Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised July 18, 2013

WELL API NO.
30-015-46213

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name
Yuma 3/10 W1CN St Com

8. Well Number 1H

1. Type of Well: Oil Well ☐ Gas Well ☒ Other

2. Name of Operator
Mewbourne Oil Company

9. OGRID Number 14744

3. Address of Operator
PO Box 5270, Hobbs NM 88241

10. Pool name or Wildcat
Purple Sage; Wolfcamp (gas)

4. Well Location
Unit Letter D : 290 feet from the North line and 1235 feet from the West line
Section 3 Township 25S Range 28E NMPM Eddy County

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
3002' GL

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB			
DOWNHOLE COMMINGLE	☐						
CLOSED-LOOP SYSTEM	☐						
OTHER:	☐			OTHER: Dedicated acreage	☒		

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

The dedicated acreage indicated on the C-102 is correct by showing 640.64 acres.

See attached C-102

Spud Date: 11/23/2019 Rig Release Date: 12/15/2019

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Jackie Lathan TITLE Regulatory DATE 09/03/20

Type or print name Jackie Lathan E-mail address: jlathan@mewbourne.com PHONE: 575-393-5905

For State Use Only

APPROVED BY: Accepted for Record TITLE DATE 9/09/2020
Conditions of Approval (if any):

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

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	2 Pool Code	3 Pool Name
30-015-46213	98220	Purple Sage; Wolfcamp (Gas)

4 Property Code	5 Property Name	6 Well Number
326027	YUMA 3/10 W1CN STATE COM	1H

7 OGRID NO.	8 Operator Name	9 Elevation
14744	MEWBOURNE OIL COMPANY	3002'

10 Surface Location

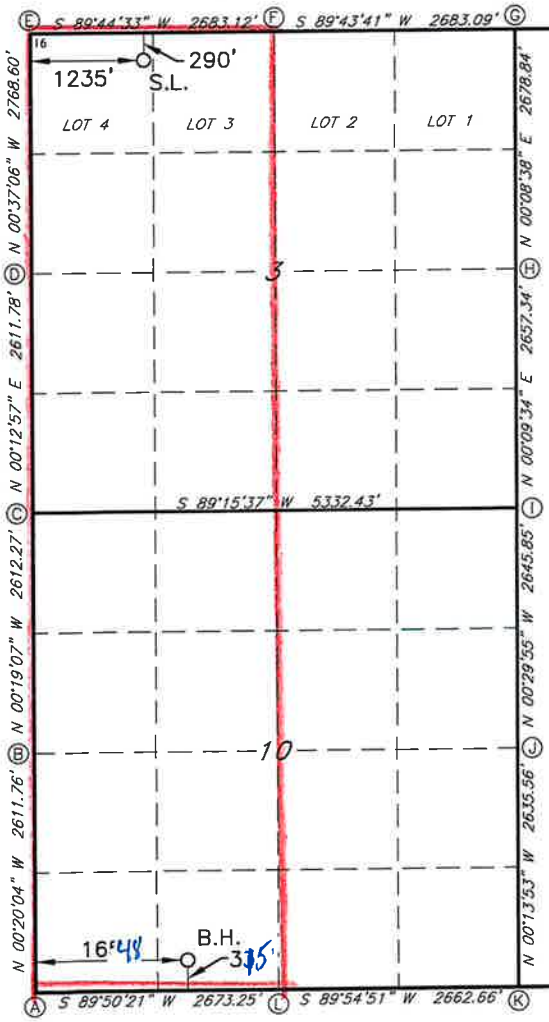
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
4	3	25S	28E		290	NORTH	1235	WEST	EDDY

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
N	10	25S	28E		315	SOUTH	1648	WEST	EDDY

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
640.64			

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



GEODETIC DATA
NAD 83 GRID – NM EAST

SURFACE LOCATION
N: 424113.4 – E: 619782.3

LAT: 32.1657118° N
LONG: 104.0798193° W

BOTTOM HOLE
N: 414130.6 – E: 620241.8

LAT: 32.1382672° N
LONG: 104.0784105° W

CORNER DATA
NAD 83 GRID – NM EAST

A: FOUND BRASS CAP "1940"
N: 413796.1 – E: 618594.1

B: FOUND BRASS CAP "1940"
N: 416407.2 – E: 618578.9

C: FOUND BRASS CAP "1940"
N: 419018.9 – E: 618564.4

D: FOUND BRASS CAP "1940"
N: 421630.1 – E: 618574.2

E: FOUND BRASS CAP "1940"
N: 424397.9 – E: 618544.3

F: FOUND BRASS CAP "1940"
N: 424409.9 – E: 621226.8

G: FOUND BRASS CAP "1940"
N: 424422.7 – E: 623909.3

H: FOUND BRASS CAP "1940"
N: 421744.4 – E: 623902.6

I: FOUND BRASS CAP "1940"
N: 419087.7 – E: 623895.2

J: FOUND BRASS CAP "1940"
N: 416442.5 – E: 623918.2

K: FOUND BRASS CAP "1940"
N: 413807.6 – E: 623928.9

L: FOUND BRASS CAP "1940"
N: 413803.6 – E: 621266.8

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.

Jackie Lathan 9/3/20
Signature Date

Jackie Lathan
Printed Name

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.

07-08-2019
Date of Survey

Signature and Seal of Professional Surveyor

ROBERT M. HOWETT NEW MEXICO 19680 PROFESSIONAL SURVEYOR

19680
Certificate Number

RRC–Job No: LS19070747

Intent [ ] As Drilled [X]

API #
30-015-46213

Operator Name:	Property Name:	Well Number
Mewbourne Oil Company	Yuma 3/10 W1CN State Com	#1H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
C	3	25S	28E		19	N	1652	W	Eddy

Latitude	Longitude	NAD
32.1664612	-104.0784720	83

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
C	3	25S	28E		433	N	1647	W	Eddy

Latitude	Longitude	NAD
32.1653115	-104.0784886	83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
N	10	25S	28E		373	N	1648	W	Eddy

Latitude	Longitude	NAD
32.1383797	-104.0784184	83

Is this well the defining well for the Horizontal Spacing Unit? [ ]

Is this well an infill well? [Yes]

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #
30-015-46212

Operator Name:	Property Name:	Well Number
Mewbourne Oil Co	Yuma 3/10 W1DM State Com	#1H

KZ 06/29/2018

COMPANY: Mewbourne Oil Company
WELL: Yuma 3/10 W1CN State Com #1H
COUNTY: Eddy County, N.M. Nad (83)
DATUM: North American Datum 1983
RIG: Patterson 230
GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 6.79°

STRYKER DIRECTIONAL
OFFICE: 936.582.7296

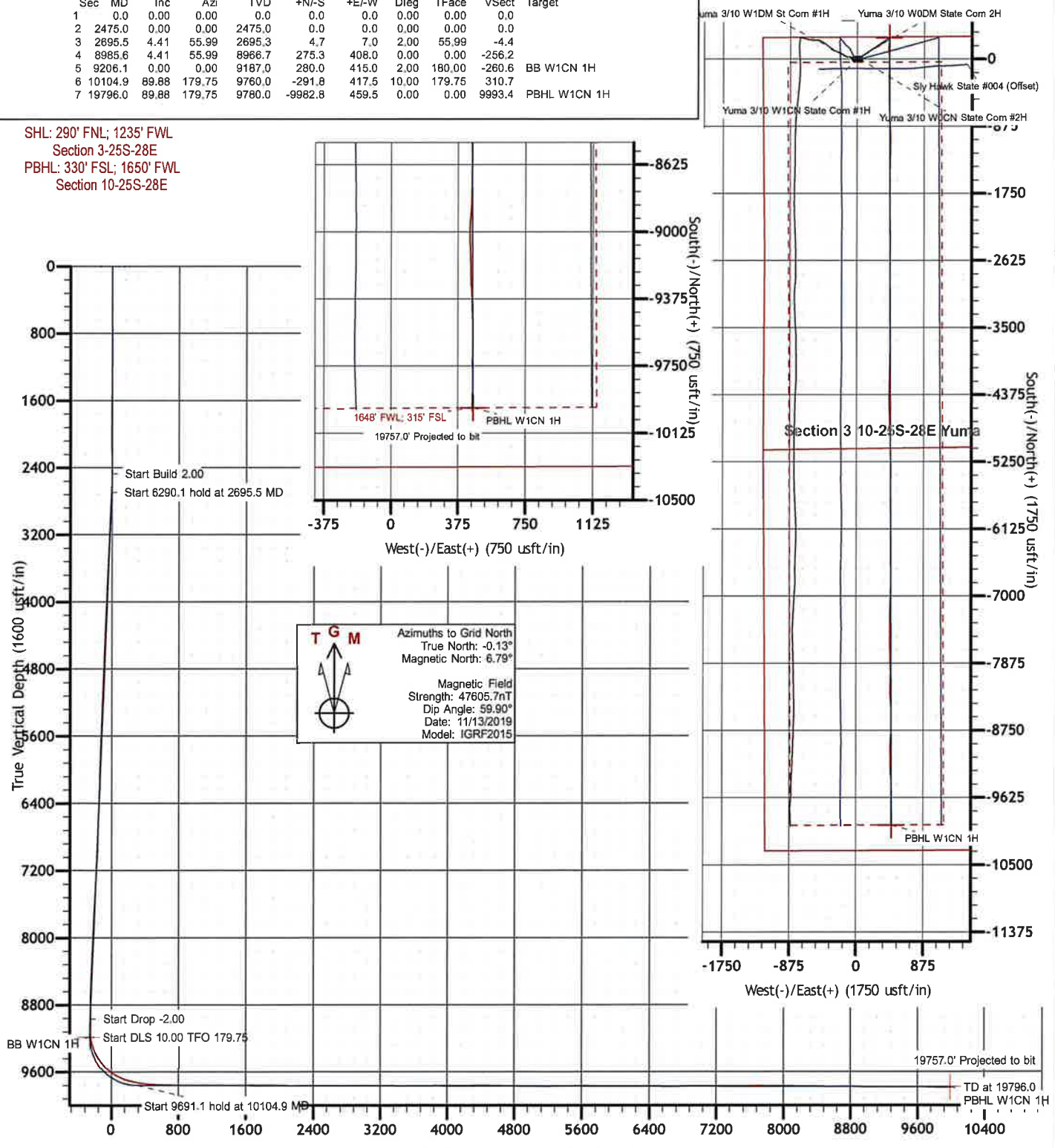
GEODETIC ZONE: New Mexico Eastern Zone
3002+28 @ 3030.0usft (Patterson 230)
GROUND ELEVATION: 3002.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	424113.40	619782.30	32° 9' 56.563 N	104° 4' 47.349 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	2475.0	0.00	0.00	2475.0	0.0	0.0	0.00	0.00	0.0	
3	2695.5	4.41	55.99	2695.3	4.7	7.0	2.00	55.99	-4.4	
4	8985.6	4.41	55.99	8966.7	275.3	408.0	0.00	0.00	-256.2	
5	9206.1	0.00	0.00	9187.0	280.0	415.0	2.00	180.00	-260.6	BB W1CN 1H
6	10104.9	89.88	179.75	9760.0	-291.8	417.5	10.00	179.75	310.7	
7	19796.0	89.88	179.75	9760.0	-9982.8	459.5	0.00	0.00	9993.4	PBHL W1CN 1H

SHL: 290' FNL; 1235' FWL
Section 3-25S-28E
PBHL: 330' FSL; 1650' FWL
Section 10-25S-28E



T G M
Azimuths to Grid North
True North: -0.13°
Magnetic North: 6.79°
Magnetic Field
Strength: 47605.7nT
Dip Angle: 59.90°
Date: 11/13/2019
Model: IGRF2015

MEWBOURNE OIL COMPANY

Mewbourne Oil Company

Eddy County, N.M. Nad (83)
Section 3 10-25S-28E Yuma
Yuma 3/10 W1CN State Com #1H

Original Hole

Design: As Drilled

Standard Survey Report

13 December, 2019

STRYKER DIRECTIONAL

Company:	Mewbourne Oil Company	**Local Co-ordinate Reference:**	Well Yuma 3/10 W1CN State Com #1H
Project:	Eddy County, N.M. Nad (83)	**TVD Reference:**	3002+28 @ 3030.0usft (Patterson 230)
Site:	Section 3 10-25S-28E Yuma	**MD Reference:**	3002+28 @ 3030.0usft (Patterson 230)
Well:	Yuma 3/10 W1CN State 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 3 10-25S-28E Yuma

Site Position:		**Northing:**	424,113.30 usft	**Latitude:**	32° 9' 56.562 N
From:	Map	**Easting:**	619,752.30 usft	**Longitude:**	104° 4' 47.698 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.13 °

Well Yuma 3/10 W1CN State Com #1H

Well Position	**+N/-S**	0.0 usft	**Northing:**	424,113.40 usft	**Latitude:**	32° 9' 56.563 N
	+E/-W	0.0 usft	**Easting:**	619,782.30 usft	**Longitude:**	104° 4' 47.349 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	28.0 usft	**Ground Level:**	3,002.0 usft

Wellbore Original Hole

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	11/13/19	6.92	59.90	47,605.65870368

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	177.38

Survey Program **Date** 12/13/19

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
526.0	19,757.0	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)
400.0	0.40	144.10	400.0	0.5	0.8	-0.5	0.00	0.00	0.00
526.0	0.40	150.80	526.0	-0.2	1.3	0.3	0.04	0.00	5.32
586.0	0.50	161.20	586.0	-0.7	1.5	0.7	0.21	0.17	17.33
646.0	0.90	186.10	646.0	-1.4	1.5	1.5	0.82	0.67	41.50
705.0	0.90	192.80	705.0	-2.3	1.3	2.4	0.18	0.00	11.36
766.0	0.40	190.00	766.0	-3.0	1.2	3.0	0.82	-0.82	-4.59
861.0	0.40	211.00	861.0	-3.6	1.0	3.6	0.15	0.00	22.11
955.0	0.40	239.60	955.0	-4.0	0.5	4.1	0.21	0.00	30.43
1,048.0	0.90	33.50	1,048.0	-3.6	0.6	3.6	1.37	0.54	165.48
1,143.0	0.80	7.10	1,143.0	-2.3	1.1	2.4	0.42	-0.11	-27.79

Company:	Mewbourne Oil Company	**Local Co-ordinate Reference:**	Well Yuma 3/10 W1CN State Com #1H
Project:	Eddy County, N.M. Nad (83)	**TVD Reference:**	3002+28 @ 3030.0usft (Patterson 230)
Site:	Section 3 10-25S-28E Yuma	**MD Reference:**	3002+28 @ 3030.0usft (Patterson 230)
Well:	Yuma 3/10 W1CN State 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)
1,237.0	0.60	337.00	1,237.0	-1.2	1.0	1.3	0.44	-0.21	-32.02
1,332.0	0.70	342.10	1,331.9	-0.2	0.7	0.2	0.12	0.11	5.37
1,426.0	0.70	336.40	1,425.9	0.9	0.2	-0.9	0.07	0.00	-6.06
1,520.0	0.60	322.30	1,519.9	1.8	-0.3	-1.8	0.20	-0.11	-15.00
1,614.0	0.70	304.80	1,613.9	2.5	-1.1	-2.6	0.24	0.11	-18.62
1,709.0	0.70	311.20	1,708.9	3.2	-2.0	-3.3	0.08	0.00	6.74
1,804.0	0.40	316.40	1,803.9	3.8	-2.6	-4.0	0.32	-0.32	5.47
1,898.0	0.50	91.80	1,897.9	4.1	-2.5	-4.2	0.89	0.11	144.04
1,992.0	1.20	94.20	1,991.9	4.0	-1.1	-4.0	0.75	0.74	2.55
2,086.0	1.10	98.10	2,085.9	3.8	0.8	-3.7	0.14	-0.11	4.15
2,180.0	1.70	109.50	2,179.9	3.2	3.0	-3.1	0.70	0.64	12.13
2,274.0	2.30	102.40	2,273.8	2.3	6.2	-2.0	0.69	0.64	-7.55
2,369.0	2.70	102.80	2,368.7	1.4	10.2	-1.0	0.42	0.42	0.42
2,410.0	2.50	106.50	2,409.7	1.0	12.0	-0.4	0.64	-0.49	9.02
2,470.0	2.00	102.30	2,469.6	0.4	14.3	0.3	0.88	-0.83	-7.00
2,565.0	3.70	63.30	2,564.5	1.4	18.7	-0.5	2.62	1.79	-41.05
2,659.0	4.70	53.60	2,658.3	5.0	24.5	-3.9	1.30	1.06	-10.32
2,754.0	4.70	52.80	2,752.9	9.7	30.7	-8.3	0.07	0.00	-0.84
2,848.0	4.80	48.50	2,846.6	14.6	36.7	-12.9	0.39	0.11	-4.57
2,943.0	4.50	48.20	2,941.3	19.7	42.5	-17.8	0.32	-0.32	-0.32
3,037.0	4.70	52.10	3,035.0	24.6	48.3	-22.3	0.39	0.21	4.15
3,226.0	4.40	51.70	3,223.4	33.8	60.1	-31.0	0.16	-0.16	-0.21
3,415.0	4.70	55.90	3,411.8	42.7	72.2	-39.3	0.24	0.16	2.22
3,604.0	4.20	52.80	3,600.2	51.2	84.1	-47.3	0.29	-0.26	-1.64
3,793.0	3.90	54.30	3,788.8	59.1	94.8	-54.7	0.17	-0.16	0.79
3,982.0	5.50	58.90	3,977.1	67.5	107.8	-62.6	0.87	0.85	2.43
4,170.0	4.90	55.10	4,164.4	76.8	122.1	-71.1	0.37	-0.32	-2.02
4,359.0	4.70	55.90	4,352.7	85.7	135.1	-79.5	0.11	-0.11	0.42
4,547.0	4.40	52.50	4,540.1	94.5	147.2	-87.6	0.21	-0.16	-1.81
4,735.0	3.30	47.30	4,727.7	102.5	156.9	-95.2	0.61	-0.59	-2.77
4,923.0	4.70	51.90	4,915.2	110.9	167.0	-103.2	0.76	0.74	2.45
5,111.0	3.70	54.10	5,102.7	119.2	177.9	-111.0	0.54	-0.53	1.17
5,300.0	5.10	62.00	5,291.1	126.8	190.3	-118.0	0.81	0.74	4.18
5,488.0	4.20	62.40	5,478.5	133.9	203.8	-124.4	0.48	-0.48	0.21
5,676.0	5.40	65.20	5,665.9	140.8	217.9	-130.7	0.65	0.64	1.49
5,865.0	5.00	64.60	5,854.1	148.0	233.4	-137.2	0.21	-0.21	-0.32
6,054.0	3.80	62.80	6,042.5	154.4	246.4	-143.0	0.64	-0.63	-0.95
6,243.0	3.00	68.40	6,231.2	159.1	256.6	-147.2	0.46	-0.42	2.96
6,431.0	5.80	56.00	6,418.6	166.2	269.0	-153.8	1.56	1.49	-6.60
6,619.0	4.10	65.20	6,605.9	174.4	283.0	-161.3	1.00	-0.90	4.89
6,808.0	3.30	37.30	6,794.5	181.5	292.5	-168.0	1.03	-0.42	-14.76
6,996.0	4.20	48.70	6,982.1	190.4	300.9	-176.5	0.62	0.48	6.06
7,185.0	5.40	53.50	7,170.5	200.2	313.3	-185.7	0.67	0.63	2.54
7,374.0	4.70	57.40	7,358.7	209.7	326.9	-194.6	0.41	-0.37	2.06

Company:	Mewbourne Oil Company	**Local Co-ordinate Reference:**	Well Yuma 3/10 W1CN State Com #1H
Project:	Eddy County, N.M. Nad (83)	**TVD Reference:**	3002+28 @ 3030.0usft (Patterson 230)
Site:	Section 3 10-25S-28E Yuma	**MD Reference:**	3002+28 @ 3030.0usft (Patterson 230)
Well:	Yuma 3/10 W1CN State 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)
7,562.0	4.00	60.00	7,546.2	217.1	339.1	-201.4	0.39	-0.37	1.38
7,751.0	4.70	45.10	7,734.6	225.9	350.3	-209.7	0.70	0.37	-7.88
7,940.0	4.90	46.30	7,923.0	236.9	361.6	-220.2	0.12	0.11	0.63
8,129.0	3.60	45.60	8,111.5	246.7	371.7	-229.5	0.69	-0.69	-0.37
8,317.0	4.30	55.00	8,299.0	254.8	381.7	-237.2	0.51	0.37	5.00
8,505.0	4.20	53.60	8,486.5	263.0	393.0	-244.8	0.08	-0.05	-0.74
8,693.0	2.70	57.20	8,674.2	269.5	402.3	-250.8	0.81	-0.80	1.91
8,882.0	2.40	62.20	8,863.0	273.7	409.5	-254.7	0.20	-0.16	2.65
9,070.0	1.40	117.70	9,050.9	274.5	415.0	-255.3	1.05	-0.53	29.52
9,132.0	1.40	135.40	9,112.9	273.6	416.2	-254.3	0.69	0.00	28.55
9,199.0	3.30	169.90	9,179.8	271.1	417.1	-251.8	3.41	2.84	51.49
9,246.0	10.50	184.20	9,226.4	265.5	417.1	-246.2	15.63	15.32	30.43
9,293.0	16.70	186.60	9,272.1	254.5	416.0	-235.3	13.24	13.19	5.11
9,340.0	21.90	186.30	9,316.4	239.1	414.2	-219.9	11.07	11.06	-0.64
9,387.0	26.50	187.70	9,359.3	220.0	411.9	-200.9	9.86	9.79	2.98
9,434.0	30.40	187.00	9,400.6	197.8	409.0	-178.9	8.33	8.30	-1.49
9,481.0	33.60	184.80	9,440.5	173.0	406.5	-154.3	7.25	6.81	-4.68
9,528.0	37.30	181.00	9,478.7	145.8	405.1	-127.1	9.16	7.87	-8.09
9,575.0	41.60	175.40	9,515.0	116.0	406.1	-97.3	11.87	9.15	-11.91
9,622.0	45.60	174.30	9,549.1	83.7	409.0	-64.9	8.66	8.51	-2.34
9,670.0	50.50	176.80	9,581.2	48.1	411.8	-29.3	10.92	10.21	5.21
9,717.0	53.80	179.00	9,610.0	11.0	413.1	7.8	7.93	7.02	4.68
9,763.0	59.00	180.10	9,635.4	-27.3	413.4	46.1	11.48	11.30	2.39
9,810.0	63.40	180.40	9,658.1	-68.4	413.2	87.2	9.38	9.36	0.64
9,857.0	67.10	181.30	9,677.7	-111.1	412.6	129.8	8.06	7.87	1.91
9,904.0	70.70	180.50	9,694.7	-154.9	411.9	173.6	7.82	7.66	-1.70
9,922.0	72.30	180.40	9,700.4	-172.0	411.8	190.6	8.90	8.89	-0.56
9,989.0	78.20	179.70	9,717.4	-236.8	411.7	255.3	8.86	8.81	-1.04
10,020.0	79.30	179.80	9,723.5	-267.2	411.9	285.7	3.56	3.55	0.32
10,052.0	80.30	179.80	9,729.1	-298.7	412.0	317.2	3.13	3.13	0.00
10,083.0	81.60	179.80	9,734.0	-329.3	412.1	347.7	4.19	4.19	0.00
10,115.0	82.50	179.80	9,738.4	-361.0	412.2	379.4	2.81	2.81	0.00
10,146.0	83.40	179.60	9,742.2	-391.7	412.3	410.2	2.97	2.90	-0.65
10,178.0	84.00	179.60	9,745.8	-423.5	412.6	441.9	1.88	1.88	0.00
10,209.0	84.70	179.70	9,748.8	-454.4	412.8	472.8	2.28	2.26	0.32
10,241.0	85.70	179.70	9,751.5	-486.3	412.9	504.6	3.13	3.13	0.00
10,272.0	86.60	179.50	9,753.6	-517.2	413.1	535.5	2.97	2.90	-0.65
10,367.0	87.60	177.60	9,758.4	-612.1	415.5	630.4	2.26	1.05	-2.00
10,461.0	89.70	177.80	9,760.6	-705.9	419.3	724.3	2.24	2.23	0.21
10,555.0	89.80	177.30	9,761.0	-799.9	423.3	818.3	0.54	0.11	-0.53
10,650.0	89.10	176.80	9,761.9	-894.7	428.2	913.3	0.91	-0.74	-0.53
10,744.0	89.90	178.10	9,762.7	-988.6	432.4	1,007.3	1.62	0.85	1.38
10,839.0	90.30	179.90	9,762.6	-1,083.6	434.1	1,102.3	1.94	0.42	1.89

Company:	Mewbourne Oil Company	**Local Co-ordinate Reference:**	Well Yuma 3/10 W1CN State Com #1H
Project:	Eddy County, N.M. Nad (83)	**TVD Reference:**	3002+28 @ 3030.0usft (Patterson 230)
Site:	Section 3 10-25S-28E Yuma	**MD Reference:**	3002+28 @ 3030.0usft (Patterson 230)
Well:	Yuma 3/10 W1CN State 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)
10,933.0	90.30	180.90	9,762.1	-1,177.6	433.4	1,196.2	1.06	0.00	1.06
11,028.0	89.30	180.80	9,762.4	-1,272.6	432.0	1,291.0	1.06	-1.05	-0.11
11,122.0	90.20	181.20	9,762.8	-1,366.6	430.4	1,384.8	1.05	0.96	0.43
11,216.0	90.20	181.40	9,762.5	-1,460.6	428.2	1,478.6	0.21	0.00	0.21
11,311.0	91.70	182.30	9,760.9	-1,555.5	425.2	1,573.3	1.84	1.58	0.95
11,405.0	91.50	181.00	9,758.3	-1,649.4	422.5	1,667.0	1.40	-0.21	-1.38
11,499.0	88.90	178.80	9,758.0	-1,743.4	422.6	1,760.9	3.62	-2.77	-2.34
11,594.0	88.70	179.50	9,760.0	-1,838.4	424.0	1,855.8	0.77	-0.21	0.74
11,688.0	88.60	179.50	9,762.2	-1,932.3	424.8	1,949.7	0.11	-0.11	0.00
11,783.0	89.60	178.80	9,763.7	-2,027.3	426.3	2,044.6	1.28	1.05	-0.74
11,877.0	88.90	179.00	9,764.9	-2,121.3	428.1	2,138.6	0.77	-0.74	0.21
11,972.0	89.30	178.20	9,766.4	-2,216.2	430.4	2,233.6	0.94	0.42	-0.84
12,066.0	90.20	179.80	9,766.8	-2,310.2	432.0	2,327.5	1.95	0.96	1.70
12,161.0	90.10	180.50	9,766.5	-2,405.2	431.8	2,422.4	0.74	-0.11	0.74
12,255.0	90.20	181.00	9,766.3	-2,499.2	430.5	2,516.3	0.54	0.11	0.53
12,349.0	89.60	180.00	9,766.5	-2,593.2	429.7	2,610.1	1.24	-0.64	-1.06
12,444.0	90.20	180.90	9,766.6	-2,688.2	429.0	2,705.0	1.14	0.63	0.95
12,538.0	89.30	180.40	9,767.0	-2,782.2	427.9	2,798.8	1.10	-0.96	-0.53
12,633.0	90.20	179.50	9,767.5	-2,877.2	428.0	2,893.7	1.34	0.95	-0.95
12,727.0	89.50	179.50	9,767.7	-2,971.2	428.8	2,987.7	0.74	-0.74	0.00
12,821.0	90.50	180.50	9,767.7	-3,065.2	428.8	3,081.6	1.50	1.06	1.06
12,916.0	91.20	180.60	9,766.3	-3,160.2	427.9	3,176.4	0.74	0.74	0.11
13,010.0	89.60	179.80	9,765.6	-3,254.2	427.6	3,270.3	1.90	-1.70	-0.85
13,104.0	89.50	179.80	9,766.4	-3,348.2	427.9	3,364.2	0.11	-0.11	0.00
13,199.0	88.70	177.50	9,767.9	-3,443.1	430.1	3,459.2	2.56	-0.84	-2.42
13,293.0	89.70	177.60	9,769.2	-3,537.0	434.2	3,553.1	1.07	1.06	0.11
13,387.0	90.60	180.50	9,768.9	-3,631.0	435.7	3,647.1	3.23	0.96	3.09
13,481.0	90.70	181.00	9,767.9	-3,725.0	434.5	3,740.9	0.54	0.11	0.53
13,576.0	89.80	181.60	9,767.4	-3,820.0	432.3	3,835.7	1.14	-0.95	0.63
13,670.0	91.30	181.40	9,766.5	-3,913.9	429.9	3,929.5	1.61	1.60	-0.21
13,764.0	90.90	181.70	9,764.7	-4,007.9	427.3	4,023.2	0.53	-0.43	0.32
13,858.0	90.80	181.30	9,763.3	-4,101.8	424.9	4,116.9	0.44	-0.11	-0.43
13,952.0	89.40	180.80	9,763.2	-4,195.8	423.1	4,210.7	1.58	-1.49	-0.53
14,046.0	90.10	180.50	9,763.6	-4,289.8	422.1	4,304.6	0.81	0.74	-0.32
14,139.0	89.60	180.30	9,763.8	-4,382.8	421.4	4,397.5	0.58	-0.54	-0.22
14,233.0	89.40	179.50	9,764.7	-4,476.8	421.6	4,491.4	0.88	-0.21	-0.85
14,327.0	89.20	178.40	9,765.8	-4,570.8	423.3	4,585.3	1.19	-0.21	-1.17
14,421.0	89.30	178.40	9,767.0	-4,664.7	425.9	4,679.3	0.11	0.11	0.00
14,515.0	88.40	177.50	9,768.9	-4,758.6	429.3	4,773.3	1.35	-0.96	-0.96
14,609.0	89.00	176.90	9,771.1	-4,852.5	433.9	4,867.2	0.90	0.64	-0.64
14,704.0	90.00	178.40	9,771.9	-4,947.4	437.8	4,962.2	1.90	1.05	1.58
14,798.0	88.90	178.50	9,772.8	-5,041.4	440.3	5,056.2	1.18	-1.17	0.11
14,892.0	92.30	180.00	9,771.8	-5,135.3	441.6	5,150.1	3.95	3.62	1.60

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Yuma 3/10 W1CN State Com #1H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	3002+28 @ 3030.0usft (Patterson 230)
Site:	Section 3 10-25S-28E Yuma	MD Reference:	3002+28 @ 3030.0usft (Patterson 230)
Well:	Yuma 3/10 W1CN State 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)
14,987.0	88.80	178.90	9,770.9	-5,230.3	442.5	5,245.1	3.86	-3.68	-1.16
15,081.0	90.60	180.40	9,771.4	-5,324.3	443.0	5,339.0	2.49	1.91	1.60
15,175.0	90.30	180.00	9,770.6	-5,418.3	442.7	5,432.9	0.53	-0.32	-0.43
15,270.0	90.10	180.00	9,770.3	-5,513.3	442.7	5,527.8	0.21	-0.21	0.00
15,364.0	90.00	180.00	9,770.2	-5,607.3	442.7	5,621.7	0.11	-0.11	0.00
15,458.0	88.40	179.70	9,771.5	-5,701.3	443.0	5,715.6	1.73	-1.70	-0.32
15,552.0	90.30	179.40	9,772.6	-5,795.3	443.7	5,809.5	2.05	2.02	-0.32
15,646.0	90.30	179.90	9,772.1	-5,889.3	444.3	5,903.4	0.53	0.00	0.53
15,740.0	90.10	180.30	9,771.8	-5,983.3	444.1	5,997.3	0.48	-0.21	0.43
15,834.0	90.50	180.00	9,771.3	-6,077.3	443.9	6,091.2	0.53	0.43	-0.32
15,928.0	89.40	178.50	9,771.4	-6,171.3	445.1	6,185.1	1.98	-1.17	-1.60
16,022.0	89.60	178.20	9,772.2	-6,265.2	447.8	6,279.1	0.38	0.21	-0.32
16,116.0	88.60	180.00	9,773.7	-6,359.2	449.3	6,373.1	2.19	-1.06	1.91
16,211.0	89.80	179.60	9,775.0	-6,454.2	449.6	6,468.0	1.33	1.26	-0.42
16,306.0	89.90	180.70	9,775.2	-6,549.2	449.4	6,562.9	1.16	0.11	1.16
16,400.0	90.50	180.30	9,774.9	-6,643.2	448.5	6,656.7	0.77	0.64	-0.43
16,494.0	90.10	180.10	9,774.4	-6,737.2	448.2	6,750.6	0.48	-0.43	-0.21
16,589.0	91.20	181.00	9,773.4	-6,832.2	447.3	6,845.4	1.50	1.16	0.95
16,688.0	89.90	181.60	9,772.4	-6,931.1	445.1	6,944.2	1.45	-1.31	0.61
16,784.0	89.80	181.70	9,772.7	-7,027.1	442.3	7,039.9	0.15	-0.10	0.10
16,876.0	91.60	183.50	9,771.5	-7,119.0	438.1	7,131.5	2.77	1.96	1.96
16,968.0	90.20	182.00	9,770.1	-7,210.8	433.7	7,223.1	2.23	-1.52	-1.63
17,060.0	89.30	179.20	9,770.5	-7,302.8	432.7	7,315.0	3.20	-0.98	-3.04
17,153.0	89.20	179.40	9,771.7	-7,395.8	433.9	7,407.9	0.24	-0.11	0.22
17,245.0	90.10	182.00	9,772.3	-7,487.8	432.8	7,499.7	2.99	0.98	2.83
17,337.0	90.00	178.50	9,772.2	-7,579.8	432.4	7,591.6	3.81	-0.11	-3.80
17,429.0	89.80	177.80	9,772.3	-7,671.7	435.3	7,683.6	0.79	-0.22	-0.76
17,522.0	90.30	178.80	9,772.3	-7,764.7	438.1	7,776.6	1.20	0.54	1.08
17,614.0	90.00	177.50	9,772.0	-7,856.6	441.1	7,868.6	1.45	-0.33	-1.41
17,706.0	89.70	177.20	9,772.3	-7,948.5	445.3	7,960.6	0.46	-0.33	-0.33
17,798.0	88.20	180.60	9,773.9	-8,040.5	447.1	8,052.5	4.04	-1.63	3.70
17,891.0	90.10	183.30	9,775.3	-8,133.4	443.9	8,145.2	3.55	2.04	2.90
17,983.0	90.50	181.00	9,774.8	-8,225.3	440.5	8,236.9	2.54	0.43	-2.50
18,075.0	90.80	175.30	9,773.8	-8,317.3	443.4	8,328.8	6.20	0.33	-6.20
18,167.0	88.90	176.10	9,774.0	-8,409.0	450.3	8,420.8	2.24	-2.07	0.87
18,260.0	89.70	179.10	9,775.2	-8,501.9	454.2	8,513.8	3.34	0.86	3.23
18,352.0	89.00	181.70	9,776.2	-8,593.9	453.6	8,605.6	2.93	-0.76	2.83
18,444.0	89.40	179.10	9,777.5	-8,685.9	452.9	8,697.5	2.86	0.43	-2.83
18,537.0	88.80	181.40	9,779.0	-8,778.8	452.5	8,790.3	2.56	-0.65	2.47
18,629.0	89.20	184.40	9,780.6	-8,870.7	447.9	8,881.9	3.29	0.43	3.26
18,721.0	90.60	183.20	9,780.7	-8,962.5	441.8	8,973.3	2.00	1.52	-1.30
18,813.0	90.80	176.50	9,779.6	-9,054.4	442.0	9,065.2	7.29	0.22	-7.28
18,906.0	89.00	179.20	9,779.8	-9,147.3	445.5	9,158.1	3.49	-1.94	2.90
18,998.0	90.50	179.30	9,780.2	-9,239.3	446.7	9,250.1	1.63	1.63	0.11

Stryker Energy Directional Services

Survey Report

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Yuma 3/10 W1CN State Com #1H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	3002+28 @ 3030.0usft (Patterson 230)
Site:	Section 3 10-25S-28E Yuma	MD Reference:	3002+28 @ 3030.0usft (Patterson 230)
Well:	Yuma 3/10 W1CN State 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)
19,090.0	90.90	174.80	9,779.1	-9,331.2	451.4	9,342.1	4.91	0.43	-4.89
19,183.0	89.70	178.80	9,778.6	-9,424.0	456.6	9,435.0	4.49	-1.29	4.30
19,275.0	88.80	179.20	9,779.8	-9,516.0	458.2	9,527.0	1.07	-0.98	0.43
19,367.0	89.00	180.20	9,781.5	-9,608.0	458.7	9,618.9	1.11	0.22	1.09
19,459.0	90.30	180.90	9,782.1	-9,700.0	457.8	9,710.8	1.60	1.41	0.76
19,552.0	87.80	178.40	9,783.6	-9,792.9	458.4	9,803.7	3.80	-2.69	-2.69
19,644.0	88.20	182.10	9,786.9	-9,884.9	458.0	9,895.5	4.04	0.43	4.02
19,719.0	90.60	179.90	9,787.6	-9,959.8	456.7	9,970.3	4.34	3.20	-2.93
19,757.0	90.60	179.90	9,787.2	-9,997.8	456.8	10,008.3	0.00	0.00	0.00
19757.0' Projected to bit									

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
19,757.0	9,787.2	-9,997.8	456.8	19757.0' Projected to bit

Checked By: _____ Approved By: _____ Date: _____

STRYKER
DIRECTIONAL

February 13, 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
Yuma 3 10 W1CN State Com #001H
Purple Sage; Wolfcamp (Gas)
Eddy County, New Mexico
API# 30-015-46213

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:

Name & Title	Drainhole No.	Survey Depths	Dates Performed	Type Survey
Keith Broussard	Original Hole	526ft. to 19,719ft.	11-24-19 to 12-12-19	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\Yuma 3 10 W1CN State Com #1H\M191217

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

STRYKER
DIRECTIONAL

February 13, 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 November 24, 2019, through December 12, 2019 conduct or supervise the taking of a SEDS Original Hole MWD Survey from a depth of 526feet to a depth of 19,719feet; that I am authorized and qualified to make this report; that this survey was conducted at the request of Mewbourne Oil Company, for the Yuma 3 10 W1CN State Com #1H,well API # **30-015-46213** 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.

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

Company:	Mewbourne Oil Company	**Local Co-ordinate Reference:**	Well Yuma 3/10 W1CN State Com #1H
Project:	Eddy County, N.M. Nad (83)	**TVD Reference:**	3002+28 @ 3030.0usft (Patterson 230)
Site:	Section 3 10-25S-28E Yuma	**MD Reference:**	3002+28 @ 3030.0usft (Patterson 230)
Well:	Yuma 3/10 W1CN State 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 3 10-25S-28E Yuma

Site Position:		**Northing:**	424,113.30 usft	**Latitude:**	32° 9' 56.562 N
From:	Map	**Easting:**	619,752.30 usft	**Longitude:**	104° 4' 47.698 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.13 °

Well Yuma 3/10 W1CN State Com #1H

Well Position	**+N/-S**	0.0 usft	**Northing:**	424,113.40 usft	**Latitude:**	32° 9' 56.563 N
	+E/-W	0.0 usft	**Easting:**	619,782.30 usft	**Longitude:**	104° 4' 47.349 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	28.0 usft	**Ground Level:**	3,002.0 usft

Wellbore Original Hole

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	11/13/19	6.92	59.90	47,605.65870368

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	177.38

Survey Program **Date** 12/13/19

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
526.0	19,757.0	Stryker Surveys (Original Hole)	MWD	MWD v3:standard declination

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Site:	Section 3 10-25S-28E Yuma	**MD Reference:**	3002+28 @ 3030.0usft (Patterson 230)
Well:	Yuma 3/10 W1CN State Com #1H	**North Reference:**	Grid
Wellbore:	Original Hole	**Survey Calculation Method:**	Minimum Curvature
Design:	As Drilled	**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)
400.0	0.40	144.10	400.0	0.5	0.8	0.9	57.99	0.00	424,113.90	619,783.10
401.0	0.40	144.10	401.0	0.5	0.8	0.9	58.42	0.00	424,113.89	619,783.10
First Stryker Surveys										
526.0	0.40	150.80	526.0	-0.2	1.3	1.3	100.69	0.04	424,113.16	619,783.57
586.0	0.50	161.20	586.0	-0.7	1.5	1.6	114.69	0.21	424,112.73	619,783.76
646.0	0.90	186.10	646.0	-1.4	1.5	2.0	132.89	0.82	424,112.01	619,783.79
705.0	0.90	192.80	705.0	-2.3	1.3	2.7	149.75	0.18	424,111.10	619,783.64
766.0	0.40	190.00	766.0	-3.0	1.2	3.2	158.07	0.82	424,110.42	619,783.50
861.0	0.40	211.00	861.0	-3.6	1.0	3.7	164.87	0.15	424,109.81	619,783.27
955.0	0.40	239.60	955.0	-4.0	0.5	4.1	172.69	0.21	424,109.37	619,782.82
1,048.0	0.90	33.50	1,048.0	-3.6	0.6	3.6	169.88	1.37	424,109.81	619,782.94
1,143.0	0.80	7.10	1,143.0	-2.3	1.1	2.6	153.83	0.42	424,111.09	619,783.43
1,237.0	0.60	337.00	1,237.0	-1.2	1.0	1.6	139.66	0.44	424,112.19	619,783.32
1,332.0	0.70	342.10	1,331.9	-0.2	0.7	0.7	106.71	0.12	424,113.20	619,782.95
1,426.0	0.70	336.40	1,425.9	0.9	0.2	0.9	15.58	0.07	424,114.28	619,782.54
1,520.0	0.60	322.30	1,519.9	1.8	-0.3	1.8	350.93	0.20	424,115.19	619,782.01
1,614.0	0.70	304.80	1,613.9	2.5	-1.1	2.7	337.13	0.24	424,115.91	619,781.24
1,709.0	0.70	311.20	1,708.9	3.2	-2.0	3.8	328.54	0.08	424,116.62	619,780.33
1,804.0	0.40	316.40	1,803.9	3.8	-2.6	4.7	325.56	0.32	424,117.25	619,779.66
1,898.0	0.50	91.80	1,897.9	4.1	-2.5	4.8	328.92	0.89	424,117.47	619,779.85
1,992.0	1.20	94.20	1,991.9	4.0	-1.1	4.1	345.08	0.75	424,117.39	619,781.24
2,086.0	1.10	98.10	2,085.9	3.8	0.8	3.9	12.12	0.14	424,117.19	619,783.11
2,180.0	1.70	109.50	2,179.9	3.2	3.0	4.4	43.40	0.70	424,116.59	619,785.32
2,274.0	2.30	102.40	2,273.8	2.3	6.2	6.6	69.39	0.69	424,115.72	619,788.48
2,369.0	2.70	102.80	2,368.7	1.4	10.2	10.3	82.10	0.42	424,114.82	619,792.52
2,410.0	2.50	106.50	2,409.7	1.0	12.0	12.1	85.48	0.64	424,114.35	619,794.32
2,470.0	2.00	102.30	2,469.6	0.4	14.3	14.3	88.58	0.88	424,113.76	619,796.60

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Site:	Section 3 10-25S-28E Yuma	**MD Reference:**	3002+28 @ 3030.0usft (Patterson 230)
Well:	Yuma 3/10 W1CN State Com #1H	**North Reference:**	Grid
Wellbore:	Original Hole	**Survey Calculation Method:**	Minimum Curvature
Design:	As Drilled	**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)
2,565.0	3.70	63.30	2,564.5	1.4	18.7	18.7	85.77	2.62	424,114.78	619,800.96
2,659.0	4.70	53.60	2,658.3	5.0	24.5	25.0	78.39	1.30	424,118.43	619,806.77
2,754.0	4.70	52.80	2,752.9	9.7	30.7	32.2	72.48	0.07	424,123.09	619,813.00
2,848.0	4.80	48.50	2,846.6	14.6	36.7	39.5	68.28	0.39	424,128.03	619,819.01
2,943.0	4.50	48.20	2,941.3	19.7	42.5	46.8	65.07	0.32	424,133.14	619,824.77
3,037.0	4.70	52.10	3,035.0	24.6	48.3	54.1	63.02	0.39	424,137.97	619,830.55
3,226.0	4.40	51.70	3,223.4	33.8	60.1	68.9	60.62	0.16	424,147.22	619,842.35
3,415.0	4.70	55.90	3,411.8	42.7	72.2	83.8	59.41	0.24	424,156.05	619,854.46
3,604.0	4.20	52.80	3,600.2	51.2	84.1	98.4	58.67	0.29	424,164.58	619,866.38
3,793.0	3.90	54.30	3,788.8	59.1	94.8	111.7	58.06	0.17	424,172.51	619,877.11
3,982.0	5.50	58.90	3,977.1	67.5	107.8	127.2	57.93	0.87	424,180.94	619,890.09
4,170.0	4.90	55.10	4,164.4	76.8	122.1	144.2	57.83	0.37	424,190.19	619,904.39
4,359.0	4.70	55.90	4,352.7	85.7	135.1	160.0	57.60	0.11	424,199.15	619,917.42
4,547.0	4.40	52.50	4,540.1	94.5	147.2	174.9	57.32	0.21	424,207.86	619,929.52
4,735.0	3.30	47.30	4,727.7	102.5	156.9	187.4	56.84	0.61	424,215.92	619,939.22
4,923.0	4.70	51.90	4,915.2	110.9	167.0	200.5	56.40	0.76	424,224.34	619,949.26
5,111.0	3.70	54.10	5,102.7	119.2	177.9	214.2	56.17	0.54	424,232.65	619,960.23
5,300.0	5.10	62.00	5,291.1	126.8	190.3	228.6	56.33	0.81	424,240.17	619,972.59
5,488.0	4.20	62.40	5,478.5	133.9	203.8	243.8	56.69	0.48	424,247.28	619,986.07
5,676.0	5.40	65.20	5,665.9	140.8	217.9	259.4	57.13	0.65	424,254.18	620,000.20
5,865.0	5.00	64.60	5,854.1	148.0	233.4	276.4	57.61	0.21	424,261.45	620,015.71
6,054.0	3.80	62.80	6,042.5	154.4	246.4	290.8	57.92	0.64	424,267.84	620,028.73
6,243.0	3.00	68.40	6,231.2	159.1	256.6	301.9	58.20	0.46	424,272.52	620,038.89
6,431.0	5.80	56.00	6,418.6	166.2	269.0	316.3	58.29	1.56	424,279.65	620,051.35
6,619.0	4.10	65.20	6,605.9	174.4	283.0	332.4	58.36	1.00	424,287.78	620,065.32
6,808.0	3.30	37.30	6,794.5	181.5	292.5	344.2	58.17	1.03	424,294.94	620,074.75
6,996.0	4.20	48.70	6,982.1	190.4	300.9	356.1	57.68	0.62	424,303.79	620,083.21

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Site:	Section 3 10-25S-28E Yuma	**MD Reference:**	3002+28 @ 3030.0usft (Patterson 230)
Well:	Yuma 3/10 W1CN State Com #1H	**North Reference:**	Grid
Wellbore:	Original Hole	**Survey Calculation Method:**	Minimum Curvature
Design:	As Drilled	**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)
7,185.0	5.40	53.50	7,170.5	200.2	313.3	371.8	57.41	0.67	424,313.65	620,095.55
7,374.0	4.70	57.40	7,358.7	209.7	326.9	388.4	57.32	0.41	424,323.11	620,109.23
7,562.0	4.00	60.00	7,546.2	217.1	339.1	402.7	57.37	0.39	424,330.54	620,121.39
7,751.0	4.70	45.10	7,734.6	225.9	350.3	416.8	57.18	0.70	424,339.30	620,132.59
7,940.0	4.90	46.30	7,923.0	236.9	361.6	432.3	56.77	0.12	424,350.34	620,143.91
8,129.0	3.60	45.60	8,111.5	246.7	371.7	446.1	56.43	0.69	424,360.07	620,153.98
8,317.0	4.30	55.00	8,299.0	254.8	381.7	458.9	56.27	0.51	424,368.25	620,163.98
8,505.0	4.20	53.60	8,486.5	263.0	393.0	472.9	56.21	0.08	424,376.37	620,175.29
8,693.0	2.70	57.20	8,674.2	269.5	402.3	484.2	56.18	0.81	424,382.86	620,184.55
8,882.0	2.40	62.20	8,863.0	273.7	409.5	492.6	56.24	0.20	424,387.11	620,191.80
9,070.0	1.40	117.70	9,050.9	274.5	415.0	497.6	56.52	1.05	424,387.88	620,197.31
9,132.0	1.40	135.40	9,112.9	273.6	416.2	498.1	56.68	0.69	424,386.99	620,198.51
9,199.0	3.30	169.90	9,179.8	271.1	417.1	497.5	56.98	3.41	424,384.51	620,199.43
9,246.0	10.50	184.20	9,226.4	265.5	417.1	494.4	57.52	15.63	424,378.90	620,199.35
9,293.0	16.70	186.60	9,272.1	254.5	416.0	487.6	58.54	13.24	424,367.91	620,198.26
9,340.0	21.90	186.30	9,316.4	239.1	414.2	478.3	60.01	11.07	424,352.48	620,196.52
9,387.0	26.50	187.70	9,359.3	220.0	411.9	466.9	61.89	9.86	424,333.36	620,194.15
9,434.0	30.40	187.00	9,400.6	197.8	409.0	454.3	64.19	8.33	424,311.16	620,191.30
9,481.0	33.60	184.80	9,440.5	173.0	406.5	441.7	66.95	7.25	424,286.39	620,188.76
9,528.0	37.30	181.00	9,478.7	145.8	405.1	430.6	70.21	9.16	424,259.18	620,187.42
9,575.0	41.60	175.40	9,515.0	116.0	406.1	422.4	74.06	11.87	424,229.37	620,188.43
9,622.0	45.60	174.30	9,549.1	83.7	409.0	417.5	78.44	8.66	424,197.09	620,191.35
9,670.0	50.50	176.80	9,581.2	48.1	411.8	414.6	83.34	10.92	424,161.52	620,194.08
9,717.0	53.80	179.00	9,610.0	11.0	413.1	413.3	88.47	7.93	424,124.44	620,195.43
9,763.0	59.00	180.10	9,635.4	-27.3	413.4	414.3	93.77	11.48	424,086.14	620,195.72
9,810.0	63.40	180.40	9,658.1	-68.4	413.2	418.9	99.40	9.38	424,044.96	620,195.54
9,857.0	67.10	181.30	9,677.7	-111.1	412.6	427.3	105.07	8.06	424,002.29	620,194.90

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Wellbore:	Original Hole	**Survey Calculation Method:**	Minimum Curvature
Design:	As Drilled	**Database:**	EDM5000

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
9,904.0	70.70	180.50	9,694.7	-154.9	411.9	440.1	110.61	7.82	423,958.46	620,194.21
9,922.0	72.30	180.40	9,700.4	-172.0	411.8	446.3	112.67	8.90	423,941.39	620,194.08
9,989.0	78.20	179.70	9,717.4	-236.8	411.7	475.0	119.90	8.86	423,876.63	620,194.03
10,020.0	79.30	179.80	9,723.5	-267.2	411.9	490.9	122.97	3.56	423,846.22	620,194.16
10,052.0	80.30	179.80	9,729.1	-298.7	412.0	508.8	125.94	3.12	423,814.73	620,194.27
10,083.0	81.60	179.80	9,734.0	-329.3	412.1	527.5	128.63	4.19	423,784.12	620,194.38
10,115.0	82.50	179.80	9,738.4	-361.0	412.2	547.9	131.21	2.81	423,752.42	620,194.49
10,146.0	83.40	179.60	9,742.2	-391.7	412.3	568.8	133.53	2.97	423,721.66	620,194.65
10,178.0	84.00	179.60	9,745.8	-423.5	412.6	591.3	135.75	1.87	423,689.85	620,194.87
10,209.0	84.70	179.70	9,748.8	-454.4	412.8	613.9	137.75	2.28	423,659.00	620,195.06
10,241.0	85.70	179.70	9,751.5	-486.3	412.9	637.9	139.66	3.12	423,627.12	620,195.23
10,272.0	86.60	179.50	9,753.6	-517.2	413.1	662.0	141.38	2.97	423,596.19	620,195.44
10,367.0	87.60	177.60	9,758.4	-612.1	415.5	739.8	145.83	2.26	423,501.35	620,197.84
10,461.0	89.70	177.80	9,760.6	-705.9	419.3	821.1	149.29	2.24	423,407.45	620,201.61
10,555.0	89.80	177.30	9,761.0	-799.9	423.3	905.0	152.11	0.54	423,313.54	620,205.63
10,650.0	89.10	176.80	9,761.9	-894.7	428.2	991.9	154.42	0.91	423,218.67	620,210.52
10,744.0	89.90	178.10	9,762.7	-988.6	432.4	1,079.1	156.38	1.62	423,124.77	620,214.70
10,839.0	90.30	179.90	9,762.6	-1,083.6	434.1	1,167.3	158.17	1.94	423,029.79	620,216.36
10,933.0	90.30	180.90	9,762.1	-1,177.6	433.4	1,254.8	159.79	1.06	422,935.79	620,215.71
11,028.0	89.30	180.80	9,762.4	-1,272.6	432.0	1,343.9	161.25	1.06	422,840.81	620,214.30
11,122.0	90.20	181.20	9,762.8	-1,366.6	430.4	1,432.7	162.52	1.05	422,746.82	620,212.66
11,216.0	90.20	181.40	9,762.5	-1,460.6	428.2	1,522.0	163.66	0.21	422,652.85	620,210.52
11,311.0	91.70	182.30	9,760.9	-1,555.5	425.2	1,612.5	164.71	1.84	422,557.91	620,207.46
11,405.0	91.50	181.00	9,758.3	-1,649.4	422.5	1,702.6	165.63	1.40	422,463.99	620,204.75
11,499.0	88.90	178.80	9,758.0	-1,743.4	422.6	1,793.9	166.37	3.62	422,370.01	620,204.92
11,594.0	88.70	179.50	9,760.0	-1,838.4	424.0	1,886.6	167.01	0.77	422,275.04	620,206.32
11,688.0	88.60	179.50	9,762.2	-1,932.3	424.8	1,978.5	167.60	0.11	422,181.07	620,207.14

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Well:	Yuma 3/10 W1CN State Com #1H	**North Reference:**	Grid
Wellbore:	Original Hole	**Survey Calculation Method:**	Minimum Curvature
Design:	As Drilled	**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)
11,783.0	89.60	178.80	9,763.7	-2,027.3	426.3	2,071.6	168.13	1.28	422,086.09	620,208.55
11,877.0	88.90	179.00	9,764.9	-2,121.3	428.1	2,164.0	168.59	0.77	421,992.12	620,210.36
11,972.0	89.30	178.20	9,766.4	-2,216.2	430.4	2,257.6	169.01	0.94	421,897.16	620,212.68
12,066.0	90.20	179.80	9,766.8	-2,310.2	432.0	2,350.3	169.41	1.95	421,803.18	620,214.32
12,161.0	90.10	180.50	9,766.5	-2,405.2	431.8	2,443.7	169.82	0.74	421,708.18	620,214.07
12,255.0	90.20	181.00	9,766.3	-2,499.2	430.5	2,536.0	170.23	0.54	421,614.19	620,212.84
12,349.0	89.60	180.00	9,766.5	-2,593.2	429.7	2,628.6	170.59	1.24	421,520.19	620,212.02
12,444.0	90.20	180.90	9,766.6	-2,688.2	429.0	2,722.2	170.93	1.14	421,425.20	620,211.27
12,538.0	89.30	180.40	9,767.0	-2,782.2	427.9	2,814.9	171.26	1.10	421,331.21	620,210.21
12,633.0	90.20	179.50	9,767.5	-2,877.2	428.0	2,908.8	171.54	1.34	421,236.21	620,210.29
12,727.0	89.50	179.50	9,767.7	-2,971.2	428.8	3,002.0	171.79	0.74	421,142.21	620,211.11
12,821.0	90.50	180.50	9,767.7	-3,065.2	428.8	3,095.0	172.04	1.50	421,048.22	620,211.11
12,916.0	91.20	180.60	9,766.3	-3,160.2	427.9	3,189.0	172.29	0.74	420,953.23	620,210.20
13,010.0	89.60	179.80	9,765.6	-3,254.2	427.6	3,282.1	172.51	1.90	420,859.24	620,209.87
13,104.0	89.50	179.80	9,766.4	-3,348.2	427.9	3,375.4	172.72	0.11	420,765.24	620,210.20
13,199.0	88.70	177.50	9,767.9	-3,443.1	430.1	3,469.9	172.88	2.56	420,670.29	620,212.44
13,293.0	89.70	177.60	9,769.2	-3,537.0	434.2	3,563.6	173.00	1.07	420,576.38	620,216.45
13,387.0	90.60	180.50	9,768.9	-3,631.0	435.7	3,657.0	173.16	3.23	420,482.41	620,218.01
13,481.0	90.70	181.00	9,767.9	-3,725.0	434.5	3,750.2	173.35	0.54	420,388.42	620,216.78
13,576.0	89.80	181.60	9,767.4	-3,820.0	432.3	3,844.3	173.54	1.14	420,293.45	620,214.63
13,670.0	91.30	181.40	9,766.5	-3,913.9	429.9	3,937.4	173.73	1.61	420,199.49	620,212.17
13,764.0	90.90	181.70	9,764.7	-4,007.9	427.3	4,030.6	173.91	0.53	420,105.54	620,209.62
13,858.0	90.80	181.30	9,763.3	-4,101.8	424.9	4,123.8	174.09	0.44	420,011.58	620,207.16
13,952.0	89.40	180.80	9,763.2	-4,195.8	423.1	4,217.1	174.24	1.58	419,917.60	620,205.44
14,046.0	90.10	180.50	9,763.6	-4,289.8	422.1	4,310.5	174.38	0.81	419,823.61	620,204.38
14,139.0	89.60	180.30	9,763.8	-4,382.8	421.4	4,403.0	174.51	0.58	419,730.61	620,203.73
14,233.0	89.40	179.50	9,764.7	-4,476.8	421.6	4,496.6	174.62	0.88	419,636.62	620,203.89

Company:	Mewbourne Oil Company	**Local Co-ordinate Reference:**	Well Yuma 3/10 W1CN State Com #1H
Project:	Eddy County, N.M. Nad (83)	**TVD Reference:**	3002+28 @ 3030.0usft (Patterson 230)
Site:	Section 3 10-25S-28E Yuma	**MD Reference:**	3002+28 @ 3030.0usft (Patterson 230)
Well:	Yuma 3/10 W1CN State Com #1H	**North Reference:**	Grid
Wellbore:	Original Hole	**Survey Calculation Method:**	Minimum Curvature
Design:	As Drilled	**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)
14,327.0	89.20	178.40	9,765.8	-4,570.8	423.3	4,590.3	174.71	1.19	419,542.64	620,205.61
14,421.0	89.30	178.40	9,767.0	-4,664.7	425.9	4,684.1	174.78	0.11	419,448.69	620,208.24
14,515.0	88.40	177.50	9,768.9	-4,758.6	429.3	4,778.0	174.85	1.35	419,354.77	620,211.60
14,609.0	88.00	176.90	9,771.1	-4,852.5	433.9	4,871.9	174.89	0.90	419,260.90	620,216.19
14,704.0	90.00	178.40	9,771.9	-4,947.4	437.8	4,966.7	174.94	1.90	419,165.99	620,220.08
14,798.0	88.90	178.50	9,772.8	-5,041.4	440.3	5,060.6	175.01	1.18	419,072.03	620,222.63
14,892.0	92.30	180.00	9,771.8	-5,135.3	441.6	5,154.3	175.09	3.95	418,978.06	620,223.86
14,987.0	88.80	178.90	9,770.9	-5,230.3	442.5	5,249.0	175.16	3.86	418,883.09	620,224.77
15,081.0	90.60	180.40	9,771.4	-5,324.3	443.0	5,342.7	175.24	2.49	418,789.10	620,225.34
15,175.0	90.30	180.00	9,770.6	-5,418.3	442.7	5,436.4	175.33	0.53	418,695.10	620,225.02
15,270.0	90.10	180.00	9,770.3	-5,513.3	442.7	5,531.0	175.41	0.21	418,600.10	620,225.02
15,364.0	90.00	180.00	9,770.2	-5,607.3	442.7	5,624.8	175.49	0.11	418,506.10	620,225.02
15,458.0	88.40	179.70	9,771.5	-5,701.3	443.0	5,718.5	175.56	1.73	418,412.11	620,225.26
15,552.0	90.30	179.40	9,772.6	-5,795.3	443.7	5,812.2	175.62	2.05	418,318.13	620,226.00
15,646.0	90.30	179.90	9,772.1	-5,889.3	444.3	5,906.0	175.69	0.53	418,224.13	620,226.57
15,740.0	90.10	180.30	9,771.8	-5,983.3	444.1	5,999.7	175.75	0.48	418,130.13	620,226.41
15,834.0	90.50	180.00	9,771.3	-6,077.3	443.9	6,093.5	175.82	0.53	418,036.13	620,226.16
15,928.0	89.40	178.50	9,771.4	-6,171.3	445.1	6,187.3	175.87	1.98	417,942.14	620,227.39
16,022.0	89.60	178.20	9,772.2	-6,265.2	447.8	6,281.2	175.91	0.38	417,848.19	620,230.10
16,116.0	88.60	180.00	9,773.7	-6,359.2	449.3	6,375.0	175.96	2.19	417,754.22	620,231.58
16,211.0	89.80	179.60	9,775.0	-6,454.2	449.6	6,469.8	176.02	1.33	417,659.23	620,231.91
16,306.0	89.90	180.70	9,775.2	-6,549.2	449.4	6,564.6	176.07	1.16	417,564.23	620,231.66
16,400.0	90.50	180.30	9,774.9	-6,643.2	448.5	6,658.3	176.14	0.77	417,470.23	620,230.84
16,494.0	90.10	180.10	9,774.4	-6,737.2	448.2	6,752.1	176.19	0.48	417,376.24	620,230.51
16,589.0	91.20	181.00	9,773.4	-6,832.2	447.3	6,846.8	176.25	1.50	417,281.25	620,229.60
16,688.0	89.90	181.60	9,772.4	-6,931.1	445.1	6,945.4	176.33	1.45	417,182.28	620,227.35
16,784.0	89.80	181.70	9,772.7	-7,027.1	442.3	7,041.0	176.40	0.15	417,086.32	620,224.59

Company:	Mewbourne Oil Company	**Local Co-ordinate Reference:**	Well Yuma 3/10 W1CN State Com #1H
Project:	Eddy County, N.M. Nad (83)	**TVD Reference:**	3002+28 @ 3030.0usft (Patterson 230)
Site:	Section 3 10-25S-28E Yuma	**MD Reference:**	3002+28 @ 3030.0usft (Patterson 230)
Well:	Yuma 3/10 W1CN State Com #1H	**North Reference:**	Grid
Wellbore:	Original Hole	**Survey Calculation Method:**	Minimum Curvature
Design:	As Drilled	**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)
16,876.0	91.60	183.50	9,771.5	-7,119.0	438.1	7,132.4	176.48	2.77	416,994.43	620,220.42
16,968.0	90.20	182.00	9,770.1	-7,210.8	433.7	7,223.9	176.56	2.23	416,902.55	620,216.00
17,060.0	89.30	179.20	9,770.5	-7,302.8	432.7	7,315.6	176.61	3.20	416,810.57	620,215.04
17,153.0	89.20	179.40	9,771.7	-7,395.8	433.9	7,408.5	176.64	0.24	416,717.58	620,216.18
17,245.0	90.10	182.00	9,772.3	-7,487.8	432.8	7,500.3	176.69	2.99	416,625.60	620,215.05
17,337.0	90.00	178.50	9,772.2	-7,579.8	432.4	7,592.1	176.74	3.81	416,533.62	620,214.65
17,429.0	89.80	177.80	9,772.3	-7,671.7	435.3	7,684.1	176.75	0.79	416,441.67	620,217.62
17,522.0	90.30	178.80	9,772.3	-7,764.7	438.1	7,777.0	176.77	1.20	416,348.71	620,220.38
17,614.0	90.00	177.50	9,772.0	-7,856.6	441.1	7,869.0	176.79	1.45	416,256.76	620,223.35
17,706.0	89.70	177.20	9,772.3	-7,948.5	445.3	7,961.0	176.79	0.46	416,164.86	620,227.60
17,798.0	88.20	180.60	9,774.0	-8,040.5	447.1	8,052.9	176.82	4.04	416,072.91	620,229.37
17,891.0	90.10	183.30	9,775.3	-8,133.4	443.9	8,145.5	176.88	3.55	415,979.98	620,226.21
17,983.0	90.50	181.00	9,774.8	-8,225.3	440.5	8,237.1	176.93	2.54	415,888.05	620,222.75
18,075.0	90.80	175.30	9,773.8	-8,317.3	443.4	8,329.1	176.95	6.20	415,796.15	620,225.72
18,167.0	88.90	176.10	9,774.0	-8,409.0	450.3	8,421.0	176.93	2.24	415,704.41	620,232.62
18,260.0	89.70	179.10	9,775.2	-8,501.9	454.2	8,514.0	176.94	3.34	415,611.51	620,236.51
18,352.0	89.00	181.70	9,776.2	-8,593.9	453.6	8,605.8	176.98	2.93	415,519.53	620,235.87
18,444.0	89.40	179.10	9,777.5	-8,685.9	452.9	8,697.7	177.01	2.86	415,427.55	620,235.23
18,537.0	88.80	181.40	9,779.0	-8,778.8	452.5	8,790.5	177.05	2.56	415,334.57	620,234.82
18,629.0	89.20	184.40	9,780.6	-8,870.7	447.9	8,882.0	177.11	3.29	415,242.71	620,230.17
18,721.0	90.60	183.20	9,780.7	-8,962.5	441.8	8,973.4	177.18	2.00	415,150.91	620,224.07
18,813.0	90.80	176.50	9,779.6	-9,054.4	442.0	9,065.2	177.21	7.29	415,058.97	620,224.31
18,906.0	89.00	179.20	9,779.8	-9,147.3	445.5	9,158.2	177.21	3.49	414,966.05	620,227.80
18,998.0	90.50	179.30	9,780.2	-9,239.3	446.7	9,250.1	177.23	1.63	414,874.06	620,229.01
19,090.0	90.90	174.80	9,779.1	-9,331.2	451.4	9,342.1	177.23	4.91	414,782.22	620,233.74
19,183.0	89.70	178.80	9,778.6	-9,424.0	456.6	9,435.1	177.23	4.49	414,689.38	620,238.93
19,275.0	88.80	179.20	9,779.8	-9,516.0	458.2	9,527.0	177.24	1.07	414,597.41	620,240.54

Company:	Mewbourne Oil Company	**Local Co-ordinate Reference:**	Well Yuma 3/10 W1CN State Com #1H
Project:	Eddy County, N.M. Nad (83)	**TVD Reference:**	3002+28 @ 3030.0usft (Patterson 230)
Site:	Section 3 10-25S-28E Yuma	**MD Reference:**	3002+28 @ 3030.0usft (Patterson 230)
Well:	Yuma 3/10 W1CN State Com #1H	**North Reference:**	Grid
Wellbore:	Original Hole	**Survey Calculation Method:**	Minimum Curvature
Design:	As Drilled	**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)
19,367.0	89.00	180.20	9,781.5	-9,608.0	458.7	9,618.9	177.27	1.11	414,505.43	620,241.02
19,459.0	90.30	180.90	9,782.1	-9,700.0	457.8	9,710.8	177.30	1.60	414,413.43	620,240.13
19,552.0	87.80	178.40	9,783.6	-9,792.9	458.4	9,803.7	177.32	3.80	414,320.46	620,240.70
19,644.0	88.20	182.10	9,786.9	-9,884.9	458.0	9,895.5	177.35	4.04	414,228.54	620,240.30
19,719.0	90.60	179.90	9,787.6	-9,959.8	456.7	9,970.3	177.37	4.34	414,153.56	620,238.99
19,757.0	90.60	179.90	9,787.2	-9,997.8	456.8	10,008.3	177.38	0.00	414,115.56	620,239.06
19757.0' Projected to bit										

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
401.0	401.0	0.5	0.8	First Stryker Surveys
19,757.0	9,787.2	-9,997.8	456.8	19757.0' Projected to bit

Checked By: _____ Approved By: _____ Date: _____