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District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised August 1, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Mewbourne Oil Company PO Box 5270 Hobbs, NM 88241		² OGRID Number 14744
		³ Reason for Filing Code/ Effective Date NW / 12/02/20
⁴ API Number 30-015-46621	⁵ Pool Name Purple Sage; Wolfcamp	⁶ Pool Code 98220
⁷ Property Code 327005	⁸ Property Name Kansas 21/28 W0KN Fed Com	⁹ Well Number 4H

II. ¹⁰ Surface Location

UL or lot no. K	Section 21	Township 24S	Range 28E	Lot Idn	Feet from the 2430	North/South Line South	Feet from the 2100	East/West line West	County Eddy
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¹¹ Bottom Hole Location

UL or lot no. N	Section 28	Township 24S	Range 28E	Lot Idn	Feet from the 318	North/South line South	Feet from the 2271	East/West line West	County Eddy
¹² Lse Code F	¹³ Producing Method Code Gas Lift	¹⁴ Gas Connection Date 12/02/20	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
	Oryx 4000 N Big Spring Midland, TX 79701	O
282301	Crestwood New Mexico Pipeline 801 Cherry Street Suite 3800 Fort Worth, TX 76102	G

IV. Well Completion Data

²¹ Spud Date 03/13/20	²² Ready Date 12/02/20	²³ TD 16995' MD	²⁴ PBDT 16942'	²⁵ Perforations 9620' - 16934'	²⁶ DHC, MC NA
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 ½"	13 ¾" 54.5# J55	455'	375		
12 ¼"	9 ⅝" 40# HCL80	3538'	850		
8 ¾"	7" 29# HCP110	9725'	675		
6 ⅝"	4 ½" 13.5# HCP110 3 ½"	8901' - 16994' 8874'	675		

V. Well Test Data

³¹ Date New Oil 12/02/2020	³² Gas Delivery Date 12/02/2020	³³ Test Date 12/30/2020	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure 1105	³⁶ Csg. Pressure 165
³⁷ Choke Size N/A	³⁸ Oil 1544	³⁹ Water 4154	⁴⁰ Gas 2088		⁴¹ Test Method Production

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Printed name:
Jackie Lathan

Title:
Regulatory

E-mail Address:

jlathan@mewbourne.com

Date:

01/19/2021

Phone:

575-393-5905

OIL CONSERVATION DIVISION

Approved by: KURT SIMMONS

Title: NMOCD

Approval Date: 02/26/2021

Received by OCD: 2/4/2021 10:17:27 AM

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 30-015-46621	² Pool Code 98220	³ Pool Name Purple Sage; Wolfcamp (Gas)
⁴ Property Code 327005	⁵ Property Name KANSAS 21/28 WOKN FED COM	⁶ Well Number 4H
⁷ GRID NO. 14744	⁸ Operator Name MEWBOURNE OIL COMPANY	⁹ Elevation 3033'

¹⁰ Surface Location

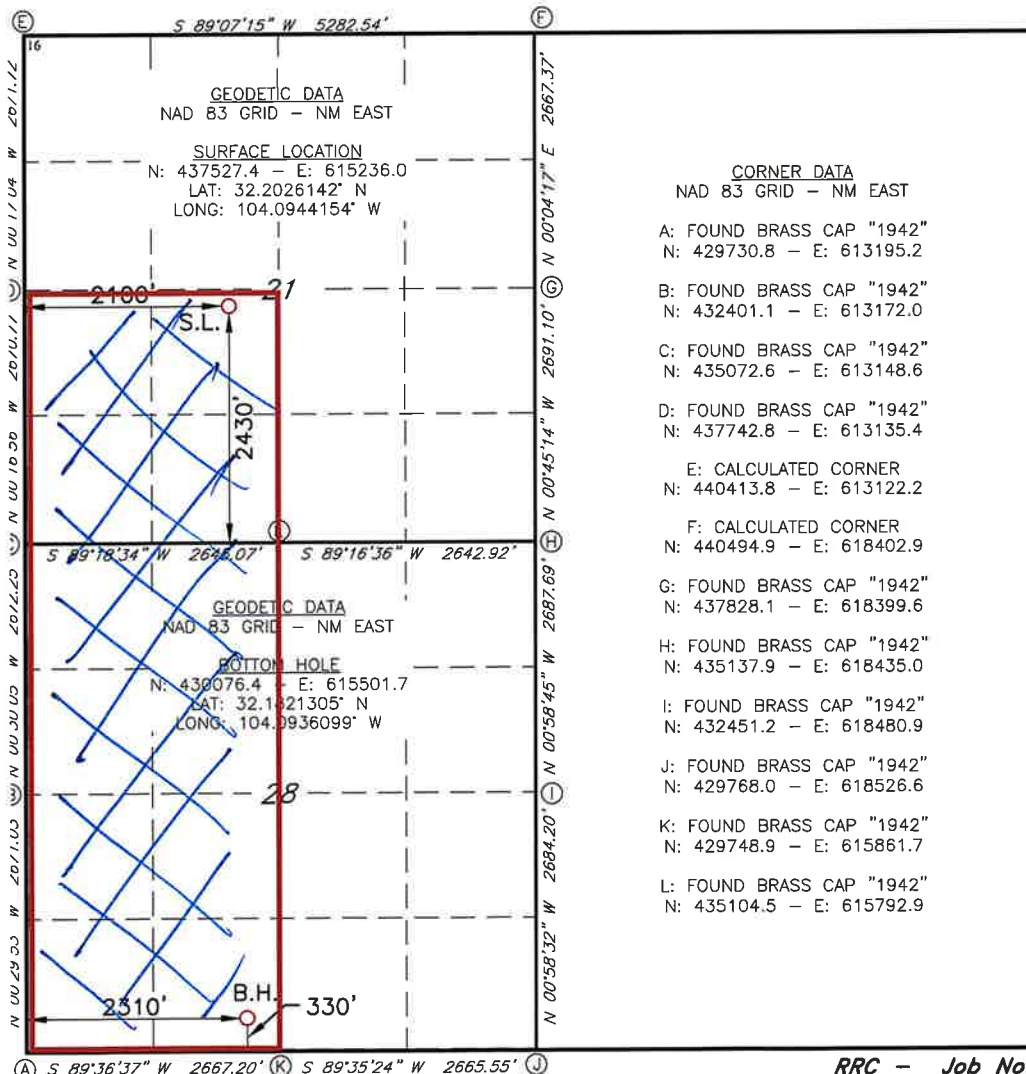
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
K	21	24S	28E		2430	SOUTH	2100	WEST	EDDY

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	28	24S	28E		318	SOUTH	2271	WEST	EDDY

¹² Dedicated Acres 480	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

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: 12/21/2020

Printed Name: Jackie Lathan

E-mail Address: jlathan@mewbourne.com

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.

03-06-2019

Date of Survey

Signature and Seal of Professional Surveyor

19680

Certificate Number



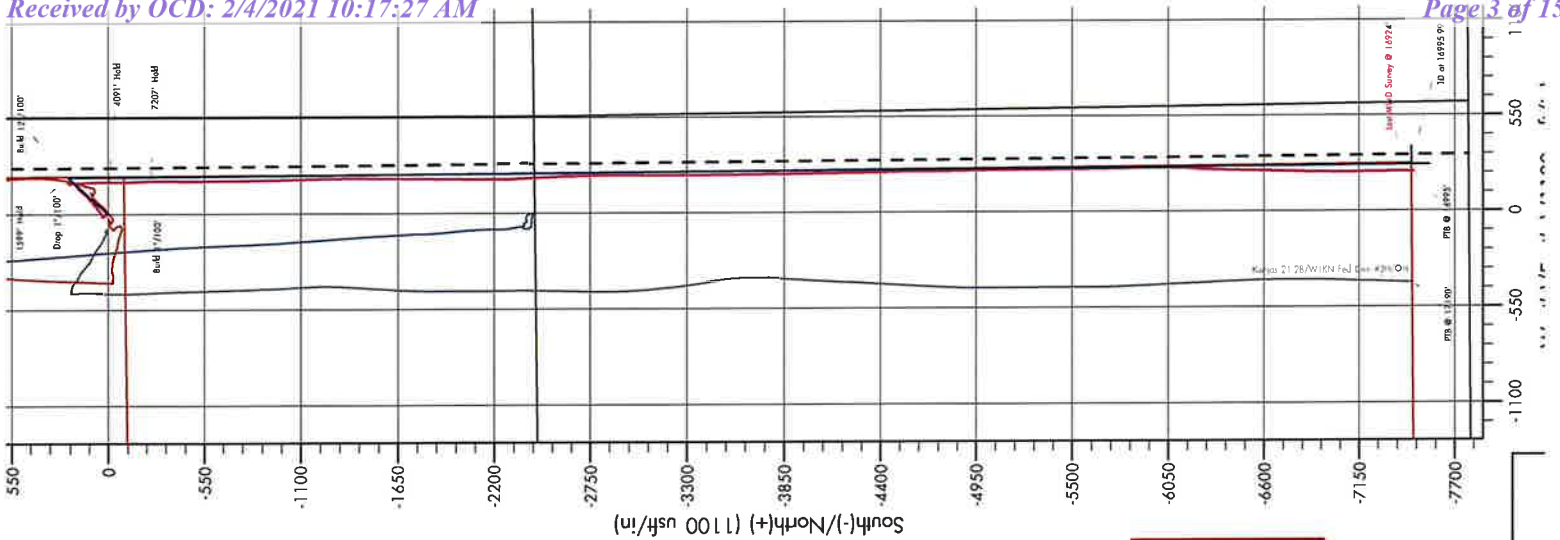
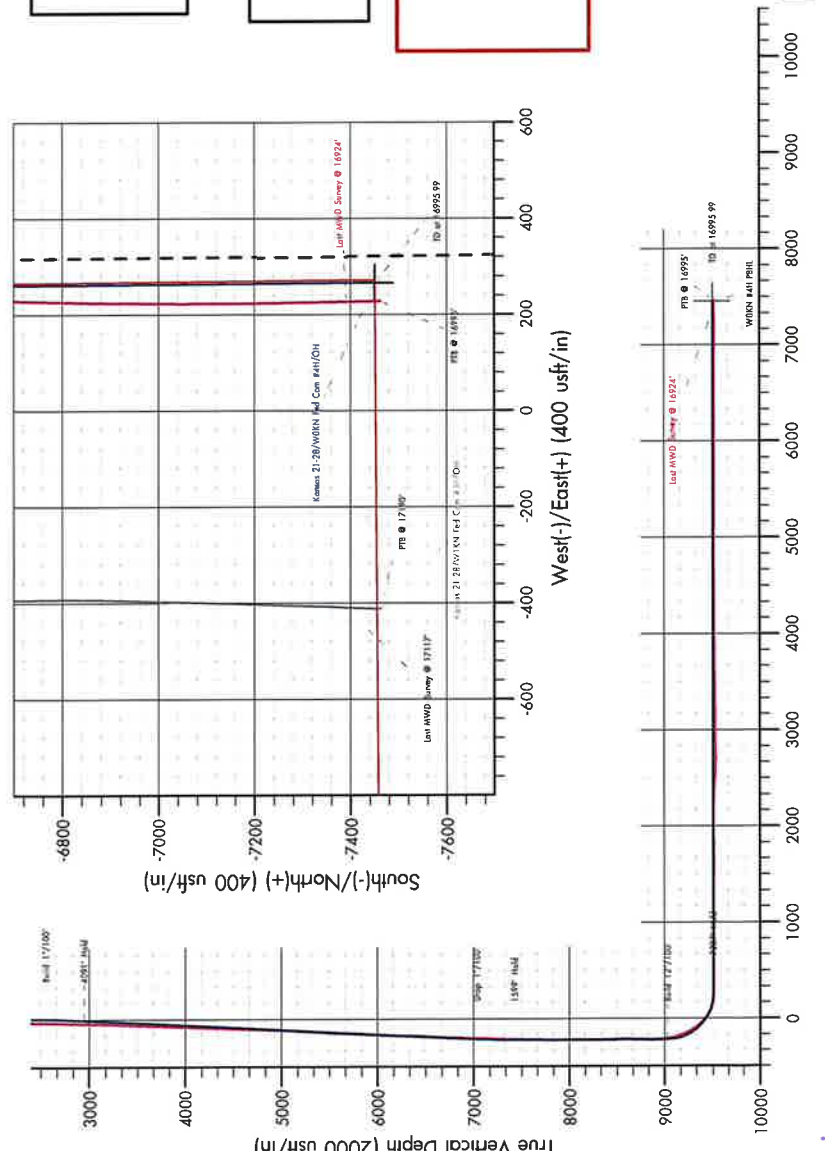
RRC - Job No.:

RRC-Job No: LS19030322



WELL DETAILS: WOKN Fed Com #4H					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	437527.40	615236.00	32.202614	-104.094415
WELLBORE TARGET DETAILS (LAT/LONG)					
Name	TVD	+N/-S	+E/-W	Northing	Easting
WOKN #4H PBHL	9506.00	-7451.00	265.70	430076.40	615501.70
Slope Point					

SECTION DETAILS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TTrace	V'Sect	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Build 1°/100'
2550.06	0.00	0.00	2550.00	0.00	0.00	0.00	0.00	0.00	4091' Hold
2950.06	4.00	41.93	2949.73	10.39	9.33	1.00	41.93	-10.05	Drop 1°/100'
7040.56	4.00	41.93	7030.27	222.71	200.01	0.00	0.00	-215.44	1599' Hold
7440.62	0.00	0.00	7430.00	233.10	209.34	1.00	180.00	-225.49	Build 12°/100'
9039.15	0.00	0.00	9028.54	233.10	209.34	0.00	0.00	-225.49	Build 12°/100'
9789.15	90.00	179.58	9506.00	-244.35	212.84	12.00	179.58	251.78	7207' Hold
6995.99	90.00	179.58	9506.00	-7451.00	265.70	0.00	0.00	7455.74	TD at 16995.99



-Back Build- 2660' FSL & 2310' FWL

50' Dotted Buffer Line *DO NOT CROSS*

WOKN #4H SHL: 2430' FSL & 2100' FWL

#4H PBHL: 330' FSL & 2310' FWL

Hard Lines: 330' FSL 2340' FSL 2315' FWL 330' FWL

Plan: Plan #1 (WOKN Fed Com #4H/CH)



MEWBOURNE
OIL COMPANY

Mewbourne Oil Company

Eddy Co., NM (NAD 83)

Kansas 21-28

W0KN Fed Com #4H

OH

Design: OH

Standard Survey Report

29 March, 2020





Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well W0KN Fed Com #4H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	RKB=28' @ 3061.00usft (Pat. 244)
Site:	Kansas 21-28	MD Reference:	RKB=28' @ 3061.00usft (Pat. 244)
Well:	W0KN Fed Com #4H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Project	Eddy Co., NM (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	Kansas 21-28		
Site Position:		Northing:	437,526.30 usft
From:	Map	Easting:	615,146.00 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32.202612
		Longitude:	-104.094707
		Grid Convergence:	0.13 °

Well	W0KN Fed Com #4H		
Well Position	+N/-S	0.00 usft	Northing: 437,527.40 usft
	+E/-W	0.00 usft	Easting: 615,236.00 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft
		Latitude:	32.202614
		Longitude:	-104.094416
		Ground Level:	3,033.00 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination (°)
	HDGM	12/10/19	7.07
			Dip Angle (°)
			59.90
			Field Strength (nT)
			47,824.10000000

Design	OH		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.00	0.00	0.00
			Direction (°)
			177.96

Survey Program	Date	03/29/20		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
191.00	16,995.00	MWD Survey (OH)	MWD	OWSG MWD - Standard

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
191.00	0.30	59.94	191.00	0.25	0.43	-0.23	0.16	0.16	0.00	
280.00	0.50	34.94	280.00	0.69	0.86	-0.65	0.29	0.22	-28.09	
371.00	0.30	323.94	371.00	1.20	0.94	-1.17	0.54	-0.22	-78.02	
452.00	0.30	334.94	451.99	1.57	0.73	-1.54	0.07	0.00	13.58	
498.00	0.57	322.82	497.99	1.86	0.54	-1.84	0.62	0.59	-26.35	
589.00	0.64	322.61	588.99	2.62	-0.04	-2.62	0.08	0.08	-0.23	
681.00	0.89	346.25	680.98	3.73	-0.52	-3.74	0.43	0.27	25.70	
776.00	1.07	349.64	775.97	5.31	-0.86	-5.34	0.20	0.19	3.57	
870.00	0.98	348.76	869.95	6.97	-1.17	-7.00	0.10	-0.10	-0.94	



Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well W0KN Fed Com #4H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	RKB=28' @ 3061.00usft (Pat. 244)
Site:	Kansas 21-28	MD Reference:	RKB=28' @ 3061.00usft (Pat. 244)
Well:	W0KN Fed Com #4H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

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)
963.00	1.17	358.80	962.93	8.70	-1.35	-8.74	0.29	0.20	10.80
1,057.00	1.37	350.26	1,056.91	10.76	-1.56	-10.81	0.29	0.21	-9.09
1,150.00	1.43	341.94	1,149.88	12.96	-2.11	-13.03	0.23	0.06	-8.95
1,244.00	1.28	334.08	1,243.86	15.02	-2.93	-15.12	0.25	-0.16	-8.36
1,337.00	1.37	326.97	1,336.83	16.89	-3.99	-17.02	0.20	0.10	-7.65
1,431.00	1.52	325.91	1,430.80	18.86	-5.30	-19.04	0.16	0.16	-1.13
1,525.00	1.62	319.76	1,524.77	20.91	-6.86	-21.14	0.21	0.11	-6.54
1,618.00	1.70	312.51	1,617.73	22.84	-8.72	-23.14	0.24	0.09	-7.80
1,711.00	1.87	309.03	1,710.68	24.73	-10.92	-25.10	0.22	0.18	-3.74
1,803.00	1.83	316.71	1,802.64	26.75	-13.09	-27.20	0.27	-0.04	8.35
1,896.00	1.31	325.39	1,895.60	28.70	-14.71	-29.21	0.61	-0.56	9.33
1,990.00	1.02	335.57	1,989.58	30.35	-15.67	-30.89	0.38	-0.31	10.83
2,085.00	0.94	348.47	2,084.57	31.88	-16.18	-32.44	0.25	-0.08	13.58
2,178.00	0.63	34.13	2,177.56	33.05	-16.04	-33.60	0.72	-0.33	49.10
2,272.00	0.86	69.28	2,271.55	33.73	-15.09	-34.25	0.53	0.24	37.39
2,365.00	1.23	83.73	2,364.54	34.09	-13.45	-34.54	0.49	0.40	15.54
2,458.00	1.46	67.83	2,457.51	34.64	-11.36	-35.02	0.47	0.25	-17.10
2,551.00	1.78	58.39	2,550.47	35.85	-9.03	-36.14	0.45	0.34	-10.15
2,644.00	1.79	62.08	2,643.43	37.28	-6.52	-37.49	0.12	0.01	3.97
2,737.00	2.53	60.97	2,736.36	38.96	-3.44	-39.06	0.80	0.80	-1.19
2,830.00	3.65	60.76	2,829.23	41.40	0.94	-41.34	1.20	1.20	-0.23
2,925.00	3.33	59.53	2,924.05	44.28	5.96	-44.04	0.35	-0.34	-1.29
3,018.00	3.40	58.31	3,016.89	47.10	10.63	-46.69	0.11	0.08	-1.31
3,112.00	3.45	55.23	3,110.72	50.17	15.33	-49.60	0.20	0.05	-3.28
3,206.00	3.51	54.88	3,204.55	53.44	20.00	-52.70	0.07	0.06	-0.37
3,298.00	3.58	55.27	3,296.37	56.70	24.67	-55.78	0.08	0.08	0.42
3,391.00	3.35	52.57	3,389.20	60.00	29.21	-58.93	0.30	-0.25	-2.90
3,469.00	3.51	52.38	3,467.06	62.85	32.91	-61.64	0.21	0.21	-0.24
3,597.00	3.67	52.93	3,594.81	67.71	39.28	-66.27	0.13	0.13	0.43
3,690.00	3.57	49.54	3,687.62	71.38	43.86	-69.77	0.25	-0.11	-3.65
3,784.00	3.65	45.87	3,781.44	75.36	48.24	-73.60	0.26	0.09	-3.90
3,878.00	3.33	42.25	3,875.26	79.47	52.22	-77.56	0.41	-0.34	-3.85
3,971.00	3.57	47.57	3,968.10	83.42	56.17	-81.37	0.43	0.26	5.72
4,065.00	4.28	54.79	4,061.88	87.42	61.20	-85.18	0.92	0.76	7.68
4,159.00	3.95	51.36	4,155.63	91.46	66.59	-89.03	0.44	-0.35	-3.65
4,251.00	3.85	51.44	4,247.42	95.37	71.48	-92.76	0.11	-0.11	0.09
4,344.00	3.70	48.90	4,340.22	99.28	76.19	-96.51	0.24	-0.16	-2.73
4,437.00	3.42	46.72	4,433.04	103.16	80.47	-100.23	0.33	-0.30	-2.34
4,530.00	3.20	45.41	4,525.88	106.88	84.34	-103.81	0.25	-0.24	-1.41
4,623.00	3.04	48.23	4,618.75	110.35	88.02	-107.14	0.24	-0.17	3.03
4,716.00	2.72	47.37	4,711.63	113.48	91.49	-110.16	0.35	-0.34	-0.92
4,809.00	3.00	44.26	4,804.51	116.72	94.81	-113.27	0.34	0.30	-3.34
4,902.00	3.26	43.38	4,897.37	120.39	98.32	-116.81	0.28	0.28	-0.95
4,996.00	2.70	40.00	4,991.25	124.03	101.58	-120.33	0.62	-0.60	-3.60



Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well W0KN Fed Com #4H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	RKB=28' @ 3061.00usft (Pat. 244)
Site:	Kansas 21-28	MD Reference:	RKB=28' @ 3061.00usft (Pat. 244)
Well:	W0KN Fed Com #4H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

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)	
5,090.00	4.10	41.00	5,085.08	128.26	105.21	-124.43	1.49	1.49	1.06	
5,184.00	4.72	43.23	5,178.80	133.61	110.06	-129.61	0.68	0.66	2.37	
5,279.00	4.48	43.16	5,273.49	139.17	115.28	-134.97	0.25	-0.25	-0.07	
5,372.00	4.30	43.01	5,366.22	144.37	120.14	-140.00	0.19	-0.19	-0.16	
5,465.00	3.81	40.41	5,458.99	149.27	124.52	-144.74	0.56	-0.53	-2.80	
5,559.00	3.76	40.66	5,552.78	153.98	128.56	-149.31	0.06	-0.05	0.27	
5,653.00	3.52	40.48	5,646.59	158.52	132.44	-153.70	0.26	-0.26	-0.19	
5,746.00	3.50	39.87	5,739.42	162.87	136.11	-157.92	0.05	-0.02	-0.66	
5,839.00	4.11	46.18	5,832.21	167.35	140.33	-162.25	0.79	0.66	6.78	
5,934.00	4.02	49.94	5,926.97	171.85	145.34	-166.57	0.30	-0.09	3.96	
6,027.00	3.67	50.59	6,019.77	175.84	150.13	-170.39	0.38	-0.38	0.70	
6,120.00	4.33	50.69	6,112.54	179.96	155.15	-174.32	0.71	0.71	0.11	
6,214.00	4.33	54.36	6,206.27	184.27	160.78	-178.43	0.29	0.00	3.90	
6,308.00	4.86	50.55	6,299.97	188.87	166.74	-182.81	0.65	0.56	-4.05	
6,401.00	4.11	50.34	6,392.68	193.50	172.35	-187.24	0.81	-0.81	-0.23	
6,495.00	2.73	45.86	6,486.51	197.21	176.55	-190.80	1.49	-1.47	-4.77	
6,588.00	1.90	42.47	6,579.44	199.89	179.18	-193.38	0.90	-0.89	-3.65	
6,682.00	1.99	24.84	6,673.38	202.52	180.91	-195.95	0.64	0.10	-18.76	
6,775.00	1.45	12.58	6,766.34	205.13	181.85	-198.53	0.70	-0.58	-13.18	
6,870.00	1.86	8.15	6,861.30	207.83	182.33	-201.21	0.45	0.43	-4.66	
6,964.00	2.75	25.30	6,955.23	211.38	183.51	-204.71	1.19	0.95	18.24	
7,058.00	2.47	24.28	7,049.13	215.27	185.31	-208.53	0.30	-0.30	-1.09	
7,152.00	1.95	18.96	7,143.06	218.62	186.66	-211.84	0.59	-0.55	-5.66	
7,245.00	1.44	358.28	7,236.02	221.29	187.14	-214.49	0.85	-0.55	-22.24	
7,340.00	1.07	336.14	7,330.99	223.29	186.74	-216.50	0.64	-0.39	-23.31	
7,433.00	1.71	12.19	7,423.97	225.44	186.68	-218.66	1.13	0.69	38.76	
7,526.00	1.16	19.50	7,516.94	227.69	187.29	-220.88	0.62	-0.59	7.86	
7,619.00	1.10	20.87	7,609.92	229.41	187.92	-222.57	0.07	-0.06	1.47	
7,712.00	0.82	337.19	7,702.91	230.86	187.98	-224.02	0.82	-0.30	-46.97	
7,807.00	1.19	268.64	7,797.90	231.46	186.73	-224.67	1.23	0.39	-72.16	
7,901.00	0.95	279.87	7,891.88	231.57	184.99	-224.84	0.34	-0.26	11.95	
7,995.00	0.56	263.89	7,985.87	231.65	183.77	-224.97	0.47	-0.41	-17.00	
8,090.00	0.79	276.93	8,080.87	231.68	182.65	-225.04	0.29	0.24	13.73	
8,185.00	0.73	276.21	8,175.86	231.83	181.40	-225.22	0.06	-0.06	-0.76	
8,280.00	0.71	250.99	8,270.85	231.70	180.24	-225.14	0.33	-0.02	-26.55	
8,373.00	0.60	240.69	8,363.84	231.28	179.28	-224.75	0.17	-0.12	-11.08	
8,467.00	0.73	232.19	8,457.84	230.67	178.37	-224.17	0.17	0.14	-9.04	
8,561.00	0.39	254.65	8,551.83	230.22	177.59	-223.75	0.42	-0.36	23.89	
8,655.00	0.48	217.08	8,645.83	229.82	177.05	-223.37	0.31	0.10	-39.97	
8,749.00	0.50	216.19	8,739.83	229.17	176.57	-222.74	0.02	0.02	-0.95	
8,843.00	0.54	238.57	8,833.82	228.61	175.95	-222.20	0.22	0.04	23.81	
8,928.00	0.81	250.86	8,918.82	228.20	175.04	-221.83	0.36	0.32	14.46	
8,960.00	0.81	248.86	8,950.81	228.05	174.61	-221.69	0.09	0.00	-6.25	



Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well W0KN Fed Corn #4H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	RKB=28' @ 3061.00usft (Pat. 244)
Site:	Kansas 21-28	MD Reference:	RKB=28' @ 3061.00usft (Pat. 244)
Well:	W0KN Fed Corn #4H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,053.00	7.74	175.60	9,043.52	221.56	174.48	-215.21	8.11	7.45	-78.77
9,147.00	17.33	172.23	9,135.17	201.33	176.86	-194.90	10.23	10.20	-3.59
9,240.00	25.57	178.52	9,221.67	167.48	179.26	-160.99	9.19	8.86	6.76
9,287.00	30.17	178.83	9,263.21	145.52	179.76	-139.03	9.79	9.79	0.66
9,333.00	34.25	178.00	9,302.12	121.02	180.45	-114.52	8.92	8.87	-1.80
9,364.00	36.98	177.61	9,327.32	102.98	181.14	-96.46	8.84	8.81	-1.26
9,427.00	41.29	176.90	9,376.17	63.27	183.06	-56.72	6.88	6.84	-1.13
9,474.00	47.78	179.03	9,409.66	30.35	184.19	-23.77	14.17	13.81	4.53
9,521.00	53.73	181.10	9,439.38	-6.03	184.12	12.58	13.11	12.66	4.40
9,568.00	62.73	180.81	9,464.10	-45.94	183.46	52.44	19.16	19.15	-0.62
9,614.00	68.57	178.96	9,483.06	-87.83	183.56	94.31	13.21	12.70	-4.02
9,661.00	76.99	177.27	9,496.97	-132.65	185.05	139.16	18.24	17.91	-3.60
9,691.00	81.13	176.82	9,502.66	-162.06	186.57	168.60	13.88	13.80	-1.50
9,786.00	87.59	180.08	9,511.99	-256.51	189.11	263.08	7.61	6.80	3.43
9,879.00	90.98	180.64	9,513.15	-349.48	188.53	355.97	3.69	3.65	0.60
9,974.00	91.46	180.22	9,511.13	-444.46	187.82	450.86	0.67	0.51	-0.44
10,068.00	90.50	180.03	9,509.52	-538.44	187.61	544.78	1.04	-1.02	-0.20
10,161.00	89.97	179.93	9,509.14	-631.44	187.64	637.72	0.58	-0.57	-0.11
10,256.00	90.81	179.26	9,508.49	-726.44	188.31	732.68	1.13	0.88	-0.71
10,349.00	89.78	178.50	9,508.01	-819.42	190.13	825.66	1.38	-1.11	-0.82
10,442.00	89.72	178.71	9,508.42	-912.39	192.40	918.66	0.23	-0.06	0.23
10,536.00	89.10	180.06	9,509.39	-1,006.37	193.41	1,012.62	1.58	-0.66	1.44
10,629.00	90.08	178.25	9,510.05	-1,099.36	194.78	1,105.59	2.21	1.05	-1.95
10,722.00	89.64	177.76	9,510.28	-1,192.30	198.01	1,198.59	0.71	-0.47	-0.53
10,816.00	89.27	179.02	9,511.17	-1,286.26	200.66	1,292.58	1.40	-0.39	1.34
10,909.00	88.57	179.20	9,512.93	-1,379.23	202.10	1,385.55	0.78	-0.75	0.19
11,002.00	89.89	180.58	9,514.18	-1,472.21	202.28	1,478.48	2.05	1.42	1.48
11,096.00	90.36	180.99	9,513.97	-1,566.21	200.99	1,572.37	0.66	0.50	0.44
11,189.00	90.17	180.97	9,513.54	-1,659.19	199.40	1,665.24	0.21	-0.20	-0.02
11,283.00	90.14	180.64	9,513.29	-1,753.18	198.08	1,759.12	0.35	-0.03	-0.35
11,376.00	89.10	180.56	9,513.90	-1,846.17	197.10	1,852.02	1.12	-1.12	-0.09
11,469.00	89.80	180.11	9,514.80	-1,939.17	196.56	1,944.93	0.89	0.75	-0.48
11,563.00	89.72	180.44	9,515.19	-2,033.16	196.11	2,038.86	0.36	-0.09	0.35
11,655.00	90.36	180.68	9,515.13	-2,125.16	195.21	2,130.76	0.74	0.70	0.26
11,748.00	90.90	180.13	9,514.10	-2,218.15	194.55	2,223.67	0.83	0.58	-0.59
11,842.00	87.56	177.39	9,515.37	-2,312.10	196.59	2,317.63	4.60	-3.55	-2.91
11,936.00	87.08	177.13	9,519.76	-2,405.89	201.07	2,411.52	0.58	-0.51	-0.28
12,030.00	86.04	177.47	9,525.40	-2,499.61	205.49	2,505.34	1.16	-1.11	0.36
12,106.00	85.99	176.47	9,530.69	-2,575.32	209.50	2,581.15	1.31	-0.07	-1.32
12,171.00	88.68	177.52	9,533.71	-2,640.15	212.91	2,646.06	4.44	4.14	1.62
12,218.00	90.59	179.47	9,534.01	-2,687.13	214.14	2,693.05	5.81	4.06	4.15
12,312.00	91.34	179.83	9,532.42	-2,781.12	214.71	2,787.00	0.89	0.80	0.38
12,405.00	91.79	179.55	9,529.88	-2,874.08	215.22	2,879.92	0.57	0.48	-0.30



Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well W0KN Fed Com #4H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	RKB=28' @ 3061.00usft (Pat. 244)
Site:	Kansas 21-28	MD Reference:	RKB=28' @ 3061.00usft (Pat. 244)
Well:	W0KN Fed Com #4H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,498.00	91.34	180.85	9,527.34	-2,967.04	214.89	2,972.81	1.48	-0.48	1.40
12,591.00	89.27	179.73	9,526.85	-3,060.03	214.42	3,065.73	2.53	-2.23	-1.20
12,685.00	90.70	180.61	9,526.87	-3,154.03	214.14	3,159.65	1.79	1.52	0.94
12,779.00	90.95	178.90	9,525.52	-3,248.02	214.54	3,253.60	1.84	0.27	-1.82
12,873.00	89.27	179.58	9,525.34	-3,342.00	215.79	3,347.57	1.93	-1.79	0.72
12,966.00	91.26	179.28	9,524.91	-3,434.99	216.72	3,440.53	2.16	2.14	-0.32
13,059.00	89.24	179.47	9,524.50	-3,527.98	217.73	3,533.50	2.18	-2.17	0.20
13,153.00	91.20	179.78	9,524.14	-3,621.97	218.35	3,627.45	2.11	2.09	0.33
13,246.00	91.12	179.28	9,522.26	-3,714.95	219.11	3,720.40	0.54	-0.09	-0.54
13,339.00	91.09	179.56	9,520.47	-3,807.93	220.05	3,813.35	0.30	-0.03	0.30
13,433.00	89.75	178.00	9,519.78	-3,901.90	222.05	3,907.33	2.19	-1.43	-1.66
13,527.00	90.48	179.40	9,519.59	-3,995.87	224.18	4,001.32	1.68	0.78	1.49
13,620.00	91.01	180.13	9,518.38	-4,088.86	224.56	4,094.27	0.97	0.57	0.78
13,714.00	90.06	179.26	9,517.50	-4,182.86	225.07	4,188.22	1.37	-1.01	-0.93
13,807.00	90.11	179.16	9,517.36	-4,275.85	226.35	4,281.20	0.12	0.05	-0.11
13,901.00	91.06	178.65	9,516.40	-4,369.82	228.14	4,375.18	1.15	1.01	-0.54
13,995.00	90.70	178.38	9,514.96	-4,463.78	230.58	4,469.16	0.48	-0.38	-0.29
14,089.00	90.36	178.91	9,514.09	-4,557.75	232.80	4,563.15	0.67	-0.36	0.56
14,182.00	90.11	179.70	9,513.71	-4,650.74	233.93	4,656.12	0.89	-0.27	0.85
14,276.00	90.59	179.39	9,513.13	-4,744.74	234.68	4,750.08	0.61	0.51	-0.33
14,369.00	88.60	178.94	9,513.79	-4,837.72	236.03	4,843.06	2.19	-2.14	-0.48
14,464.00	89.58	179.51	9,515.30	-4,932.70	237.32	4,938.02	1.19	1.03	0.60
14,557.00	89.86	179.66	9,515.76	-5,025.69	237.99	5,030.98	0.34	0.30	0.16
14,650.00	89.50	179.57	9,516.27	-5,118.69	238.62	5,123.94	0.40	-0.39	-0.10
14,744.00	89.33	179.28	9,517.23	-5,212.68	239.56	5,217.90	0.36	-0.18	-0.31
14,837.00	89.61	179.55	9,518.09	-5,305.67	240.51	5,310.87	0.42	0.30	0.29
14,929.00	89.52	179.45	9,518.79	-5,397.67	241.31	5,402.83	0.15	-0.10	-0.11
15,023.00	89.41	179.35	9,519.67	-5,491.66	242.29	5,496.80	0.16	-0.12	-0.11
15,116.00	89.86	179.32	9,520.26	-5,584.65	243.37	5,589.77	0.48	0.48	-0.03
15,210.00	89.66	179.40	9,520.66	-5,678.64	244.42	5,683.74	0.23	-0.21	0.09
15,303.00	90.20	179.03	9,520.77	-5,771.63	245.70	5,776.72	0.70	0.58	-0.40
15,396.00	92.78	179.05	9,518.35	-5,864.58	247.26	5,869.66	2.77	2.77	0.02
15,489.00	89.94	178.19	9,516.15	-5,957.52	249.50	5,962.62	3.19	-3.05	-0.92
15,582.00	89.36	180.85	9,516.71	-6,050.50	250.27	6,055.58	2.93	-0.62	2.86
15,675.00	89.08	183.34	9,517.98	-6,143.42	246.88	6,148.32	2.69	-0.30	2.68
15,769.00	90.06	184.32	9,518.69	-6,237.21	240.60	6,241.82	1.47	1.04	1.04
15,861.00	90.39	181.05	9,518.32	-6,329.10	236.29	6,333.50	3.57	0.36	-3.55
15,955.00	90.78	180.73	9,517.36	-6,423.08	234.83	6,427.37	0.54	0.41	-0.34
16,048.00	89.97	181.50	9,516.76	-6,516.06	233.02	6,520.22	1.20	-0.87	0.83
16,141.00	89.19	181.60	9,517.44	-6,609.02	230.50	6,613.04	0.85	-0.84	0.11
16,233.00	90.36	181.60	9,517.80	-6,700.98	227.93	6,704.85	1.27	1.27	0.00
16,327.00	90.28	180.98	9,517.27	-6,794.96	225.82	6,798.69	0.67	-0.09	-0.66
16,421.00	90.34	181.43	9,516.77	-6,888.93	223.84	6,892.54	0.48	0.06	0.48
16,515.00	89.83	181.17	9,516.63	-6,982.91	221.71	6,986.38	0.61	-0.54	-0.28



Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well W0KN Fed Com #4H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	RKB=28' @ 3061.00usft (Pat. 244)
Site:	Kansas 21-28	MD Reference:	RKB=28' @ 3061.00usft (Pat. 244)
Well:	W0KN Fed Com #4H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
16,608.00	88.51	179.04	9,517.97	-7,075.89	221.54	7,079.29	2.69	-1.42	-2.29	
16,701.00	89.75	179.45	9,519.39	-7,168.87	222.76	7,172.26	1.40	1.33	0.44	
16,795.00	90.87	179.18	9,518.88	-7,262.86	223.89	7,266.23	1.23	1.19	-0.29	
16,890.00	91.51	179.12	9,516.90	-7,357.83	225.30	7,361.19	0.68	0.67	-0.06	
16,924.00	90.50	179.08	9,516.31	-7,391.82	225.83	7,395.17	2.97	-2.97	-0.12	
Last MWD Survey @ 16924'										
16,983.90	90.50	179.08	9,515.78	-7,451.71	226.79	7,455.06	0.00	0.00	0.00	
W0KN #4H PBHL										
16,995.00	90.50	179.08	9,515.69	-7,462.81	226.97	7,466.16	0.00	0.00	0.00	
PTB @ 16995'										

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
16,924.00	9,516.31	-7,391.82	225.83	Last MWD Survey @ 16924'	
16,995.00	9,515.69	-7,462.81	226.97	PTB @ 16995'	

Checked By: _____ Approved By: _____ Date: _____

Intent ☐ As Drilled ☒API #
30-015-46621

Operator Name: Mewbourne Oil Company	Property Name: Kansas 21/28 W0KN Fed Com	Well Number 4H
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Kick Off Point (KOP)

UL K	Section 21	Township 24S	Range 28E	Lot	Feet 2658	From N/S S	Feet 2275	From E/W W	County Eddy
Latitude 32.2032399					Longitude -104.0938492			NAD 83	

First Take Point (FTP)

UL K	Section 21	Township 24S	Range 28E	Lot	Feet 2336	From N/S S	Feet 2284	From E/W W	County Eddy
Latitude 32.2023552					Longitude -104.0938227			NAD 83	

Last Take Point (LTP)

UL N	Section 28	Township 24S	Range 28E	Lot	Feet 379	From N/S S	Feet 2271	From E/W W	County Eddy
Latitude 32.1822660					Longitude -104.0937380			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 #
30-015-46620

Operator Name: Mewbourne Oil Co.	Property Name: Kansas 21/28 W0KN Fed Com	Well Number 4H
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KZ 06/29/2018



U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Sundry Print Report

01/20/2021

Well Name: KANSAS 21/28 W0KN FED COM	Well Location: T24S / R28E / SEC 21 / NESW / 32.2026142 / -104.0944154	County or Parish/State: EDDY / NM
Well Number: 4H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM036975, NMNM36975	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001546621	Well Status: Approved Application for Permit to Drill	Operator: MEWBOURNE OIL COMPANY

Subsequent Report

Type of Submission: Subsequent Report**Type of Action:** Hydraulic Fracturing**Date Sundry Submitted:** 01/13/2021**Time Sundry Submitted:** 02:58**Date Operation Actually Began:** 11/19/2020

Actual Procedure: Frac horizontal wolfcamp from 9620' MD to 16934' MD w/18,434,934 gals of SW, carrying 18,289,080# Local 100 mes sand. Flowback well for cleanup 11/26/2020 Drill out frac plugs to PBTD @ 16942' 12/02/2020 PWOL 12/10/2020 RIH w/3 1/2" 9.3# L80 IPC tbg & GLVs to 8874' Formation Tops: Wolfcamp 9414' - 16995' Water, Oil & Gas Castile 1185', B/salt 2342', Delaware 2532', Bell Canyon 2569', Cherry Canyon 3380', Brushy Canyon 4578', Bone Spring 6176', Wolfcamp 9414' REQUEST FOR OCD EXTENSION OF TIME TO FILE BLM - APPROVED FORM 3160-4

Well Name: KANSAS 21/28 W0KN FED COM	Well Location: T24S / R28E / SEC 21 / NESW / 32.2026142 / -104.0944154	County or Parish/State: EDDY / NM
Well Number: 4H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM036975, NMNM36975	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001546621	Well Status: Approved Application for Permit to Drill	Operator: MEWBOURNE OIL COMPANY

Operator Certification

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: BISHOP**Signed on:** JAN 13, 2021 02:53 PM**Name:** MEWBOURNE OIL COMPANY**Title:** Regulatory**Street Address:** P O BOX 5270**City:** HOBBS**State:** NM**Phone:** (575) 393-5905**Email address:** NOT ENTERED**Field Representative****Representative Name:** Jackie Lathan**Street Address:** PO Box 5270**City:** Hobbs**State:** NM**Zip:** 88240**Phone:** (575)393-5905**Email address:** jlathan@mewbourne.com**BLM Point of Contact****BLM POC Name:** Jonathon W Shepard**BLM POC Phone:** 5752345972**Disposition:** Accepted**Signature:** Jonathon Shepard**BLM POC Title:** Petroleum Engineer**BLM POC Email Address:** jshepard@blm.gov**Disposition Date:** 01/20/2021

Mewbourne Oil Company

Well Name: Kansas 21/28 W0KN Fed Com #4H (Current Schematic)

Updated by: Andy Taylor

Spud Date: 3/13/2020

Date Updated: 1/29/2021

Surface

17 1/2" x 13 3/4" 54.5# J55

Set @ 455'

Cmt w/ 375 sx

Circ. 166 sx to pit

Intermediate

12 3/4" x 9 1/2" 40# HCL80

Set @ 3538'

Cmt w/ 850 sx

Circ. 241 sx to pit

Production

8 3/4" x 7" 29# HCP110

Set @ 9725'

Cmt w/ 675 sx

Circ. 28 sx to pit

Liner

6 1/8" x 4 1/2" HCP110

Set @ 8901' - 16,994'

TBG Detail:

1	2 7/8" 6.5# L80 pup jt	4.15'
1	2 7/8" x 7" AS 1X Pkr	9.25'
1	2 7/8" SN w/ XO	1.60'
8	3 1/2" 9.3# L80 IPC tbg	254.62'
1	3 1/2" L80 IPC GLV #1	4.10'
19	3 1/2" 9.3# L80 IPC tbg	614.49'
1	3 1/2" L80 IPC GLV #2	4.10'
20	3 1/2" 9.3# L80 IPC tbg	656.56'
1	3 1/2" L80 IPC GLV #3	4.10'
20	3 1/2" 9.3# L80 IPC tbg	648.15'
1	3 1/2" L80 IPC GLV #4	4.10'
20	3 1/2" 9.3# L80 IPC tbg	645.87'
1	3 1/2" L80 IPC GLV #5	4.10'
20	3 1/2" 9.3# L80 IPC tbg	653.36'
1	3 1/2" L80 IPC GLV #6	4.10'
20	3 1/2" 9.3# L80 IPC tbg	651.48'
1	3 1/2" L80 IPC GLV #7	4.10'
20	3 1/2" 9.3# L80 IPC tbg	652.42'
1	3 1/2" L80 IPC GLV #8	4.10'
19	3 1/2" 9.3# L80 IPC tbg	621.03'
1	3 1/2" L80 IPC GLV #9	4.10'
20	3 1/2" 9.3# L80 IPC tbg	652.89'
1	3 1/2" L80 IPC GLV #10	4.10'
31	3 1/2" 9.3# L80 IPC tbg	1010.92'
1	3 1/2" L80 IPC GLV #11	4.10'
52	3 1/2" 9.3# L80 IPC tbg	1683.12'
1	3 1/2" 9.3# L80 IPC	8.00'
1	3 1/2" 9.3# L80 IPC tbg	33.14'
Total tbg		8846.15'
KB Correction		28.00'
Tbg set @		8874.15'

KOP @ 8960'

Dev @ KOP: 0.81°

TVD @ 9534'

TD 6 1/8" hole @ 16,995'

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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811 S. First St., Artesia, NM 88210
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1000 Rio Brazos Rd., Aztec, NM 87410
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Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 16934

CONDITIONS OF APPROVAL

Operator:	MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM88241			OGRID:	14744	Action Number:	16934	Action Type:	C-104C
OCD Reviewer	Condition								
ksimmons	Submit 3160-4 Completion Report when approved by BLM.								