

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



08/18/2020

Operator Notice Regarding

C-104 Denial and Request for Information

30-015-46307 ARMSTRONG 26 23 W1EE FEDERAL COM #001H

OCD is providing notice to operators that it will deny your C-104 – *Request for Allowable and Authorization to Transport* if it fails to provide complete and accurate information, including:

Test Allowable, New Well and Recompleted Well

*Please review/amend attachment(s):
Mark C-104 NW, 'AMENDED REPORT'
Amend/Verify highlighted areas.*

- ☐ 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 _____)

Per NMAC Rule: 19.15.15.11 - B. Order for Non-Standard Location is needed for this well.

- ☐ 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)
- ☐ C-105 Completion Report (or BLM equivalent)
- ☐ All Logs Run on Well

The sale or transport of product without an approved C-104 violates the Oil and Gas Act and the implementing rules, including 19.15.7.15 and 19.15.16.19 NMAC. OCD determines that your C-104 is incomplete or inaccurate, it will give you notice to resubmit your C-104 within 30 days. Failure to comply with this notice may result in enforcement action.

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

Once Complete, re-submit through e docs asap. Thank you.

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

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 / 04/23/2020
⁴ API Number 30 – 015-46307	⁵ Pool Name PURPLE SAGE-WOLFCAMP GAS	⁶ Pool Code 98220
⁷ Property Code 316248	⁸ Property Name Armstrong 26/23 W1EE Fed Com	⁹ Well Number 1H

II. 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
E	26	25S	31E		2500	North	900	West	Eddy

¹¹ Bottom Hole Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	23	25S	31E		1409	North	838	West	Eddy
¹² Lse Code S	¹³ Producing Method Code Flowing	¹⁴ Gas Connection Date 04/23/2020	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
195739	Plains Pipeline Oil 5500 Ming Ave, Suite 300 Bakersfield, CA 93309	O
314437	Delaware Basin Midstream, LLC PO Box 1330 Houston, TX 77251-1330	G

IV. Well Completion Data We are asking for an exemption from tubing at this time

²¹ Spud Date 10/31/19	²² Ready Date 04/23/20	²³ TD 18355'	²⁴ PBDT 18305'	²⁵ Perforations 12176' - 18297'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 ½"	13 ¾" 54.5# J55	975'	850		
12 ¼"	9 ⅝" 40# HCL80	4258'	1075		
8 ¾"	7" 29# HCP110	12315'	925		
6 ⅝"	4 ½" 13.5# HCP110	11466' – 18354' Liner	425		

V. Well Test Data

³¹ Date New Oil 04/23/20	³² Gas Delivery Date 04/23/20	³³ Test Date 04/27/20	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure 300	³⁶ Csg. Pressure 3150
³⁷ Choke Size NA	³⁸ Oil 435	³⁹ Water 2513	⁴⁰ Gas 2378		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: 		
Title: Regulatory			Title:		
E-mail Address: jlathan@mewbourne.com			Approval Date:		
Date: 05/01/20		Phone: 575-393-5905	Refer to page 1 of these attachments		

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

EMNRD-OCD ARTESIA

REC'D: 8/05/2020

Form C-102

Revised August 1, 2011

Submit one copy to appropriate
District Office

☒ AMENDED REPORT

As Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

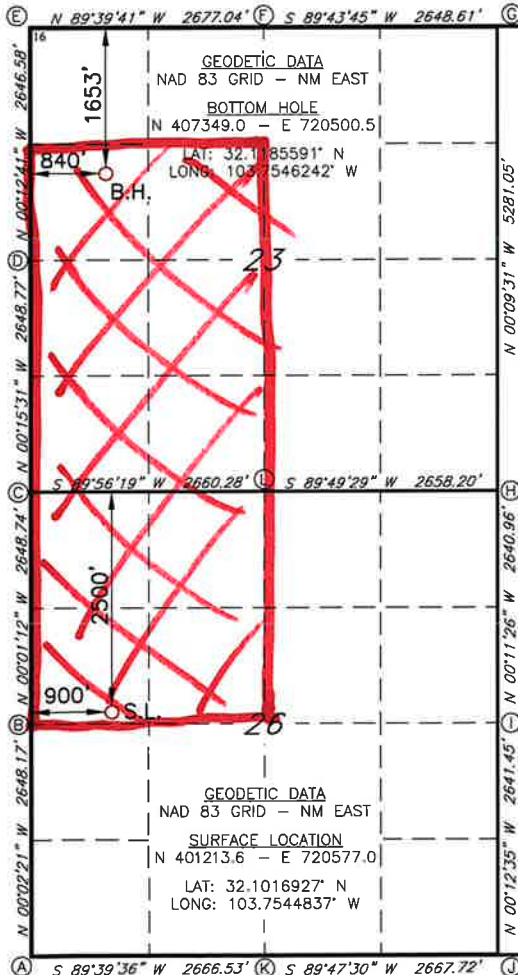
¹ API Number 30-015-46307		² Pool Code 98220		³ Pool Name Purple Sage; Wolfcamp (Gas)	
⁴ Property Code 327148		⁵ Property Name ARMSTRONG 26/23 WIEE FED COM			⁶ Well Number 1H
⁷ OGRID NO. 14744		⁸ Operator Name MEWBOURNE OIL COMPANY			⁹ Elevation 3329'

¹⁰ Surface Location									
UL or lot no. E	Section 26	Township 25S	Range 31E	Lot Idn	Feet from the 2500	North/South line NORTH	Feet From the 900	East/West line WEST	County EDDY

¹¹ Bottom Hole Location If Different From Surface									
UL or lot no. E	Section 23	Township 25S	Range 31E	Lot Idn	Feet from the 1400	North/South line NORTH	Feet from the 939	East/West line WEST	County EDDY

¹² Dedicated Acres 400	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. NSL required
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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.



CORNER DATA
NAD 83 GRID - NM EAST

A: FOUND BRASS CAP "1939"
N 398416.8 - E 719679.1

B: FOUND BRASS CAP "1939"
N 401064.4 - E 719677.2

C: CALCULATED CORNER
N 403712.6 - E 719676.3

D: FOUND BRASS CAP "1939"
N 406360.7 - E 719664.4

E: CALCULATED CORNER
N 409006.7 - E 719654.6

F: FOUND BRASS CAP "1939"
N 408990.9 - E 722331.0

G: FOUND 2" PIPE
N 409003.4 - E 724979.0

H: FOUND BRASS CAP "1939"
N 403723.6 - E 724993.6

I: FOUND BRASS CAP "1939"
N 401083.2 - E 725002.4

J: FOUND BRASS CAP "1939"
N 398442.3 - E 725012.1

K: FOUND BRASS CAP "1939"
N 398432.6 - E 722344.9

L: FOUND BRASS CAP "1939"
N 403715.4 - E 722336.0

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 04/04/20
Printed Name Jackie Lathan

E-mail Address

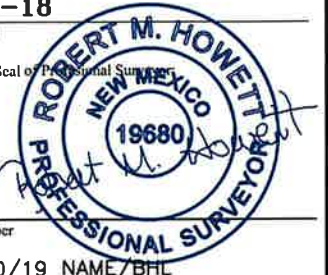
¹⁸ SURVEYOR CERTIFICATION

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.

12-11-18

Date of Survey

Signature and Seal of Professional Surveyor



19680

Certificate Number

REV. 9/10/19 NAME/BHL

LS18121327R

NSL required

RWP

8/7/2020

Intent ☐ As Drilled ☒

API # 30-015-46307		
Operator Name: Mewbourne Oil Company	Property Name: Armstrong 26/23 W1EE Fed Com	Well Number #1H

Kick Off Point (KOP)

UL E	Section 26	Township 25S	Range 31E	Lot	Feet 2620	From N/S N	Feet 902	From E/W W	County Fddy
Latitude 32.1013639					Longitude -103.7544786				NAD 83

First Take Point (FTP)

UL E	Section 26	Township 25S	Range 31E	Lot	Feet 2282	From N/S N	Feet 797	From E/W W	County Fddy
Latitude 32.1022928					Longitude -103.7544906				NAD 83

Last Take Point (LTP)

UL E	Section 23	Township 25S	Range 31E	Lot	Feet 1517	From N/S N	Feet 738	From E/W W	County Fddy
Latitude 32.1189506					Longitude -103.7546167				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



COMPANY: Mewbourne Oil Company
WELL: Armstrong 26/23 W1EE Fed Com #1H
COUNTY: Eddy County, N.M. Nad (83)
DATUM: North American Datum 1983
RIG: Patterson 231

STRYKER
DIRECTIONAL
OFFICE: 936.582.7296

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

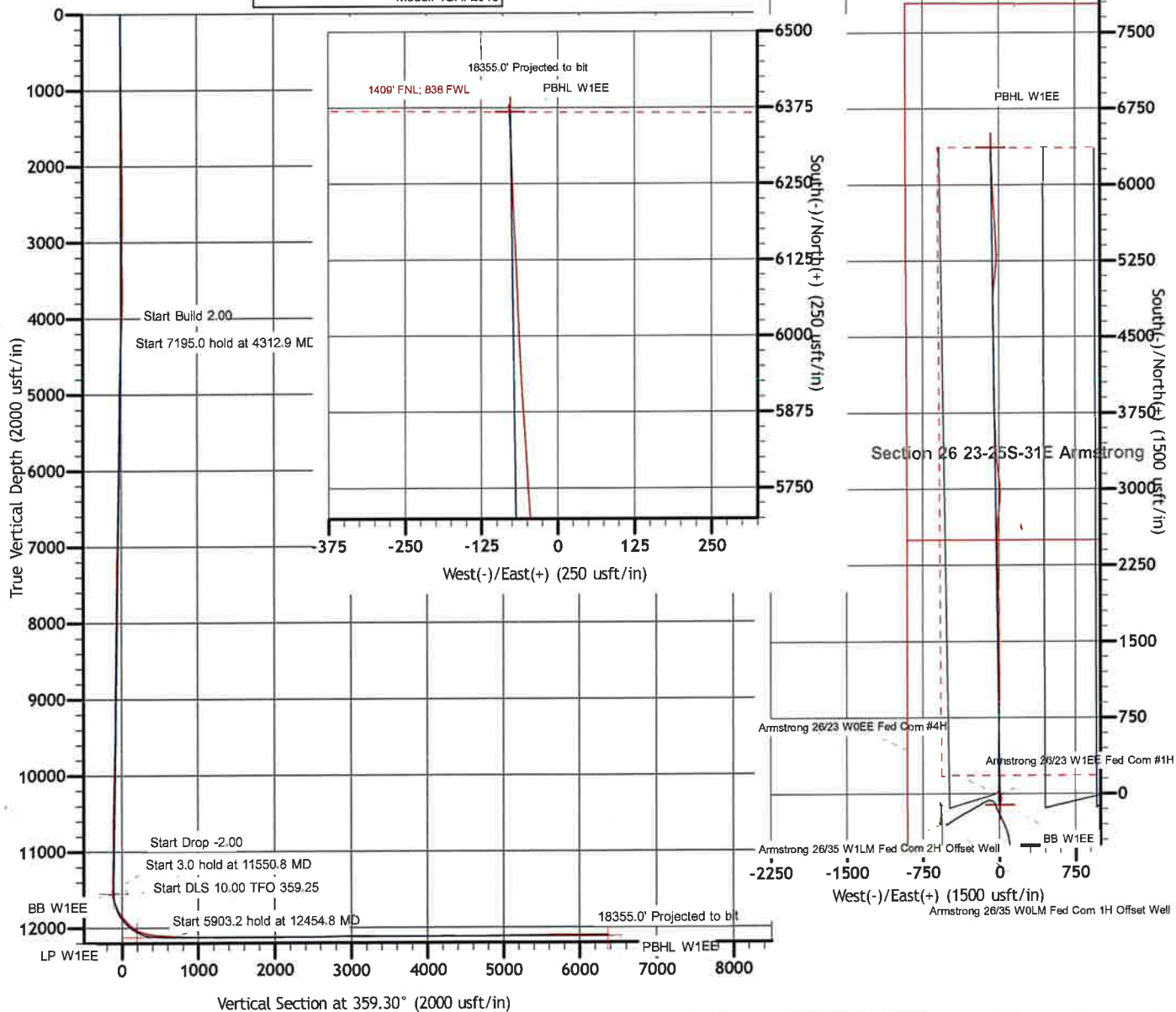
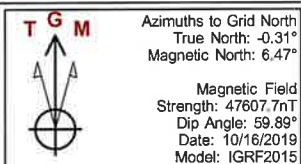
GEODETTIC ZONE: New Mexico Eastern Zone
3329+27 @ 3356.0usft (Patterson 231)
GROUND ELEVATION: 3329.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	401213.60	720577.00	32° 6' 6.094 N	103° 45' 16.141 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	4270.0	0.00	0.00	4270.0	0.0	0.0	0.00	0.00	0.0	
3	4312.9	0.86	175.82	4312.9	-0.3	0.0	2.00	175.82	-0.3	
4	11507.9	0.86	175.82	11507.1	-107.8	7.9	0.00	0.00	-107.9	
5	11550.8	0.00	0.00	11550.0	-108.1	7.9	2.00	180.00	-108.2	BB W1EE
6	11553.8	0.00	0.00	11553.0	-108.1	7.9	0.00	0.00	-108.2	
7	12454.8	90.10	359.25	12126.0	465.8	0.3	10.00	359.25	465.7	
8	18358.0	90.10	359.25	12116.0	6368.5	-77.4	0.00	0.00	6369.0	PBHL W1EE

SHL: 2500' FNL; 900' FWL
Section 26-25S-31E
PBHL: 1420' FNL; 840' FWL
Section 23-25S-31E





Mewbourne Oil Company

Eddy County, N.M. Nad (83)

Section 26 23-25S-31E Armstrong

Armstrong 26/23 W1EE Fed Com #1H

Original Hole

Design: As Drilled

Standard Survey Report

22 November, 2019





Stryker Energy Directional Services

Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Armstrong 26/23 W1EE Fed Com #1H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	3329+27 @ 3356.0usft (Patterson 231)
Site:	Section 26 23-25S-31E Armstrong	MD Reference:	3329+27 @ 3356.0usft (Patterson 231)
Well:	Armstrong 26/23 W1EE Fed Com #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	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	Section 26 23-25S-31E Armstrong			
Site Position:		Northing:	401,213.60 usft	Latitude: 32° 6' 6.094 N
From:	Map	Easting:	720,577.00 usft	Longitude: 103° 45' 16.141 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.31 °

Well	Armstrong 26/23 W1EE Fed Com #1H			
Well Position	+N/-S	0.0 usft	Northing:	401,213.60 usft
	+E/-W	0.0 usft	Easting:	720,577.00 usft
Position Uncertainty	0.0 usft		Wellhead Elevation:	27.0 usft
			Ground Level:	3,329.0 usft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	10/16/19	6.78	59.89	47,607.74910696

Design	As Drilled			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	359.29

Survey Program	Date	11/22/19		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.0	917.0	Gryo Surveys (Original Hole)	SRG-GYRO-MS	surface readout gyro multishot
1,021.0	18,355.0	Stryker Surveys (Original Hole)	MWD	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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.49	62.82	100.0	0.2	0.4	0.2	0.49	0.49	0.00
200.0	0.48	29.03	200.0	0.8	1.0	0.7	0.28	-0.01	-33.79
300.0	0.44	58.82	300.0	1.3	1.5	1.3	0.24	-0.04	29.79
400.0	0.07	166.97	400.0	1.5	1.8	1.4	0.47	-0.37	108.15
500.0	0.31	110.69	500.0	1.3	2.1	1.3	0.28	0.24	-56.28
600.0	0.70	85.66	600.0	1.3	3.0	1.2	0.44	0.39	-25.03
700.0	0.72	80.75	700.0	1.4	4.2	1.4	0.06	0.02	-4.91
800.0	1.02	71.05	800.0	1.8	5.7	1.7	0.33	0.30	-9.70
900.0	1.50	45.13	899.9	3.0	7.4	2.9	0.73	0.48	-25.92



Stryker Energy Directional Services
Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Armstrong 26/23 W1EE Fed Com #1H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	3329+27 @ 3356.0usft (Patterson 231)
Site:	Section 26 23-25S-31E Armstrong	MD Reference:	3329+27 @ 3356.0usft (Patterson 231)
Well:	Armstrong 26/23 W1EE Fed Com #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	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)
917.0	1.38	45.80	916.9	3.3	7.7	3.2	0.71	-0.71	3.94
First Stryker Surveys									
1,021.0	1.10	5.30	1,020.9	5.2	8.7	5.1	0.86	-0.27	-38.94
1,213.0	0.90	349.60	1,212.9	8.5	8.6	8.4	0.18	-0.10	-8.18
1,402.0	0.90	326.60	1,401.9	11.2	7.5	11.1	0.19	0.00	-12.17
1,592.0	1.10	315.70	1,591.8	13.7	5.4	13.7	0.14	0.11	-5.74
1,780.0	1.30	301.40	1,779.8	16.1	2.4	16.1	0.19	0.11	-7.61
1,969.0	1.40	293.80	1,968.7	18.2	-1.6	18.2	0.11	0.05	-4.02
2,158.0	1.70	276.90	2,157.7	19.5	-6.5	19.5	0.29	0.16	-8.94
2,348.0	1.90	276.60	2,347.6	20.2	-12.4	20.3	0.11	0.11	-0.16
2,537.0	1.50	265.60	2,536.5	20.3	-18.0	20.6	0.27	-0.21	-5.82
2,725.0	0.40	209.10	2,724.5	19.6	-20.8	19.8	0.70	-0.59	-30.05
2,914.0	0.70	126.70	2,913.5	18.3	-20.2	18.6	0.40	0.16	-43.60
3,103.0	1.00	102.60	3,102.4	17.3	-17.6	17.5	0.24	0.16	-12.75
3,290.0	1.40	77.50	3,289.4	17.4	-13.8	17.6	0.35	0.21	-13.42
3,479.0	1.60	71.60	3,478.3	18.7	-9.0	18.8	0.13	0.11	-3.12
3,669.0	2.10	77.20	3,668.2	20.3	-3.1	20.4	0.28	0.26	2.95
3,857.0	2.80	109.10	3,856.1	19.6	4.6	19.5	0.80	0.37	16.97
4,047.0	3.20	146.20	4,045.8	13.7	11.9	13.5	1.02	0.21	19.53
4,209.0	3.00	159.80	4,207.6	5.9	15.9	5.7	0.47	-0.12	8.40
4,336.0	3.00	161.50	4,334.4	-0.3	18.1	-0.6	0.07	0.00	1.34
4,524.0	1.60	211.10	4,522.3	-7.3	18.3	-7.5	1.23	-0.74	26.38
4,713.0	1.70	221.70	4,711.2	-11.6	15.1	-11.8	0.17	0.05	5.61
4,902.0	0.90	153.10	4,900.2	-15.0	13.9	-15.2	0.85	-0.42	-36.30
5,091.0	1.00	150.70	5,089.1	-17.8	15.4	-18.0	0.06	0.05	-1.27
5,280.0	1.00	150.40	5,278.1	-20.7	17.0	-20.9	0.00	0.00	-0.16
5,469.0	0.90	165.20	5,467.1	-23.5	18.2	-23.7	0.14	-0.05	7.83
5,658.0	0.90	167.80	5,656.1	-26.4	18.9	-26.6	0.02	0.00	1.38
5,848.0	1.00	172.20	5,846.0	-29.5	19.4	-29.8	0.07	0.05	2.32
6,037.0	0.70	180.90	6,035.0	-32.3	19.6	-32.5	0.17	-0.16	4.60
6,224.0	0.80	181.40	6,222.0	-34.7	19.6	-35.0	0.05	0.05	0.27
6,413.0	0.90	181.60	6,411.0	-37.6	19.5	-37.8	0.05	0.05	0.11
6,601.0	1.00	177.90	6,598.9	-40.7	19.5	-40.9	0.06	0.05	-1.97
6,791.0	1.40	177.70	6,788.9	-44.6	19.7	-44.9	0.21	0.21	-0.11
6,981.0	1.30	182.00	6,978.9	-49.1	19.7	-49.4	0.07	-0.05	2.26
7,170.0	1.30	189.10	7,167.8	-53.4	19.3	-53.6	0.09	0.00	3.76
7,359.0	1.40	192.50	7,356.8	-57.7	18.4	-58.0	0.07	0.05	1.80
7,549.0	0.60	244.20	7,546.7	-60.4	17.0	-60.7	0.60	-0.42	27.21
7,737.0	0.20	184.40	7,734.7	-61.2	16.1	-61.4	0.28	-0.21	-31.81
7,926.0	0.70	170.70	7,923.7	-62.7	16.3	-62.9	0.27	0.26	-7.25
8,116.0	0.90	171.10	8,113.7	-65.3	16.7	-65.5	0.11	0.11	0.21
8,305.0	1.20	189.10	8,302.7	-68.7	16.6	-68.9	0.23	0.16	9.52
8,494.0	0.90	194.40	8,491.6	-72.1	15.9	-72.3	0.17	-0.16	2.80



Stryker Energy Directional Services

Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Armstrong 26/23 W1EE Fed Com #1H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	3329+27 @ 3356.0usft (Patterson 231)
Site:	Section 26 23-25S-31E Armstrong	MD Reference:	3329+27 @ 3356.0usft (Patterson 231)
Well:	Armstrong 26/23 W1EE Fed Com #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	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)
8,683.0	0.40	263.90	8,680.6	-73.6	14.9	-73.8	0.45	-0.26	36.77
8,871.0	0.60	113.80	8,868.6	-74.1	15.2	-74.3	0.51	0.11	-79.84
9,061.0	0.60	237.80	9,058.6	-75.0	15.2	-75.2	0.56	0.00	65.26
9,249.0	1.50	228.70	9,246.6	-77.2	12.5	-77.3	0.49	0.48	-4.84
9,438.0	1.20	194.10	9,435.5	-80.7	10.2	-80.8	0.45	-0.16	-18.31
9,627.0	1.00	163.00	9,624.5	-84.2	10.2	-84.3	0.33	-0.11	-16.46
9,815.0	2.10	168.10	9,812.4	-89.1	11.4	-89.3	0.59	0.59	2.71
10,004.0	2.10	171.10	10,001.3	-96.0	12.6	-96.1	0.06	0.00	1.59
10,193.0	1.60	193.60	10,190.2	-101.9	12.6	-102.1	0.46	-0.26	11.90
10,382.0	0.70	181.70	10,379.2	-105.7	11.9	-105.8	0.49	-0.48	-6.30
10,571.0	0.40	223.70	10,568.2	-107.3	11.4	-107.4	0.26	-0.16	22.22
10,760.0	1.10	232.40	10,757.1	-108.9	9.5	-109.0	0.37	0.37	4.60
10,949.0	0.40	278.20	10,946.1	-109.9	7.4	-110.0	0.46	-0.37	24.23
11,138.0	1.20	194.00	11,135.1	-111.7	6.3	-111.8	0.65	0.42	-44.55
11,327.0	1.20	207.00	11,324.1	-115.4	4.9	-115.4	0.14	0.00	6.88
11,485.0	1.70	208.10	11,482.0	-118.9	3.1	-119.0	0.32	0.32	0.70
11,533.0	1.30	258.20	11,530.0	-119.7	2.2	-119.7	2.75	-0.83	104.38
11,564.0	4.60	326.80	11,561.0	-118.7	1.2	-118.7	13.87	10.65	221.29
11,596.0	9.60	342.60	11,592.7	-115.1	-0.3	-115.1	16.63	15.63	49.38
11,627.0	13.00	353.40	11,623.1	-109.2	-1.5	-109.1	12.87	10.97	34.84
11,659.0	15.30	357.90	11,654.1	-101.4	-2.1	-101.3	7.96	7.19	14.06
11,691.0	18.90	359.50	11,684.7	-92.0	-2.3	-91.9	11.34	11.25	5.00
11,722.0	22.70	358.40	11,713.7	-80.9	-2.5	-80.9	12.32	12.26	-3.55
11,754.0	26.00	357.70	11,742.8	-67.8	-2.9	-67.7	10.35	10.31	-2.19
11,785.0	28.80	358.40	11,770.4	-53.5	-3.4	-53.5	9.09	9.03	2.26
11,817.0	31.80	359.80	11,798.0	-37.4	-3.7	-37.3	9.63	9.38	4.38
11,849.0	34.30	359.40	11,824.8	-19.9	-3.8	-19.9	7.84	7.81	-1.25
11,880.0	36.50	358.20	11,850.1	-2.0	-4.2	-1.9	7.44	7.10	-3.87
11,912.0	39.20	358.10	11,875.3	17.7	-4.8	17.7	8.44	8.44	-0.31
11,944.0	41.60	359.60	11,899.7	38.4	-5.2	38.5	8.09	7.50	4.69
11,975.0	43.30	3.00	11,922.6	59.3	-4.7	59.4	9.21	5.48	10.97
12,007.0	46.00	2.90	11,945.3	81.8	-3.6	81.8	8.44	8.44	-0.31
12,038.0	48.30	1.50	11,966.4	104.5	-2.7	104.5	8.12	7.42	-4.52
12,069.0	51.00	0.50	11,986.5	128.1	-2.3	128.1	9.05	8.71	-3.23
12,099.0	54.50	359.40	12,004.7	152.0	-2.3	152.0	12.03	11.67	-3.67
12,130.0	58.50	359.00	12,021.8	177.8	-2.7	177.8	12.95	12.90	-1.29
12,162.0	62.50	359.10	12,037.5	205.6	-3.2	205.7	12.50	12.50	0.31
12,194.0	66.70	359.20	12,051.2	234.5	-3.6	234.6	13.13	13.13	0.31
12,225.0	70.60	359.60	12,062.5	263.4	-3.9	263.4	12.64	12.58	1.29
12,257.0	74.10	0.10	12,072.2	293.9	-4.0	293.9	11.04	10.94	1.56
12,283.0	76.80	0.00	12,078.8	319.1	-3.9	319.1	10.39	10.38	-0.38
12,313.0	78.90	0.10	12,085.1	348.4	-3.9	348.4	7.01	7.00	0.33
12,345.0	80.10	0.10	12,090.9	379.8	-3.9	379.9	3.75	3.75	0.00



Stryker Energy Directional Services
Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Armstrong 26/23 W1EE Fed Com #1H
Project:	Eddy County, N.M., Nad (83)	TVD Reference:	3329+27 @ 3356.0usft (Patterson 231)
Site:	Section 26 23-25S-31E Armstrong	MD Reference:	3329+27 @ 3356.0usft (Patterson 231)
Well:	Armstrong 26/23 W1EE Fed Com #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	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)
12,376.0	81.90	0.20	12,095.7	410.5	-3.8	410.5	5.82	5.81	0.32
12,408.0	84.20	0.40	12,099.6	442.2	-3.6	442.2	7.21	7.19	0.63
12,439.0	86.30	1.00	12,102.2	473.1	-3.2	473.1	7.04	6.77	1.94
12,471.0	86.20	0.70	12,104.3	505.0	-2.8	505.0	0.99	-0.31	-0.94
12,503.0	86.10	0.20	12,106.4	537.0	-2.5	537.0	1.59	-0.31	-1.56
12,534.0	86.40	0.30	12,108.5	567.9	-2.4	567.9	1.02	0.97	0.32
12,566.0	85.90	0.10	12,110.6	599.8	-2.3	599.8	1.68	-1.56	-0.63
12,597.0	86.20	0.70	12,112.7	630.8	-2.0	630.7	2.16	0.97	1.94
12,629.0	86.40	0.60	12,114.8	662.7	-1.7	662.7	0.70	0.63	-0.31
12,660.0	86.90	0.30	12,116.6	693.6	-1.4	693.6	1.88	1.61	-0.97
12,692.0	87.10	0.70	12,118.3	725.6	-1.2	725.5	1.40	0.63	1.25
12,723.0	87.50	1.10	12,119.7	756.6	-0.7	756.5	1.82	1.29	1.29
12,754.0	87.30	1.10	12,121.2	787.5	-0.1	787.5	0.65	-0.65	0.00
12,786.0	87.30	0.90	12,122.7	819.5	0.5	819.4	0.62	0.00	-0.63
12,817.0	87.80	1.50	12,124.0	850.4	1.1	850.4	2.52	1.61	1.94
12,849.0	88.90	0.60	12,124.9	882.4	1.7	882.3	4.44	3.44	-2.81
12,880.0	88.70	0.60	12,125.6	913.4	2.0	913.3	0.65	-0.65	0.00
12,912.0	89.40	1.50	12,126.1	945.4	2.6	945.3	3.56	2.19	2.81
12,943.0	89.80	0.60	12,126.3	976.4	3.2	976.3	3.18	1.29	-2.90
13,039.0	89.60	358.10	12,126.8	1,072.4	2.1	1,072.3	2.61	-0.21	-2.60
13,133.0	89.70	359.80	12,127.4	1,166.4	0.4	1,166.3	1.81	0.11	1.81
13,227.0	90.10	1.30	12,127.5	1,260.4	1.3	1,260.2	1.65	0.43	1.60
13,322.0	89.60	358.60	12,127.8	1,355.3	1.2	1,355.2	2.89	-0.53	-2.84
13,417.0	89.70	0.80	12,128.4	1,450.3	0.7	1,450.2	2.32	0.11	2.32
13,511.0	90.10	358.20	12,128.5	1,544.3	-0.1	1,544.2	2.80	0.43	-2.77
13,606.0	90.10	0.10	12,128.4	1,639.3	-1.5	1,639.2	2.00	0.00	2.00
13,700.0	90.20	0.10	12,128.1	1,733.3	-1.4	1,733.2	0.11	0.11	0.00
13,795.0	90.20	0.40	12,127.8	1,828.3	-1.0	1,828.2	0.32	0.00	0.32
13,890.0	90.20	357.20	12,127.5	1,923.3	-2.9	1,923.2	3.37	0.00	-3.37
13,985.0	90.20	359.00	12,127.1	2,018.2	-6.1	2,018.1	1.89	0.00	1.89
14,080.0	89.00	357.20	12,127.8	2,113.2	-9.2	2,113.1	2.28	-1.26	-1.89
14,163.0	90.40	357.50	12,128.2	2,196.1	-13.1	2,196.1	1.73	1.69	0.36
14,258.0	90.10	358.80	12,127.8	2,291.0	-16.1	2,291.0	1.40	-0.32	1.37
14,353.0	90.70	0.80	12,127.2	2,386.0	-16.5	2,386.0	2.20	0.63	2.11
14,447.0	89.80	359.90	12,126.7	2,480.0	-15.9	2,480.0	1.35	-0.96	-0.96
14,542.0	90.10	359.70	12,126.8	2,575.0	-16.2	2,575.0	0.38	0.32	-0.21
14,637.0	92.00	2.30	12,125.1	2,670.0	-14.6	2,669.9	3.39	2.00	2.74
14,731.0	92.80	8.10	12,121.1	2,763.4	-6.1	2,763.3	6.22	0.85	6.17
14,826.0	91.30	5.60	12,117.7	2,857.7	5.3	2,857.4	3.07	-1.58	-2.63
14,920.0	91.60	0.90	12,115.4	2,951.5	10.6	2,951.1	5.01	0.32	-5.00
15,015.0	92.00	356.40	12,112.4	3,046.4	8.3	3,046.0	4.75	0.42	-4.74
15,109.0	89.20	350.90	12,111.4	3,139.8	-2.0	3,139.5	6.56	-2.98	-5.85
15,204.0	89.10	353.30	12,112.8	3,233.8	-15.1	3,233.8	2.53	-0.11	2.53
15,298.0	87.80	356.10	12,115.3	3,327.4	-23.8	3,327.4	3.28	-1.38	2.98



Stryker Energy Directional Services

Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Armstrong 26/23 W1EE Fed Com #1H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	3329+27 @ 3356.0usft (Patterson 231)
Site:	Section 26 23-25S-31E Armstrong	MD Reference:	3329+27 @ 3356.0usft (Patterson 231)
Well:	Armstrong 26/23 W1EE Fed Com #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	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)	
15,393.0	88.80	357.30	12,118.2	3,422.2	-29.2	3,422.3	1.64	1.05	1.26	
15,487.0	90.10	358.10	12,119.1	3,516.1	-33.0	3,516.2	1.62	1.38	0.85	
15,582.0	90.10	356.70	12,118.9	3,611.0	-37.3	3,611.2	1.47	0.00	-1.47	
15,676.0	90.10	357.10	12,118.7	3,704.9	-42.4	3,705.1	0.43	0.00	0.43	
15,771.0	89.70	358.70	12,118.9	3,799.8	-45.9	3,800.1	1.74	-0.42	1.68	
15,866.0	90.30	359.80	12,118.9	3,894.8	-47.1	3,895.1	1.32	0.63	1.16	
15,960.0	89.80	358.70	12,118.8	3,988.8	-48.4	3,989.1	1.29	-0.53	-1.17	
16,054.0	90.30	359.30	12,118.7	4,082.8	-50.0	4,083.1	0.83	0.53	0.64	
16,146.0	90.80	359.80	12,117.9	4,174.8	-50.7	4,175.1	0.77	0.54	0.54	
16,241.0	90.50	0.10	12,116.8	4,269.8	-50.8	4,270.1	0.45	-0.32	0.32	
16,336.0	89.80	359.40	12,116.5	4,364.8	-51.2	4,365.1	1.04	-0.74	-0.74	
16,431.0	90.80	359.60	12,116.0	4,459.7	-52.1	4,460.0	1.07	1.05	0.21	
16,525.0	90.50	358.50	12,115.0	4,553.7	-53.6	4,554.0	1.21	-0.32	-1.17	
16,620.0	90.20	359.40	12,114.4	4,648.7	-55.4	4,649.0	1.00	-0.32	0.95	
16,714.0	87.90	358.00	12,115.9	4,742.7	-57.5	4,743.0	2.86	-2.45	-1.49	
16,808.0	90.80	359.20	12,117.0	4,836.6	-59.8	4,837.0	3.34	3.09	1.28	
16,906.0	89.90	2.70	12,116.4	4,934.6	-58.2	4,934.9	3.69	-0.92	3.57	
17,001.0	90.40	8.80	12,116.2	5,029.1	-48.6	5,029.3	6.44	0.53	6.42	
17,095.0	90.20	8.40	12,115.7	5,122.0	-34.6	5,122.0	0.48	-0.21	-0.43	
17,190.0	92.20	3.90	12,113.7	5,216.4	-24.4	5,216.3	5.18	2.11	-4.74	
17,285.0	92.30	357.80	12,109.9	5,311.3	-23.0	5,311.2	6.42	0.11	-6.42	
17,380.0	91.10	356.20	12,107.1	5,406.1	-28.0	5,406.0	2.10	-1.26	-1.68	
17,475.0	91.00	357.00	12,105.4	5,500.9	-33.6	5,500.9	0.85	-0.11	0.84	
17,570.0	90.10	356.80	12,104.5	5,595.8	-38.7	5,595.8	0.97	-0.95	-0.21	
17,664.0	89.80	356.70	12,104.6	5,689.6	-44.1	5,689.7	0.34	-0.32	-0.11	
17,759.0	90.00	356.10	12,104.7	5,784.4	-50.0	5,784.6	0.67	0.21	-0.63	
17,854.0	90.00	356.20	12,104.7	5,879.2	-56.4	5,879.5	0.11	0.00	0.11	
17,949.0	90.40	357.40	12,104.4	5,974.1	-61.7	5,974.4	1.33	0.42	1.26	
18,043.0	89.60	357.70	12,104.4	6,068.0	-65.7	6,068.3	0.91	-0.85	0.32	
18,138.0	89.20	357.20	12,105.4	6,162.9	-70.0	6,163.3	0.67	-0.42	-0.53	
18,233.0	89.70	357.90	12,106.3	6,257.8	-74.0	6,258.2	0.91	0.53	0.74	
18,317.0	88.90	357.10	12,107.3	6,341.7	-77.7	6,342.2	1.35	-0.95	-0.95	
18,355.0	88.90	357.10	12,108.1	6,379.6	-79.6	6,380.1	0.00	0.00	0.00	
18355.0' Projected to bit										

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
917.0	916.9	3.3	7.7	First Stryker Surveys	
18,355.0	12,108.1	6,379.6	-79.6	18355.0' Projected to bit	



Stryker Energy Directional Services
Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Armstrong 26/23 W1EE Fed Com #1H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	3329+27 @ 3356.0usft (Patterson 231)
Site:	Section 26 23-25S-31E Armstrong	MD Reference:	3329+27 @ 3356.0usft (Patterson 231)
Well:	Armstrong 26/23 W1EE Fed Com #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	EDM5000

Checked By: _____	Approved By: _____	Date: _____
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February 12, 2020

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
Armstrong 26 23 W1EE Federal Com #3H
Purple Sage; Wolfcamp (Gas)
Eddy County, New Mexico
API# 30-015-46307

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>
Glenn Thompson	Original Hole	1,021ft. to 18,317ft.	10-31-19 to 11-21-19	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\Armstrong 26 23 W1EE Fed Com #3HM191203

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



February 12, 2020

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 October 31, 2019, through November 21, 2019 conduct or supervise the taking of a SEDS Original Hole MWD Survey from a depth of 1,021feet to a depth of 18,317feet; that I am authorized and qualified to make this report; that this survey was conducted at the request of Mewbourne Oil Company, for the Armstrong 26 23 W1EE Federal Com #003H, well API # **30-015-46307** 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 26 23-26S-31E Armstrong
Well: Armstrong 26/23 WIEE Fed Com #1H
Wellbore: Original Hole
Design: As Drilled

Local Co-ordinate Reference: Well Armstrong 26/23 WIEE Fed Com #1H
TVD Reference: 3329+27 @ 3356.0usft (Patterson 231)
MD Reference: 3329+27 @ 3356.0usft (Patterson 231)
North Reference: Gnd
Survey Calculation Method: Minimum Curvature
Database: EDM5000

Survey Program: Date 11/22/19

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.0	917.0	Gyro Surveys (Original Hole)	SRG-GYRO-MS	surface readout gyro multishot
1,021.0	18,355.0	Stryker Surveys (Original Hole)	MWD	MWD v3: standard declination

MD (usft)	Inc (")	Azi (azimuth) (")	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (")	DLeg ("/100usft)	Northing (usft)	Easting (usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	401,213.60	720,577.00
100.0	0.49	62.82	100.0	0.2	0.4	0.4	62.82	0.49	401,213.80	720,577.38
200.0	0.48	29.03	200.0	0.8	1.0	1.2	51.86	0.28	401,214.38	720,577.96
300.0	0.44	58.82	300.0	1.3	1.6	2.0	48.53	0.24	401,214.92	720,578.50
400.0	0.07	165.97	400.0	1.6	1.8	2.3	51.62	0.47	401,216.06	720,578.84
500.0	0.31	110.89	500.0	1.3	2.1	2.5	58.18	0.28	401,214.91	720,579.10
600.0	0.70	85.86	600.0	1.3	3.0	3.2	67.04	0.44	401,214.86	720,579.97
700.0	0.72	80.75	700.0	1.4	4.2	4.4	71.60	0.06	401,215.00	720,581.20
800.0	1.02	71.05	800.0	1.8	5.7	5.9	72.41	0.33	401,215.38	720,582.98
900.0	1.60	45.13	899.9	3.0	7.4	8.0	67.96	0.73	401,216.61	720,584.43
917.0	1.38	45.80	916.9	3.3	7.7	8.4	68.86	0.71	401,216.91	720,584.73
First Stryker Surveys										
1,021.0	1.10	5.30	1,020.9	5.2	8.7	10.1	59.33	0.86	401,216.77	720,585.72
1,213.0	0.90	349.60	1,212.9	8.5	8.6	12.1	45.43	0.18	401,222.09	720,585.62
1,402.0	0.90	326.60	1,401.9	11.2	7.5	13.5	33.95	0.19	401,224.79	720,584.54
1,592.0	1.10	315.70	1,591.8	13.7	5.4	14.8	21.60	0.14	401,227.34	720,582.44
1,780.0	1.30	301.40	1,779.8	16.1	2.4	18.3	8.31	0.19	401,229.74	720,579.36
1,966.0	1.40	293.80	1,966.7	18.2	-1.6	18.3	355.03	0.11	401,231.79	720,575.42
2,158.0	1.70	276.90	2,157.7	19.5	-6.5	20.5	341.59	0.29	401,233.06	720,570.52
2,348.0	1.90	276.90	2,347.6	20.2	-12.4	23.7	326.40	0.11	401,233.76	720,564.59
2,537.0	1.50	265.60	2,536.5	20.3	-18.0	27.1	318.51	0.27	401,233.93	720,559.02



Stryker Energy Directional Services
Survey Report Landscape



Company: Mewbourne Oil Company
Project: Eddy County, N.M. Nad (83)
Site: Section 28 23-25S-31E Armstrong
Well: Armstrong 28/23 W1EE Fed Com #1H
Wellbore: Original Hole
Design: As Drilled

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Database:
Well Armstrong 28/23 W1EE Fed Com #1H
3329+27 @ 3356.0usft (Patterson 231)
3329+27 @ 3356.0usft (Patterson 231)
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)
2,725.0	0.40	209.10	2,724.5	19.8	-20.8	28.5	313.31	0.70	401,233.17	720,556.24
2,914.0	0.70	126.70	2,913.5	18.3	-20.2	27.2	312.25	0.40	401,231.90	720,556.85
3,103.0	1.00	102.80	3,102.4	17.3	-17.8	24.7	314.40	0.24	401,230.65	720,559.38
3,290.0	1.40	77.50	3,289.4	17.4	-13.8	22.2	321.58	0.35	401,230.99	720,563.21
3,479.0	1.80	71.60	3,478.3	18.7	-9.0	20.8	334.24	0.13	401,232.33	720,567.96
3,669.0	2.10	77.20	3,668.2	20.3	-3.1	20.8	351.26	0.28	401,233.83	720,573.88
3,857.0	2.80	109.10	3,856.1	19.6	4.6	20.1	13.14	0.80	401,233.19	720,581.57
4,047.0	3.20	148.20	4,045.8	13.7	11.9	18.1	41.07	1.02	401,227.27	720,888.91
4,209.0	3.00	159.60	4,207.8	5.9	15.9	17.0	69.53	0.47	401,219.53	720,692.89
4,336.0	3.00	161.50	4,334.4	-0.3	18.1	18.1	91.07	0.07	401,213.26	720,595.09
4,524.0	1.80	211.10	4,522.3	-7.3	18.3	19.7	111.82	1.23	401,206.35	720,585.30
4,713.0	1.70	221.70	4,711.2	-11.6	15.1	19.0	127.60	0.17	401,202.00	720,592.07
4,902.0	0.90	153.10	4,900.2	-15.0	13.9	20.4	137.27	0.85	401,198.58	720,590.87
5,091.0	1.00	160.70	5,089.1	-17.8	15.4	23.5	139.19	0.06	401,195.82	720,592.35
5,280.0	1.00	160.40	5,278.1	-20.7	17.0	26.7	140.59	0.00	401,192.94	720,593.98
5,469.0	0.90	165.20	5,467.1	-23.5	18.2	29.7	142.32	0.14	401,190.08	720,595.17
5,658.0	0.90	167.80	5,656.1	-26.4	18.9	32.5	144.47	0.02	401,187.19	720,595.86
5,848.0	1.00	172.20	5,846.0	-29.5	19.4	35.3	146.68	0.07	401,184.09	720,596.40
6,037.0	0.70	180.90	6,035.0	-32.3	19.6	37.8	148.74	0.17	401,181.30	720,596.61
6,224.0	0.80	181.40	6,222.0	-34.7	19.6	39.9	150.83	0.05	401,178.85	720,598.56
6,413.0	0.90	181.80	6,411.0	-37.6	19.5	42.3	152.58	0.05	401,176.05	720,598.48
6,601.0	1.00	177.90	6,599.0	-40.7	19.5	45.1	154.38	0.08	401,172.93	720,596.50
6,791.0	1.40	177.70	6,788.9	-44.6	18.7	48.8	156.23	0.21	401,168.96	720,596.66
6,981.0	1.30	182.00	6,978.9	-48.1	19.7	62.9	158.17	0.07	401,164.49	720,596.68
7,170.0	1.30	189.10	7,167.8	-53.4	19.3	56.7	160.16	0.09	401,160.23	720,596.26
7,359.0	1.40	192.50	7,358.8	-57.7	18.4	60.6	162.31	0.07	401,156.85	720,595.42
7,549.0	0.80	244.20	7,548.7	-80.4	17.0	62.8	164.27	0.80	401,153.16	720,594.02



Stryker Energy Directional Services
Survey Report Landscape



Company: Mewbourne Oil Company
Project: Eddy County, N.M. Ned (88)
Site: Section 26 23-25S-31E Armstrong
Well: Armstrong 26/23 W1EE Fed Com #1H
Wellbore: Original Hole
Design: As Drilled

Local Co-ordinate Reference: Well Armstrong 26/23 W1EE Fed Com #1H
TVD Reference: 3329+27 @ 3356.0usft (Patterson 231)
MD Reference: 3329+27 @ 3356.0usft (Patterson 231)
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)
7,737.0	0.20	184.40	7,734.7	-61.2	16.1	63.3	105.25	0.28	401,152.40	720,593.11
7,926.0	0.70	170.70	7,923.7	-82.7	16.3	64.7	165.44	0.27	401,150.93	720,593.27
8,116.0	0.90	171.10	8,113.7	-85.3	16.7	67.4	165.66	0.11	401,148.31	720,593.69
8,305.0	1.20	189.10	8,302.7	-88.7	16.6	70.7	166.41	0.23	401,144.69	720,593.61
8,494.0	0.90	194.40	8,491.6	-72.1	15.9	73.8	167.54	0.17	401,141.50	720,592.83
8,683.0	0.40	263.90	8,680.6	-73.6	14.9	75.1	168.56	0.45	401,139.99	720,591.90
8,871.0	0.60	113.90	8,868.6	-74.1	15.2	75.6	168.44	0.61	401,139.52	720,592.15
9,061.0	0.80	237.80	9,058.6	-75.0	15.2	78.6	168.53	0.58	401,138.59	720,592.22
9,249.0	1.50	228.70	9,246.6	-77.2	12.6	78.2	170.77	0.49	401,136.44	720,589.54
9,438.0	1.20	194.10	9,435.5	-80.7	10.2	81.3	172.80	0.45	401,132.89	720,587.20
9,627.0	1.00	163.00	9,624.5	-84.2	10.2	84.8	173.10	0.33	401,129.40	720,587.20
9,815.0	2.10	168.10	9,812.4	-99.1	11.4	88.9	172.72	0.59	401,124.46	720,586.39
10,004.0	2.10	171.10	10,001.3	-96.0	12.6	95.8	172.50	0.06	401,117.65	720,586.64
10,193.0	1.60	193.60	10,190.2	-101.9	12.6	102.7	172.88	0.46	401,111.66	720,586.55
10,382.0	0.70	181.70	10,379.2	-105.7	11.9	106.3	173.58	0.49	401,107.94	720,586.90
10,571.0	0.40	223.70	10,568.2	-107.3	11.4	107.9	173.93	0.26	401,106.31	720,586.41
10,760.0	1.10	232.40	10,757.1	-108.9	9.5	109.3	175.01	0.37	401,104.73	720,586.51
10,949.0	0.40	278.20	10,946.1	-109.9	7.4	110.1	176.14	0.46	401,103.71	720,584.42
11,138.0	1.20	194.00	11,135.1	-111.7	6.3	111.9	176.78	0.85	401,101.89	720,583.29
11,327.0	1.20	207.00	11,324.1	-115.4	4.9	115.5	177.56	0.14	401,099.20	720,581.91
11,486.0	1.70	208.10	11,482.0	-118.9	3.1	119.0	178.53	0.32	401,094.66	720,580.06
11,533.0	1.30	258.20	11,530.0	-119.7	2.2	119.7	178.95	2.75	401,093.92	720,579.19
11,584.0	4.80	326.80	11,561.0	-118.7	1.2	118.7	179.44	13.87	401,094.69	720,578.17
11,596.0	9.60	342.60	11,592.7	-115.1	-0.3	115.1	180.17	16.83	401,098.51	720,576.66
11,627.0	13.00	353.40	11,623.1	-109.2	-1.5	109.2	180.79	12.87	401,104.45	720,575.49
11,659.0	15.30	357.90	11,654.1	-101.4	-2.1	101.4	181.18	7.96	401,112.24	720,574.92
11,691.0	18.90	359.50	11,684.7	-92.0	-2.3	92.0	181.42	11.94	401,121.65	720,574.72



Stryker Energy Directional Services
Survey Report Landscape



Company: Mewbourne Oil Company
Project: Eddy County, N.M. Nad (83)
Site: Section 26 23-25S-31E Armstrong
Well: Armstrong 28/23 WHEE Fed Com #1H
Wellbore: Original Hole
Design: As Drilled

Local Co-ordinate Reference: Well Armstrong 28/23 WHEE Fed Com #1H
TVD Reference: 3326+27 @ 3358.0usft (Patterson 231)
MD Reference: 3329+27 @ 3358.0usft (Patterson 231)
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)
11,722.0	22.70	358.40	11,713.7	-80.8	-2.5	81.0	181.78	12.32	401,132.85	720,574.51
11,754.0	26.00	357.70	11,742.8	-67.8	-2.9	67.8	182.49	10.35	401,145.84	720,574.06
11,785.0	28.80	358.40	11,770.4	-53.5	-3.4	53.8	183.86	9.09	401,160.09	720,573.57
11,817.0	31.80	359.80	11,798.0	-37.4	-3.7	37.5	185.61	9.83	401,176.23	720,573.33
11,849.0	34.30	359.40	11,824.8	-19.9	-3.8	20.3	190.78	7.84	401,193.68	720,573.21
11,880.0	36.50	368.20	11,850.1	-2.0	-4.2	4.8	244.79	7.44	401,211.63	720,572.88
11,912.0	39.20	358.10	11,875.3	17.7	-4.8	18.3	344.76	8.44	401,231.26	720,572.19
11,944.0	41.80	359.80	11,909.7	38.4	-5.2	38.7	352.26	8.09	401,251.99	720,571.78
11,975.0	43.30	3.00	11,922.8	59.3	-4.7	59.5	355.44	9.21	401,272.90	720,572.27
12,007.0	46.00	2.90	11,945.3	81.8	-3.6	81.8	357.48	8.44	401,295.38	720,573.42
12,038.0	48.30	1.50	11,968.4	104.5	-2.7	104.5	358.51	8.12	401,318.07	720,574.29
12,069.0	51.00	0.50	11,989.5	128.1	-2.3	128.1	358.97	9.05	401,341.88	720,574.70
12,099.0	54.50	359.40	12,004.7	152.0	-2.3	152.0	359.12	12.03	401,365.58	720,574.67
12,130.0	58.50	359.00	12,021.8	177.8	-2.7	177.8	359.13	12.95	401,391.40	720,574.31
12,162.0	62.50	359.10	12,037.5	205.6	-3.2	205.7	359.12	12.50	401,419.24	720,573.85
12,194.0	66.70	359.20	12,051.2	234.5	-3.6	234.6	359.13	13.13	401,448.14	720,573.42
12,225.0	70.80	359.80	12,062.5	263.4	-3.9	263.4	359.16	12.84	401,477.01	720,573.12
12,257.0	74.10	0.10	12,072.2	293.9	-4.0	293.9	359.23	11.04	401,507.50	720,573.04
12,283.0	76.80	0.00	12,078.8	319.1	-3.9	319.1	359.29	10.39	401,532.86	720,573.06
12,313.0	78.90	0.10	12,085.1	348.4	-3.9	348.4	359.36	7.01	401,561.99	720,573.09
12,345.0	80.10	0.10	12,090.9	379.8	-3.9	379.9	359.42	3.75	401,593.45	720,573.14
12,376.0	81.90	0.20	12,095.7	410.5	-3.8	410.5	359.47	5.82	401,624.07	720,573.22
12,408.0	84.20	0.40	12,099.6	442.2	-3.6	442.2	359.53	7.21	401,655.83	720,573.39
12,439.0	86.30	1.00	12,102.2	473.1	-3.2	473.1	359.61	7.04	401,688.72	720,573.77
12,471.0	86.20	0.70	12,104.3	505.0	-2.8	505.1	359.69	0.99	401,718.65	720,574.24
12,503.0	86.10	0.20	12,108.4	537.0	-2.5	537.0	359.73	1.59	401,750.57	720,574.49
12,534.0	86.40	0.30	12,108.5	567.9	-2.4	567.9	359.76	1.02	401,781.51	720,574.83



Stryker Energy Directional Services
Survey Report Landscape



Company: Mewbourne Oil Company
Project: Eddy County, N.M. Nad (89)
Site: Section 26 23-25S-31E Armstrong
Well: Armstrong 26/23 W1EE Fed Com #1H
Wellbore: Original Hole
Design: As Drilled

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

Well Armstrong 26/23 W1EE Fed Com #1H
3329+27 @ 3356.0usft (Patterson 231)
3329+27 @ 3356.0usft (Patterson 231)
Grid
Minimum Curvature
EDMS000

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)
12,588.0	85.90	0.10	12,110.8	599.8	-2.3	690.8	359.78	1.88	401,813.43	720,574.74
12,597.0	86.20	0.70	12,112.7	630.8	-2.0	630.8	359.81	2.16	401,844.36	720,574.86
12,629.0	86.40	0.80	12,114.8	662.7	-1.7	662.7	359.85	0.70	401,876.29	720,575.32
12,660.0	86.90	0.30	12,116.6	693.6	-1.4	693.6	359.88	1.88	401,907.24	720,575.58
12,692.0	87.10	0.70	12,118.3	725.6	-1.2	725.6	359.91	1.40	401,939.19	720,575.84
12,723.0	87.50	1.10	12,119.7	756.6	-0.7	756.6	359.95	1.82	401,970.15	720,576.32
12,754.0	87.30	1.10	12,121.2	787.5	-0.1	787.5	359.99	0.85	402,001.12	720,576.92
12,786.0	87.30	0.90	12,122.7	819.5	0.5	819.5	0.03	0.82	402,033.07	720,577.48
12,817.0	87.80	1.50	12,124.0	850.4	1.1	850.4	0.08	2.52	402,064.04	720,578.13
12,849.0	88.90	0.80	12,124.9	882.4	1.7	882.4	0.11	4.44	402,096.02	720,578.71
12,880.0	88.70	0.80	12,125.6	913.4	2.0	913.4	0.13	0.86	402,127.01	720,579.04
12,912.0	89.40	1.50	12,126.1	945.4	2.6	945.4	0.16	3.56	402,159.00	720,579.62
12,943.0	89.80	0.80	12,126.3	976.4	3.2	976.4	0.19	3.18	402,189.99	720,580.19
13,039.0	89.60	358.10	12,126.8	1,072.4	2.1	1,072.4	0.11	2.61	402,286.98	720,579.10
13,133.0	89.70	359.80	12,127.4	1,166.4	0.4	1,166.4	0.02	1.81	402,379.96	720,577.38
13,227.0	90.10	1.30	12,127.5	1,260.4	1.3	1,260.4	0.08	1.85	402,473.95	720,578.28
13,322.0	89.80	358.80	12,127.8	1,355.3	1.2	1,355.3	0.05	2.89	402,568.94	720,578.20
13,417.0	89.70	0.80	12,128.4	1,450.3	0.7	1,450.3	0.03	2.32	402,663.93	720,577.70
13,511.0	90.10	358.20	12,128.5	1,544.3	-0.1	1,544.3	360.00	2.80	402,757.92	720,576.88
13,606.0	90.10	0.10	12,128.4	1,639.3	-1.5	1,639.3	359.95	2.00	402,852.91	720,576.47
13,700.0	90.20	0.10	12,128.1	1,733.3	-1.4	1,733.3	359.95	0.11	402,946.91	720,576.64
13,795.0	90.20	0.40	12,127.8	1,828.3	-1.0	1,828.3	359.97	0.32	403,041.90	720,576.05
13,890.0	90.20	357.20	12,127.6	1,923.3	-2.9	1,923.3	359.91	3.37	403,136.87	720,574.06
13,985.0	90.20	359.00	12,127.1	2,018.2	-6.1	2,018.2	359.83	1.89	403,231.81	720,570.91
14,080.0	89.00	357.20	12,127.8	2,113.2	-9.2	2,113.2	359.75	2.28	403,326.75	720,567.76
14,163.0	90.40	357.50	12,128.2	2,198.1	-13.1	2,198.1	359.68	1.73	403,409.66	720,563.82
14,258.0	90.10	358.80	12,127.8	2,291.0	-16.1	2,291.1	359.60	1.40	403,504.61	720,560.86



Stryker Energy Directional Services
Survey Report Landscape



Company: Mewbourne Oil Company
Project: Eddy County, N.M. Nad (83)
Site: Section 28 23-25S-31E Armstrong
Well: Armstrong 28/23 WIEE Fed Com #1H
Wellbore: Original Hole
Design: As Drilled

Local Coordinate Reference: Well Armstrong 28/23 WIEE Fed Com #1H
TVD Reference: 3329+27 @ 3368.0usft (Patterson 231)
MD Reference: 3329+27 @ 3358.0usft (Patterson 231)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM5000

Survey:

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Globe Distance (usft)	Globe Azimuth (°)	DLog (°/100usft)	Northing (usft)	Easting (usft)
14,353.0	90.70	0.80	12,127.2	2,386.0	-16.5	2,386.1	359.60	2.20	403,599.80	720,560.53
14,447.0	89.80	359.90	12,128.7	2,480.0	-15.9	2,480.0	359.83	1.35	403,893.80	720,561.10
14,542.0	90.10	359.70	12,128.8	2,575.0	-16.2	2,575.0	359.84	0.38	403,788.80	720,560.77
14,637.0	92.00	2.30	12,125.1	2,670.0	-14.6	2,670.0	359.89	3.39	403,883.55	720,562.43
14,731.0	92.80	8.10	12,121.1	2,763.4	-6.1	2,763.4	359.87	8.22	403,977.04	720,570.93
14,826.0	91.30	5.80	12,117.7	2,857.7	5.3	2,857.7	0.11	3.07	404,071.29	720,582.25
14,920.0	91.80	0.80	12,115.4	2,951.5	10.6	2,951.5	0.21	5.01	404,165.09	720,587.58
15,015.0	92.00	358.40	12,112.4	3,046.4	8.3	3,046.4	0.16	4.75	404,259.99	720,585.34
15,109.0	89.20	359.90	12,111.4	3,139.8	-2.0	3,139.8	359.86	6.58	404,353.36	720,574.95
15,204.0	89.10	353.30	12,112.8	3,233.8	-15.1	3,233.9	359.73	2.53	404,447.44	720,561.90
15,298.0	87.80	359.10	12,118.3	3,327.4	-23.8	3,327.5	359.59	3.28	404,540.99	720,553.22
15,393.0	88.80	367.30	12,118.2	3,422.2	-29.2	3,422.3	359.51	1.84	404,635.79	720,547.75
15,487.0	90.10	358.10	12,119.1	3,516.1	-33.0	3,516.3	359.48	1.62	404,729.71	720,543.98
15,582.0	90.10	358.70	12,118.9	3,611.0	-37.3	3,611.2	359.41	1.47	404,824.61	720,539.87
15,676.0	90.10	367.10	12,118.7	3,704.9	-42.4	3,705.1	359.34	0.43	404,918.47	720,534.59
15,771.0	89.70	358.70	12,118.9	3,799.8	-45.9	3,800.1	359.31	1.74	405,013.40	720,531.11
15,866.0	90.30	359.80	12,118.9	3,894.8	-47.1	3,895.1	359.31	1.32	405,108.39	720,529.86
15,960.0	89.80	358.70	12,118.8	3,989.8	-48.4	3,989.1	359.31	1.29	405,202.38	720,528.63
16,054.0	90.30	359.30	12,118.7	4,082.6	-50.0	4,083.1	359.30	0.89	405,296.37	720,526.99
16,148.0	90.80	359.80	12,117.9	4,174.8	-50.7	4,175.1	359.30	0.77	405,388.36	720,526.27
16,241.0	90.60	0.10	12,116.8	4,268.6	-50.8	4,270.1	359.32	0.46	405,483.36	720,526.19
16,336.0	89.80	359.40	12,116.5	4,364.6	-61.2	4,365.1	359.33	1.04	405,578.35	720,525.77
16,431.0	90.80	359.80	12,116.0	4,459.7	-62.1	4,460.1	359.33	1.07	405,673.35	720,524.94
16,525.0	90.50	358.50	12,115.0	4,553.7	-63.6	4,554.0	359.33	1.21	405,767.33	720,523.38
16,620.0	90.20	358.40	12,114.4	4,648.7	-65.4	4,649.0	359.32	1.00	405,862.31	720,521.64
16,714.0	87.90	358.00	12,115.9	4,742.7	-67.5	4,743.0	359.31	2.86	405,956.28	720,519.51
16,808.0	90.80	358.20	12,117.0	4,836.6	-68.8	4,837.0	359.29	3.34	406,050.22	720,517.22



Stryker Energy Directional Services
Survey Report Landscape



Company: Mewbourne Oil Company
Project: Eddy County, N.M. Nad (88)
Site: Section 26 23-25S-31E Armstrong
Well: Armstrong 26/23 W1EE Fed Com #1H
Wellbore: Original Hole
Design: As Drilled

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

Well Armstrong 26/23 W1EE Fed Com #1H
3329+27 @ 3356.0usft (Patterson 231)
3329+27 @ 3356.0usft (Patterson 231)
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)
16,906.0	89.90	2.70	12,116.4	4,934.6	-58.2	4,934.9	359.32	3.88	406,146.18	720,518.84
17,001.0	90.40	8.80	12,116.2	5,029.1	-48.6	5,029.3	359.45	6.44	406,242.86	720,528.35
17,085.0	90.20	8.40	12,115.7	5,122.0	-34.8	5,122.1	359.61	0.48	406,336.80	720,542.41
17,190.0	92.20	3.80	12,113.7	5,216.4	-24.4	5,216.5	359.73	5.18	406,430.01	720,552.58
17,285.0	92.30	357.80	12,108.9	5,311.3	-23.0	5,311.3	359.75	6.42	406,524.88	720,553.99
17,380.0	91.10	358.20	12,107.1	5,406.1	-28.0	5,406.2	359.70	2.10	406,619.70	720,549.02
17,475.0	91.00	357.00	12,105.4	5,500.9	-33.6	5,501.0	359.85	0.85	406,714.52	720,543.39
17,570.0	90.10	358.80	12,104.5	5,595.8	-38.7	5,595.9	359.80	0.97	406,809.37	720,538.25
17,664.0	90.80	358.70	12,104.6	5,689.6	-44.1	5,689.8	359.56	0.34	406,903.22	720,532.92
17,759.0	90.00	358.10	12,104.7	5,784.4	-50.0	5,784.6	359.50	0.87	406,998.03	720,526.96
17,854.0	90.00	358.20	12,104.7	5,879.2	-55.4	5,879.5	359.45	0.11	407,092.82	720,520.88
17,949.0	90.40	357.40	12,104.4	5,974.1	-61.7	5,974.4	359.41	1.33	407,187.67	720,515.27
18,043.0	90.60	357.70	12,104.4	6,068.0	-65.7	6,068.3	359.38	0.91	407,281.58	720,511.26
18,138.0	89.20	357.20	12,105.4	6,162.9	-70.0	6,163.3	359.35	0.87	407,376.48	720,507.03
18,233.0	89.70	357.90	12,106.3	6,257.8	-74.0	6,258.2	359.32	0.91	407,471.39	720,502.97
18,317.0	88.90	357.10	12,107.3	6,341.7	-77.7	6,342.2	359.30	1.35	407,555.30	720,496.31
18,355.0	88.90	357.10	12,108.1	6,379.6	-79.6	6,380.1	359.28	0.00	407,593.25	720,497.38
18355.0' Projected to bit										

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
917.0	916.9	3.3	7.7	First Stryker Surveys
18,355.0	12,108.1	6,379.6	-79.6	18355.0' Projected to bit

Checked By: _____ Approved By: _____ Date: _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM16348

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resrv. Other _____						6. If Indian, Allottee or Tribe Name	
						7. Unit or CA Agreement Name and No.	
2. Name of Operator Contact: JACKIE LATHAN MEWBOURNE OIL COMPANY E-Mail: jlathan@mewbourne.com						8. Lease Name and Well No. ARMSTRONG 26/23 W1EE FED COM 1H	
3. Address P O BOX 5270 HOBBS, NM 88241				3a. Phone No. (include area code) Ph: 575-393-5905		9. API Well No. 30-015-46307-00-S1	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 26 T25S R31E Mer NMP At surface SWNW 2500FNL 900FWL 32.101692 N Lat, 103.754486 W Lon Sec 26 T25S R31E Mer NMP At top prod interval reported below SWNW 2978FNL 840FWL 32.101559 N Lat, 103.754681 W Lon Sec 23 T25S R31E Mer NMP At total depth NWNW 1409FNL 838FWL 32.122192 N Lat, 103.754135 W Lon						10. Field and Pool, or Exploratory PURPLE SAGE-WOLFCAMP (GAS)	
						11. Sec., T., R., M., or Block and Survey or Area Sec 26 T25S R31E Mer NMP	
						12. County or Parish 13. State EDDY NM	
14. Date Spudded 10/31/2019		15. Date T.D. Reached 11/21/2019		16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 04/23/2020		17. Elevations (DF, KB, RT, GL)* 3329 GL	
18. Total Depth:		MD 18355 TVD 12108		19. Plug Back T.D.:		MD 18305 TVD 12108	
				20. Depth Bridge Plug Set:		MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CCL GR CNL&CBL						22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis)	

23. Casing and Liner Record *(Report all strings set in well)*[illegible]

24. Tubing Record

[illegible]

25. Producing Intervals

Lithology			Well Completion Details			
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	11656	18355	12176 TO 18297	0.380	1836	OPEN
B)						
C)						
D)						



26. Perforation Record

Lithology			Well Completion Details			
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	11656	18355	12176 TO 18297	0.380	1836	OPEN
B)						
C)						
D)						



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

Depth Interval	Amount and Type of Material
12176 TO 18297	13,464,706 GALS SLICKWATER CARRYING 12,364,968# LOCAL 100 MESH SAND

28. Production - Interval A

Date First Produced 04/23/2020	Test Date 04/27/2020	Hours Tested 24	Test Production 	Oil BBL 435.0	Gas MCF 2378.0	Water BBL 2513.0	Oil Gravity Corr. API	Gas Gravity	Production Method FLOWS FROM WELL
Choke Size 22/64	Tbg. Press. Flwg. SI	Csg. Press. 3150.0	24 Hr. Rate 	Oil BBL 435	Gas MCF 2378	Water BBL 2513	Gas:Oil Ratio 5467	Well Status PGW	

28a. Production - Interval B

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

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

ELECTRONIC SUBMISSION #514102 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

8/05/2020 ab

28b. Production - Interval C									
Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D									
Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas(*Sold, used for fuel, vented, etc.*)
SOLD

30. Summary of Porous Zones (Include Aquifers): Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.	31. Formation (Log) Markers
--	-----------------------------

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
WOLFCAMP	11656	18355	OIL & GAS	RUSTLER TOP SALT RAMSEY BELL CANYON CHERRY CANYON BRUSHY CANYON BONE SPRING WOLFCAMP	795 1162 4030 4274 5303 6926 8109 11656

32. Additional remarks (include plugging procedure):
 Logs will be sent by mail.

33. Circle enclosed attachments:			
1. Electrical/Mechanical Logs (1 full set req'd.)	2. Geologic Report	3. DST Report	4. Directional Survey
5. Sundry Notice for plugging and cement verification	6. Core Analysis	7 Other:	

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #514102 Verified by the BLM Well Information System.
For MEWBOURNE OIL COMPANY, sent to the Carlsbad
Committed to AFMSS for processing by VIOLETA BURKE on 05/28/2020 (20VB0267SE)

Name(*please print*) RUBY CABALLERO Title CLERK

Signature _____ (Electronic Submission) Date 05/05/2020

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.

Revisions to Operator-Submitted EC Data for Well Completion #514102

	Operator Submitted	BLM Revised (AFMSS)
Lease:	NMNM16348	NMNM16348
Agreement:		
Operator:	MEWBOURNE OIL COMPANY PO BOX 5270 HOBBS, NM 88241 Ph: 575-393-5905	MEWBOURNE OIL COMPANY P O BOX 5270 HOBBS, NM 88241 Ph: 575.393.5905
Admin Contact:	JACKIE LATHAN REGULATORY E-Mail: jlathan@mewbourne.com Ph: 575-393-5905	JACKIE LATHAN REGULATORY E-Mail: jlathan@mewbourne.com Ph: 575-393-5905
Tech Contact:	RUBY CABALLERO REGULATORY E-Mail: rcaballero@mewbourne.com Ph: 575-393-5905 Ext: 5032	RUBY CABALLERO CLERK E-Mail: rojeda@mewbourne.com Ph: 575-393-5905
Well Name: Number:	ARMSTRONG 26/23 W1EE FED COM 1H	ARMSTRONG 26/23 W1EE FED COM 1H
Location: State: County: S/T/R: Surf Loc:	NM EDDY Sec 26 T25S R31E Mer SWNW 2500FNL 900FWL	NM EDDY Sec 26 T25S R31E Mer NMP SWNW 2500FNL 900FWL 32.101692 N Lat, 103.754486 W Lon
Field/Pool:	PURPLE SAGE; WOLFCAMP	PURPLE SAGE-WOLFCAMP (GAS)
Logs Run:	CCL/GR/CNL & CBL	CCL GR CNL&CBL
Producing Intervals - Formations:	WOLFCAMP	WOLFCAMP
Porous Zones:	WOLFCAMP	WOLFCAMP
Markers:	RUSTLER T/SALT B/SALT BELL CANYON CHERRY CANYON BRUSHY CANYON BONE SPRING WOLFCAMP	RUSTLER TOP SALT RAMSEY BELL CANYON CHERRY CANYON BRUSHY CANYON BONE SPRING WOLFCAMP