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State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised August 1, 2011

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

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 / 01/12/2021
⁴ API Number 30 - 015 - 46774	⁵ Pool Name Purple Sage; Wolfcamp (Gas)	
⁶ Pool Code 98220		
⁷ Property Code 327180	⁸ Property Name Buffalo Trace 1/36 WIOB Fed Com	⁹ Well Number 2H

II. ¹⁰ Surface Location

UL or lot no. O	Section 1	Township 26S	Range 29E	Lot Idn	Feet from the 400	North/South Line South	Feet from the 1630	East/West line East	County Eddy
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¹¹ Bottom Hole Location

UL or lot no. B	Section 36	Township 25S	Range 29E	Lot Idn	Feet from the 317	North/South line North	Feet from the 1570	East/West line East	County Eddy
¹² Lse Code F	¹³ Producing Method Code Gas Lift	¹⁴ Gas Connection Date 01/12/2021	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

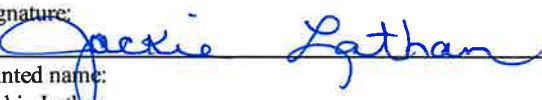
¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
195739	Plains Pipeline 5500 Ming Ave Suite 300 Bakersfield, CA 93309	O
314437	Delaware Basin Midstream PO Box 1330 Houston, TX 77251-1330	G

IV. Well Completion Data

²¹ Spud Date 05/11/2020	²² Ready Date 01/12/2021	²³ TD 20735' MD	²⁴ PBDT 20693'	²⁵ Perforations 10737' - 20678'	²⁶ DHC, MC NA
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 ½"	13 ¾" 54.5# J55	879'	750		
12 ¼"	9 ¾" 40# HCL80	3360'	800		
8 ¾"	7 ¾" 39# HCP110	9968'	575		
6 ⅝"	4 ½" 13.5# HCP110 3 ½"	9768' - 20734' 9729'	1300		

V. Well Test Data

³¹ Date New Oil 01/12/2021	³² Gas Delivery Date 1/12/2021	³³ Test Date 01/16/2021	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure 2120	³⁶ Csg. Pressure 10
³⁷ Choke Size 36/64"	³⁸ Oil 684	³⁹ Water 3332	⁴⁰ Gas 2436		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: 		OIL CONSERVATION DIVISION	
Printed name: Jackie Lathan		Approved by: KURT SIMMONS	
Title: Regulatory		Title: NMOCD, SANTA FE	
E-mail Address: jlathan@mewbourne.com		Approval Date: 06/16/2021	
Date: 02/10/2021	Phone: 575-393-5905		

Received by OCD: 3/22/2021 11:17:36 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 30-015-46800	² Pool Code 98220	³ Pool Name Purple Sage; Wolfcamp (Gas)
⁴ Property Code 327180	⁵ Property Name BUFFALO TRACE 1/36 W10B FED COM	⁶ Well Number 2H
⁷ GRID NO. 14744	⁸ Operator Name MEWBOURNE OIL COMPANY	⁹ Elevation 3018'

¹⁰ Surface Location

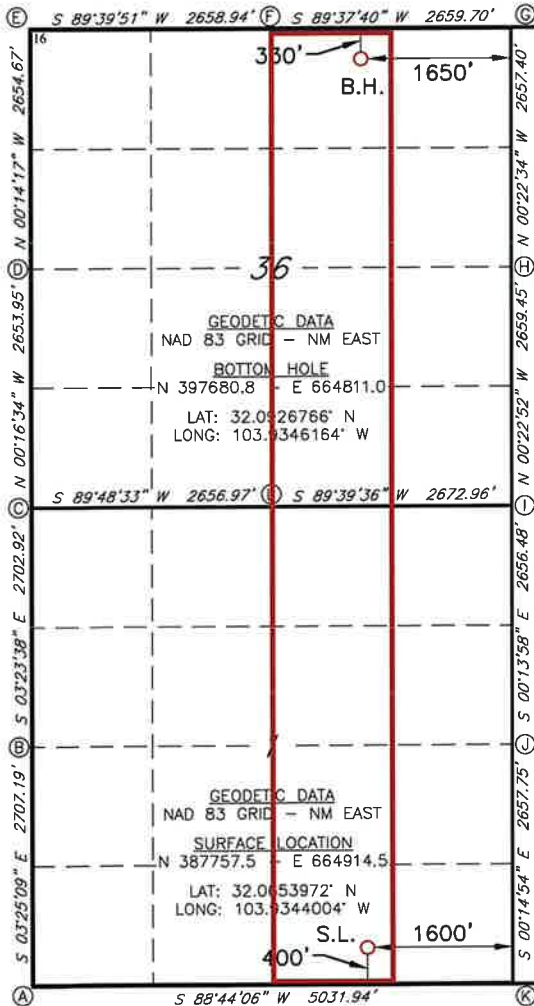
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
0	1	26S	29E		400	SOUTH	1600	EAST	EDDY

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
B	36	25S	29E		317	NORTH	1570	EAST	EDDY

¹² Dedicated Acres 320	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: 3/3/2021

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.

4-12-19

Date of Survey

Signature and Seal of Professional Surveyor

19680

Certificate Number



RRC - Job No.:

LS19040490

Plan #1



Project: Eddy Co., NM (NAD 83)
 Site: Buffalo Trace Pad
 Well: Buffalo Trace 1-36 W10B Fed Com #2H
 Wellbore: OH
 Design: Plan #1
 Lat: 32.065397
 Long: -103.934401
 GL: 3018.00
 KB: RKB=28' @ 3046.00usft (Patterson 564)



WELL DETAILS: Buffalo Trace 1-36 W10B Fed Com #2H

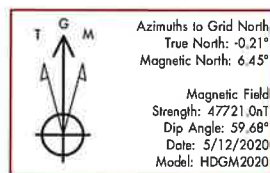
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	387757.50	664914.50	32.065397	-103.934401

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
W10B #2H BB Point	10097.04	-389.12	41.41	387368.38	664955.91	Point
W10B #2H PBHL	10690.00	9923.86	-13.91	397681.36	664900.59	Point

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
3350.00	0.00	0.00	3350.00	0.00	0.00	0.00	0.00	0.00	Build 1.50°/100'
3579.05	3.44	173.92	3578.92	-6.83	0.73	1.50	173.92	-6.83	6301' Hold
9879.59	3.44	173.92	9868.12	-382.30	40.69	0.00	0.00	-382.35	Drop 1.50°/100'
10108.64	0.00	0.00	10097.04	-389.12	41.41	1.50	180.00	-389.18	Build 10°/100'
11007.46	89.88	359.69	10670.00	182.65	38.35	10.00	359.69	182.59	9741' Hold
20748.83	89.88	359.69	10690.00	9923.86	-13.91	0.00	0.00	9923.87	TD at 20748.83



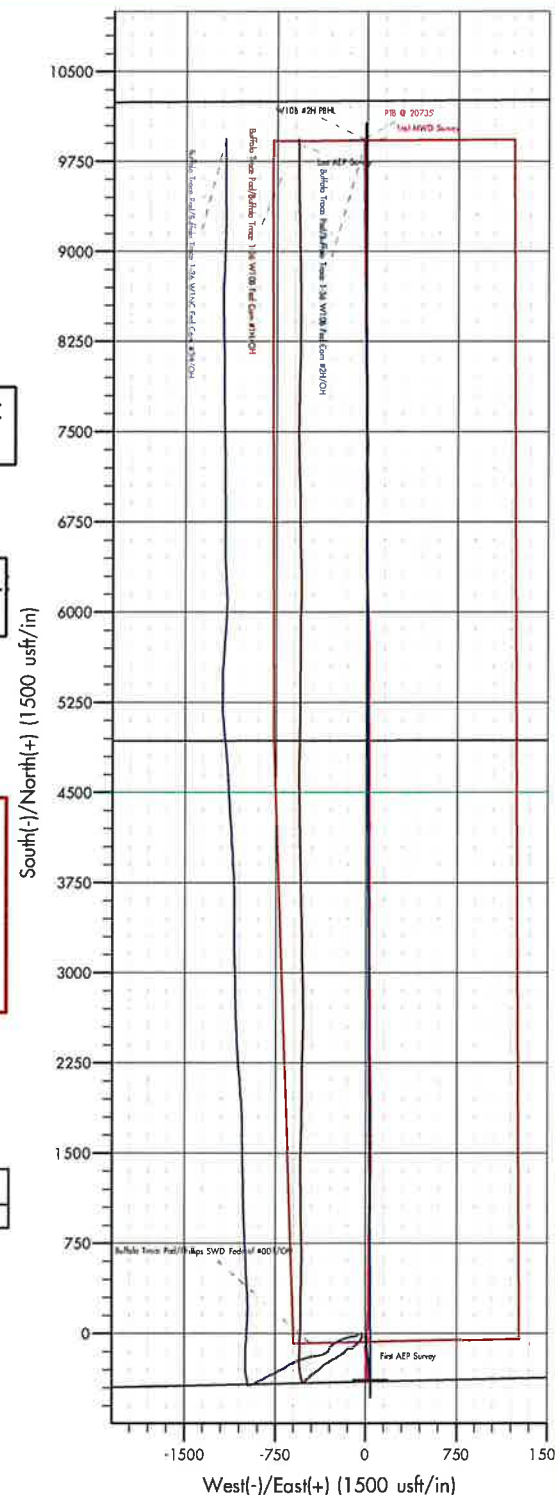
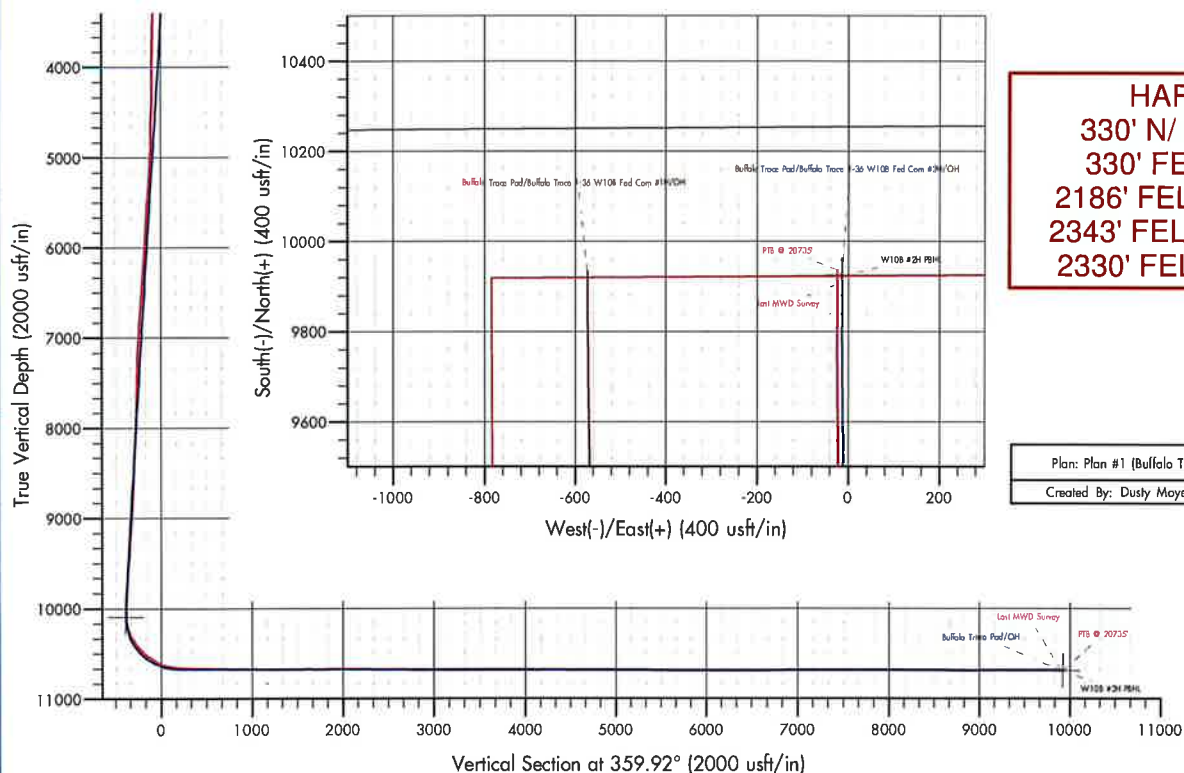
W10B Fed Com #2H SHL:
 400' FSL & 1600' FEL

W10B Fed Com #2H PBHL
 330' FNL & 1560' FEL

HARD LINES
 330' N/ S Hard Lines
 330' FEL Hard Line
 2186' FEL @ South Line
 2343' FEL @ Center Line
 2330' FEL @ North Line

Plan: Plan #1 (Buffalo Trace 1-36 W10B Fed Com #2H/OH)

Created By: Dusty Mayer Date: 11:34 May 31 2020





Mewbourne Oil Company

Eddy Co., NM (NAD 83)

Buffalo Trace Pad

Buffalo Trace 1-36 W10B Fed Com #2H

OH

Design: OH

Standard Survey Report

31 May, 2020





Altitude Energy Partners

Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Buffalo Trace 1-36 W10B Fed Com #2H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	RKB=28' @ 3046.00usft (Patterson 564)
Site:	Buffalo Trace Pad	MD Reference:	RKB=28' @ 3046.00usft (Patterson 564)
Well:	Buffalo Trace 1-36 W10B Fed Com #2H	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	Buffalo Trace Pad			
Site Position:		Northing:	387,756.90 usft	Latitude: 32.065396
From:	Map	Easting:	664,884.50 usft	Longitude: -103.934498
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	

Well	Buffalo Trace 1-36 W10B Fed Com #2H			
Well Position	+N/-S	0.00 usft	Northing:	387,757.50 usft
	+E/-W	0.00 usft	Easting:	664,914.50 usft
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft
Grid Convergence:		0.21 °	Ground Level:	3,018.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2020	5/12/2020	6.67	59.68	47,721.00000000

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)	Direction (°)
	0.00	0.00	0.00	359.92

Survey Program	Date	5/31/2020		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.00	811.00	Surface (OH)	GYRO-MWD	OWSG Gyro MWD
966.00	20,735.00	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
100.00	0.19	97.84	100.00	-0.02	0.16	-0.02	0.19	0.19	0.00
200.00	0.02	258.59	200.00	-0.05	0.31	-0.05	0.21	-0.17	160.75
300.00	1.09	135.34	299.99	-0.73	0.96	-0.73	1.10	1.07	-123.25
400.00	2.35	142.80	399.95	-3.04	2.87	-3.04	1.28	1.26	7.46
500.00	2.61	144.58	499.85	-6.53	5.43	-6.53	0.27	0.26	1.78
600.00	3.24	151.40	599.72	-10.86	8.10	-10.87	0.72	0.63	6.82
700.00	3.68	156.54	699.54	-16.29	10.73	-16.30	0.54	0.44	5.14
800.00	3.72	158.32	799.33	-22.25	13.21	-22.27	0.12	0.04	1.78



Altitude Energy Partners

Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Buffalo Trace 1-36 W10B Fed Com #2H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	RKB=28' @ 3046.00usft (Patterson 564)
Site:	Buffalo Trace Pad	MD Reference:	RKB=28' @ 3046.00usft (Patterson 564)
Well:	Buffalo Trace 1-36 W10B Fed Com #2H	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)
811.00	3.48	159.91	810.31	-22.89	13.46	-22.91	2.36	-2.18	14.45
966.00	5.36	169.57	964.84	-34.43	16.38	-34.45	1.30	1.21	6.23
First MWD Survey									
1,156.00	3.69	187.50	1,154.25	-49.22	17.19	-49.25	1.14	-0.88	9.44
1,346.00	0.26	158.06	1,344.11	-55.69	16.55	-55.71	1.82	-1.81	-15.49
1,535.00	0.48	144.88	1,533.11	-56.73	17.17	-56.76	0.12	0.12	-6.97
1,725.00	0.62	187.77	1,723.10	-58.40	17.49	-58.43	0.22	0.07	22.57
1,914.00	0.44	235.32	1,912.10	-59.83	16.75	-59.85	0.24	-0.10	25.16
2,100.00	1.01	242.44	2,098.08	-60.99	14.71	-61.01	0.31	0.31	3.83
2,287.00	1.27	256.85	2,285.04	-62.23	11.23	-62.24	0.21	0.14	7.71
2,473.00	0.79	254.30	2,471.01	-63.04	7.99	-63.05	0.26	-0.26	-1.37
2,660.00	0.70	215.10	2,658.00	-64.33	6.09	-64.33	0.27	-0.05	-20.96
2,846.00	0.79	157.53	2,843.98	-66.44	5.93	-66.45	0.39	0.05	-30.95
3,031.00	2.42	141.01	3,028.91	-70.65	8.88	-70.67	0.91	0.88	-8.93
3,218.00	3.08	166.85	3,215.70	-78.62	12.50	-78.63	0.74	0.35	13.82
3,321.00	2.73	191.02	3,318.57	-83.72	12.66	-83.74	1.23	-0.34	23.47
3,503.00	1.27	189.00	3,500.45	-89.96	11.52	-89.98	0.80	-0.80	-1.11
3,689.00	0.92	176.69	3,686.42	-93.49	11.28	-93.51	0.23	-0.19	-6.62
3,876.00	0.70	191.99	3,873.40	-96.11	11.13	-96.12	0.16	-0.12	8.18
4,062.00	0.57	195.77	4,059.39	-98.11	10.65	-98.12	0.07	-0.07	2.03
4,248.00	1.01	259.31	4,245.37	-99.30	8.78	-99.32	0.49	0.24	34.16
4,434.00	1.14	201.74	4,431.35	-101.33	6.49	-101.34	0.56	0.07	-30.95
4,620.00	1.14	202.01	4,617.31	-104.76	5.11	-104.77	0.00	0.00	0.15
4,807.00	1.23	214.93	4,804.27	-108.13	3.26	-108.14	0.15	0.05	6.91
4,994.00	3.03	172.91	4,991.14	-114.68	2.72	-114.69	1.21	0.96	-22.47
5,181.00	3.56	177.84	5,177.83	-125.39	3.55	-125.39	0.32	0.28	2.64
5,367.00	3.78	180.56	5,363.45	-137.29	3.71	-137.29	0.15	0.12	1.46
5,552.00	3.47	178.10	5,548.08	-148.98	3.83	-148.99	0.19	-0.17	-1.33
5,738.00	3.52	175.11	5,733.73	-160.30	4.51	-160.30	0.10	0.03	-1.61
5,924.00	3.34	175.55	5,919.40	-171.39	5.42	-171.40	0.10	-0.10	0.24
6,110.00	3.52	178.54	6,105.07	-182.50	5.98	-182.51	0.14	0.10	1.61
6,296.00	3.74	176.25	6,290.69	-194.26	6.52	-194.27	0.14	0.12	-1.23
6,483.00	4.18	173.09	6,477.25	-207.11	7.74	-207.12	0.26	0.24	-1.69
6,670.00	4.31	174.58	6,663.74	-220.87	9.23	-220.89	0.09	0.07	0.80
6,856.00	4.48	173.44	6,849.19	-235.05	10.72	-235.06	0.10	0.09	-0.61
7,044.00	2.73	171.86	7,036.81	-246.77	12.19	-246.79	0.93	-0.93	-0.84
7,230.00	2.15	199.02	7,222.65	-254.46	11.68	-254.47	0.69	-0.31	14.60
7,416.00	1.32	204.82	7,408.56	-259.70	9.64	-259.71	0.46	-0.45	3.12
7,602.00	0.79	167.47	7,594.53	-262.90	9.02	-262.91	0.45	-0.28	-20.08
7,788.00	2.15	135.74	7,780.47	-266.65	11.73	-266.66	0.83	0.73	-17.06
7,974.00	2.33	142.59	7,966.32	-272.15	16.47	-272.17	0.17	0.10	3.68
8,161.00	3.12	154.11	8,153.11	-279.75	21.00	-279.78	0.51	0.42	6.16
8,347.00	3.47	155.34	8,338.80	-289.42	25.56	-289.45	0.19	0.19	0.66



Altitude Energy Partners

Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Buffalo Trace 1-36 W10B Fed Com #2H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	RKB=28' @ 3046.00usft (Patterson 564)
Site:	Buffalo Trace Pad	MD Reference:	RKB=28' @ 3046.00usft (Patterson 564)
Well:	Buffalo Trace 1-36 W10B Fed Com #2H	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)
8,534.00	2.42	185.66	8,525.57	-298.49	27.53	-298.53	0.99	-0.56	16.21
8,720.00	3.25	195.94	8,711.34	-307.47	25.69	-307.50	0.52	0.45	5.53
8,906.00	2.37	204.73	8,897.11	-316.03	22.64	-316.06	0.53	-0.47	4.73
9,091.00	3.87	187.68	9,081.84	-325.69	20.20	-325.72	0.94	0.81	-9.22
9,278.00	4.04	175.99	9,268.39	-338.52	19.82	-338.55	0.44	0.09	-6.25
9,464.00	5.45	175.02	9,453.75	-353.85	21.04	-353.88	0.76	0.76	-0.52
9,651.00	2.77	187.07	9,640.26	-367.19	21.26	-367.22	1.50	-1.43	6.44
9,837.00	2.37	203.68	9,826.07	-375.17	19.16	-375.20	0.45	-0.22	8.93
10,019.00	2.37	198.84	10,007.92	-382.18	16.43	-382.20	0.11	0.00	-2.66
10,125.00	2.20	317.93	10,113.88	-382.74	14.36	-382.76	3.72	-0.16	112.35
10,171.00	10.20	344.48	10,159.57	-378.15	12.68	-378.17	18.02	17.39	57.72
10,218.00	14.07	349.22	10,205.52	-368.53	10.50	-368.54	8.50	8.23	10.09
10,263.00	20.18	347.82	10,248.50	-355.56	7.83	-355.57	13.61	13.58	-3.11
10,309.00	25.01	356.69	10,290.97	-338.08	5.60	-338.08	12.82	10.50	19.28
10,357.00	28.97	0.65	10,333.74	-316.31	5.14	-316.32	9.06	8.25	8.25
10,404.00	34.55	2.06	10,373.68	-291.59	5.75	-291.60	11.98	11.87	3.00
10,450.00	38.24	2.76	10,410.71	-264.33	6.90	-264.34	8.07	8.02	1.52
10,497.00	41.23	1.44	10,446.85	-234.31	7.99	-234.32	6.61	6.36	-2.81
10,543.00	45.27	358.45	10,480.35	-202.80	7.93	-202.82	9.85	8.78	-6.50
10,589.00	50.29	357.57	10,511.25	-168.77	6.74	-168.78	11.00	10.91	-1.91
10,636.00	53.85	3.64	10,540.15	-131.74	7.18	-131.75	12.69	7.57	12.91
10,683.00	57.14	3.73	10,566.77	-93.09	9.67	-93.11	7.00	7.00	0.19
10,729.00	60.40	3.46	10,590.62	-53.84	12.13	-53.86	7.10	7.09	-0.59
10,777.00	64.88	3.90	10,612.67	-11.31	14.87	-11.33	9.37	9.33	0.92
10,824.00	70.95	2.58	10,630.34	32.15	17.32	32.13	13.17	12.91	-2.81
10,870.00	77.01	1.70	10,643.03	76.31	18.97	76.29	13.30	13.17	-1.91
10,916.00	83.82	1.18	10,650.68	121.63	20.10	121.60	14.85	14.80	-1.13
10,963.00	86.24	1.09	10,654.75	168.44	21.03	168.41	5.15	5.15	-0.19
11,025.00	86.33	1.44	10,658.77	230.30	22.40	230.26	0.58	0.15	0.56
11,057.00	86.07	1.35	10,660.89	262.22	23.17	262.18	0.86	-0.81	-0.28
11,151.00	89.36	0.47	10,664.64	356.12	24.66	356.08	3.62	3.50	-0.94
11,243.00	89.45	1.26	10,665.59	448.10	26.05	448.06	0.86	0.10	0.86
11,336.00	89.01	1.26	10,666.84	541.07	28.10	541.03	0.47	-0.47	0.00
11,428.00	89.14	359.07	10,668.33	633.05	28.36	633.01	2.38	0.14	-2.38
11,520.00	89.14	359.86	10,669.71	725.04	27.50	725.00	0.86	0.00	0.86
11,614.00	89.23	1.79	10,671.05	819.01	28.86	818.97	2.06	0.10	2.05
11,707.00	89.23	1.62	10,672.30	911.96	31.62	911.92	0.18	0.00	-0.18
11,800.00	89.76	2.58	10,673.12	1,004.89	35.03	1,004.84	1.18	0.57	1.03
11,892.00	87.08	358.45	10,675.65	1,096.83	35.86	1,096.78	5.35	-2.91	-4.49
11,985.00	89.85	1.18	10,678.15	1,189.78	35.56	1,189.72	4.18	2.98	2.94
12,078.00	90.99	1.44	10,677.46	1,282.75	37.69	1,282.69	1.26	1.23	0.28
12,171.00	90.81	1.00	10,676.00	1,375.71	39.67	1,375.66	0.51	-0.19	-0.47
12,264.00	90.77	0.39	10,674.72	1,468.70	40.80	1,468.64	0.66	-0.04	-0.66
12,356.00	90.33	359.42	10,673.84	1,560.69	40.64	1,560.63	1.16	-0.48	-1.05



Altitude Energy Partners

Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Buffalo Trace 1-36 W10B Fed Com #2H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	RKB=28' @ 3046.00usft (Patterson 564)
Site:	Buffalo Trace Pad	MD Reference:	RKB=28' @ 3046.00usft (Patterson 564)
Well:	Buffalo Trace 1-36 W10B Fed Com #2H	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)
12,449.00	89.49	359.07	10,673.98	1,653.68	39.42	1,653.63	0.98	-0.90	-0.38
12,542.00	90.20	359.77	10,674.23	1,746.68	38.48	1,746.62	1.07	0.76	0.75
12,635.00	90.68	359.42	10,673.52	1,839.67	37.82	1,839.62	0.64	0.52	-0.38
12,727.00	89.67	0.12	10,673.24	1,931.67	37.45	1,931.61	1.34	-1.10	0.76
12,820.00	90.15	359.95	10,673.39	2,024.67	37.51	2,024.61	0.55	0.52	-0.18
12,914.00	89.89	358.72	10,673.35	2,118.66	36.42	2,118.61	1.34	-0.28	-1.31
13,008.00	90.02	359.95	10,673.43	2,212.65	35.32	2,212.60	1.32	0.14	1.31
13,103.00	89.71	359.42	10,673.65	2,307.65	34.80	2,307.60	0.65	-0.33	-0.56
13,196.00	89.45	359.42	10,674.33	2,400.64	33.86	2,400.59	0.28	-0.28	0.00
13,290.00	89.76	0.12	10,674.98	2,494.64	33.48	2,494.59	0.81	0.33	0.74
13,383.00	89.54	359.51	10,675.55	2,587.64	33.18	2,587.59	0.70	-0.24	-0.66
13,476.00	89.19	359.86	10,676.58	2,680.63	32.67	2,680.58	0.53	-0.38	0.38
13,569.00	88.40	359.86	10,678.53	2,773.61	32.44	2,773.56	0.85	-0.85	0.00
13,662.00	88.57	359.42	10,680.99	2,866.57	31.86	2,866.53	0.51	0.18	-0.47
13,755.00	87.96	359.16	10,683.81	2,959.52	30.71	2,959.48	0.71	-0.66	-0.28
13,849.00	89.98	359.16	10,685.50	3,053.49	29.33	3,053.45	2.15	2.15	0.00
13,941.00	89.14	359.42	10,686.21	3,145.48	28.19	3,145.44	0.96	-0.91	0.28
14,034.00	90.07	0.03	10,686.85	3,238.48	27.74	3,238.43	1.20	1.00	0.66
14,127.00	90.11	0.21	10,686.70	3,331.48	27.94	3,331.43	0.20	0.04	0.19
14,221.00	90.33	0.39	10,686.34	3,425.47	28.43	3,425.43	0.30	0.23	0.19
14,313.00	90.37	0.12	10,685.78	3,517.47	28.84	3,517.43	0.30	0.04	-0.29
14,406.00	90.07	359.77	10,685.42	3,610.47	28.75	3,610.43	0.50	-0.32	-0.38
14,499.00	90.11	359.68	10,685.27	3,703.47	28.31	3,703.43	0.11	0.04	-0.10
14,591.00	89.80	359.68	10,685.35	3,795.47	27.79	3,795.43	0.34	-0.34	0.00
14,684.00	89.93	359.42	10,685.57	3,888.46	27.06	3,888.42	0.31	0.14	-0.28
14,777.00	90.11	359.68	10,685.53	3,981.46	26.33	3,981.42	0.34	0.19	0.28
14,871.00	92.09	0.47	10,683.73	4,075.44	26.45	4,075.40	2.27	2.11	0.84
14,961.00	93.05	0.30	10,679.69	4,165.35	27.06	4,165.30	1.08	1.07	-0.19
15,054.00	89.76	0.12	10,677.41	4,258.30	27.40	4,258.26	3.54	-3.54	-0.19
15,147.00	89.45	359.24	10,678.05	4,351.30	26.88	4,351.26	1.00	-0.33	-0.95
15,240.00	89.14	359.95	10,679.20	4,444.29	26.22	4,444.25	0.83	-0.33	0.76
15,333.00	89.14	359.68	10,680.59	4,537.28	25.92	4,537.24	0.29	0.00	-0.29
15,426.00	89.54	359.77	10,681.67	4,630.27	25.48	4,630.23	0.44	0.43	0.10
15,519.00	89.85	359.95	10,682.16	4,723.27	25.25	4,723.23	0.39	0.33	0.19
15,612.00	90.68	359.68	10,681.73	4,816.27	24.95	4,816.23	0.94	0.89	-0.29
15,706.00	89.54	359.24	10,681.55	4,910.26	24.06	4,910.22	1.30	-1.21	-0.47
15,800.00	89.14	358.80	10,682.63	5,004.24	22.45	5,004.20	0.63	-0.43	-0.47
15,893.00	88.22	359.51	10,684.78	5,097.20	21.08	5,097.17	1.25	-0.99	0.76
15,986.00	89.49	359.86	10,686.63	5,190.18	20.57	5,190.15	1.42	1.37	0.38
16,080.00	89.76	1.09	10,687.25	5,284.17	21.35	5,284.14	1.34	0.29	1.31
16,173.00	89.63	0.47	10,687.74	5,377.16	22.62	5,377.13	0.68	-0.14	-0.67
16,266.00	89.23	359.16	10,688.67	5,470.16	22.32	5,470.12	1.47	-0.43	-1.41
16,359.00	89.27	359.86	10,689.89	5,563.14	21.52	5,563.11	0.75	0.04	0.75



Altitude Energy Partners

Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Buffalo Trace 1-36 W10B Fed Com #2H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	RKB=28' @ 3046.00usft (Patterson 564)
Site:	Buffalo Trace Pad	MD Reference:	RKB=28' @ 3046.00usft (Patterson 564)
Well:	Buffalo Trace 1-36 W10B Fed Com #2H	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)
16,452.00	89.27	0.03	10,691.07	5,656.14	21.43	5,656.10	0.18	0.00	0.18
16,544.00	89.71	359.77	10,691.89	5,748.13	21.27	5,748.10	0.56	0.48	-0.28
16,637.00	89.71	359.68	10,692.36	5,841.13	20.83	5,841.10	0.10	0.00	-0.10
16,732.00	90.55	357.84	10,692.15	5,936.10	18.77	5,936.07	2.13	0.88	-1.94
16,824.00	90.55	357.49	10,691.26	6,028.02	15.02	6,028.00	0.38	0.00	-0.38
16,917.00	90.37	358.28	10,690.52	6,120.96	11.59	6,120.93	0.87	-0.19	0.85
17,010.00	89.93	357.84	10,690.27	6,213.90	8.44	6,213.88	0.67	-0.47	-0.47
17,103.00	90.11	358.54	10,690.24	6,306.85	5.50	6,306.84	0.78	0.19	0.75
17,196.00	89.67	357.66	10,690.42	6,399.80	2.42	6,399.79	1.06	-0.47	-0.95
17,289.00	89.49	1.62	10,691.10	6,492.78	1.84	6,492.77	4.26	-0.19	4.26
17,382.00	90.77	359.51	10,690.89	6,585.77	2.75	6,585.76	2.65	1.38	-2.27
17,475.00	90.64	1.44	10,689.75	6,678.75	3.52	6,678.74	2.08	-0.14	2.08
17,570.00	90.77	1.62	10,688.58	6,773.71	6.06	6,773.70	0.23	0.14	0.19
17,663.00	90.59	1.53	10,687.47	6,866.67	8.62	6,866.65	0.22	-0.19	-0.10
17,755.00	90.37	0.03	10,686.70	6,958.66	9.87	6,958.63	1.65	-0.24	-1.63
17,847.00	90.29	358.72	10,686.17	7,050.65	8.87	7,050.63	1.43	-0.09	-1.42
17,939.00	90.68	357.84	10,685.39	7,142.60	6.10	7,142.58	1.05	0.42	-0.96
18,032.00	90.29	0.12	10,684.61	7,235.58	4.45	7,235.56	2.49	-0.42	2.45
18,124.00	90.11	1.35	10,684.28	7,327.57	5.63	7,327.55	1.35	-0.20	1.34
18,216.00	91.47	359.59	10,683.02	7,419.55	6.38	7,419.53	2.42	1.48	-1.91
18,308.00	90.15	357.22	10,681.72	7,511.49	3.82	7,511.48	2.95	-1.43	-2.58
18,401.00	90.33	359.42	10,681.33	7,604.45	1.10	7,604.44	2.37	0.19	2.37
18,493.00	90.02	0.39	10,681.04	7,696.45	0.94	7,696.44	1.11	-0.34	1.05
18,585.00	89.76	359.77	10,681.22	7,788.45	1.07	7,788.44	0.73	-0.28	-0.67
18,677.00	89.89	359.42	10,681.50	7,880.44	0.42	7,880.43	0.41	0.14	-0.38
18,770.00	90.29	356.87	10,681.36	7,973.39	-2.59	7,973.38	2.78	0.43	-2.74
18,862.00	90.07	358.01	10,681.07	8,065.29	-6.70	8,065.29	1.26	-0.24	1.24
18,954.00	89.63	359.59	10,681.31	8,157.27	-8.62	8,157.27	1.78	-0.48	1.72
19,046.00	88.75	0.21	10,682.61	8,249.26	-8.78	8,249.26	1.17	-0.96	0.67
19,138.00	87.65	357.22	10,685.50	8,341.18	-10.85	8,341.18	3.46	-1.20	-3.25
19,231.00	90.07	0.91	10,687.35	8,434.12	-12.36	8,434.13	4.74	2.60	3.97
19,323.00	89.98	0.74	10,687.31	8,526.11	-11.04	8,526.12	0.21	-0.10	-0.18
19,415.00	89.71	0.03	10,687.56	8,618.11	-10.42	8,618.12	0.83	-0.29	-0.77
19,508.00	87.60	356.61	10,689.74	8,711.03	-13.14	8,711.04	4.32	-2.27	-3.68
19,600.00	89.71	359.16	10,691.90	8,802.93	-16.54	8,802.94	3.60	2.29	2.77
19,692.00	91.96	359.77	10,690.56	8,894.91	-17.39	8,894.92	2.53	2.45	0.66
19,784.00	91.91	359.51	10,687.45	8,986.85	-17.97	8,986.87	0.29	-0.05	-0.28
19,877.00	90.20	359.42	10,685.74	9,079.83	-18.84	9,079.85	1.84	-1.84	-0.10
19,969.00	89.58	358.89	10,685.92	9,171.82	-20.20	9,171.84	0.89	-0.67	-0.58
20,061.00	90.68	0.03	10,685.71	9,263.81	-21.06	9,263.83	1.72	1.20	1.24
20,154.00	90.86	0.21	10,684.46	9,356.80	-20.87	9,356.82	0.27	0.19	0.19
20,246.00	90.11	358.89	10,683.68	9,448.79	-21.59	9,448.81	1.65	-0.82	-1.43
20,338.00	89.76	359.77	10,683.79	9,540.78	-22.67	9,540.81	1.03	-0.38	0.96



Altitude Energy Partners

Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Buffalo Trace 1-36 W10B Fed Com #2H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	RKB=28' @ 3046.00usft (Patterson 564)
Site:	Buffalo Trace Pad	MD Reference:	RKB=28' @ 3046.00usft (Patterson 564)
Well:	Buffalo Trace 1-36 W10B Fed Com #2H	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)
20,430.00	89.36	359.07	10,684.49	9,632.78	-23.60	9,632.80	0.88	-0.43	-0.76
20,523.00	90.07	0.03	10,684.96	9,725.77	-24.33	9,725.80	1.28	0.76	1.03
20,615.00	90.24	359.77	10,684.71	9,817.77	-24.49	9,817.80	0.34	0.18	-0.28
20,702.00	90.29	0.47	10,684.30	9,904.77	-24.31	9,904.79	0.81	0.06	0.80
Last MWD Survey									
20,735.00	90.29	0.47	10,684.14	9,937.77	-24.04	9,937.79	0.00	0.00	0.00
PTB @ 20735'									

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
966.00	964.84	-34.43	16.38	First MWD Survey
20,702.00	10,684.30	9,904.77	-24.31	Last MWD Survey
20,735.00	10,684.14	9,937.77	-24.04	PTB @ 20735'

Checked By: _____	Approved By: _____	Date: _____
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Intent ☒ As Drilled ☐

API # 30-015-46800		
Operator Name: Mewbourne Oil Co.	Property Name: Buffalo Trace 1/36 W1OB Fed Com	Well Number 2H

Kick Off Point (KOP)

UL O	Section 1	Township 26S	Range 29E	Lot	Feet 17	From N/S S	Feet 1587	From E/W E	County Eddy
Latitude 32.0643451					Longitude -103.9343586			NAD 83	

First Take Point (FTP)

UL O	Section 1	Township 26S	Range 29E	Lot	Feet 353	From N/S S	Feet 1587	From E/W E	County Eddy
Latitude 32.0652685					Longitude -103.9343604			NAD 83	

Last Take Point (LTP)

UL B	Section 36	Township 25S	Range 29E	Lot	Feet 373	From N/S N	Feet 1571	From E/W E	County Eddy
Latitude 32.0925589					Longitude -103.9343613			NAD 83	

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

☐ N

Is this well an infill well?

☐ Y

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

API # 30-015-45536		
Operator Name: Mewbourne Oil Co.	Property Name: Buffalo Trace 1/36 W1PA Fed Com	Well Number 2H

KZ 06/29/2018



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

Well Completion Print Report

02/09/2021

Operator Name MEWBOURNE OIL COMPANY SHL SWSE Sec 1 26S 29E	Well Name BUFFALO TRACE 1/36 W10B FEDCOM County EDDY	Well Number 2H State NM	US Well Number 3001546800 Lease Number(s) NMNM023765, NMNM23765, NMNM23765 Agreement Number(s)
Well Type CONVENTIONAL GAS WELL Allottee/Tribe Name	Well Status Approved Application for Permit to Drill Well Pad Name BUFFALO TRACE 1/36 OB FED COM	Agreement Name Well Pad Number 2	ID 10400041189

Section 1 - General

Well Completion Report Id: 33330 **Submission Date:** N/A until DB Work

BLM Office: Carlsbad Field Office **User:** Bradley Bishop **Title:** Regulatory

Federal/Indian: FEDERAL **Lease Number:** NMNM023765 **Lease Acres:** 320

Agreement in place?: NO **Federal or Indian Agreement:**

Agreement Number: **Agreement Name:**

Keep this Well Completion Report confidential?: YES

APD Operator: MEWBOURNE OIL
COMPANY

Section 2 - Well Information

Field/Pool or Exploratory: Field/Pool **Pool Name:** Wolfcamp **Field Name:** PURPLE SAGE

Well Type: CONVENTIONAL GAS WELL

Spud Date: 05-11-2020

Date Total Measured Depth Reached: 05-30-2020

Drill & Abandon or Ready To Produce: READY TO PRODUCE

Well Class: HORIZONTAL

Section 3 - Geologic Formations

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral Resources
RUSTLER	ANHYDRITE		3018	27	27	NONE	

Operator Name MEWBOURNE OIL COMPANY SHL SWSE Sec 1 26S 29E	Well Name BUFFALO TRACE 1/36 W10B FEDCOM County EDDY	Well Number 2H	US Well Number 3001546800
Well Type CONVENTIONAL GAS WELL	Well Status Approved Application for Permit to Drill	State NM	Lease Number(s) NMNM023765, NMNM23765, NMNM23765
Allottee/Tribe Name	Well Pad Name BUFFALO TRACE 1/36 OB FED COM	Agreement Name	Agreement Number(s)
		Well Pad Number 2	ID 10400041189

Section 3 - Geologic Formations

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral Resources
RUSTLER	SALT		2164	854	854	NONE	
TOP SALT	SALT		2044	974	974	NONE	
BOTTOM SALT	SALT		-93	3111	3111	NONE	
LAMAR	LIMESTONE		-272	3290	3290	NATURAL GAS, OIL	
BELL CANYON	SANDSTONE		-296	3314	3314	NATURAL GAS, OIL	
CHERRY CANYON	SANDSTONE		-1146	4164	4164	NATURAL GAS, OIL	
MANZANITA	LIMESTONE		-1596	4614	4614	NATURAL GAS, OIL	
BRUSHY CANYON	SANDSTONE		-2418	5436	5436	NATURAL GAS, OIL	
BONE SPRING	LIMESTONE, SHALE		-4006	7024	7024	NATURAL GAS, OIL	
BONE SPRING 1ST	SANDSTONE		-4956	7974	7974	NATURAL GAS, OIL	
BONE SPRING 2ND	SANDSTONE		-5588	8606	8606	NATURAL GAS, OIL	
BONE SPRING 3RD	SANDSTONE		-6988	10006	10006	NATURAL GAS, OIL	
WOLFCAMP	LIMESTONE, SANDSTONE, SHALE		-7261	10279	10279	NATURAL GAS, OIL	

Completion and Completed Intervals

Operator Name MEWBOURNE OIL COMPANY SHL SWSE Sec 1 26S 29E	Well Name BUFFALO TRACE 1/36 W10B FEDCOM County EDDY	Well Number 2H State NM	US Well Number 3001546800 Lease Number(s) NMNM023765, NMNM23765, NMNM23765 Agreement Number(s)
Well Type CONVENTIONAL GAS WELL Allottee/Tribe Name	Well Status Approved Application for Permit to Drill Well Pad Name BUFFALO TRACE 1/36 OB FED COM	Agreement Name Well Pad Number 2	ID 10400041189

Completion Data

Wellbore Code	Completion Code	Interval Number	Case Number	Lease Number	Well Completion Type	Describe Well Completion Type	Completion Status	Date Completed	Date First Produced	Formation	Interval Top (MD)	Interval Bottom (MD)	Interval Perforated?	Perforation Size	Number of Holes	Status of Interval
00	X1	1	NMNM23765	NMNM23765	NEW		GLG	01-19-2021	01-12-2021	WOLFCA MP	10737	20678	Y	.5	2844	OPEN

Treatment Data

Wellbore Code	Completion Code	Interval Number	Interval Treated?	Treatment Type	Tottle Fluid (bbbs)	Total Proppant (lbs)	Treatment Remarks
00	X1	1	Y	FRAC	598307		frac w/25,128,894 gals slickwater, carrying 23,038,223 # local 100 mesh sand.

Production Data

Wellbore Code	Completion Code	Interval Number	API Oil Gravity	Gas Gravity	Production Method	Describe Production	Disposition of Gas	Describe Disposition
00	X1	1			GAS LIFT		SOLD	

Operator Name MEWBOURNE OIL COMPANY SHL SWSE Sec 1 26S 29E	Well Name BUFFALO TRACE 1/36 W10B FEDCOM County EDDY	Well Number 2H	US Well Number 3001546800
Well Type CONVENTIONAL GAS WELL	Well Status Approved Application for Permit to Drill	State NM	Lease Number(s) NMNM023765, NMNM23765, NMNM23765
Allottee/Tribe Name	Well Pad Name BUFFALO TRACE 1/36 OB FED COM	Agreement Name	Agreement Number(s)
		Well Pad Number 2	ID 10400041189

Test Data

Wellbore Code	Completion Code	Interval Number	Test Date	Hours Tested	24-Hour Rate Oil (bbbl)	24-Hour Rate Gas (MCF)	24-Hour Rate Water(BWPD)	Gas-Oil Ratio (SCF/Bbl)	Choke Size	Tubing Pressure	Tubing Pressure Shut-In (psi)	Casing Pressure (psi)
00	X1	1	01/16/2021	24	684	2436	3332	3561	36/64	2120		10

Well Location

Survey Type: RECTANGULAR

Survey Number: 1

Datum: NAD83

Vertical Datum: NAVD88

Reference Datum:

	State	Meridian	County	Latitude	Longitude	Elevation (MSL)	Lease Type	Lease Number	Plug TVD (ft)	Plug MD (ft)	Plug Type	NS-Foot	NS-Indicator	EW-Foot	EW-Indicator	Township	Range	Section	Aliquot/L of Tract
SHL	NEW MEXICO	NEW MEXICO PRINCIPAL	EDDY	32.0653972	-103.9344004	3018	FEDERAL	NMNM023765				400	FSL	1600	FEL	26S	29E	1	SWSE
KOP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	EDDY	32.0643451	-103.9343586	-7096	FEDERAL	NMNM023765				17	FSL	1587	FWL	26S	29E	1	SWSE
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	EDDY	32.07898	-103.9342656	-7664	STATE	STATE				0	FSL	1555	FEL	25S	29E	36	SWSE
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	EDDY	32.0652685	-103.9343604	-7576	FEDERAL	NMNM023765				353	FSL	1587	FEL	26S	29E	1	SWSE

Operator Name MEWBOURNE OIL COMPANY SHL SWSE Sec 1 26S 29E	Well Name BUFFALO TRACE 1/36 W10B FEDCOM County EDDY	Well Number 2H State NM	US Well Number 3001546800 Lease Number(s) NMNM023765, NMNM23765, NMNM23765 Agreement Number(s)
Well Type CONVENTIONAL GAS WELL Allottee/Tribe Name	Well Status Approved Application for Permit to Drill Well Pad Name BUFFALO TRACE 1/36 OB FED COM	Agreement Name Well Pad Number 2	ID 10400041189

	State	Meridian	County	Latitude	Longitude	Elevation (MSL)	Lease Type	Lease Number	Plug TVD (ft)	Plug MD (ft)	Plug Type	NS-Foot	NS-Indicator	EW-Foot	EW-Indicator	Township	Range	Section	Aliquot/Lot/Tract
EXIT Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	EDDY	32.0925589	-103.9343613	-7667	FEDERAL	NMNM23765				373	FNL	1571	FEL	25S	29E	36	NWNE
BHL Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	EDDY	32.0927156	-103.9343593	-7666	FEDERAL	NMNM23765				317	FNL	1570	FEL	25S	29E	36	NWNE

Casing, Liner and Tubing

Casing and Liner

Wellbore Code	Casing String Type	Hole Size	Top Setting Depth (MD)	Bottom Setting Depth (MD)	Casing Size	Wt(lbs/ft)	Casing Grade	Describe Other Casing Grade	Joint	Other Joint	Amount Pulled (ft)
00	SURFACE	17.5	0	879	13.375	54.5	J-55		ST&C		
00	INTERMEDIATE	12.25	0	3360	9.625	40	HCL-80		LT&C		

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Well Type CONVENTIONAL GAS WELL	Well Status Approved Application for Permit to Drill	Agreement Name	Agreement Number(s)
Allottee/Tribe Name	Well Pad Name BUFFALO TRACE 1/36 OB FED COM	Well Pad Number 2	ID 10400041189

Casing and Liner

Wellbore Code	Casing String Type	Hole Size	Top Setting Depth (MD)	Bottom Setting Depth (MD)	Casing Size	Wt(lbs/ft)	Casing Grade	Describe Other Casing Grade	Joint	Other Joint	Amount Pulled (ft)
00	PRODUCTION	8.75	0	9968	7.625	39	HCP-110		LT&C		
00	LINER	6.125	9768	20734	4.5	13.5	HCP-110		OTHER	CDC-HTQ	

Cementing

Wellbore Code	Casing String Type	Stage Tool Depth	Cement Lead Type	Cement Lead Qty (sks)	Cement Lead Yield (cu.ft/sks)	Cement Lead Top (MD)	Cement Tail Type	Cement Tail Qty (sks)	Cement Tail Yield(cu.ft/sks)	Cement Tail Top (MD)	Total (Lead + Tail) Cement Slurry Volume (bbls)
00	SURFACE		Class C	550	1.74	0	Class C	200	1.34	493	218.2
00	INTERMEDIATE		Class C	600	2.2	0	Class C	200	1.35	2497	283.2
00	PRODUCTION		Class C	175	3.74	2254	50/50 Poz	400	1.28	6555	207.8
00	LINER		Class H	1300	1.17	9768				925	270.9

Tubing

Wellbore Code	Tubing Size	Describe Other	Tubing Setting Depth (MD/ft)	Packer Depth (MD/ft)	Tubing Weight	Tubing Grade	Describe Other	Tubing Coupling	Describe Other
00	3.5		9730	9719	9	L-80		OTHER	IPC

Operator Name MEWBOURNE OIL COMPANY SHL SWSE Sec 1 26S 29E	Well Name BUFFALO TRACE 1/36 W10B FEDCOM County EDDY	Well Number 2H	US Well Number 3001546800
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Allottee/Tribe Name	Well Pad Name BUFFALO TRACE 1/36 OB FED COM	Agreement Name	Agreement Number(s)
		Well Pad Number 2	ID 10400041189

Logs

Wellbore Code	Log Upload	Was Well Cored?	Was DST Run?	Directional Survey?	Geologic Report Completed?	Wellbore Diagram
00	YES	NO	NO	YES	YES	YES

Operator Certification

I hereby certify that the foregoing and attached information is complete and correct as determined from all available records. 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 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 Well Completion Reports through this system satisfies regulations requiring a submission of Form 3160-4 or a Well Completion Report.

Name: MEWBOURNE OIL COMPANY

Signed By: Bradley Bishop

Title: Regulatory

Signed on: 02/09/2021

Street Address: P O BOX 5270

City: HOBBS

State: NM

Zip: 88241

Phone: (505)393-5905

Email address:

Field Representative

Representative Name: Jackie Lathan

Street Address: PO Box 5270

City: Hobbs

State: NM

Zip: 88241

Phone: (575)393-5905

Extension:

Email address: jlathan@mewbourne.com

Operator Name MEWBOURNE OIL COMPANY SHL SWSE Sec 1 26S 29E	Well Name BUFFALO TRACE 1/36 W10B FEDCOM County EDDY	Well Number 2H State NM	US Well Number 3001546800 Lease Number(s) NMNM023765, NMNM23765, NMNM23765 Agreement Number(s)
Well Type CONVENTIONAL GAS WELL Allottee/Tribe Name	Well Status Approved Application for Permit to Drill Well Pad Name BUFFALO TRACE 1/36 OB FED COM	Agreement Name Well Pad Number 2	ID 10400041189

Attachments

Buffalo_Trace_1_36_W10B_Fed_Com__20210203130352

MewbourneBuffaloTrace136W10BFedCom2Hcnlemail_20210203130630.pdf

MewbourneBuffaloTrace136W10BFedCom2Hrcblemail_20210203130644.pdf

BUFFALO_TRACE_1_36_W10B_FED_COM_2H__20740_5inch_20210203130706.pdf

Buffalo_Trace_1_36_W10B_Fed_Com_2H_2.5_In_MD_20210203133050.pdf

Buffalo_Trace_1_36_W10B_Fed_Com_2H_5_In_MD_20210203133109.pdf

Buffalo_Trace_1_36_W10B_Fed_Com_2H_5_In_TVD_20210203133131.pdf

Buffalo_Trace_1_36_W10B_Fed_Com_2H_WB_Diagram_20210208172742.xlsx

Mewbourne Oil Company

Well Name: Buffalo Trace 1/36 W10B Fed Com #2H

Updated by: Andy Taylor

Spud Date: 5/11/2020

Date Updated: 2/8/2021

Surface

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

Set @ 879'

Cmt w/ 750 sx

Circ. 332 sx to pit

Intermediate

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

Set @ 3360'

Cmt w/ 800 sx

Circ. 41 sx to pit

Production

8 3/4" x 7 1/4" 39# HCP110

Set @ 9968'

Cmt w/ 575 sx

TOC @ 2254' (Calc)

TBG Detail:

1	3 1/2" x 7" AS 1X Pkr	9.25'
1	3 1/2" SN & Collar	1.10'
1	3 1/2" 9.3# L80 IPC tbg	32.67'
1	3 1/2" L80 IPC GLV #1	4.10'
20	3 1/2" 9.3# L80 IPC tbg	654.40'
1	3 1/2" L80 IPC GLV #2	4.10'
20	3 1/2" 9.3# L80 IPC tbg	652.67'
1	3 1/2" L80 IPC GLV #3	4.10'
21	3 1/2" 9.3# L80 IPC tbg	682.34'
1	3 1/2" L80 IPC GLV #4	4.10'
20	3 1/2" 9.3# L80 IPC tbg	648.92'
1	3 1/2" L80 IPC GLV #5	4.10'
21	3 1/2" 9.3# L80 IPC tbg	681.61'
1	3 1/2" L80 IPC GLV #6	4.10'
22	3 1/2" 9.3# L80 IPC tbg	714.09'
1	3 1/2" L80 IPC GLV #7	4.10'
22	3 1/2" 9.3# L80 IPC tbg	711.84'
1	3 1/2" L80 IPC GLV #8	4.10'
23	3 1/2" 9.3# L80 IPC tbg	747.36'
1	3 1/2" L80 IPC GLV #9	4.10'
24	3 1/2" 9.3# L80 IPC tbg	784.01'
1	3 1/2" L80 IPC GLV #10	4.10'
25	3 1/2" 9.3# L80 IPC tbg	803.04'
1	3 1/2" L80 IPC GLV #11	4.10'
79	3 1/2" 9.3# L80 IPC tbg	2543.85'
Total tbg		9712.58'
KB Correction		16.00'
Tbg set @		9728.58'

Liner

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

Set @ 9768' - 20,734'

KOP @ 10,125'

Dev @ KOP: 2.20°

TVD @ 10,692'

TD 6 1/8" hole @ 20,735'

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 Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 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

ACKNOWLEDGMENTS

Action 21558

ACKNOWLEDGMENTS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 21558
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

☐	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☐	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

District I
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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 21558

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 21558
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	None	6/16/2021