

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

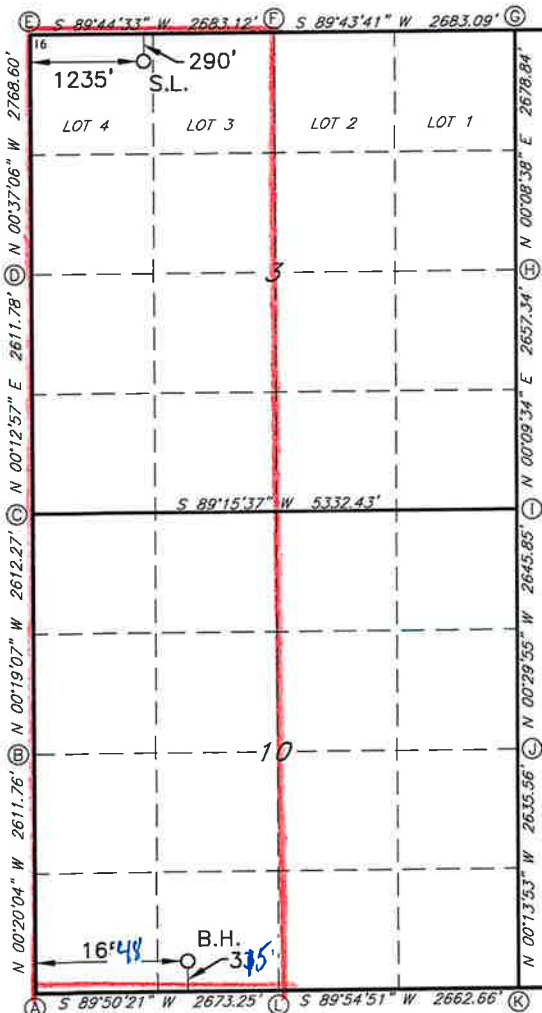
☒ AMENDED REPORT

As Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-46213		² Pool Code 98220		³ Pool Name Purple Sage; Wolfcamp (Gas)	
⁴ Property Code 326027		⁵ Property Name YUMA 3/10 WICN STATE COM			⁶ Well Number 1H
⁷ OGRID NO. 14744		⁸ Operator Name MEWBOURNE OIL COMPANY			⁹ Elevation 3002'
¹⁰ Surface Location					
UL or lot no. 4	Section 3	Township 25S	Range 28E	Lot Idn	Feet from the 290
				North/South line NORTH	Feet from the 1235
				East/West line WEST	County EDDY
¹¹ Bottom Hole Location If Different From Surface					
UL or lot no. N	Section 10	Township 25S	Range 28E	Lot Idn	Feet from the 315
				North/South line SOUTH	Feet from the 1648
				East/West line WEST	County EDDY
¹² Dedicated Acres 640.64		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.



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.

Signature: Jackie Lathan Date: 9/3/2019

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

19680

Certificate Number



RRC-Job No: LS19070747

Intent ☐ As Drilled ☒

API # 30-015-46213		Operator Name: Mewbourne Oil Company		Property Name: Yuma 3/10 W1CN State Com		Well Number #1H	
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Kick Off Point (KOP)

UL C	Section 3	Township 25S	Range 28E	Lot	Feet 19	From N/S N	Feet 1652	From E/W W	County Edley
Latitude 32.1664612					Longitude -104.0784720				NAD 83

First Take Point (FTP)

UL C	Section 3	Township 25S	Range 28E	Lot	Feet 433	From N/S N	Feet 1647	From E/W W	County Edley
Latitude 32.1653115					Longitude -104.0784886				NAD 83

Last Take Point (LTP)

UL N	Section 10	Township 25S	Range 28E	Lot	Feet 373	From N/S N	Feet 1648	From E/W W	County Edley
Latitude 32.1383797					Longitude -104.0784184				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 # 30-015-46212		Operator Name: Mewbourne Oil Co		Property Name: Yuma 3/10 W1 CN State Com		Well Number #1A	
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KZ 06/29/2018

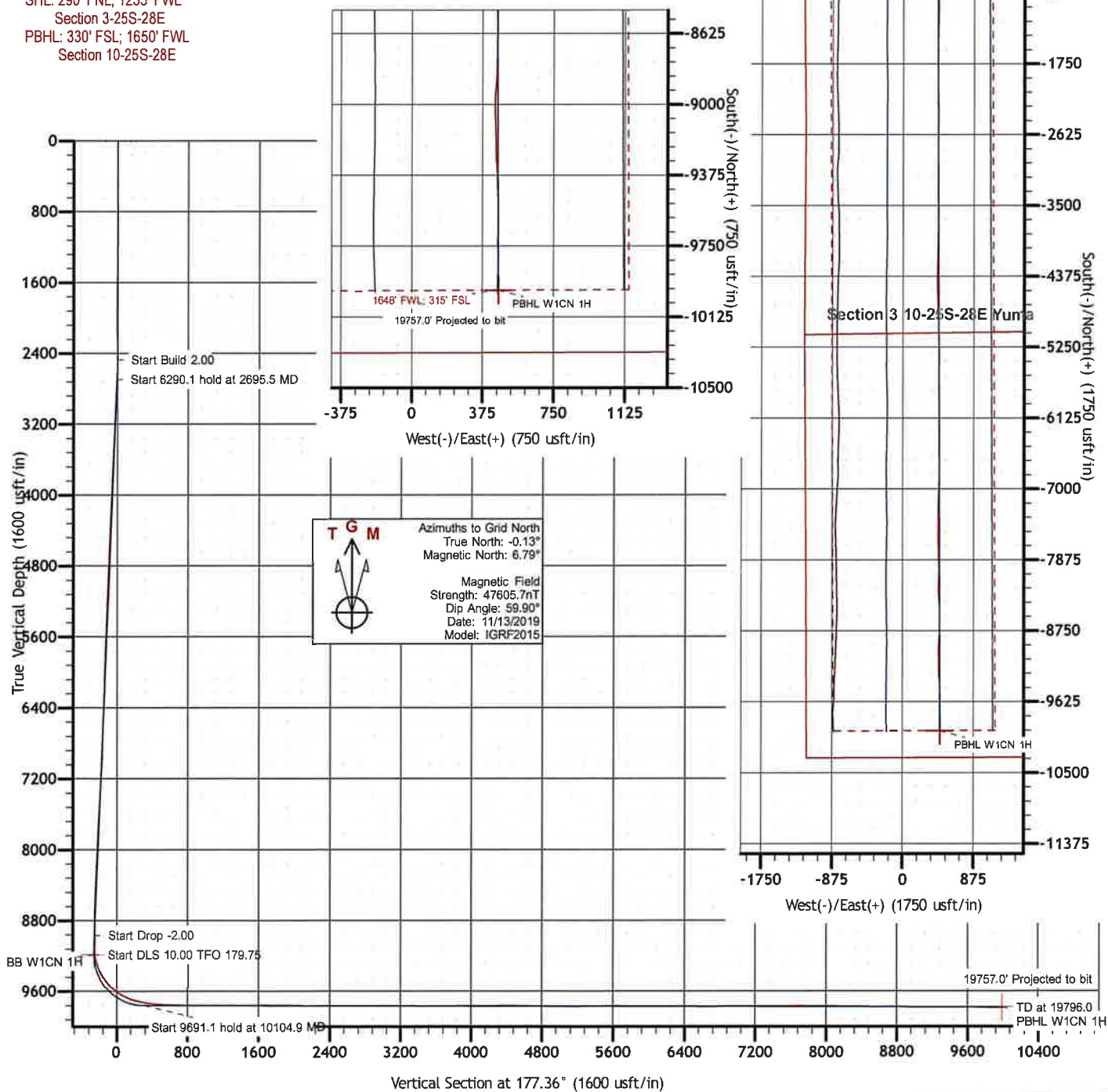
GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 6.79°

GEODETIC ZONE: New Mexico Eastern Zone 3002+28 @ 3030.0usft (Patterson 230) GROUND ELEVATION: 3002.0					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
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	VSeet	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	2895.5	4.41	55.99	2695.3	4.7	7.0	2.0	55.99	-4.4	
4	8985.6	4.41	55.99	8986.7	275.3	408.0	0.00	0.00	-256.2	
5	9206.1	0.00	0.00	9187.0	280.0	415.0	2.0	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





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 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

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

Well	Yuma 3/10 W1CN State Com #1H		
Well Position	+N/-S	0.0 usft	Northing: 424,113.40 usft
	+E/-W	0.0 usft	Easting: 619,782.30 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	28.0 usft
		Latitude:	32° 9' 56.563 N
		Longitude:	104° 4' 47.349 W
		Ground Level:	3,002.0 usft

Wellbore	Original Hole		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2015	11/13/19	6.92
			Dip Angle (°) 59.90
			Field Strength (nT) 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)
	0.0	0.0	0.0
			Direction (°) 177.38

Survey Program	Date 12/13/19		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name
526.0	19,757.0	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)	
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	



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)
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



Stryker Energy Directional Services

Survey Report



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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

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



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)
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



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)	Bulld 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		Comment
		+N/-S (usft)	+E/-W (usft)	
19,757.0	9,787.2	-9,997.8	456.8	19757.0' Projected to bit

Checked By: _____ Approved By: _____ Date: _____



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:

<u>Name & Title</u>	<u>Drainhole No.</u>	<u>Survey Depths</u>	<u>Dates Performed</u>	<u>Type Survey</u>
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.

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\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



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.

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

Eric Estes

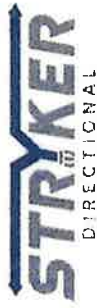
STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.

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 3 10-25S-28E Yuma
Well: Yuma 3/10 W1CN State Com #1H
Wellbore: Original Hole
Design: As Drilled

Local Co-ordinate Reference:
TVD Reference: Well Yuma 3/10 W1CN State Com #1H
3002+28 @ 3030.0usft (Patterson 230)
MD Reference: 3002+28 @ 3030.0usft (Patterson 230)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: 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 3 10-25S-28E Yuma

Site Position: Northing: 424,113.30 usft Latitude: 32° 9' 56.562 N
From: Easting: 619,752.30 usft Longitude: 104° 4' 47.698 W
Position Uncertainty: Map 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)	0.0	+N/-S (usft)	0.0	+E/-W (usft)	0.0
					Direction (°)	177.38

Survey Program	From (usft)	To (usft)	Date	Survey (Wellbore)	Tool Name	Description
	526.0	19,757.0	12/13/19	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 3 10-25S-28E Yuma
Well: Yuma 3/10 W1CN State Com #1H
Wellbore: Original Hole
Design: As Drilled

Local Co-ordinate Reference:
TVD Reference: 3002+28 @ 3030.0usft (Patterson 230)
MD Reference: 3002+28 @ 3030.0usft (Patterson 230)
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)
First Stryker Surveys	400.0	0.40	144.10	400.0	0.5	0.8	0.8	0.9	0.00	424,113.90	619,783.10
	401.0	0.40	144.10	401.0	0.5	0.8	0.8	0.9	0.00	424,113.89	619,783.10
	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	1.5	114.69	0.21	424,112.73	619,783.76
	646.0	0.90	186.10	646.0	-1.4	1.5	1.5	132.89	0.82	424,112.01	619,783.79
	705.0	0.90	192.80	705.0	-2.3	1.3	1.3	149.75	0.18	424,111.10	619,783.64
	766.0	0.40	190.00	766.0	-3.0	1.2	1.2	158.07	0.82	424,110.42	619,783.50
	861.0	0.40	211.00	861.0	-3.6	1.0	1.0	164.87	0.15	424,109.81	619,783.27
	955.0	0.40	239.60	955.0	-4.0	0.5	0.5	172.69	0.21	424,109.37	619,782.82
	1,048.0	0.90	33.50	1,048.0	-3.6	0.6	0.6	169.88	1.37	424,109.81	619,782.94
	1,143.0	0.80	7.10	1,143.0	-2.3	1.1	1.1	153.83	0.42	424,111.09	619,783.43
	1,237.0	0.60	337.00	1,237.0	-1.2	1.0	1.0	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	0.2	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	424,117.38	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	619,783.32
	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



Stryker Energy Directional Services

Survey Report Landscape



Company: Mewbourne Oil Company
Project: Eddy County, N.M. Nad (83)
Site: Section 3 10-26S-28E Yuma
Well: Yuma 3/10 WTCN State Com #1H
Wellbore: Original Hole
Design: As Drilled

Local Co-ordinate Reference:
TVD Reference: 3002+28 @ 3030.0usft (Patterson 230)
MD Reference: 3002+28 @ 3030.0usft (Patterson 230)
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)
	2,565.0	3.70	63.30	2,564.5	1.4	18.7	18.7	85.77	2.62	424,114.78	619,800.86
	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	0.94	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



Stryker Energy Directional Services

Survey Report Landscape



Company: Newbourne Oil Company
Project: Eddy County, N.M. Nad (83)
Site: Section 3 10-25S-28E Yuma
Well: Yuma 3/10 W1CN State Com #1H
Wellbore: Original Hole
Design: As Drilled

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

Well Yuma 3/10 W1CN State Com #1H
3002+28 @ 3030.0usft (Patterson 230)
3002+28 @ 3030.0usft (Patterson 230)
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)
	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	285.5	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	9,656.1	-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



Stryker Energy Directional Services

Survey Report Landscape



Company: Mewbourne Oil Company
Project: Eddy County, N.M. Nad (83)
Site: Section 3 10-25S-28E Yuma
Well: Yuma 3/10 WTCN State Com #1H
Wellbore: Original Hole
Design: As Drilled

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

Well Yuma 3/10 WTCN State Com #1H
3002+28 @ 3030.0usft (Patterson 230)
3002+28 @ 3030.0usft (Patterson 230)
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)
	9,904.0	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	423,688.85	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
	10,850.0	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	159.17	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	1.08	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	1.08	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	167.80	0.11	422,181.07	620,207.14



Stryker Energy Directional Services

Survey Report Landscape



Company: Mebourne Oil Company
Project: Eddy County, N.M. Nad (83)
Site: Section 3 10-25S-28E Yuma
Well: Yuma 3/10 W1CN State Com #1H
Wellbore: Original Hole
Design: As Drilled

Local Co-ordinate Reference: Well Yuma 3/10 W1CN State Com #1H
TVD Reference: 3002+28 @ 3030.0usft (Patterson 230)
MD Reference: 3002+28 @ 3030.0usft (Patterson 230)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM5000

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	EW (usft)	Closure Distance (usft)	Closure Azimuth (°)	D Leg (°/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	422,088.09	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	428.7	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	0.91	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



Stryker Energy Directional Services

Survey Report Landscape



Company: Mewbourne Oil Company
Project: Eddy County, N.M. Nad (83)
Site: Section 3 10-25S-28E Yuma
Well: Yuma 3/10 WICN State Com #1H
Wellbore: Original Hole
Design: As Drilled

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

Well Yuma 3/10 WICN State Com #1H
3002+28 @ 3030.0usft (Patterson 230)
3002+28 @ 3030.0usft (Patterson 230)
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)
	14,327.0	89.20	178.40	9,765.8	-4,570.8	423.3	4,590.3	174.71	1.18	419,542.64	620,205.61
	14,421.0	89.30	178.40	9,767.0	-4,664.7	425.8	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	428.3	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	4,871.8	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	4,968.7	174.94	1.90	419,165.99	620,220.08
	14,798.0	88.80	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	441.8	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	620,228.41
	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	88.80	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	620,231.86
	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	620,229.80
	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



Stryker Energy Directional Services

Survey Report Landscape



Company: Mewbourne Oil Company
Project: Eddy County, N.M. Nad (83)
Site: Section 3 10-25S-28E Yuma
Well: Yuma 3/10 W1CN State Com #1H
Wellbore: Original Hole
Design: As Drilled

Local Co-ordinate Reference:
TVD Reference: Well Yuma 3/10 W1CN State Com #1H
MD Reference: 3002+28 @ 3030.0usft (Patterson 230)
North Reference: 3002+28 @ 3030.0usft (Patterson 230)
Survey Calculation Method: Grid
Database: Minimum Curvature
EDM5000

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
	16,876.0	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	178.40	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	9,156.2	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	620,235.74
	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	620,236.93
	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



Stryker Energy Directional Services

Survey Report Landscape



Company: Mewbourne Oil Company
Project: Eddy County, N.M. Nad (83)
Site: Section 3 10-25S-28E Yuma
Well: Yuma 3/10 W1CN State Com #1H
Wellbore: Original Hole
Design: As Drilled

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

Well Yuma 3/10 W1CN State Com #1H
3002+28 @ 3030.0usft (Patterson 230)
3002+28 @ 3030.0usft (Patterson 230)
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)
19,367.0	89.00	180.20	9,781.5	-9,808.0	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	-8,700.0	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	414,115.58	620,239.06
19767.0' Projected to bit										

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

Checked By: _____ Date: _____

Approved By: _____