22	3.25	376,914.30	664,354.83
12,713.0	84.30	172.70	10,377.9	-2,597.2	263.5	2,610.5	174.21	2.73	376,883.70	664,358.58
12,743.0	85.00	172.20	10,380.7	-2,626.8	267.4	2,640.4	174.19	2.88	376,854.09	664,362.51
12,773.0	86.40	170.70	10,383.0	-2,656.4	271.9	2,670.3	174.16	6.83	376,824.51	664,366.96
12,804.0	86.70	169.70	10,384.9	-2,686.9	277.1	2,701.1	174.11	3.36	376,794.01	664,372.22
12,835.0	88.00	168.20	10,386.3	-2,717.3	283.1	2,732.0	174.05	6.40	376,763.62	664,378.16
12,898.0	89.50	164.90	10,387.7	-2,778.5	297.7	2,794.4	173.88	5.75	376,702.38	664,392.81
12,929.0	91.10	164.10	10,387.5	-2,808.4	306.0	2,825.0	173.78	5.77	376,672.50	664,401.09
12,960.0	93.00	164.30	10,386.4	-2,838.2	314.4	2,855.8	173.68	6.18	376,642.70	664,409.53
12,991.0	94.50	165.10	10,384.4	-2,868.0	322.6	2,886.1	173.58	5.48	376,612.86	664,417.69
13,022.0	95.20	164.70	10,381.7	-2,897.9	330.6	2,916.7	173.49	2.80	376,583.04	664,425.73
13,053.0	96.00	164.60	10,378.7	-2,927.6	338.8	2,947.2	173.40	2.60	376,553.29	664,433.90
13,084.0	97.30	165.00	10,375.1	-2,957.3	346.9	2,977.6	173.31	4.39	376,523.57	664,441.97
13,116.0	98.30	166.20	10,370.8	-2,988.0	354.8	3,009.0	173.23	4.85	376,492.87	664,449.86
13,143.0	99.20	168.00	10,366.7	-3,014.0	360.7	3,035.6	173.18	7.38	376,468.86	664,455.82
13,174.0	98.50	168.90	10,361.9	-3,044.1	366.8	3,066.1	173.13	3.65	376,436.85	664,461.95
13,205.0	95.90	170.00	10,359.0	-3,074.3	372.5	3,096.8	173.09	9.10	376,406.61	664,467.58
13,235.0	94.20	170.80	10,355.4	-3,103.8	377.5	3,126.6	173.07	6.28	376,377.15	664,472.56
13,265.0	92.00	172.20	10,353.8	-3,133.4	381.9	3,156.6	173.05	8.69	376,347.52	664,476.99
13,296.0	89.40	176.10	10,353.4	-3,164.2	385.0	3,187.5	173.06	15.12	376,316.70	664,480.15
13,327.0	89.10	179.90	10,353.8	-3,195.2	386.1	3,218.4	173.11	12.30	376,285.72	664,481.23
13,357.0	88.00	181.40	10,354.6	-3,225.2	385.8	3,248.2	173.18	6.20	376,255.74	664,480.89
13,416.0	87.30	179.90	10,357.0	-3,284.1	385.1	3,308.6	173.31	2.80	376,196.79	664,480.22
13,511.0	92.10	184.90	10,357.5	-3,379.0	381.1	3,400.4	173.56	7.29	376,101.94	664,476.24
13,604.0	91.90	184.50	10,354.2	-3,471.6	373.5	3,491.6	173.86	0.48	376,009.30	664,468.63
13,696.0	94.40	187.70	10,349.2	-3,562.9	363.8	3,581.4	174.17	4.41	375,917.98	664,458.87



Stryker Energy Directional Services
Survey Report Landscape



Company: Mewbourne Oil Company
Project: Eddy County, N.M. Nad (83)
Site: Section 13 24-26S-29E Fuller
Well: Fuller 13 24 W1JO Fed Com #2H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Fuller 13 24 W1JO Fed Com #2H
TVD Reference: 3001 + 28 @ 3029.0usft (Patterson 562)
MD Reference: 3001 + 28 @ 3028.0usft (Patterson 562)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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)
13,791.0	92.00	185.40	10,343.9	-3,657.1	353.0	3,674.1	174.49	3.50	375,823.76	664,448.06
13,884.0	91.40	188.00	10,341.1	-3,749.5	342.1	3,765.0	174.79	2.87	375,731.45	664,437.21
13,976.0	87.90	188.50	10,341.7	-3,840.5	328.9	3,854.5	175.10	3.84	375,640.42	664,424.01
14,069.0	88.20	189.40	10,344.8	-3,932.3	314.5	3,944.9	175.43	1.02	375,548.60	664,409.55
14,162.0	86.00	188.70	10,349.5	-4,024.0	299.8	4,035.2	175.74	2.48	375,456.88	664,394.94
14,208.0	83.80	187.60	10,353.6	-4,069.4	293.3	4,079.9	175.88	5.34	375,411.53	664,388.45
14,255.0	84.30	187.60	10,358.5	-4,115.7	287.2	4,125.7	176.01	1.06	375,365.20	664,382.26
14,286.0	85.60	186.50	10,361.2	-4,146.3	283.4	4,156.0	176.09	5.48	375,334.55	664,378.48
14,317.0	86.80	185.70	10,363.3	-4,177.1	280.1	4,186.5	176.16	4.65	375,303.79	664,375.19
14,348.0	91.50	186.10	10,363.7	-4,207.9	276.9	4,217.0	176.24	15.22	375,272.97	664,372.00
14,379.0	91.70	187.10	10,362.9	-4,238.7	273.3	4,247.5	176.31	3.29	375,242.19	664,368.44
14,441.0	90.90	186.10	10,361.5	-4,300.3	268.2	4,308.5	176.46	2.07	375,180.62	664,361.32
14,472.0	90.80	184.60	10,361.0	-4,331.1	263.3	4,339.1	176.52	4.85	375,149.76	664,358.43
14,503.0	89.40	183.60	10,361.0	-4,362.1	261.1	4,369.9	176.57	5.55	375,118.84	664,356.21
14,534.0	90.00	184.20	10,361.1	-4,393.0	259.0	4,400.6	176.63	2.74	375,087.91	664,354.10
14,566.0	90.00	183.20	10,361.1	-4,424.9	256.9	4,432.4	176.68	3.12	375,055.98	664,352.04
14,597.0	89.50	182.00	10,361.2	-4,455.9	255.5	4,463.2	176.72	4.19	375,025.01	664,350.63
14,627.0	89.20	181.80	10,361.6	-4,485.9	254.5	4,493.1	176.75	1.20	374,995.03	664,349.64
14,659.0	90.90	181.90	10,361.6	-4,517.9	253.5	4,525.0	176.79	5.32	374,963.05	664,348.60
14,690.0	91.70	181.10	10,360.9	-4,548.8	252.7	4,555.8	176.82	3.65	374,932.06	664,347.79
14,721.0	91.80	181.40	10,359.9	-4,579.8	252.0	4,586.7	176.85	1.02	374,901.09	664,347.12
14,752.0	91.50	181.30	10,359.0	-4,610.8	251.3	4,617.6	176.88	1.02	374,870.11	664,346.39
14,813.0	91.80	181.50	10,357.3	-4,671.7	249.8	4,678.4	176.94	0.59	374,809.15	664,344.90
14,906.0	91.70	181.70	10,354.4	-4,764.7	247.2	4,771.1	177.03	0.24	374,718.23	664,342.30
15,000.0	89.30	180.60	10,353.6	-4,858.6	245.3	4,864.8	177.11	2.81	374,622.28	664,340.42
15,092.0	90.10	181.00	10,354.1	-4,950.6	244.0	4,956.6	177.18	0.97	374,530.27	664,339.13
15,186.0	90.90	181.30	10,353.3	-5,044.6	242.1	5,050.4	177.25	0.91	374,436.30	664,337.24



Stryker Energy Directional Services
Survey Report Landscape



Company: Mewbourne Oil Company
Project: Eddy County, N.M. Nad (83)
Site: Section 13 24-28S-29E Fuller
Well: Fuller 13 24 W1JO Fed Com #2H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Fuller 13 24 W1JO Fed Com #2H
TVD Reference: 3001 + 28 @ 3029.0usft (Patterson 562)
MD Reference: 3001 + 28 @ 3029.0usft (Patterson 562)
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)
15,279.0	89.50	179.20	10,352.9	-5,137.8	241.7	5,143.3	177.31	2.71	374,343.31	664,336.84
15,372.0	89.40	179.60	10,353.8	-5,230.6	242.7	5,236.2	177.34	0.44	374,250.32	664,337.81
15,465.0	89.30	180.00	10,354.9	-5,323.6	243.0	5,329.1	177.39	0.44	374,157.32	664,338.14
15,558.0	90.20	179.50	10,355.3	-5,416.6	243.4	5,422.0	177.43	1.11	374,064.33	664,338.54
15,651.0	90.10	179.40	10,355.0	-5,509.6	244.3	5,515.0	177.46	0.15	373,971.33	664,339.44
15,745.0	89.70	179.70	10,355.2	-5,603.6	245.1	5,608.9	177.50	0.53	373,877.33	664,340.17
15,839.0	84.80	177.20	10,359.9	-5,697.4	247.6	5,702.8	177.51	6.04	373,783.52	664,342.71
15,870.0	86.90	177.10	10,362.2	-5,728.3	249.1	5,733.7	177.51	7.43	373,752.65	664,344.24
15,901.0	89.80	177.50	10,363.1	-5,759.2	250.6	5,764.7	177.51	8.44	373,721.70	664,345.70
15,932.0	91.60	177.30	10,362.7	-5,790.2	252.0	5,795.6	177.51	5.84	373,690.73	664,347.11
15,963.0	92.00	177.80	10,361.7	-5,821.1	253.3	5,826.6	177.51	2.06	373,659.78	664,348.43
16,026.0	92.20	177.80	10,359.4	-5,884.0	255.8	5,889.6	177.51	0.32	373,596.87	664,350.85
16,119.0	91.60	177.20	10,356.3	-5,976.9	259.8	5,982.5	177.51	0.91	373,504.01	664,354.91
16,213.0	90.90	177.30	10,354.3	-6,070.8	264.3	6,076.5	177.51	0.75	373,410.14	664,359.41
16,306.0	90.90	177.20	10,352.6	-6,163.6	268.8	6,169.5	177.50	0.11	373,317.26	664,363.88
16,399.0	90.70	177.40	10,351.5	-6,256.5	273.2	6,262.5	177.50	0.30	373,224.37	664,368.26
16,492.0	87.10	177.10	10,353.3	-6,349.4	277.6	6,355.5	177.50	3.88	373,131.51	664,372.72
16,523.0	90.70	178.30	10,353.9	-6,380.4	278.9	6,386.4	177.50	12.24	373,100.54	664,373.96
16,585.0	93.50	179.70	10,351.6	-6,442.3	279.9	6,448.4	177.51	5.05	373,038.60	664,375.04
16,679.0	93.40	180.10	10,346.0	-6,536.1	280.1	6,542.1	177.55	0.44	372,944.77	664,375.21
16,773.0	93.40	180.30	10,340.4	-6,630.0	279.8	6,635.9	177.58	0.21	372,850.94	664,374.88
16,866.0	91.90	181.80	10,336.1	-6,722.8	278.2	6,728.6	177.63	2.13	372,758.06	664,373.34
16,959.0	91.10	181.30	10,333.7	-6,815.8	275.9	6,821.4	177.68	0.92	372,685.12	664,370.89
17,052.0	89.10	181.40	10,333.5	-6,908.7	273.7	6,914.2	177.73	2.15	372,572.15	664,368.79
17,146.0	89.80	181.60	10,334.4	-7,002.7	271.2	7,008.0	177.78	0.77	372,478.19	664,366.33
17,239.0	88.80	181.20	10,335.5	-7,095.7	269.0	7,100.8	177.83	1.18	372,385.22	664,364.06
17,332.0	88.80	180.90	10,337.5	-7,188.6	267.3	7,193.6	177.87	0.32	372,292.26	664,362.36



Stryker Energy Directional Services
Survey Report Landscape



Company: Mewbourne Oil Company
Project: Eddy County, N.M. Nad (83)
Site: Section 13 24-26S-29E Fuller
Well: Fuller 13 24 W1JO Fed Com #2H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Fuller 13 24 W1JO Fed Com #2H
TVD Reference: 3001 + 28 @ 3029.0usft (Patterson 562)
MD Reference: 3001 + 28 @ 3029.0usft (Patterson 562)
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 (°)	DLog (°/100usft)	Northing (usft)	Easting (usft)
17,425.0	88.40	180.80	10,339.8	-7,281.8	265.9	7,286.5	177.91	0.44	372,199.30	664,360.98
17,519.0	87.30	180.60	10,343.3	-7,375.5	264.7	7,380.3	177.94	1.19	372,105.37	664,359.83
17,612.0	90.10	182.40	10,345.4	-7,488.5	262.3	7,473.1	177.99	3.58	372,012.44	664,357.40
17,706.0	90.50	182.80	10,344.9	-7,562.4	258.0	7,566.8	178.05	0.80	371,918.54	664,353.13
17,799.0	89.80	182.40	10,344.7	-7,655.3	253.8	7,659.5	178.10	0.87	371,825.64	664,348.91
17,892.0	90.10	182.40	10,344.7	-7,748.2	249.9	7,752.2	178.15	0.32	371,732.72	664,345.02
17,934.0	90.30	182.50	10,344.6	-7,790.1	248.1	7,794.1	178.18	0.53	371,690.76	664,343.22
17,985.0	90.30	182.50	10,344.3	-7,841.1	245.9	7,844.9	178.20	0.00	371,639.81	664,341.00

PBHL Fuller 13 24 W1JO Fed Com #2H

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
17,985.0	10,344.3	-7,841.1	245.9	17985.0' Projected to Bit

Checked By: _____

Approved By: _____

Date: _____



COMPANY: Mawbourn Oil Company
WELL: Fuller 13 24 W1JO Fed Com #2H
COUNTY: Eddy County, N.M. Nad (83)
DATUM: North American Datum 1983
RIG: Patterson 562

STRYKER
DIRECTIONAL

OFFICE: 936.582.7294

GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 6.72°

GEODETIC ZONE: New Mexico Eastern Zone										
3001 + 28 @ 3029.0usft (Patterson 682)										
GROUND ELEVATION: 3001.0										
	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot			
	0.0	0.0	379480.90	664095.10	32° 2' 33.654" N	103° 56' 13.717" W				
PLAN SECTIONS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Diag	TFace	VSecl	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1250.0	0.00	0.00	1250.0	0.0	0.0	0.00	0.00	0.0	
3	1398.6	2.20	88.16	1398.6	0.1	2.8	1.50	88.16	0.0	
4	7888.2	2.20	88.16	7853.4	8.1	250.7	0.00	0.00	0.4	
5	8004.6	0.00	0.00	8000.0	8.2	253.5	1.50	180.00	0.4	B.B. Fuller 13 24 W1JO Fed Com #2H
6	9802.8	0.00	0.00	9798.0	8.2	253.5	0.00	0.00	0.4	
7	10705.3	90.25	179.92	10371.0	-567.3	254.3	10.00	179.92	575.6	
8	17983.2	90.25	179.92	10339.0	-7845.1	264.6	0.00	0.00	7849.5	PBHL Fuller 13 24 W1JO Fed Com #2H

SHL: 2500 FNL; 2455' FEL
Section 13-26S-29E
PBHL: 330' FSL; 2222' FEL
Section 24-26S-29E

