

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: 4/16/2020

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 30-015-43516		² Pool Code 98220	³ Pool Name Purple Sage; Wolfcamp (Gas)
⁴ Property Code 317659	⁵ Property Name FULLER 13/12 W1ED FED COM		⁶ Well Number 2H
⁷ GRID NO. 14744	⁸ Operator Name MEWBOURNE OIL COMPANY		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	390	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		3.17	NORTH	1002	WEST	EDDY

¹² Dedicated Acres 480	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
---	-------------------------------	----------------------------------	-------------------------

No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

¹⁶ <u>GEODETTIC DATA</u> NAD 83 GRID - NM EAST <u>SURFACE LOCATION</u> N: 379137.6 - E: 661880.9 LAT: 32.0417323° N LONG: 103.9442938° W <u>GEODETTIC DATA</u> NAD 83 GRID - NM EAST <u>BOTTOM HOLE</u> N: 386973.7 - E: 662475.9 LAT: 32.0632672° N LONG: 103.9422817° W <u>CORNER DATA</u> 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: <i>Jackie Lathan</i> Date: 03/17/2020 Printed Name: Jackie Lathan E-mail Address:
		¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. 10-11-18 Date of Survey Signature and Seal of Professional Surveyor 19680 Certificate Number

S 86°59'27" W 2536.51' S 87°02'10" W 2535.15'

Job No.: LS1711724R

RWP 5/8/2020

Intent ☐ As Drilled ☒

API # 30-015-43516		
Operator Name: Mewbourne Oil Company	Property Name: Fuller 13/12 W1ED Federal Com	Well Number #2H

Kick Off Point (KOP)

UL L	Section 13	Township 26S	Range 29E	Lot	Feet 2564	From N/S S	Feet 469	From E/W W	County Edley
Latitude 32.0416639					Longitude -103.9424247				NAD 83

First Take Point (FTP)

UL E	Section 13	Township 26S	Range 29E	Lot	Feet 2322	From N/S N	Feet 487	From E/W W	County Edley
Latitude 32.0430086					Longitude -103.9423572				NAD 83

Last Take Point (LTP)

UL D	Section 12	Township 26S	Range 29E	Lot	Feet 377	From N/S N	Feet 1002	From E/W W	County Edley
Latitude 32.0631400					Longitude -103.9422447				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 # 30-015-44447		
Operator Name: Mewbourne Oil Co	Property Name: Fuller 13/12 W1ED Fed Com	Well Number 2H

KZ 06/29/2018



COMPANY: Mewbourne Oil Company
WELL: Fuller 13/12 W1ED Fed Com #2H
COUNTY: Eddy County, N.M. Nad (83)
DATUM: North American Datum 1983



RIG: Patterson #560
GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 6.67°

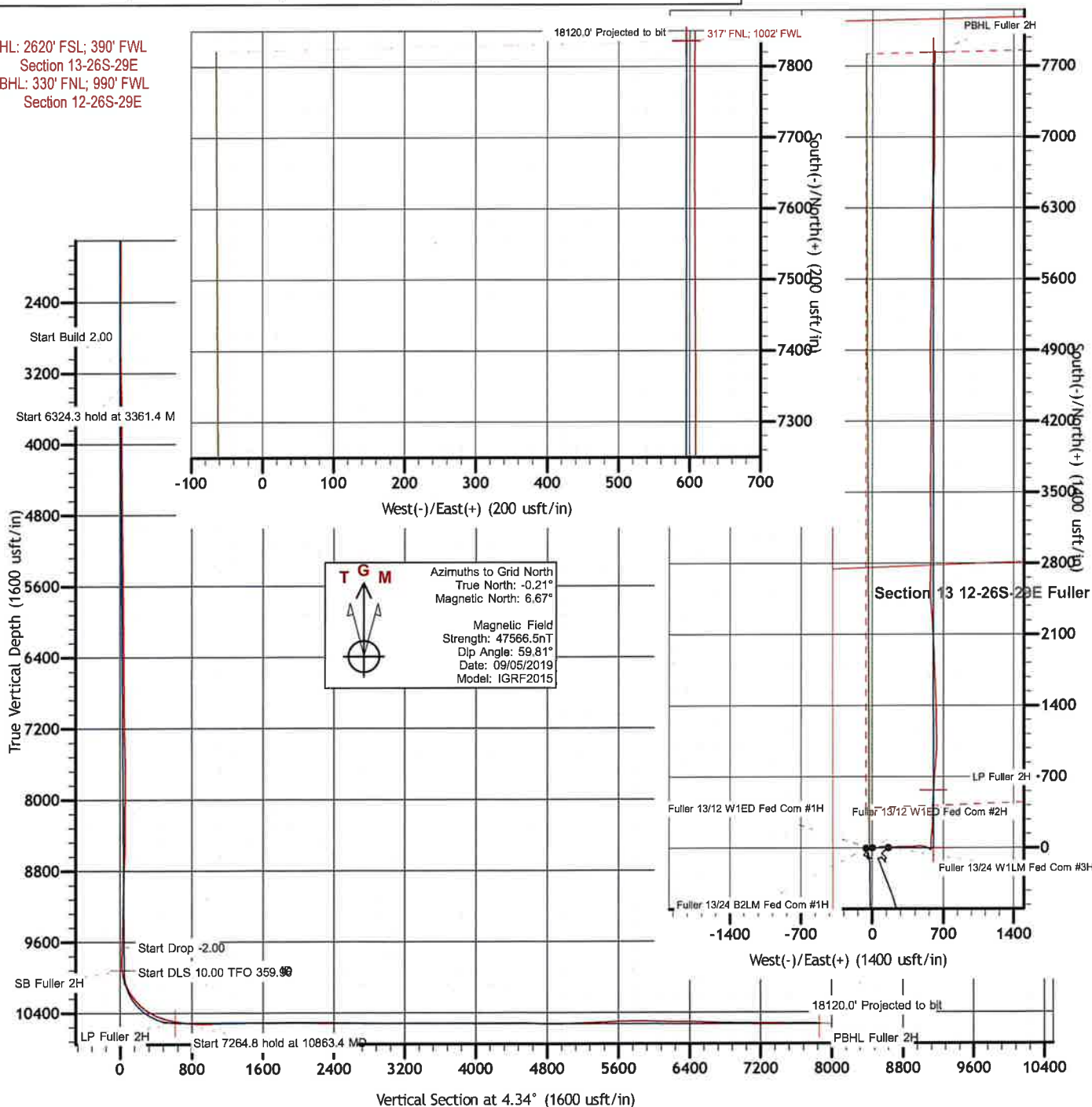
GEODETIC ZONE: New Mexico Eastern Zone
2958+28 @ 2986.0usft
GROUND ELEVATION: 2958.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	379137.60	661880.90	32° 2' 30.236 N	103° 56' 39.457 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	3100.0	0.00	0.00	3100.0	0.0	0.0	0.00	0.00	0.0	
3	3361.4	5.23	90.00	3361.0	0.0	11.9	2.00	90.00	0.9	
4	9685.7	5.23	90.00	9685.0	0.0	588.1	0.00	0.00	44.5	
5	9947.0	0.00	0.00	9920.0	0.0	600.0	2.00	180.00	45.4	SB Fuller 2H
6	9965.0	0.00	0.00	9938.0	0.0	600.0	0.00	0.00	45.4	
7	10863.4	89.84	359.96	10511.0	571.4	599.6	10.00	359.96	615.1	
8	18128.2	89.84	359.96	10531.0	7836.1	595.0	0.00	0.00	7858.7	PBHL Fuller 2H

SHL: 2620' FSL; 390' FWL
Section 13-26S-29E
PBHL: 330' FNL; 990' FWL
Section 12-26S-29E





March 6, 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 #002H
Purple Sage; Wolfcamp
Eddy County, New Mexico
API# 30-015-43516

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>
Victor Anguiano	Original Hole	837ft. to 18,120ft.	09-19-19 to 10-09-19	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.

A handwritten signature in black ink, appearing to read "Eric Estes", is written over a horizontal line.

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 #2HM191177

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



March 6, 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 September 19, 2019, through October 9, 2019 conduct or supervise the taking of a SEDS Original Hole MWD Survey from a depth of 837feet to a depth of 18,120feet; 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 #002H, well API # **30-015-43516** 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 13 12-26S-29E Fuller
Well: Fuller 13/12 W1ED Fed Com #2H
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 Program **Date** 10/10/19

From **To** **Survey (Wellbore)**
(usft) (usft)

Description

Tool Name

surface readout gyro multishot
MWD v3: standard declination

SRG-GYRO-MS
MWD

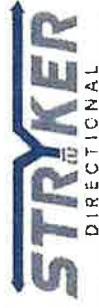
Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
0.0	0.00	0.00	0.00	0.0	0.0	0.0	0.00	0.00	379,137.60	661,880.90
100.0	0.17	97.10	100.0	0.0	0.1	0.1	97.10	0.17	379,137.58	661,881.05
200.0	0.38	167.34	200.0	-0.4	0.4	0.4	134.46	0.36	379,137.24	661,881.27
300.0	1.25	205.59	300.0	-1.7	0.0	0.0	181.08	0.98	379,135.93	661,880.87
400.0	0.67	207.09	400.0	-3.2	-0.8	-0.8	193.62	0.58	379,134.43	661,880.13
500.0	1.31	206.45	500.0	-4.7	-1.5	-1.5	198.13	0.64	379,132.88	661,879.36
600.0	2.10	206.31	599.9	-7.4	-2.9	-2.9	201.21	0.79	379,130.22	661,878.03
655.0	2.43	207.58	654.9	-9.3	-3.9	-3.9	202.46	0.61	379,128.28	661,877.05
First Stryker Surveys										
837.0	1.90	220.90	836.7	-15.0	-7.6	-7.6	206.88	0.40	379,122.58	661,873.29
1,027.0	2.20	17.20	1,026.7	-13.9	-8.6	-8.6	211.71	2.11	379,123.68	661,872.30
1,216.0	2.10	14.30	1,215.6	-7.1	-6.7	-6.7	223.23	0.08	379,130.51	661,874.23
1,405.0	2.00	4.70	1,404.4	-0.5	-5.5	-5.5	285.34	0.19	379,137.15	661,875.36
1,594.0	2.20	344.70	1,593.3	6.3	-6.2	-6.2	315.47	0.40	379,143.93	661,874.67
1,782.0	0.70	118.60	1,781.3	9.3	-6.2	-6.2	326.32	1.45	379,146.87	661,874.72
1,972.0	0.40	176.40	1,971.3	8.0	-5.1	-5.1	327.56	0.31	379,145.65	661,875.79
2,161.0	3.10	91.70	2,160.2	7.2	0.0	0.0	0.29	1.63	379,144.84	661,880.94
2,350.0	3.30	101.30	2,348.9	6.0	10.5	10.5	60.12	0.30	379,143.62	661,891.38
2,539.0	4.10	106.90	2,537.5	3.0	22.3	22.3	82.36	0.46	379,140.59	661,903.18
2,729.0	3.70	92.90	2,727.1	0.7	34.9	34.9	88.84	0.54	379,138.31	661,915.80
2,918.0	3.20	85.30	2,915.7	0.8	46.2	46.2	88.97	0.36	379,138.43	661,927.15



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 #2H
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 #2H

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)
	3,028.0	2.50	65.00	3,025.6	2.1	51.5	51.5	87.67	1.11	379,138.69	661,932.38
	3,140.0	2.40	59.70	3,137.5	4.3	55.7	55.9	85.58	0.22	379,141.91	661,936.62
	3,333.0	6.20	80.10	3,329.9	8.1	69.5	70.0	83.32	2.09	379,145.74	661,950.38
	3,522.0	6.30	76.70	3,517.8	12.3	89.6	90.5	82.20	0.20	379,149.88	661,970.53
	3,711.0	6.10	98.40	3,705.7	13.2	109.7	110.4	83.14	1.24	379,150.80	661,990.56
	3,900.0	5.80	96.90	3,893.7	10.6	129.1	129.5	85.31	0.18	379,148.19	662,009.97
	4,090.0	5.10	95.00	4,082.8	8.7	147.0	147.3	86.61	0.38	379,146.30	662,027.92
	4,279.0	5.00	90.60	4,271.1	7.9	163.6	163.8	87.24	0.21	379,145.48	662,044.52
	4,469.0	4.70	85.20	4,460.4	8.4	179.7	179.9	87.31	0.29	379,146.04	662,060.56
	4,658.0	6.20	86.60	4,648.6	9.3	197.6	197.8	87.29	0.81	379,146.94	662,078.48
	4,847.0	5.30	88.80	4,836.6	9.8	216.5	216.7	87.42	0.48	379,147.37	662,097.41
	5,036.0	4.70	87.70	5,024.9	10.3	233.0	233.2	87.48	0.32	379,147.87	662,113.87
	5,225.0	6.00	86.30	5,213.1	11.2	250.6	250.8	87.44	0.69	379,148.82	662,131.47
	5,414.0	5.60	86.50	5,401.1	12.4	269.6	269.9	87.36	0.21	379,150.02	662,150.53
	5,603.0	5.20	90.20	5,589.2	12.9	287.4	287.7	87.42	0.28	379,150.55	662,166.30
	5,793.0	4.40	91.60	5,778.6	12.7	303.3	303.6	87.60	0.43	379,150.32	662,184.19
	5,982.0	5.70	88.90	5,966.8	12.7	319.9	320.2	87.73	0.70	379,150.29	662,200.82
	6,171.0	5.30	88.50	6,155.0	13.1	338.0	338.3	87.78	0.21	379,150.70	662,218.93
	6,360.0	4.80	89.50	6,343.2	13.4	354.7	354.9	87.84	0.27	379,151.00	662,235.57
	6,549.0	4.40	90.30	6,531.6	13.4	369.8	370.1	87.92	0.21	379,151.03	662,250.73
	6,738.0	5.60	87.30	6,719.9	13.8	386.3	386.5	87.95	0.65	379,151.43	662,267.19
	6,928.0	4.00	90.30	6,909.2	14.2	402.2	402.4	87.97	0.85	379,151.83	662,283.08
	7,117.0	4.00	84.60	7,097.8	14.8	415.3	415.6	87.96	0.21	379,152.41	662,296.23
	7,306.0	4.90	79.20	7,286.2	16.9	429.8	430.2	87.74	0.52	379,154.55	662,310.72
	7,495.0	4.40	78.80	7,474.6	19.9	444.9	445.3	87.44	0.27	379,157.47	662,325.76
	7,684.0	2.50	86.80	7,663.2	21.5	456.1	456.6	87.30	1.03	379,159.11	662,336.99
	7,873.0	5.10	97.30	7,851.8	20.7	468.5	469.0	87.47	1.42	379,158.27	662,349.44



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 #2H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Fuller 13/12 W1ED Fed Com #2H
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)
	8,062.0	4.00	98.60	8,040.2	18.6	483.4	483.8	87.79	0.58	379,156.22	662,364.29
	8,252.0	5.20	91.40	8,229.6	17.4	498.6	498.9	88.00	0.70	379,155.01	662,379.45
	8,441.0	3.60	103.50	8,418.0	15.8	512.9	513.1	88.23	0.97	379,153.42	662,393.79
	8,631.0	3.60	125.10	8,607.7	11.0	523.6	523.7	88.80	0.71	379,148.60	662,404.47
	8,821.0	3.40	121.10	8,797.3	4.7	533.3	533.3	89.50	0.17	379,142.26	662,414.17
	9,010.0	3.60	113.00	8,986.0	-0.8	543.5	543.5	90.06	0.28	379,137.04	662,424.43
	9,200.0	3.90	117.40	9,175.5	-5.9	554.8	554.8	90.61	0.22	379,131.74	662,435.68
	9,390.0	3.50	120.90	9,365.2	-11.8	565.5	565.6	91.20	0.24	379,125.79	662,446.37
	9,580.0	2.20	130.90	9,554.9	-17.2	573.2	573.5	91.72	0.73	379,120.42	662,454.11
	9,769.0	1.60	138.90	9,743.8	-21.5	577.7	578.1	92.14	0.35	379,116.06	662,458.58
	9,846.0	1.40	146.80	9,820.8	-23.1	578.9	579.4	92.29	0.37	379,114.46	662,459.81
	9,930.0	1.70	345.90	9,904.8	-22.8	579.2	579.6	92.25	3.64	379,114.81	662,460.06
	9,978.0	7.80	356.90	9,952.6	-18.8	578.8	579.1	91.86	12.79	379,118.76	662,459.71
	10,025.0	15.60	358.00	9,998.6	-9.3	578.4	578.5	90.92	16.60	379,128.27	662,458.32
	10,073.0	20.40	357.80	10,044.2	5.5	577.9	577.9	89.46	10.00	379,143.09	662,458.77
	10,120.0	24.50	359.30	10,087.6	23.4	577.4	577.9	87.68	8.81	379,161.03	662,458.34
	10,168.0	28.10	1.70	10,130.7	44.7	577.7	579.4	85.58	7.82	379,182.29	662,458.55
	10,215.0	31.40	2.80	10,171.5	68.0	578.6	582.6	83.30	7.12	379,205.59	662,459.48
	10,263.0	34.80	4.50	10,211.7	94.1	580.3	587.9	80.78	7.34	379,231.74	662,461.17
	10,310.0	38.60	4.20	10,249.3	122.1	582.4	595.1	78.16	8.08	379,259.74	662,463.29
	10,357.0	42.70	4.50	10,285.0	152.7	584.7	604.3	75.37	8.73	379,290.26	662,465.62
	10,404.0	47.30	5.00	10,318.2	185.8	587.5	616.1	72.45	9.82	379,323.37	662,468.38
	10,452.0	51.30	3.20	10,349.5	222.1	590.1	630.5	69.38	8.80	379,359.66	662,470.96
	10,499.0	54.90	2.20	10,377.7	259.6	591.8	646.3	66.32	7.85	379,397.20	662,472.72
	10,547.0	59.60	1.80	10,403.7	299.9	593.2	664.7	63.18	9.82	379,437.53	662,474.13
	10,594.0	65.20	1.50	10,425.5	341.6	594.4	685.6	60.12	11.93	379,479.15	662,475.32
	10,642.0	70.10	1.40	10,443.7	385.9	595.5	709.7	57.06	10.21	379,523.52	662,476.44



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 #2H
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 #2H

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
	10,673.0	72.40		10,453.7	415.3	596.3	726.7	55.15	7.48	379,552.86	662,477.24
	10,779.0	77.80		10,480.9	517.6	600.4	792.7	49.24	5.19	379,655.18	662,481.27
	10,873.0	79.90		10,499.1	609.7	605.4	859.2	44.80	2.35	379,747.26	662,486.34
	10,968.0	82.60		10,513.5	703.3	611.5	932.0	41.00	2.87	379,840.95	662,492.40
	11,013.0	85.00		10,518.4	748.0	614.7	988.2	39.42	5.45	379,885.56	662,495.64
	11,062.0	86.90		10,521.9	796.7	618.4	1,008.6	37.82	3.88	379,934.30	662,499.35
	11,108.0	89.80		10,523.2	842.5	622.0	1,047.3	36.44	6.34	379,980.13	662,502.91
	11,157.0	92.50		10,522.2	891.4	625.9	1,089.2	35.08	5.51	380,028.96	662,506.84
	11,251.0	92.20		10,518.4	965.1	631.3	1,170.1	32.66	2.78	380,122.72	662,512.25
	11,346.0	90.80		10,515.9	1,080.1	632.0	1,251.4	30.33	3.68	380,217.67	662,512.91
	11,440.0	90.80		10,514.6	1,174.0	629.5	1,332.1	28.20	0.74	380,311.63	662,510.37
	11,535.0	91.20		10,512.9	1,269.0	627.5	1,415.6	26.31	1.53	380,406.59	662,508.38
	11,630.0	90.90		10,511.2	1,364.0	627.1	1,501.2	24.69	0.61	380,501.57	662,507.96
	11,725.0	90.50		10,510.0	1,458.9	625.1	1,587.2	23.19	2.58	380,596.54	662,505.97
	11,819.0	90.60		10,509.1	1,552.8	621.0	1,672.4	21.80	0.24	380,690.44	662,501.87
	11,914.0	90.60		10,508.1	1,647.7	616.7	1,759.4	20.52	0.11	380,785.34	662,497.85
	12,008.0	90.40		10,507.3	1,741.6	612.6	1,846.3	19.38	0.21	380,879.25	662,493.55
	12,103.0	89.50		10,507.4	1,836.6	608.3	1,934.7	18.33	0.97	380,974.15	662,489.24
	12,198.0	90.20		10,507.6	1,931.5	604.4	2,023.8	17.38	0.97	381,069.07	662,485.26
	12,292.0	89.70		10,507.7	2,025.4	600.8	2,112.6	16.52	0.54	381,163.00	662,481.73
	12,387.0	89.50		10,508.4	2,120.3	596.2	2,202.5	15.71	1.28	381,257.88	662,477.09
	12,482.0	89.50		10,509.2	2,215.1	590.1	2,292.3	14.92	0.63	381,352.68	662,470.96
	12,576.0	89.50		10,510.0	2,308.8	582.9	2,381.2	14.17	0.85	381,446.40	662,463.75
	12,671.0	89.70		10,510.7	2,403.5	575.0	2,471.3	13.45	0.24	381,541.07	662,455.89
	12,766.0	88.00		10,512.6	2,498.3	569.8	2,562.4	12.85	3.72	381,635.89	662,450.87
	12,860.0	88.70		10,515.3	2,592.2	568.7	2,653.9	12.37	2.15	381,729.84	662,449.60
	12,955.0	89.50		10,516.8	2,687.2	570.4	2,747.1	11.98	1.70	381,824.81	662,451.26



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 #2H
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 #2H

Survey	MD (usft)	Inc (°)	Azi (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	D Leg (°/100usft)	Northing (usft)	Easting (usft)
	13,049.0	89.40	2.40	10,517.7	2,781.1	573.7	2,839.7	11.66	0.75	381,916.75	662,454.62
	13,144.0	89.80	1.20	10,518.3	2,876.1	576.7	2,933.3	11.34	1.33	382,013.70	662,457.60
	13,239.0	90.50	359.40	10,518.1	2,971.1	577.2	3,026.6	10.99	2.03	382,108.69	662,458.10
	13,333.0	90.80	359.20	10,517.0	3,065.1	576.1	3,118.7	10.64	0.38	382,202.88	662,456.95
	13,428.0	90.20	358.40	10,516.2	3,160.1	574.1	3,211.8	10.30	1.05	382,297.65	662,454.96
	13,522.0	89.90	358.40	10,516.1	3,254.0	571.4	3,303.8	9.96	0.32	382,391.61	662,452.34
	13,617.0	90.20	358.60	10,516.0	3,349.0	569.8	3,397.1	9.66	1.30	382,486.60	662,450.88
	13,712.0	90.00	0.00	10,515.9	3,444.0	569.4	3,490.8	9.39	0.47	382,581.60	662,450.35
	13,806.0	89.70	0.50	10,516.1	3,538.0	569.9	3,583.6	9.15	0.62	382,675.80	662,450.78
	13,901.0	89.90	1.00	10,516.4	3,633.0	571.1	3,677.6	8.93	0.57	382,770.59	662,452.00
	13,995.0	89.30	0.30	10,517.1	3,727.0	572.2	3,770.6	8.73	0.98	382,864.58	662,453.07
	14,090.0	89.50	0.50	10,518.1	3,822.0	572.8	3,864.7	8.52	0.30	382,959.57	662,453.73
	14,185.0	90.00	0.80	10,518.5	3,917.0	573.9	3,958.8	8.34	0.61	383,054.56	662,454.81
	14,279.0	90.20	0.80	10,518.3	4,011.0	575.2	4,052.0	8.16	0.21	383,148.55	662,456.12
	14,374.0	89.70	0.40	10,518.4	4,105.9	576.2	4,146.2	7.99	0.67	383,243.55	662,457.12
	14,468.0	90.10	359.60	10,518.6	4,199.9	576.2	4,239.3	7.81	0.95	383,337.55	662,457.12
	14,563.0	90.00	358.90	10,518.5	4,294.9	575.0	4,333.3	7.63	0.74	383,432.54	662,455.87
	14,658.0	89.70	358.90	10,518.8	4,389.9	573.2	4,427.2	7.44	0.32	383,527.52	662,454.05
	14,752.0	89.60	359.20	10,519.3	4,483.9	571.6	4,520.2	7.26	0.34	383,621.50	662,452.49
	14,847.0	89.50	359.60	10,520.1	4,578.9	570.6	4,614.3	7.10	0.43	383,716.50	662,451.50
	14,941.0	88.20	358.90	10,522.0	4,672.9	569.4	4,707.4	6.95	1.57	383,810.47	662,450.27
	15,036.0	88.70	359.60	10,524.5	4,767.8	568.1	4,801.6	6.80	0.91	383,905.42	662,449.02
	15,130.0	88.50	359.80	10,526.8	4,861.8	567.6	4,894.8	6.66	0.30	383,999.39	662,448.53
	15,225.0	91.10	1.00	10,527.2	4,956.8	568.3	4,989.3	6.54	3.01	384,094.38	662,449.20
	15,319.0	92.20	1.40	10,524.5	5,050.7	570.3	5,082.8	6.44	1.25	384,188.32	662,451.16
	15,414.0	92.70	1.10	10,520.4	5,145.6	572.3	5,177.3	6.35	0.61	384,283.21	662,453.23
	15,508.0	93.60	1.00	10,515.2	5,239.5	574.1	5,270.8	6.25	0.96	384,377.05	662,454.95



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 #2H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Fuller 13/12 W1ED Fed Com #2H
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)
18,120.0	89.00	0.20	10,526.0	7,849.8	606.9	7,873.2	4.42	0.00	386,987.42	662,487.76
18120.0' Projected to bit										



Mewbourne Oil Company

Eddy County, N.M. Nad (83)

Section 13 12-26S-29E Fuller

Fuller 13/12 W1ED Fed Com #2H

Original Hole

Design: Original Hole

Standard Survey Report

10 October, 2019





Stryker Energy Directional Services

Survey Report Landscape



Company: Mewbourne Oil Company
Project: Eddy County, N.M. Nad (83)
Site: Section 13 12-28S-29E Fuller
Well: Fuller 13/12 W1ED Fed Com #2H
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 #2H

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
	15,603.0	94.30	1.00	10,508.7	5,334.2	575.7	5,365.2	6.16	0.74	384,471.81	662,456.61
	15,998.0	91.50	0.10	10,503.9	5,429.1	576.6	5,459.6	6.06	3.10	384,566.67	662,457.52
	15,792.0	92.00	1.30	10,501.0	5,523.0	577.8	5,553.2	5.97	1.38	384,660.62	662,458.67
	15,887.0	92.00	0.40	10,497.7	5,618.0	579.2	5,647.7	5.89	0.95	384,755.55	662,460.07
	15,981.0	91.90	359.60	10,494.5	5,711.9	579.2	5,741.2	5.79	0.86	384,849.50	662,460.07
	16,089.0	88.70	0.20	10,493.9	5,819.9	579.0	5,848.6	5.68	3.01	384,957.48	662,459.89
	16,184.0	88.70	0.50	10,496.1	5,914.9	579.6	5,943.2	5.60	0.32	385,052.45	662,460.47
	16,278.0	88.20	0.40	10,498.6	6,008.8	580.3	6,036.8	5.52	0.54	385,146.42	662,461.20
	16,373.0	87.80	1.00	10,501.9	6,103.8	581.5	6,131.4	5.44	0.76	385,241.35	662,462.36
	16,468.0	89.10	1.30	10,504.5	6,198.7	583.4	6,226.1	5.38	1.40	385,336.29	662,464.27
	16,562.0	90.00	2.50	10,505.2	6,292.6	586.5	6,319.9	5.32	1.60	385,430.24	662,467.39
	16,657.0	90.60	3.10	10,504.7	6,387.5	591.1	6,414.8	5.29	0.89	385,525.12	662,472.03
	16,751.0	87.90	1.70	10,506.0	6,481.4	595.1	6,508.7	5.25	3.24	385,619.02	662,475.96
	16,846.0	87.50	2.10	10,509.8	6,576.3	598.2	6,603.4	5.20	0.60	385,713.89	662,479.11
	16,941.0	87.10	3.10	10,514.3	6,671.1	602.5	6,698.2	5.16	1.13	385,808.69	662,483.41
	17,035.0	88.60	2.20	10,517.8	6,764.9	606.9	6,792.1	5.13	1.86	385,902.52	662,487.76
	17,130.0	90.60	0.30	10,518.5	6,859.9	608.9	6,886.9	5.07	2.90	385,997.48	662,489.83
	17,225.0	89.80	359.60	10,518.1	6,954.9	608.8	6,981.5	5.00	1.12	386,092.48	662,489.75
	17,319.0	88.80	359.80	10,519.3	7,048.9	608.4	7,075.1	4.93	1.08	386,186.47	662,489.25
	17,414.0	89.30	0.10	10,520.8	7,143.9	608.3	7,169.7	4.87	0.61	386,281.46	662,489.17
	17,509.0	89.70	0.20	10,521.7	7,238.9	608.5	7,264.4	4.81	0.43	386,376.45	662,489.42
	17,603.0	89.90	359.90	10,522.0	7,332.9	608.6	7,358.1	4.74	0.38	386,470.45	662,489.50
	17,697.0	89.70	359.60	10,522.3	7,426.9	608.2	7,451.7	4.68	0.38	386,564.45	662,489.09
	17,792.0	89.80	359.50	10,522.7	7,521.8	607.4	7,546.3	4.62	0.15	386,659.45	662,488.34
	17,887.0	89.90	359.60	10,523.0	7,616.8	606.7	7,641.0	4.55	0.15	386,754.44	662,487.60
	17,981.0	89.20	0.10	10,523.7	7,710.8	606.5	7,734.7	4.50	0.92	386,848.44	662,487.35
	18,069.0	89.00	0.20	10,525.1	7,798.8	606.7	7,822.4	4.45	0.25	386,936.43	662,487.58



Stryker Energy Directional Services

Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fuller 13/12 W1ED Fed Com #2H
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 #2H	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	Latitude:	32° 2' 30.222 N
From:	Map	Easting:	661,850.90 usft	Longitude:	103° 56' 39.806 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.21 °

Well	Fuller 13/12 W1ED Fed Com #2H				
Well Position	+N/-S	0.0 usft	Northing:	379,137.60 usft	Latitude: 32° 2' 30.236 N
	+E/-W	0.0 usft	Easting:	661,880.90 usft	Longitude: 103° 56' 39.457 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	09/05/19	6.87	59.81	47,566.45556267

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)	Direction (°)	
	0.0	0.0	0.0	4.42	

Survey Program	Date	10/10/19			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
100.0	655.0	Gyro Surveys (Original Hole)	SRG-GYRO-MS	surface readout gyro multishot	
837.0	18,120.0	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	0.17	97.10	100.0	0.0	0.1	0.0	0.17	0.17	0.00
200.0	0.38	167.34	200.0	-0.4	0.4	-0.3	0.36	0.21	70.24
300.0	1.25	205.59	300.0	-1.7	0.0	-1.7	0.98	0.87	38.25
400.0	0.67	207.09	400.0	-3.2	-0.8	-3.2	0.58	-0.58	1.50
500.0	1.31	206.45	500.0	-4.7	-1.5	-4.8	0.64	0.64	-0.64
600.0	2.10	206.31	599.9	-7.4	-2.9	-7.6	0.79	0.79	-0.14
655.0	2.43	207.58	654.9	-9.3	-3.9	-9.6	0.61	0.60	2.31
First Stryker Surveys									
837.0	1.90	220.90	836.7	-15.0	-7.6	-15.6	0.40	-0.29	7.32



Stryker Energy Directional Services

Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fuller 13/12 W1ED Fed Com #2H
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 #2H	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)
1,027.0	2.20	17.20	1,026.7	-13.9	-8.6	-14.5	2.11	0.16	82.26
1,216.0	2.10	14.30	1,215.6	-7.1	-6.7	-7.6	0.08	-0.05	-1.53
1,405.0	2.00	4.70	1,404.4	-0.5	-5.5	-0.9	0.19	-0.05	-5.08
1,594.0	2.20	344.70	1,593.3	6.3	-6.2	5.8	0.40	0.11	-10.58
1,782.0	0.70	118.60	1,781.3	9.3	-6.2	8.8	1.45	-0.80	71.22
1,972.0	0.40	176.40	1,971.3	8.0	-5.1	7.6	0.31	-0.16	30.42
2,161.0	3.10	91.70	2,160.2	7.2	0.0	7.2	1.63	1.43	-44.81
2,350.0	3.30	101.30	2,348.9	6.0	10.5	6.8	0.30	0.11	5.08
2,539.0	4.10	106.90	2,537.5	3.0	22.3	4.7	0.46	0.42	2.96
2,729.0	3.70	92.90	2,727.1	0.7	34.9	3.4	0.54	-0.21	-7.37
2,918.0	3.20	85.30	2,915.7	0.8	46.2	4.4	0.36	-0.26	-4.02
3,028.0	2.50	65.00	3,025.6	2.1	51.5	6.1	1.11	-0.64	-18.45
3,140.0	2.40	59.70	3,137.5	4.3	55.7	8.6	0.22	-0.09	-4.73
3,333.0	6.20	80.10	3,329.9	8.1	69.5	13.5	2.09	1.97	10.57
3,522.0	6.30	76.70	3,517.8	12.3	89.6	19.2	0.20	0.05	-1.80
3,711.0	6.10	98.40	3,705.7	13.2	109.7	21.6	1.24	-0.11	11.48
3,900.0	5.80	96.90	3,893.7	10.6	129.1	20.5	0.18	-0.16	-0.79
4,090.0	5.10	95.00	4,082.8	8.7	147.0	20.0	0.38	-0.37	-1.00
4,279.0	5.00	90.60	4,271.1	7.9	163.6	20.5	0.21	-0.05	-2.33
4,469.0	4.70	85.20	4,460.4	8.4	179.7	22.3	0.29	-0.16	-2.84
4,658.0	6.20	88.60	4,648.6	9.3	197.6	24.5	0.81	0.79	1.80
4,847.0	5.30	88.80	4,836.6	9.8	216.5	26.4	0.48	-0.48	0.11
5,036.0	4.70	87.70	5,024.9	10.3	233.0	28.2	0.32	-0.32	-0.58
5,225.0	6.00	86.30	5,213.1	11.2	250.6	30.5	0.69	0.69	-0.74
5,414.0	5.60	86.50	5,401.1	12.4	269.6	33.2	0.21	-0.21	0.11
5,603.0	5.20	90.20	5,589.2	12.9	287.4	35.1	0.28	-0.21	1.96
5,793.0	4.40	91.60	5,778.6	12.7	303.3	36.1	0.43	-0.42	0.74
5,982.0	5.70	88.90	5,966.8	12.7	319.9	37.3	0.70	0.69	-1.43
6,171.0	5.30	88.50	6,155.0	13.1	338.0	39.1	0.21	-0.21	-0.21
6,360.0	4.80	89.50	6,343.2	13.4	354.7	40.7	0.27	-0.26	0.53
6,549.0	4.40	90.30	6,531.6	13.4	369.8	41.9	0.21	-0.21	0.42
6,738.0	5.60	87.30	6,719.9	13.8	386.3	43.6	0.65	0.63	-1.59
6,928.0	4.00	90.30	6,909.2	14.2	402.2	45.2	0.85	-0.84	1.58
7,117.0	4.00	84.60	7,097.8	14.8	415.3	46.8	0.21	0.00	-3.02
7,306.0	4.90	79.20	7,286.2	16.9	429.8	50.0	0.52	0.48	-2.86
7,495.0	4.40	78.80	7,474.6	19.9	444.9	54.1	0.27	-0.26	-0.21
7,684.0	2.50	86.80	7,663.2	21.5	456.1	56.6	1.03	-1.01	4.23
7,873.0	5.10	97.30	7,851.8	20.7	468.5	56.7	1.42	1.38	5.56
8,062.0	4.00	98.60	8,040.2	18.6	483.4	55.8	0.58	-0.58	0.69
8,252.0	5.20	91.40	8,229.6	17.4	498.6	55.8	0.70	0.63	-3.79
8,441.0	3.60	103.50	8,418.0	15.8	512.9	55.3	0.97	-0.85	6.40
8,631.0	3.60	125.10	8,607.7	11.0	523.6	51.3	0.71	0.00	11.37
8,821.0	3.40	121.10	8,797.3	4.7	533.3	45.7	0.17	-0.11	-2.11



Stryker Energy Directional Services
Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fuller 13/12 W1ED Fed Com #2H
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 #2H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	EDM5000

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)
9,010.0	3.60	113.00	8,986.0	-0.6	543.5	41.3	0.28	0.11	-4.29
9,200.0	3.90	117.40	9,175.5	-5.9	554.8	36.9	0.22	0.16	2.32
9,390.0	3.50	120.90	9,365.2	-11.8	565.5	31.8	0.24	-0.21	1.84
9,580.0	2.20	130.90	9,554.9	-17.2	573.2	27.1	0.73	-0.68	5.26
9,769.0	1.60	138.90	9,743.8	-21.5	577.7	23.0	0.35	-0.32	4.23
9,846.0	1.40	146.80	9,820.8	-23.1	578.9	21.6	0.37	-0.26	10.26
9,930.0	1.70	345.90	9,904.8	-22.8	579.2	21.9	3.64	0.36	-191.55
9,978.0	7.80	356.90	9,952.6	-18.8	578.8	25.8	12.79	12.71	22.92
10,025.0	15.60	358.00	9,998.6	-9.3	578.4	35.3	16.60	16.60	2.34
10,073.0	20.40	357.80	10,044.2	5.5	577.9	50.0	10.00	10.00	-0.42
10,120.0	24.50	359.30	10,087.6	23.4	577.4	67.9	8.81	8.72	3.19
10,168.0	28.10	1.70	10,130.7	44.7	577.7	89.1	7.82	7.50	5.00
10,215.0	31.40	2.80	10,171.5	68.0	578.6	112.4	7.12	7.02	2.34
10,263.0	34.80	4.50	10,211.7	94.1	580.3	138.6	7.34	7.08	3.54
10,310.0	38.60	4.20	10,249.3	122.1	582.4	166.7	8.09	8.09	-0.64
10,357.0	42.70	4.50	10,285.0	152.7	584.7	197.3	8.73	8.72	0.64
10,404.0	47.30	5.00	10,318.2	185.8	587.5	230.5	9.82	9.79	1.06
10,452.0	51.30	3.20	10,349.5	222.1	590.1	266.9	8.80	8.33	-3.75
10,499.0	54.90	2.20	10,377.7	259.6	591.8	304.4	7.85	7.66	-2.13
10,547.0	59.60	1.80	10,403.7	299.9	593.2	344.8	9.82	9.79	-0.83
10,594.0	65.20	1.50	10,425.5	341.6	594.4	386.4	11.93	11.91	-0.64
10,642.0	70.10	1.40	10,443.7	385.9	595.5	430.7	10.21	10.21	-0.21
10,673.0	72.40	1.70	10,453.7	415.3	596.3	460.0	7.48	7.42	0.97
10,779.0	77.80	2.80	10,480.9	517.6	600.4	562.3	5.19	5.09	1.04
10,873.0	79.90	3.50	10,499.1	609.7	605.4	654.5	2.35	2.23	0.74
10,968.0	82.60	3.90	10,513.5	703.3	611.5	748.4	2.87	2.84	0.42
11,013.0	85.00	4.40	10,518.4	748.0	614.7	793.1	5.45	5.33	1.11
11,062.0	86.90	4.30	10,521.9	796.7	618.4	842.0	3.88	3.88	-0.20
11,108.0	89.80	4.60	10,523.2	842.5	622.0	888.0	6.34	6.30	0.65
11,157.0	92.50	4.60	10,522.2	891.4	625.9	937.0	5.51	5.51	0.00
11,251.0	92.20	2.00	10,518.4	985.1	631.3	1,030.9	2.78	-0.32	-2.77
11,346.0	90.80	358.80	10,515.9	1,080.1	632.0	1,125.6	3.68	-1.47	-3.37
11,440.0	90.80	358.10	10,514.6	1,174.0	629.5	1,219.1	0.74	0.00	-0.74
11,535.0	91.20	359.50	10,512.9	1,269.0	627.5	1,313.6	1.53	0.42	1.47
11,630.0	90.90	0.00	10,511.2	1,364.0	627.1	1,408.2	0.61	-0.32	0.53
11,725.0	90.50	357.60	10,510.0	1,458.9	625.1	1,502.8	2.56	-0.42	-2.53
11,819.0	90.60	357.40	10,509.1	1,552.8	621.0	1,596.1	0.24	0.11	-0.21
11,914.0	90.60	357.50	10,508.1	1,647.7	616.7	1,690.4	0.11	0.00	0.11
12,008.0	90.40	357.50	10,507.3	1,741.6	612.6	1,783.7	0.21	-0.21	0.00
12,103.0	89.50	357.30	10,507.4	1,836.6	608.3	1,878.0	0.97	-0.95	-0.21
12,198.0	90.20	357.90	10,507.6	1,931.5	604.4	1,972.3	0.97	0.74	0.63
12,292.0	89.70	357.80	10,507.7	2,025.4	600.8	2,065.7	0.54	-0.53	-0.11
12,387.0	89.50	356.60	10,508.4	2,120.3	596.2	2,159.9	1.28	-0.21	-1.26



Stryker Energy Directional Services

Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fuller 13/12 W1ED Fed Com #2H
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 #2H	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)
12,482.0	89.50	356.00	10,509.2	2,215.1	590.1	2,254.0	0.63	0.00	-0.63
12,576.0	89.50	355.20	10,510.0	2,308.8	582.9	2,346.9	0.85	0.00	-0.85
12,671.0	89.70	355.30	10,510.7	2,403.5	575.0	2,440.6	0.24	0.21	0.11
12,766.0	88.00	358.40	10,512.6	2,498.3	569.8	2,534.8	3.72	-1.79	3.26
12,860.0	88.70	0.30	10,515.3	2,592.2	568.7	2,628.4	2.15	0.74	2.02
12,955.0	89.50	1.70	10,516.8	2,687.2	570.4	2,723.2	1.70	0.84	1.47
13,049.0	89.40	2.40	10,517.7	2,781.1	573.7	2,817.1	0.75	-0.11	0.74
13,144.0	89.80	1.20	10,518.3	2,876.1	576.7	2,912.0	1.33	0.42	-1.26
13,239.0	90.50	359.40	10,518.1	2,971.1	577.2	3,006.7	2.03	0.74	-1.89
13,333.0	90.80	359.20	10,517.0	3,065.1	576.1	3,100.4	0.38	0.32	-0.21
13,428.0	90.20	358.40	10,516.2	3,160.1	574.1	3,194.9	1.05	-0.63	-0.84
13,522.0	89.90	358.40	10,516.1	3,254.0	571.4	3,288.4	0.32	-0.32	0.00
13,617.0	90.20	359.60	10,516.0	3,349.0	569.8	3,383.0	1.30	0.32	1.26
13,712.0	90.00	0.00	10,515.9	3,444.0	569.4	3,477.6	0.47	-0.21	0.42
13,806.0	89.70	0.50	10,516.1	3,538.0	569.9	3,571.4	0.62	-0.32	0.53
13,901.0	89.90	1.00	10,516.4	3,633.0	571.1	3,666.2	0.57	0.21	0.53
13,995.0	89.30	0.30	10,517.1	3,727.0	572.2	3,760.0	0.98	-0.64	-0.74
14,090.0	89.50	0.50	10,518.1	3,822.0	572.8	3,854.8	0.30	0.21	0.21
14,185.0	90.00	0.80	10,518.5	3,917.0	573.9	3,949.5	0.61	0.53	0.32
14,279.0	90.20	0.80	10,518.3	4,011.0	575.2	4,043.4	0.21	0.21	0.00
14,374.0	89.70	0.40	10,518.4	4,105.9	576.2	4,138.1	0.67	-0.53	-0.42
14,468.0	90.10	359.60	10,518.6	4,199.9	576.2	4,231.9	0.95	0.43	-0.85
14,563.0	90.00	358.90	10,518.5	4,294.9	575.0	4,326.5	0.74	-0.11	-0.74
14,658.0	89.70	358.90	10,518.8	4,389.9	573.2	4,421.0	0.32	-0.32	0.00
14,752.0	89.60	359.20	10,519.3	4,483.9	571.6	4,514.6	0.34	-0.11	0.32
14,847.0	89.50	359.60	10,520.1	4,578.9	570.6	4,609.3	0.43	-0.11	0.42
14,941.0	88.20	358.90	10,522.0	4,672.9	569.4	4,702.9	1.57	-1.38	-0.74
15,036.0	88.70	359.60	10,524.5	4,767.8	568.1	4,797.4	0.91	0.53	0.74
15,130.0	88.50	359.80	10,526.8	4,861.8	567.6	4,891.1	0.30	-0.21	0.21
15,225.0	91.10	1.00	10,527.2	4,956.8	568.3	4,985.8	3.01	2.74	1.26
15,319.0	92.20	1.40	10,524.5	5,050.7	570.3	5,079.6	1.25	1.17	0.43
15,414.0	92.70	1.10	10,520.4	5,145.6	572.3	5,174.4	0.61	0.53	-0.32
15,508.0	93.60	1.00	10,515.2	5,239.5	574.1	5,268.1	0.96	0.96	-0.11
15,603.0	94.30	1.00	10,508.7	5,334.2	575.7	5,362.7	0.74	0.74	0.00
15,698.0	91.50	0.10	10,503.9	5,429.1	576.6	5,457.4	3.10	-2.95	-0.95
15,792.0	92.00	1.30	10,501.0	5,523.0	577.8	5,551.1	1.38	0.53	1.28
15,887.0	92.00	0.40	10,497.7	5,618.0	579.2	5,645.9	0.95	0.00	-0.95
15,981.0	91.90	359.60	10,494.5	5,711.9	579.2	5,739.5	0.86	-0.11	-0.85
16,089.0	88.70	0.20	10,493.9	5,819.9	579.0	5,847.2	3.01	-2.96	0.56
16,184.0	88.70	0.50	10,496.1	5,914.9	579.6	5,941.9	0.32	0.00	0.32
16,278.0	88.20	0.40	10,498.6	6,008.8	580.3	6,035.7	0.54	-0.53	-0.11
16,373.0	87.80	1.00	10,501.9	6,103.8	581.5	6,130.4	0.76	-0.42	0.63
16,468.0	89.10	1.30	10,504.5	6,198.7	583.4	6,225.2	1.40	1.37	0.32
16,562.0	90.00	2.50	10,505.2	6,292.6	586.5	6,319.1	1.60	0.96	1.28



Stryker Energy Directional Services

Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Fuller 13/12 W1ED Fed Com #2H
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 #2H	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)
16,657.0	90.60	3.10	10,504.7	6,387.5	591.1	6,414.1	0.89	0.63	0.63
16,751.0	87.90	1.70	10,506.0	6,481.4	595.1	6,508.0	3.24	-2.87	-1.49
16,846.0	87.50	2.10	10,509.8	6,576.3	598.2	6,602.8	0.60	-0.42	0.42
16,941.0	87.10	3.10	10,514.3	6,671.1	602.5	6,697.7	1.13	-0.42	1.05
17,035.0	88.60	2.20	10,517.8	6,764.9	606.9	6,791.6	1.86	1.60	-0.96
17,130.0	90.60	0.30	10,518.5	6,859.9	608.9	6,886.4	2.90	2.11	-2.00
17,225.0	89.80	359.60	10,518.1	6,954.9	608.8	6,981.1	1.12	-0.84	-0.74
17,319.0	88.80	359.80	10,519.3	7,048.9	608.4	7,074.8	1.08	-1.06	0.21
17,414.0	89.30	0.10	10,520.8	7,143.9	608.3	7,169.5	0.61	0.53	0.32
17,509.0	89.70	0.20	10,521.7	7,238.9	608.5	7,264.2	0.43	0.42	0.11
17,603.0	89.90	359.90	10,522.0	7,332.9	608.6	7,357.9	0.38	0.21	-0.32
17,697.0	89.70	359.60	10,522.3	7,426.9	608.2	7,451.6	0.38	-0.21	-0.32
17,792.0	89.80	359.50	10,522.7	7,521.8	607.4	7,546.3	0.15	0.11	-0.11
17,887.0	89.90	359.60	10,523.0	7,616.8	606.7	7,640.9	0.15	0.11	0.11
17,981.0	89.20	0.10	10,523.7	7,710.8	606.5	7,734.6	0.92	-0.74	0.53
18,069.0	89.00	0.20	10,525.1	7,798.8	606.7	7,822.4	0.25	-0.23	0.11
18,120.0	89.00	0.20	10,526.0	7,849.8	606.9	7,873.2	0.00	0.00	0.00
18120.0' Projected to bit									

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
655.0	654.9	-9.3	-3.9	First Stryker Surveys
18,120.0	10,526.0	7,849.8	606.9	18120.0' Projected to bit

Checked By: _____ Approved By: _____ Date: _____