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District II
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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-OC D ARTESIA Form C-102
REC'D: 7/16/2020 Revised August 1, 2011
Submit one copy to appropriate
District Office

☒ AMENDED REPORT
As Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-44447	² Pool Code 98220	³ Pool Name Purple Sage; Wolfcamp (Gas)
⁴ Property Code 317659	⁵ Property Name FULLER 13/12 W1ED FED COM	
⁷ GRID NO. 14744	⁸ Operator Name MEWBOURNE OIL COMPANY	⁶ Well Number 1H
		⁹ Elevation 2958'

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
L	13	26S	29E		2620	SOUTH	360	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
D	12	26S	29E		315	NORTH	358	WEST	EDDY

¹² Dedicated Acres 480	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.

¹⁶ GEODETTIC DATA NAD 83 GRID - NM EAST SURFACE LOCATION N: 379136.0 - E: 661850.9 LAT: 32.0417282° N LONG: 103.9443906° W GEODETTIC DATA NAD 83 GRID - NM EAST BOTTOM HOLE N: 386959.1 - E: 661816.2 LAT: 32.0632337° N LONG: 103.9444114° W CORNER DATA NAD 83 GRID - NM EAST A: FOUND BRASS CAP "1940" N: 376497.1 - E: 661496.5 B: FOUND BRASS CAP "1940" N: 379187.8 - E: 661491.3 C: FOUND BRASS CAP "1940" N: 381882.4 - E: 661489.4 D: FOUND BRASS CAP "1940" N: 387281.8 - E: 661486.2 E: FOUND 1/2" REBAR N: 387392.8 - E: 666515.9 F: FOUND BRASS CAP "1940" N: 384735.7 - E: 666527.5 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: 376630.2 - E: 664029.0 K: FOUND BRASS CAP "1940" N: 381978.1 - E: 664013.6		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 Printed Name: Jackie Lathan Date: 3/9/2020 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. 10-11-18 Date of Survey Signature and Seal of Professional Surveyor 19680 Certificate Number

RWP 7/22/2020

Job No.: LS18101137

Intent ☐ As Drilled ☒

API #
30-015-44447

Operator Name: Mewbourne Oil Company	Property Name: Fuller 13/12 W1ED Federal Com	Well Number #1H
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Kick Off Point (KOP)

UL L	Section 13	Township 21S	Range 24E	Lot	Feet 2600	From N/S FSL	Feet 340	From E/W FWL	County Edley
Latitude 32.0416753					Longitude -103.9444569				NAD 83

First Take Point (FTP)

UL E	Section 13	Township 26S	Range 24E	Lot	Feet 2262	From N/S FNL	Feet 356	From E/W FWL	County Edley
Latitude 32.0428708					Longitude -103.9443975				NAD 83

Last Take Point (LTP)

UL D	Section 12	Township 26S	Range 24E	Lot	Feet 342	From N/S FNL	Feet 358	From E/W W	County Edley
Latitude 32.0830911					Longitude -103.9443128				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: Fuller 13/12 W1ED Fed Com #1H
COUNTY: Eddy County, N.M. Nad (83)
DATUM: North American Datum 1983

STRYKER
DIRECTIONAL
OFFICE: 936.582.7296

RIG: Patterson #560
GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 6.65°

GEODETTIC ZONE: New Mexico Eastern Zone
2958+28 @ 2986.0usft

GROUND ELEVATION: 2958.0

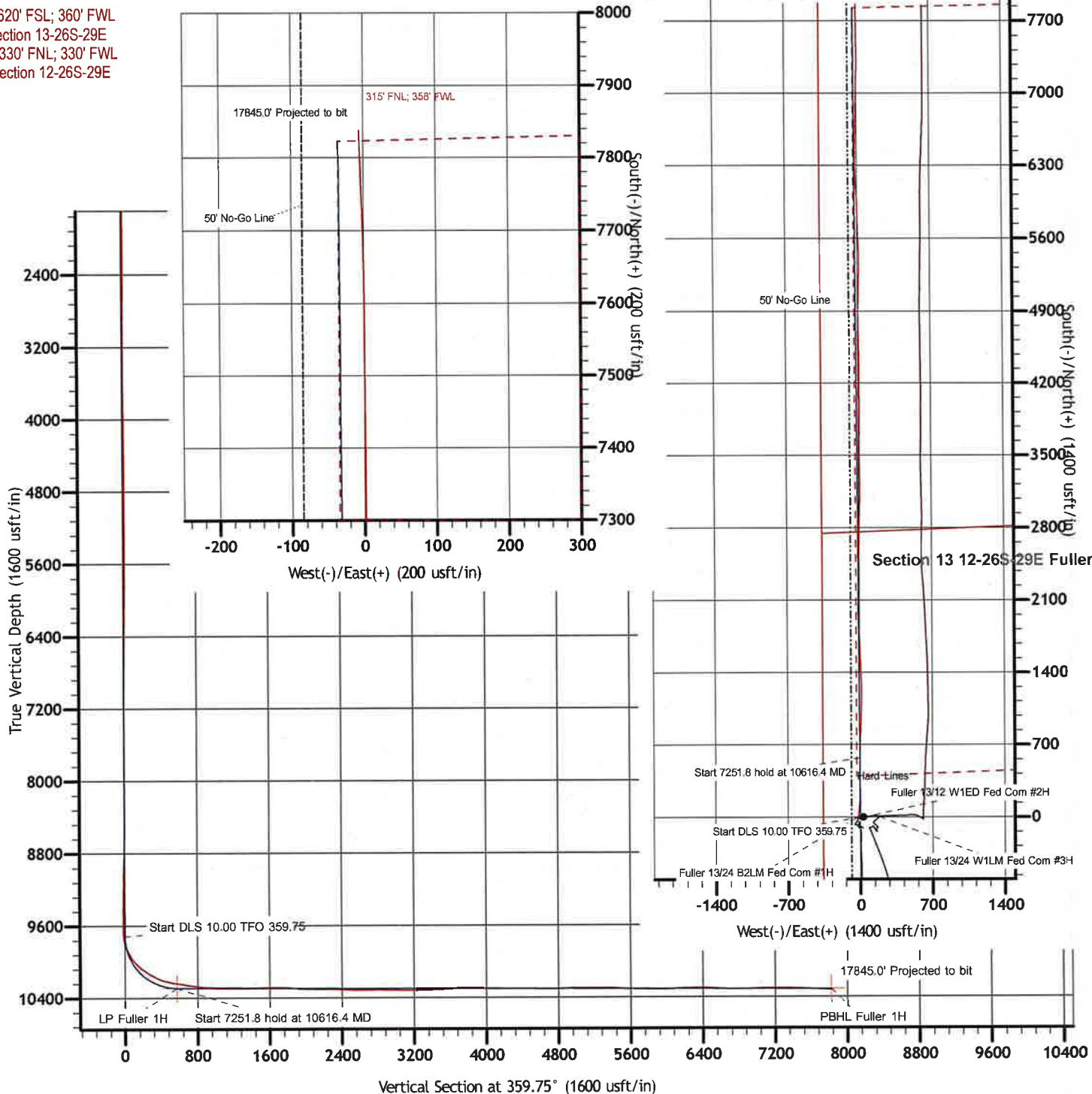
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	379136.00	661850.90	32° 2' 30.222 N	103° 56' 39.806 W

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	9718.0	0.00	0.00	9718.0	0.0	0.0	0.00	0.00	0.0	
3	10616.4	89.84	359.75	10291.0	571.4	-2.5	10.00	359.75	571.4	
4	17868.2	89.84	359.75	10311.0	7823.1	-34.7	0.00	0.00	7823.2	PBHL Fuller 1H



SHL: 2620' FSL; 360' FWL
Section 13-26S-29E
PBHL: 330' FNL; 330' FWL
Section 12-26S-29E





Mewbourne Oil Company

Eddy County, N.M. Nad (83)

Section 13 12-26S-29E Fuller

Fuller 13/12 W1ED Fed Com #1H

Original Hole

Design: Original Hole

Standard Survey Report

06 November, 2019





Stryker Energy Directional Services

Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fuller 13/12 W1ED Fed Com #1H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	2958+28 @ 2986.0usft
Site:	Section 13 12-26S-29E Fuller	MD Reference:	2958+28 @ 2986.0usft
Well:	Fuller 13/12 W1ED Fed Com #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	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 13 12-26S-29E Fuller		
Site Position:		Northing:	379,136.00 usft
From:	Map	Easting:	661,850.90 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 2' 30.222 N
		Longitude:	103° 56' 39.806 W
		Grid Convergence:	0.21 °

Well	Fuller 13/12 W1ED Fed Com #1H		
Well Position	+N/-S	0.0 usft	Northing: 379,136.00 usft
	+E/-W	0.0 usft	Easting: 661,850.90 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	28.0 usft
		Latitude:	32° 2' 30.222 N
		Longitude:	103° 56' 39.806 W
		Ground Level:	2,958.0 usft

Wellbore	Original Hole		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2015	10/15/19	6.86
			Dip Angle (°) 59.81
			Field Strength (nT) 47,555.25107872

Design	Original Hole		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.0	0.0	0.0
			Direction (°) 359.95

Survey Program	Date 11/06/19		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name
738.0	17,845.0	Stryker Surveys (Original Hole)	MWD
			Description MWD v3:standard declination

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
566.0	1.10	341.20	565.7	-3.6	-4.3	-3.6	0.00	0.00	0.00	
First Stryker Surveys										
738.0	1.50	250.90	737.7	-2.8	-7.0	-2.8	1.08	0.23	-52.50	
927.0	0.90	352.70	926.6	-2.1	-9.5	-2.1	1.01	-0.32	53.86	
1,116.0	0.80	6.90	1,115.6	0.7	-9.5	0.7	0.12	-0.05	7.51	
1,305.0	1.00	322.20	1,304.6	3.3	-10.4	3.3	0.38	0.11	-23.65	
1,494.0	1.40	311.20	1,493.6	6.1	-13.1	6.1	0.24	0.21	-5.82	
1,683.0	1.70	305.10	1,682.5	9.2	-17.1	9.3	0.18	0.16	-3.23	
1,872.0	1.10	313.80	1,871.4	12.1	-20.8	12.1	0.34	-0.32	4.60	
2,061.0	0.60	7.00	2,060.4	14.3	-21.9	14.4	0.47	-0.26	28.15	
2,251.0	0.50	74.50	2,250.4	15.6	-21.0	15.6	0.32	-0.05	35.53	

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fuller 13/12 W1ED Fed Com #1H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	2958+28 @ 2986.0usft
Site:	Section 13 12-26S-29E Fuller	MD Reference:	2958+28 @ 2986.0usft
Well:	Fuller 13/12 W1ED Fed Com #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	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)
2,440.0	0.70	95.00	2,439.4	15.7	-19.1	15.7	0.15	0.11	10.85
2,629.0	1.70	115.70	2,628.4	14.4	-15.4	14.4	0.57	0.53	10.95
2,818.0	1.90	141.40	2,817.3	10.7	-10.9	10.7	0.44	0.11	13.60
3,015.0	0.70	172.80	3,014.2	6.9	-8.7	7.0	0.69	-0.61	15.94
3,137.0	0.40	248.60	3,136.2	6.1	-9.0	6.1	0.59	-0.25	62.13
3,326.0	0.70	271.50	3,325.2	5.8	-10.8	5.9	0.19	0.16	12.12
3,515.0	0.20	324.00	3,514.2	6.1	-12.1	6.2	0.32	-0.26	27.78
3,704.0	0.70	15.50	3,703.2	7.5	-12.0	7.5	0.32	0.26	27.25
3,894.0	0.50	338.50	3,893.2	9.4	-12.0	9.4	0.22	-0.11	-19.47
4,083.0	0.20	302.90	4,082.2	10.4	-12.6	10.4	0.19	-0.16	-18.84
4,272.0	0.20	23.60	4,271.2	10.8	-12.8	10.8	0.14	0.00	42.70
4,462.0	0.40	7.30	4,461.2	11.8	-12.5	11.8	0.11	0.11	-8.58
4,651.0	0.50	295.10	4,650.2	12.8	-13.2	12.8	0.28	0.05	-38.20
4,840.0	0.70	317.50	4,839.2	14.0	-14.7	14.0	0.16	0.11	11.85
5,029.0	0.30	293.60	5,028.1	15.1	-16.0	15.1	0.23	-0.21	-12.65
5,218.0	0.50	298.50	5,217.1	15.6	-17.1	15.7	0.11	0.11	2.59
5,407.0	0.20	262.60	5,406.1	16.0	-18.2	16.0	0.19	-0.16	-18.99
5,597.0	0.40	283.30	5,596.1	16.1	-19.2	16.1	0.12	0.11	10.89
5,786.0	1.10	135.50	5,785.1	15.0	-18.5	15.0	0.77	0.37	-78.20
5,975.0	1.30	138.60	5,974.1	12.1	-15.8	12.1	0.11	0.11	1.64
6,164.0	1.10	152.50	6,163.0	8.8	-13.6	8.9	0.19	-0.11	7.35
6,353.0	1.10	138.60	6,352.0	5.9	-11.5	5.9	0.14	0.00	-7.35
6,543.0	1.00	150.70	6,542.0	3.1	-9.5	3.1	0.13	-0.05	6.37
6,732.0	1.10	156.80	6,730.9	0.0	-8.0	0.0	0.08	0.05	3.23
6,921.0	1.10	110.60	6,919.9	-2.4	-5.6	-2.3	0.46	0.00	-24.44
7,110.0	0.40	143.50	7,108.9	-3.5	-3.5	-3.5	0.42	-0.37	17.41
7,300.0	0.50	310.30	7,298.9	-3.5	-3.7	-3.5	0.47	0.05	87.79
7,489.0	1.10	291.60	7,487.9	-2.3	-6.1	-2.3	0.34	0.32	-9.89
7,678.0	0.00	108.60	7,676.9	-1.6	-7.7	-1.6	0.58	-0.58	0.00
7,868.0	0.80	329.70	7,866.9	-0.5	-8.4	-0.5	0.42	0.42	0.00
8,057.0	0.10	83.20	8,055.9	0.7	-8.9	0.7	0.45	-0.37	60.05
8,246.0	0.60	65.60	8,244.8	1.1	-7.9	1.1	0.27	0.26	-9.31
8,436.0	0.60	246.60	8,434.8	1.1	-7.9	1.1	0.63	0.00	-94.21
8,626.0	1.10	176.80	8,624.8	-1.1	-8.7	-1.1	0.56	0.26	-36.74
8,815.0	1.50	176.40	8,813.8	-5.4	-8.4	-5.4	0.21	0.21	-0.21
9,005.0	1.70	204.20	9,003.7	-10.4	-9.4	-10.4	0.42	0.11	14.63
9,195.0	1.40	237.00	9,193.6	-14.3	-12.5	-14.3	0.48	-0.16	17.26
9,384.0	1.20	229.00	9,382.6	-16.8	-15.9	-16.8	0.14	-0.11	-4.23
9,574.0	1.40	246.90	9,572.5	-19.1	-19.6	-19.0	0.24	0.11	9.42
9,614.0	1.30	258.40	9,612.5	-19.3	-20.5	-19.3	0.72	-0.25	28.75
9,702.0	2.50	343.10	9,700.5	-17.7	-22.0	-17.7	3.08	1.36	96.25
9,749.0	8.50	358.90	9,747.3	-13.2	-22.4	-13.2	13.05	12.77	33.62
9,796.0	14.90	4.20	9,793.3	-3.7	-22.0	-3.7	13.79	13.62	11.28



Stryker Energy Directional Services

Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fuller 13/12 W1ED Fed Com #1H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	2958+28 @ 2986.0usft
Site:	Section 13 12-26S-29E Fuller	MD Reference:	2958+28 @ 2986.0usft
Well:	Fuller 13/12 W1ED Fed Com #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	EDM5000

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
9,843.0	20.20	6.50	9,838.1	10.4	-20.6	10.4	11.37	11.28	4.89	
9,891.0	25.10	6.00	9,882.3	28.7	-18.6	28.8	10.22	10.21	-1.04	
9,985.0	34.90	6.70	9,963.7	75.4	-13.4	75.4	10.43	10.43	0.74	
10,032.0	41.80	6.60	10,000.5	104.3	-10.0	104.3	14.68	14.68	-0.21	
10,080.0	45.50	4.80	10,035.2	137.3	-6.8	137.3	8.13	7.71	-3.75	
10,127.0	49.80	2.70	10,066.9	171.9	-4.5	171.9	9.73	9.15	-4.47	
10,176.0	55.00	0.50	10,096.8	210.7	-3.4	210.7	11.19	10.61	-4.49	
10,223.0	57.70	359.50	10,122.8	249.9	-3.5	249.9	6.01	5.74	-2.13	
10,271.0	60.20	359.70	10,147.6	291.0	-3.7	291.0	5.22	5.21	0.42	
10,318.0	61.60	359.60	10,170.4	332.0	-4.0	332.0	2.98	2.98	-0.21	
10,365.0	66.20	0.70	10,191.1	374.2	-3.9	374.2	10.01	9.79	2.34	
10,421.0	74.50	359.80	10,209.9	426.9	-3.7	426.9	14.90	14.82	-1.61	
10,511.0	81.20	1.00	10,228.8	514.9	-3.0	514.9	7.56	7.44	1.33	
10,558.0	80.90	0.90	10,236.1	561.3	-2.3	561.3	0.67	-0.64	-0.21	
10,701.0	79.30	1.20	10,260.7	702.1	0.3	702.1	1.14	-1.12	0.21	
10,795.0	85.00	3.20	10,273.6	795.1	3.9	795.1	6.42	6.06	2.13	
10,889.0	85.70	2.40	10,281.2	888.7	8.5	888.7	1.13	0.74	-0.85	
10,984.0	89.50	1.10	10,285.2	983.6	11.4	983.5	4.23	4.00	-1.37	
11,079.0	89.00	2.20	10,286.4	1,078.5	14.1	1,078.5	1.27	-0.53	1.16	
11,173.0	89.70	0.80	10,287.5	1,172.5	16.6	1,172.5	1.67	0.74	-1.49	
11,268.0	89.70	357.80	10,288.0	1,267.4	15.4	1,267.4	3.16	0.00	-3.16	
11,362.0	87.60	358.60	10,290.2	1,361.4	12.5	1,361.4	2.39	-2.23	0.85	
11,457.0	92.10	357.90	10,290.4	1,456.3	9.6	1,456.3	4.79	4.74	-0.74	
11,551.0	92.90	358.30	10,286.3	1,550.2	6.4	1,550.1	0.95	0.85	0.43	
11,646.0	91.30	357.20	10,282.9	1,645.0	2.7	1,645.0	2.04	-1.68	-1.16	
11,741.0	86.20	356.70	10,284.9	1,739.8	-2.3	1,739.8	5.39	-5.37	-0.53	
11,835.0	85.20	355.90	10,292.0	1,833.4	-8.4	1,833.4	1.36	-1.06	-0.85	
11,930.0	87.00	358.70	10,298.4	1,928.0	-12.8	1,928.0	3.50	1.89	2.95	
12,025.0	88.50	0.00	10,302.2	2,022.9	-13.9	2,023.0	2.09	1.58	1.37	
12,103.0	89.80	1.20	10,303.3	2,100.9	-13.1	2,100.9	2.27	1.67	1.54	
12,198.0	89.20	1.00	10,304.2	2,195.9	-11.3	2,195.9	0.67	-0.63	-0.21	
12,292.0	88.70	1.20	10,305.9	2,289.9	-9.5	2,289.9	0.57	-0.53	0.21	
12,387.0	88.20	1.00	10,308.4	2,384.8	-7.7	2,384.8	0.57	-0.53	-0.21	
12,481.0	86.70	0.50	10,312.6	2,478.7	-6.4	2,478.7	1.68	-1.60	-0.53	
12,576.0	90.70	2.30	10,314.8	2,573.6	-4.1	2,573.6	4.62	4.21	1.89	
12,671.0	91.50	1.70	10,313.0	2,668.6	-0.8	2,668.6	1.05	0.84	-0.63	
12,765.0	90.40	0.50	10,311.4	2,762.5	1.0	2,762.5	1.73	-1.17	-1.28	
12,860.0	89.90	1.20	10,311.2	2,857.5	2.4	2,857.5	0.91	-0.53	0.74	
12,955.0	89.20	1.40	10,311.9	2,952.5	4.6	2,952.5	0.77	-0.74	0.21	
13,049.0	87.80	1.40	10,314.4	3,046.4	6.9	3,046.4	1.49	-1.49	0.00	
13,151.0	88.50	0.60	10,317.6	3,148.4	8.7	3,148.3	1.04	0.69	-0.78	
13,246.0	92.40	359.10	10,316.9	3,243.3	8.4	3,243.3	4.40	4.11	-1.58	
13,340.0	92.80	359.30	10,312.6	3,337.2	7.1	3,337.2	0.48	0.43	0.21	



Stryker Energy Directional Services

Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fuller 13/12 W1ED Fed Com #1H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	2958+28 @ 2986.0usft
Site:	Section 13 12-26S-29E Fuller	MD Reference:	2958+28 @ 2986.0usft
Well:	Fuller 13/12 W1ED Fed Com #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	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)
13,435.0	92.50	359.40	10,308.2	3,432.1	6.0	3,432.1	0.33	-0.32	0.11
13,529.0	92.20	359.60	10,304.4	3,526.0	5.2	3,526.0	0.38	-0.32	0.21
13,624.0	92.70	0.60	10,300.3	3,620.9	5.4	3,620.9	1.18	0.53	1.05
13,718.0	90.80	0.90	10,297.5	3,714.9	6.6	3,714.9	2.05	-2.02	0.32
13,813.0	89.80	0.60	10,297.0	3,809.9	7.8	3,809.9	1.10	-1.05	-0.32
13,908.0	90.90	1.00	10,296.4	3,904.9	9.2	3,904.9	1.23	1.16	0.42
14,002.0	89.50	359.90	10,296.1	3,998.9	9.9	3,998.8	1.89	-1.49	-1.17
14,097.0	89.40	359.20	10,297.0	4,093.8	9.2	4,093.8	0.74	-0.11	-0.74
14,191.0	88.30	359.20	10,298.9	4,187.8	7.8	4,187.8	1.17	-1.17	0.00
14,286.0	87.90	359.20	10,302.0	4,282.8	6.5	4,282.8	0.42	-0.42	0.00
14,381.0	91.00	0.70	10,302.9	4,377.7	6.4	4,377.7	3.62	3.26	1.58
14,476.0	90.90	1.70	10,301.3	4,472.7	8.4	4,472.7	1.06	-0.11	1.05
14,570.0	87.40	358.80	10,302.7	4,566.7	8.8	4,566.7	4.83	-3.72	-3.09
14,665.0	89.10	357.40	10,305.6	4,661.6	5.7	4,661.6	2.32	1.79	-1.47
14,759.0	92.00	359.20	10,304.7	4,755.5	2.9	4,755.5	3.63	3.09	1.91
14,853.0	93.70	0.30	10,300.1	4,849.4	2.5	4,849.4	2.15	1.81	1.17
14,948.0	90.70	1.30	10,296.4	4,944.3	3.8	4,944.3	3.33	-3.16	1.05
15,043.0	90.10	2.20	10,295.8	5,039.2	6.7	5,039.2	1.14	-0.63	0.95
15,137.0	88.00	0.30	10,297.3	5,133.2	8.8	5,133.2	3.01	-2.23	-2.02
15,232.0	91.90	1.90	10,297.4	5,228.2	10.6	5,228.2	4.44	4.11	1.68
15,326.0	90.80	1.00	10,295.2	5,322.1	13.0	5,322.1	1.51	-1.17	-0.96
15,421.0	86.00	359.90	10,297.8	5,417.0	13.7	5,417.0	5.18	-5.05	-1.16
15,515.0	86.90	357.10	10,303.7	5,510.8	11.3	5,510.8	3.12	0.96	-2.98
15,610.0	89.80	357.80	10,306.4	5,605.7	7.0	5,605.7	3.14	3.05	0.74
15,705.0	89.30	358.80	10,307.1	5,700.6	4.2	5,700.6	1.18	-0.53	1.05
15,799.0	88.40	358.70	10,309.0	5,794.6	2.2	5,794.6	0.96	-0.96	-0.11
15,894.0	88.00	358.30	10,312.0	5,889.5	-0.3	5,889.5	0.60	-0.42	-0.42
15,988.0	93.00	356.70	10,311.2	5,983.4	-4.4	5,983.4	5.58	5.32	-1.70
16,084.0	92.40	356.70	10,306.7	6,079.1	-9.9	6,079.1	0.63	-0.63	0.00
16,179.0	92.40	357.70	10,302.7	6,173.9	-14.6	6,173.9	1.05	0.00	1.05
16,273.0	91.30	356.90	10,299.6	6,267.8	-19.0	6,267.8	1.45	-1.17	-0.85
16,368.0	91.60	1.00	10,297.2	6,362.7	-20.7	6,362.7	4.33	0.32	4.32
16,463.0	87.10	2.40	10,298.3	6,457.6	-17.9	6,457.6	4.96	-4.74	1.47
16,557.0	86.10	1.50	10,303.9	6,551.4	-14.7	6,551.4	1.43	-1.06	-0.96
16,652.0	87.80	1.10	10,308.9	6,646.2	-12.6	6,646.2	1.84	1.79	-0.42
16,746.0	89.60	0.30	10,311.1	6,740.2	-11.4	6,740.2	2.10	1.91	-0.85
16,841.0	91.00	0.10	10,310.6	6,835.2	-11.1	6,835.2	1.49	1.47	-0.21
16,936.0	92.10	0.60	10,308.0	6,930.1	-10.5	6,930.2	1.27	1.16	0.53
17,030.0	92.10	1.90	10,304.6	7,024.1	-8.5	7,024.1	1.38	0.00	1.38
17,125.0	90.70	2.80	10,302.2	7,118.9	-4.6	7,119.0	1.75	-1.47	0.95
17,219.0	89.90	2.40	10,301.8	7,212.9	-0.3	7,212.8	0.95	-0.85	-0.43
17,314.0	88.60	359.80	10,303.0	7,307.8	1.5	7,307.8	3.06	-1.37	-2.74
17,409.0	88.90	359.60	10,305.1	7,402.8	1.0	7,402.8	0.38	0.32	-0.21
17,503.0	88.20	359.50	10,307.5	7,496.8	0.3	7,496.8	0.75	-0.74	-0.11



Stryker Energy Directional Services
Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fuller 13/12 W1ED Fed Com #1H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	2958+28 @ 2986.0usft
Site:	Section 13 12-26S-29E Fuller	MD Reference:	2958+28 @ 2986.0usft
Well:	Fuller 13/12 W1ED Fed Com #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	EDM5000

Survey									
Measured Depth (usft)	Inclination (°)	Azinuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
17,598.0	88.40	0.20	10,310.3	7,591.7	0.0	7,591.7	0.77	0.21	0.74
17,692.0	84.70	358.60	10,315.9	7,685.5	-0.9	7,685.5	4.29	-3.94	-1.70
17,787.0	88.70	357.50	10,321.4	7,780.3	-4.2	7,780.3	4.37	4.21	-1.16
17,845.0	88.70	357.50	10,322.7	7,838.2	-6.7	7,838.2	0.00	0.00	0.00
17845.0' Projected to bit									

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
738.0	737.7	-2.8	-7.0	First Stryker Surveys
17,845.0	10,322.7	7,838.2	-6.7	17845.0' Projected to bit

Checked By: _____	Approved By: _____	Date: _____
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January 22, 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

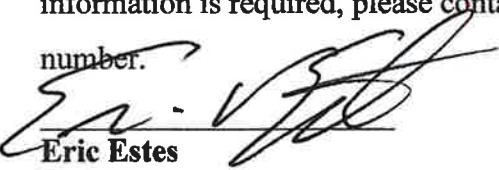
Re: Mewbourne Oil Company
Fuller 13 12 W1ED Federal Com #001H
Purple Sage; Wolfcamp
Eddy County, New Mexico
API# 30-015-44447

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>
Keith Broussard	Original Hole	738ft. to 17,787ft.	10-14-19 to 11-06-19	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 12 W1ED Fed Com #1H\M191178

STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.

P.O. Box 1250

Montgomery, TX 77356

Office (936) 582-7296 * Fax (936)-588-4163



January 22, 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 14, 2019, through November 6, 2019 conduct or supervise the taking of a SEDS Original Hole MWD Survey from a depth of 738feet to a depth of 17,787feet; 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 12 W1ED Federal Com #001H, well API # **30-015-44447** 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: Newbourne Oil Company
Project: Eddy County, N.M. Nad (83)
Site: Section 13 12-26S-29E Fuller
Well: Fuller 13/12 W1ED Fed Com #1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference:
TVD Reference: 2958+28 @ 2986.0usft
MD Reference: 2958+28 @ 2986.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM5000

Well Fuller 13/12 W1ED Fed Com #1H
2958+28 @ 2986.0usft
2958+28 @ 2986.0usft
Grid
Minimum Curvature
EDM5000

Project Eddy County, N.M. Nad (83)

Map System: US State Plane 1983
Geo Datum: North American Datum 1983
Map Zone: New Mexico Eastern Zone

System Datum: Mean Sea Level

Site Section 13 12-26S-29E Fuller

Site Position: Northing: 379,136.00 usft Latitude: 32° 2' 30.222 N
From: Easting: 661,850.90 usft Longitude: 103° 56' 39.806 W
Position Uncertainty: Map 0.0 usft Slot Radius: 13-3/16 " Grid Convergence: 0.21 "

Well Fuller 13/12 W1ED Fed Com #1H

Well Position +N/-S 0.0 usft Northing: 379,136.00 usft Latitude: 32° 2' 30.222 N
+E/-W 0.0 usft Easting: 661,850.90 usft Longitude: 103° 56' 39.806 W
Position Uncertainty 0.0 usft Wellhead Elevation: 28.0 usft Ground Level: 2,958.0 usft

Wellbore Original Hole

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	10/15/19	6.86	59.81	47,555.25107873

Design Original Hole

Audit Notes: 1.0
Version: Phase: ACTUAL Tie On Depth: 0.0

Vertical Section: Depth From (TVD) (usft) 0.0
+N/-S (usft) 0.0
+E/-W (usft) 0.0
Direction (°) 359.95

Survey Program Date 11/06/19

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
738.0	17,845.0	Stryker Surveys (Original Hole)	MWD	MWD v3-standard declination



Stryker Energy Directional Services

Survey Report Landscape



Company: Newbourne Oil Company
Project: Eddy County, N.M. Nad (83)
Site: Section 13 12-28S-29E Fuller
Well: Fuller 13/12 W1ED Fed Com #1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference:
TVD Reference: 2958+28 @ 2986.0usft
MD Reference: 2958+28 @ 2986.0usft
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)
First Stryker Surveys											
	566.0	1.10	341.20	565.7	-3.6	-4.3	5.6	230.06	0.00	379,132.40	661,846.60
	738.0	1.50	250.90	737.7	-2.8	-7.0	7.5	248.27	1.08	379,133.23	661,843.94
	927.0	0.90	352.70	926.6	-2.1	-9.5	9.7	257.46	1.01	379,133.89	661,841.41
	1,116.0	0.80	6.90	1,115.6	0.7	-9.5	9.5	274.04	0.12	379,136.67	661,841.38
	1,305.0	1.00	322.20	1,304.6	3.3	-10.4	10.9	287.58	0.38	379,139.28	661,840.53
	1,494.0	1.40	311.20	1,493.6	6.1	-13.1	14.5	294.97	0.24	379,142.11	661,837.78
	1,683.0	1.70	305.10	1,682.5	9.2	-17.1	19.5	298.32	0.18	379,145.24	661,833.75
	1,872.0	1.10	313.80	1,871.4	12.1	-20.8	24.0	300.27	0.34	379,148.11	661,830.15
	2,061.0	0.60	7.00	2,060.4	14.3	-21.9	26.2	303.18	0.47	379,150.35	661,828.96
	2,251.0	0.50	74.50	2,250.4	15.6	-21.0	26.1	308.50	0.32	379,151.56	661,829.88
	2,440.0	0.70	95.00	2,439.4	15.7	-19.1	24.7	309.41	0.15	379,151.68	661,831.83
	2,629.0	1.70	115.70	2,628.4	14.4	-15.4	21.1	313.00	0.57	379,150.36	661,835.50
	2,818.0	1.90	141.40	2,817.3	10.7	-10.9	15.3	314.41	0.44	379,146.69	661,839.98
	3,015.0	0.70	172.80	3,014.2	6.9	-8.7	11.2	308.52	0.69	379,142.95	661,842.17
	3,137.0	0.40	248.60	3,136.2	6.1	-9.0	10.9	303.83	0.59	379,142.05	661,841.87
	3,326.0	0.70	271.50	3,325.2	5.8	-10.8	12.3	298.41	0.19	379,141.84	661,840.1C
	3,515.0	0.20	324.00	3,514.2	6.1	-12.1	13.6	296.81	0.32	379,142.14	661,838.75
	3,704.0	0.70	15.50	3,703.2	7.5	-12.0	14.2	302.00	0.32	379,143.52	661,838.87
	3,894.0	0.50	338.50	3,893.2	9.4	-12.0	15.3	308.04	0.22	379,145.41	661,838.87
	4,083.0	0.20	302.90	4,082.2	10.4	-12.6	16.3	309.40	0.19	379,146.36	661,838.29
	4,272.0	0.20	23.60	4,271.2	10.8	-12.8	16.7	310.36	0.14	379,146.84	661,838.15
	4,462.0	0.40	7.30	4,461.2	11.8	-12.5	17.2	313.27	0.11	379,147.80	661,838.37
	4,651.0	0.50	295.10	4,650.2	12.8	-13.2	18.4	314.13	0.28	379,148.80	661,837.70
	4,840.0	0.70	317.50	4,839.2	14.0	-14.7	20.3	313.57	0.16	379,150.00	661,836.18
	5,029.0	0.30	293.60	5,028.1	15.1	-16.0	21.9	313.33	0.23	379,151.05	661,834.94
	5,218.0	0.50	298.50	5,217.1	15.6	-17.1	23.2	312.40	0.11	379,151.65	661,833.76



Stryker Energy Directional Services

Survey Report Landscape



Company: Mewbourne Oil Company
Project: Eddy County, N.M. Nad (83)
Site: Section 13 12-26S-29E Fuller
Well: Fuller 13/12 W1ED Fed Com #1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference:
TVD Reference: 2958+28 @ 2986.0usft
MD Reference: 2958+28 @ 2986.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM5000

Well Fuller 13/12 W1ED Fed Com #1H

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	D Leg (°/100usft)	Northing (usft)	Easting (usft)
	5,407.0	0.20	282.60	5,406.1	16.0	-18.2	24.2	311.33	0.19	379,152.00	661,832.71
	5,597.0	0.40	283.30	5,596.1	16.1	-19.2	25.0	310.05	0.12	379,152.11	661,831.74
	5,786.0	1.10	135.50	5,785.1	15.0	-18.5	23.8	308.92	0.77	379,150.96	661,832.37
	5,975.0	1.30	138.60	5,974.1	12.1	-15.8	19.9	307.28	0.11	379,148.06	661,835.06
	6,164.0	1.10	152.50	6,163.0	8.8	-13.6	16.2	303.06	0.19	379,144.84	661,837.31
	6,353.0	1.10	138.60	6,352.0	5.9	-11.5	13.0	298.96	0.14	379,141.87	661,839.35
	6,543.0	1.00	150.70	6,542.0	3.1	-9.5	10.0	287.80	0.13	379,139.06	661,841.37
	6,732.0	1.10	156.80	6,730.9	0.0	-8.0	8.0	269.68	0.08	379,135.95	661,842.89
	6,921.0	1.10	110.60	6,919.9	-2.4	-5.6	6.1	247.22	0.46	379,133.65	661,845.30
	7,110.0	0.40	143.50	7,108.9	-3.5	-3.5	5.0	224.90	0.42	379,132.48	661,847.39
	7,300.0	0.50	310.30	7,298.9	-3.5	-3.7	5.1	226.80	0.47	379,132.48	661,847.16
	7,489.0	1.10	291.60	7,487.9	-2.3	-6.1	6.5	249.09	0.34	379,133.68	661,844.84
	7,678.0	0.00	108.60	7,676.9	-1.6	-7.7	7.9	257.99	0.58	379,134.35	661,843.15
	7,868.0	0.80	329.70	7,866.9	-0.5	-8.4	8.4	266.58	0.42	379,135.50	661,842.48
	8,057.0	0.10	83.20	8,055.9	0.7	-8.9	8.9	274.21	0.45	379,136.66	661,841.98
	8,246.0	0.60	65.60	8,244.8	1.1	-7.9	7.9	277.86	0.27	379,137.08	661,843.05
	8,436.0	0.60	246.60	8,434.8	1.1	-7.9	7.9	277.97	0.63	379,137.10	661,843.04
	8,626.0	1.10	176.80	8,624.8	-1.1	-8.7	8.7	262.67	0.56	379,134.88	661,842.23
	8,815.0	1.50	176.40	8,813.8	-5.4	-8.4	10.0	237.33	0.21	379,130.60	661,842.48
	9,005.0	1.70	204.20	9,003.7	-10.4	-9.4	14.1	222.02	0.42	379,125.55	661,841.49
	9,195.0	1.40	237.00	9,193.6	-14.3	-12.5	19.0	221.23	0.48	379,121.72	661,838.38
	9,384.0	1.20	229.00	9,382.6	-16.8	-15.9	23.2	223.44	0.14	379,119.16	661,834.95
	9,574.0	1.40	246.90	9,572.5	-19.1	-19.6	27.3	225.78	0.24	379,116.95	661,831.32
	9,614.0	1.30	258.40	9,612.5	-19.3	-20.5	28.2	226.64	0.72	379,116.66	661,830.42
	9,702.0	2.50	343.10	9,700.5	-17.7	-22.0	28.2	231.19	3.08	379,118.30	661,828.89
	9,749.0	8.50	358.90	9,747.3	-13.2	-22.4	26.0	239.38	13.05	379,122.76	661,828.52
	9,796.0	14.90	4.20	9,793.3	-3.7	-22.0	22.3	260.37	13.79	379,132.27	661,828.90



Stryker Energy Directional Services

Survey Report Landscape



Company: Newbourne Oil Company
Project: Eddy County, N.M. Nad (83)
Site: Section 13 12-28S-29E Fuller
Well: Fuller 13/12 W1ED Fed Com #1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference:
TVD Reference: 2958+28 @ 2986.0usft
MD Reference: 2958+28 @ 2986.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM5000

Well Fuller 13/12 W1ED Fed Com #1H
2958+28 @ 2986.0usft
2958+28 @ 2986.0usft
Grid
Minimum Curvature
EDM5000

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	D Leg (°/100usft)	Northing (usft)	Easting (usft)
	9,843.0	20.20	6.50	9,838.1	10.4	-20.6	23.1	296.86	11.37	379,146.36	661,830.26
	9,891.0	25.10	6.00	9,882.3	28.7	-18.6	34.2	327.03	10.22	379,164.73	661,832.26
	9,985.0	34.90	6.70	9,963.7	75.4	-13.4	76.6	349.92	10.43	379,211.38	661,837.50
	10,032.0	41.80	6.60	10,000.5	104.3	-10.0	104.8	354.51	14.68	379,240.33	661,840.87
	10,080.0	45.50	4.80	10,035.2	137.3	-8.8	137.5	357.18	8.13	379,273.29	661,844.14
	10,127.0	49.90	2.70	10,066.9	171.9	-4.5	172.0	358.50	9.73	379,307.94	661,846.39
	10,176.0	55.00	0.50	10,096.8	210.7	-3.4	210.8	359.06	11.19	379,346.73	661,847.45
	10,223.0	57.70	359.50	10,122.8	249.9	-3.5	249.9	359.21	6.01	379,385.85	661,847.45
	10,271.0	60.20	359.70	10,147.6	291.0	-3.7	291.0	359.26	5.22	379,426.97	661,847.16
	10,318.0	61.60	359.60	10,170.4	332.0	-4.0	332.1	359.31	2.98	379,468.04	661,846.91
	10,365.0	66.20	0.70	10,191.1	374.2	-3.9	374.3	359.41	10.01	379,510.23	661,847.03
	10,421.0	74.50	359.80	10,209.9	426.9	-3.7	426.9	359.51	14.90	379,562.92	661,847.25
	10,511.0	81.20	1.00	10,228.8	514.9	-3.0	514.9	359.66	7.56	379,650.85	661,847.87
	10,558.0	80.90	0.90	10,236.1	561.3	-2.3	561.3	359.77	0.67	379,697.28	661,848.64
	10,701.0	79.30	1.20	10,260.7	702.1	0.3	702.1	0.03	1.14	379,838.12	661,851.22
	10,795.0	85.00	3.20	10,273.6	795.1	3.9	795.1	0.28	6.42	379,931.12	661,854.81
	10,889.0	85.70	2.40	10,281.2	888.7	8.5	888.7	0.55	1.13	380,024.70	661,859.36
	10,984.0	89.50	1.10	10,285.2	983.6	11.4	983.6	0.66	4.23	380,119.56	661,862.28
	11,079.0	89.00	2.20	10,286.4	1,078.5	14.1	1,078.6	0.75	1.27	380,214.51	661,865.01
	11,173.0	89.70	0.80	10,287.5	1,172.5	16.6	1,172.6	0.81	1.67	380,308.46	661,867.47
	11,268.0	89.70	357.80	10,288.0	1,267.4	15.4	1,267.5	0.70	3.16	380,403.45	661,866.31
	11,362.0	87.60	358.60	10,290.2	1,361.4	12.5	1,361.4	0.52	2.39	380,497.37	661,863.36
	11,457.0	92.10	357.90	10,290.4	1,456.3	9.6	1,456.3	0.38	4.79	380,592.30	661,860.46
	11,551.0	92.90	358.30	10,286.3	1,550.2	6.4	1,550.2	0.24	0.95	380,686.16	661,857.35
	11,646.0	91.30	357.20	10,282.9	1,645.0	2.7	1,645.0	0.09	2.04	380,781.01	661,853.62
	11,741.0	86.20	356.70	10,284.9	1,739.8	-2.3	1,739.8	359.92	5.39	380,875.82	661,848.57
	11,835.0	85.20	355.90	10,292.0	1,833.4	-8.4	1,833.4	359.74	1.36	380,969.36	661,842.52



Stryker Energy Directional Services

Survey Report Landscape



Company: Newbourne Oil Company
Project: Eddy County, N.M. Nad (83)
Site: Section 13 12-26S-28E Fuller
Well: Fuller 13/12 W1ED Fed Com #1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference:
TVD Reference: 2958+28 @ 2986.0usft
MD Reference: 2958+28 @ 2986.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM5000

Well Fuller 13/12 W1ED Fed Com #1H
2958+28 @ 2986.0usft
2958+28 @ 2986.0usft
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)
	11,930.0	87.00	356.70	10,298.4	1,928.0	-12.8	1,928.1	359.62	3.50	381,064.02	661,838.06
	12,025.0	88.50	0.00	10,302.2	2,022.9	-13.9	2,023.0	359.61	2.09	381,158.94	661,836.98
	12,103.0	89.80	1.20	10,303.3	2,100.9	-13.1	2,101.0	359.64	2.27	381,236.92	661,837.80
	12,198.0	89.20	1.00	10,304.2	2,195.9	-11.3	2,195.9	359.71	0.67	381,331.90	661,839.62
	12,292.0	88.70	1.20	10,305.9	2,289.9	-9.5	2,289.9	359.76	0.57	381,425.87	661,841.43
	12,387.0	88.20	1.00	10,308.4	2,384.8	-7.7	2,384.8	359.82	0.57	381,520.82	661,843.25
	12,481.0	86.70	0.50	10,312.6	2,478.7	-6.4	2,478.7	359.85	1.68	381,614.71	661,844.48
	12,576.0	90.70	2.30	10,314.8	2,573.6	-4.1	2,573.6	359.91	4.62	381,709.64	661,846.80
	12,671.0	91.50	1.70	10,313.0	2,668.6	-0.8	2,668.6	359.98	1.05	381,804.56	661,850.12
	12,765.0	90.40	0.50	10,311.4	2,762.5	1.0	2,762.5	0.02	1.73	381,898.53	661,851.92
	12,860.0	89.90	1.20	10,311.2	2,857.5	2.4	2,857.5	0.05	0.91	381,993.52	661,853.33
	12,955.0	89.20	1.40	10,311.9	2,952.5	4.6	2,952.5	0.09	0.77	382,088.49	661,855.48
	13,049.0	87.80	1.40	10,314.4	3,046.4	6.9	3,046.4	0.13	1.49	382,182.42	661,857.78
	13,151.0	88.50	0.60	10,317.6	3,148.4	8.7	3,148.4	0.16	1.04	382,284.35	661,859.56
	13,246.0	92.40	359.10	10,316.9	3,243.3	8.4	3,243.3	0.15	4.40	382,379.33	661,859.31
	13,340.0	92.80	359.30	10,312.6	3,337.2	7.1	3,337.2	0.12	0.48	382,473.22	661,858.00
	13,435.0	92.50	359.40	10,308.2	3,432.1	6.0	3,432.1	0.10	0.33	382,568.12	661,856.92
	13,529.0	92.20	359.60	10,304.4	3,526.0	5.2	3,526.0	0.08	0.38	382,662.03	661,856.10
	13,624.0	92.70	0.60	10,300.3	3,620.9	5.4	3,620.9	0.08	1.18	382,756.94	661,856.27
	13,718.0	90.80	0.90	10,297.5	3,714.9	6.6	3,714.9	0.10	2.05	382,850.89	661,857.50
	13,813.0	89.80	0.60	10,297.0	3,809.9	7.8	3,809.9	0.12	1.10	382,945.88	661,858.74
	13,908.0	90.90	1.00	10,296.4	3,904.9	9.2	3,904.9	0.13	1.23	383,040.86	661,860.07
	14,002.0	89.50	359.90	10,298.1	3,998.9	9.9	3,998.9	0.14	1.89	383,134.86	661,860.81
	14,097.0	89.40	359.20	10,297.0	4,093.8	9.2	4,093.9	0.13	0.74	383,229.85	661,860.06
	14,191.0	88.30	359.20	10,298.9	4,187.8	7.8	4,187.8	0.11	1.17	383,323.82	661,858.75
	14,286.0	87.90	359.20	10,302.0	4,282.8	6.5	4,282.8	0.09	0.42	383,418.76	661,857.42
	14,381.0	91.00	0.70	10,302.9	4,377.7	6.4	4,377.7	0.08	3.62	383,513.74	661,857.34



Stryker Energy Directional Services

Survey Report Landscape



Company: Newbourne Oil Company
Project: Eddy County, N.M. Nad (83)
Site: Section 13 12-26S-29E Fuller
Well: Fuller 13/12 W1ED Fed Com #1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Fuller 13/12 W1ED Fed Com #1H
TVD Reference: 2958+28 @ 2986.0usft
MD Reference: 2958+28 @ 2986.0usft
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 (°)	D Leg (°/100usft)	Northing (usft)	Easting (usft)
	14,476.0	90.90	1.70	10,301.3	4,472.7	8.4	4,472.7	0.11	1.06	383,608.70	661,859.33
	14,570.0	87.40	358.80	10,302.7	4,566.7	8.8	4,566.7	0.11	4.83	383,702.67	661,859.74
	14,665.0	89.10	357.40	10,305.6	4,661.6	5.7	4,661.6	0.07	2.32	383,797.57	661,856.59
	14,759.0	92.00	359.20	10,304.7	4,755.5	2.9	4,755.5	0.03	3.63	383,891.51	661,853.80
	14,853.0	93.70	0.30	10,300.1	4,849.4	2.5	4,849.4	0.03	2.15	383,985.38	661,853.39
	14,948.0	90.70	1.30	10,296.4	4,944.3	3.8	4,944.3	0.04	3.33	384,080.29	661,854.72
	15,043.0	90.10	2.20	10,295.8	5,039.2	6.7	5,039.2	0.08	1.14	384,175.25	661,857.62
	15,137.0	88.00	0.30	10,297.3	5,133.2	8.8	5,133.2	0.10	3.01	384,269.20	661,859.67
	15,232.0	91.90	1.90	10,297.4	5,228.2	10.6	5,228.2	0.12	4.44	384,364.16	661,861.49
	15,326.0	90.80	1.00	10,295.2	5,322.1	13.0	5,322.1	0.14	1.51	384,458.10	661,863.87
	15,421.0	86.00	359.90	10,297.8	5,417.0	13.7	5,417.1	0.15	5.18	384,553.03	661,864.62
	15,515.0	86.90	357.10	10,303.7	5,510.8	11.3	5,510.8	0.12	3.12	384,646.81	661,862.16
	15,610.0	89.80	357.80	10,306.4	5,605.7	7.0	5,605.7	0.07	3.14	384,741.67	661,857.94
	15,705.0	89.30	358.80	10,307.1	5,700.6	4.2	5,700.6	0.04	1.18	384,836.62	661,855.12
	15,799.0	88.40	358.70	10,309.0	5,794.6	2.2	5,794.6	0.02	0.96	384,930.58	661,853.07
	15,894.0	88.00	358.30	10,312.0	5,889.5	-0.3	5,889.5	360.00	0.60	385,025.50	661,850.58
	15,988.0	93.00	356.70	10,311.2	5,983.4	-4.4	5,983.4	359.96	5.58	385,119.37	661,846.49
	16,084.0	92.40	356.70	10,306.7	6,079.1	-9.9	6,079.1	359.91	0.62	385,215.11	661,840.97
	16,179.0	92.40	357.70	10,302.7	6,173.9	-14.6	6,173.9	359.86	1.05	385,309.91	661,836.33
	16,273.0	91.30	356.90	10,299.6	6,267.8	-19.0	6,267.8	359.83	1.45	385,403.75	661,831.90
	16,368.0	91.60	1.00	10,297.2	6,362.7	-20.7	6,362.7	359.81	4.33	385,498.69	661,830.16
	16,463.0	87.10	2.40	10,298.3	6,457.6	-17.9	6,457.6	359.84	4.96	385,593.61	661,832.98
	16,557.0	86.10	1.50	10,303.9	6,551.4	-14.7	6,551.4	359.87	1.43	385,687.39	661,836.17
	16,652.0	87.80	1.10	10,308.9	6,646.2	-12.6	6,646.2	359.89	1.84	385,782.23	661,838.33
	16,746.0	89.60	0.30	10,311.1	6,740.2	-11.4	6,740.2	359.90	2.10	385,876.19	661,839.47
	16,841.0	91.00	0.10	10,310.6	6,835.2	-11.1	6,835.2	359.91	1.49	385,971.19	661,839.80
	16,936.0	92.10	0.60	10,308.0	6,930.1	-10.5	6,930.2	359.91	1.27	386,066.15	661,840.38



Stryker Energy Directional Services

Survey Report Landscape



Company: Mewbourne Oil Company
Project: Eddy County, N.M. Nad (63)
Site: Section 13 12-28S-28E Fuller
Well: Fuller 13/12 WI/ED Fed Com #1H
Wellbore: Original Hole
Design: Original Hole

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

Well Fuller 13/12 WI/ED Fed Com #1H
2958+28 @ 2986.0usft
2958+28 @ 2986.0usft
Grid
Minimum Curvature
EDM5000

Survey									
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	D/Leg (°/100usft)	Easting (usft)
17,030.0	92.10	1.90	10,304.6	7,024.1	-8.5	7,024.1	359.93	1.38	661,842.43
17,125.0	90.70	2.80	10,302.2	7,118.9	-4.6	7,119.0	359.96	1.75	661,846.33
17,219.0	89.90	2.40	10,301.8	7,212.9	-0.3	7,212.9	360.00	0.95	661,850.59
17,314.0	88.60	359.80	10,303.0	7,307.8	1.5	7,307.8	0.01	3.06	661,852.42
17,409.0	88.90	359.60	10,305.1	7,402.8	1.0	7,402.8	0.01	0.38	661,851.92
17,503.0	88.20	359.50	10,307.5	7,496.8	0.3	7,496.8	0.00	0.75	661,851.16
17,598.0	88.40	0.20	10,310.3	7,591.7	0.0	7,591.7	0.00	0.77	661,850.93
17,692.0	84.70	358.60	10,315.9	7,685.5	-0.9	7,685.5	359.99	4.29	661,849.95
17,787.0	88.70	357.50	10,321.4	7,780.3	-4.2	7,780.3	359.97	4.37	661,846.72
17,845.0	88.70	357.50	10,322.7	7,838.2	-6.7	7,838.2	359.95	0.00	661,844.19
17845.0' Projected to bit									

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
738.0	737.7	-2.8	-7.0	First Stryker Surveys
17,845.0	10,322.7	7,838.2	-6.7	17845.0' Projected to bit

Checked By: _____

Approved By: _____

Date: _____