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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 / 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 W1OB Fed Com	⁹ Well Number 1H

II. 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
O	1	26S	29E		400	South	1630	East	Eddy

¹¹ Bottom Hole Location

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	2120	East	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

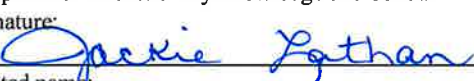
¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
195739	Plains Pipeline 5500 Ming Ave Suite 300 Bakersfield, CA 93309	O
314437	Delaware Basin Midstream PO Box 1330 Houston, TX 77251-1330	G

IV. Well Completion Data

²¹ Spud Date 04/12/2020	²² Ready Date 01/12/2021	²³ TD 20584' MD	²⁴ PBDT 20529'	²⁵ Perforations 10631' - 20514'	²⁶ DHC, MC NA
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 ½"	13 ¾" 54.5# J55	881'	775		
12 ¼"	9 ⅝" 40# HCL80	3357'	750		
8 ¾"	7 ⅝" 39# HCP110	9802'	550		
6 ⅝"	4 ½" 13.5# HCP110 3 ½"	9600' - 20570' 9525'	950		

V. Well Test Data

³¹ Date New Oil 01/12/2021	³² Gas Delivery Date 1/12/2021	³³ Test Date 01/15/2021	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure 2140	³⁶ Csg. Pressure 1720
³⁷ Choke Size 34/64"	³⁸ Oil 672	³⁹ Water 3226	⁴⁰ Gas 1858		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 Approved by: KURT SIMMONS
Printed name: Jackie Lathan	Title: NMOCD, SANTA FE
Title: Regulatory	Approval Date: 06/16/2021
E-mail Address: jlathan@mewbourne.com	
Date: 03/22/2021	Phone: 575-393-5905

Received by OCD: 3/22/2021 8:36:15 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 30-015-46774	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 1H
⁷ GRID NO. 14744	⁸ Operator Name MEWBOURNE OIL COMPANY	⁹ Elevation 3017'

¹⁰ Surface Location

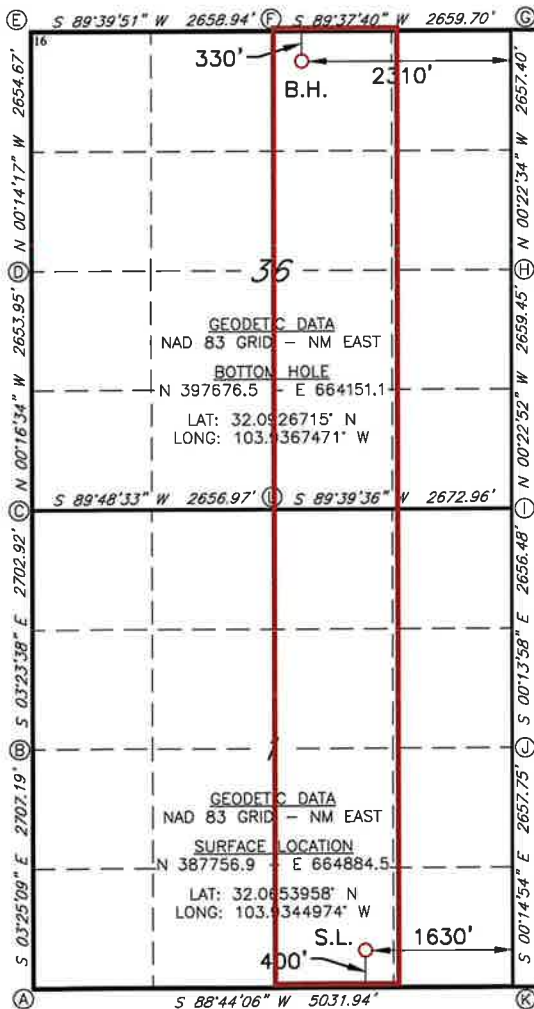
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
0	1	26S	29E		400	SOUTH	1630	EAST	EDDY

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	2120	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.



CORNER DATA

NAD 83 GRID - NM EAST

A: FOUND BRASS CAP "1940"
N 387281.8 - E 661486.2

B: FOUND BRASS CAP "1940"
N 389983.6 - E 661324.8

C: FOUND BRASS CAP "1940"
N 392681.2 - E 661164.8

D: FOUND BRASS CAP "1940"
N 395334.5 - E 661152.0

E: FOUND 5/8" REBAR
N 397988.6 - E 661141.0

F: FOUND BRASS CAP "1940"
N 398004.2 - E 663799.3

G: FOUND BRASS CAP "1940"
N 398021.5 - E 666458.4

H: FOUND BRASS CAP "1940"
N 395364.7 - E 666475.8

I: FOUND BRASS CAP "1940"
N 392705.9 - E 666493.5

J: FOUND BRASS CAP "1940"
N 390050.0 - E 666504.3

K: FOUND 1/2" REBAR
N 387392.8 - E 666515.9

L: FOUND BRASS CAP "1940"
N 392690.0 - E 663821.2

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: 01/28/2021

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.:

LS19040491

Plan #1



Project: Eddy Co., NM (NAD 83)
 Site: Buffalo Trace Pad
 Well: Buffalo Trace 1-36 W10B Fed Com #1H
 Wellbore: OH
 Design: Plan #1
 Lat: 32.065396
 Long: -103.934497
 GL: 3017.00
 KB: RKB=28' @ 3045.00usft (Patterson 564)



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

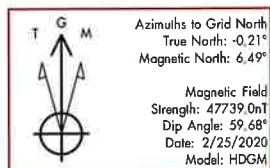
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	387356.90	664884.50	32.065396	-103.934497

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
W10B #1H BB Point	9917.04	-400.99	-493.58	387355.91	664390.92	Point
W10B #1H PBHL	10510.00	9920.78	-548.89	397677.68	664335.61	Point

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1050.00	0.00	0.00	1050.00	0.00	0.00	0.00	0.00	0.00	Build 1.50°/100'
1332.45	4.24	230.91	1332.19	-6.58	-8.10	1.50	230.91	-6.12	8325' Hold
9657.86	4.24	230.91	9634.85	-394.41	-485.48	0.00	0.00	-366.99	Drop 1.50°/100'
9940.31	0.00	0.00	9917.04	-400.99	-493.58	1.50	180.00	-373.11	Build 10°/100'
10839.13	89.88	359.69	10490.00	170.78	-496.64	10.00	359.69	197.96	9750' Hold
20589.29	89.88	359.69	10510.00	9920.78	-548.89	0.00	0.00	9935.96	TD at 20589.29



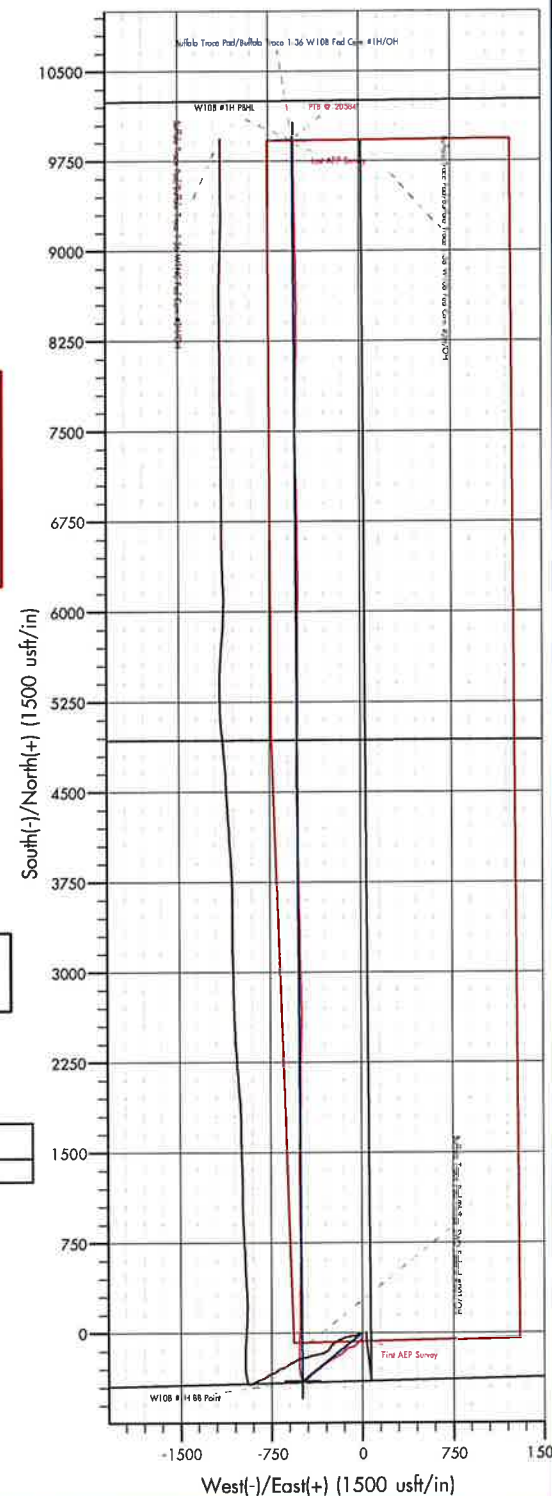
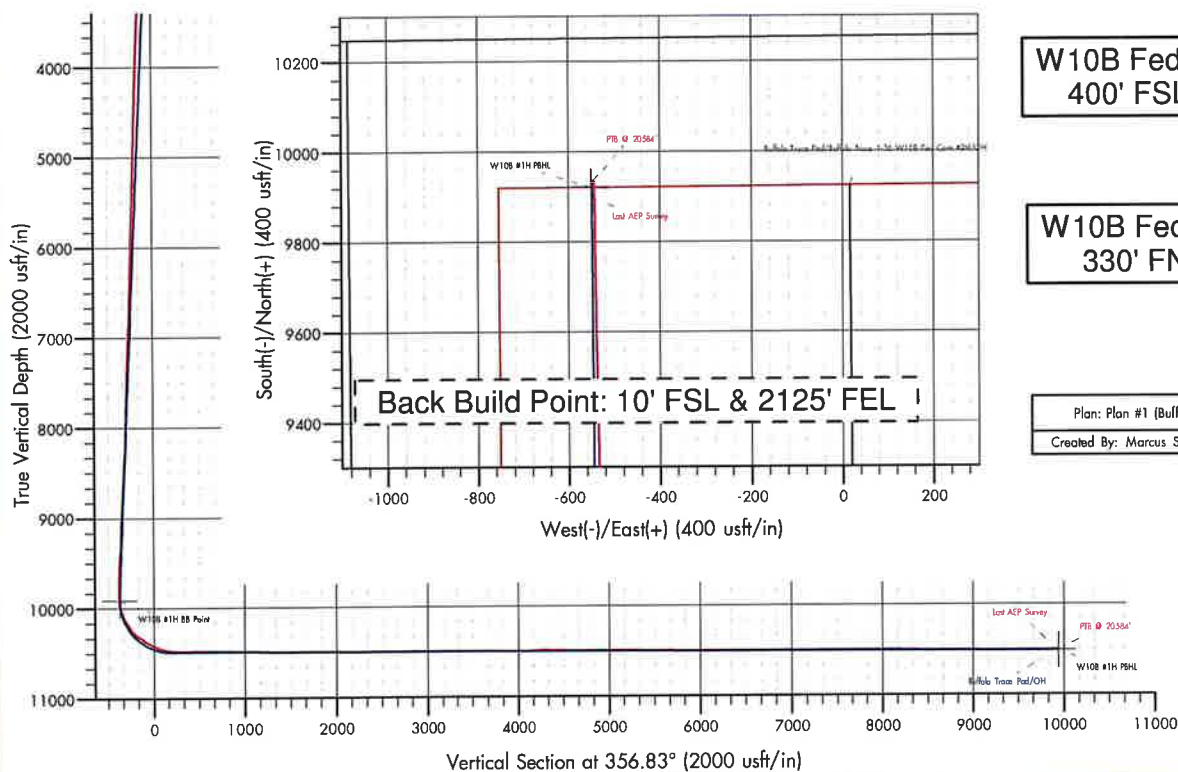
HARD LINES
 330' N/ S Hard Lines
 330' FEL Hard Line
 2186' FEL @ South Line
 2343' FEL @ Center Line
 2330' FEL @ North Line

W10B Fed Com #1H SHL:
 400' FSL & 1630' FEL

W10B Fed Com #1H PBHL:
 330' FNL & 2125' FEL

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

Created By: Marcus Spurgin Date: 10-26 May 27 2020





Mewbourne Oil Company

Eddy Co., NM (NAD 83)

Buffalo Trace Pad

Buffalo Trace 1-36 W10B Fed Com #1H

OH

Design: OH

Standard Survey Report

27 May, 2020





Altitude Energy Partners

Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Buffalo Trace 1-36 W10B Fed Com #1H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	RKB=28' @ 3045.00usft (Patterson 564)
Site:	Buffalo Trace Pad	MD Reference:	RKB=28' @ 3045.00usft (Patterson 564)
Well:	Buffalo Trace 1-36 W10B Fed Com #1H	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)	System Datum:	Mean Sea Level
Map System:	US State Plane 1983		
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 #1H					
Well Position	+N/-S	0.00 usft	Northing:	387,756.90 usft	Latitude:	32.065396
	+E/-W	0.00 usft	Easting:	664,884.50 usft	Longitude:	-103.934498
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,017.00 usft
Grid Convergence:		0.21 °				

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	2/25/2020	6.70	59.68	47,739.00000000

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	356.83	

Survey Program	Date	5/27/2020			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
100.00	821.00	Surface (OH)	MWD	OWSG MWD - Standard	
963.00	20,584.00	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	0.27	57.78	100.00	0.13	0.20	0.11	0.27	0.27	0.00	
200.00	0.14	211.28	200.00	0.15	0.34	0.13	0.40	-0.13	153.50	
300.00	0.42	146.48	300.00	-0.26	0.47	-0.29	0.38	0.28	-64.80	
400.00	1.34	180.88	399.99	-1.74	0.66	-1.77	1.02	0.92	34.40	
500.00	1.64	173.67	499.95	-4.33	0.80	-4.37	0.35	0.30	-7.21	
600.00	2.61	171.34	599.88	-8.00	1.30	-8.06	0.97	0.97	-2.33	
700.00	3.61	174.10	699.73	-13.39	1.97	-13.47	1.01	1.00	2.76	
800.00	3.71	175.64	799.53	-19.74	2.54	-19.85	0.14	0.10	1.54	



Altitude Energy Partners

Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Buffalo Trace 1-36 W10B Fed Com #1H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	RKB=28' @ 3045.00usft (Patterson 564)
Site:	Buffalo Trace Pad	MD Reference:	RKB=28' @ 3045.00usft (Patterson 564)
Well:	Buffalo Trace 1-36 W10B Fed Com #1H	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)
821.00	3.52	176.15	820.49	-21.06	2.63	-21.18	0.92	-0.90	2.43
963.00	6.05	194.49	961.99	-32.66	1.05	-32.67	2.06	1.78	12.92
First AEP Survey									
1,153.00	7.32	212.53	1,150.71	-52.56	-7.97	-52.04	1.28	0.67	9.49
1,343.00	8.34	223.03	1,338.95	-72.84	-23.88	-71.41	0.92	0.54	5.53
1,532.00	8.19	232.58	1,526.00	-91.04	-43.92	-88.47	0.73	-0.08	5.05
1,722.00	4.95	221.88	1,714.73	-105.37	-60.15	-101.89	1.82	-1.71	-5.63
1,911.00	2.76	234.39	1,903.29	-114.10	-69.29	-110.09	1.23	-1.16	6.62
2,097.00	3.28	261.59	2,089.04	-117.48	-78.20	-112.98	0.81	0.28	14.62
2,283.00	3.46	260.18	2,274.72	-119.22	-88.99	-114.11	0.11	0.10	-0.76
2,470.00	3.86	269.07	2,461.34	-120.28	-100.85	-114.52	0.37	0.21	4.75
2,657.00	5.15	238.61	2,647.79	-124.76	-114.31	-118.24	1.43	0.69	-16.29
2,843.00	3.44	229.89	2,833.26	-132.70	-125.70	-125.55	0.98	-0.92	-4.69
3,029.00	3.42	223.06	3,018.93	-140.35	-133.76	-132.74	0.22	-0.01	-3.67
3,215.00	4.15	222.34	3,204.52	-149.38	-142.08	-141.29	0.39	0.39	-0.39
3,312.00	4.43	222.05	3,301.25	-154.75	-146.95	-146.39	0.29	0.29	-0.30
3,501.00	4.52	236.96	3,489.68	-164.23	-158.08	-155.24	0.62	0.05	7.89
3,687.00	4.49	237.96	3,675.10	-172.09	-170.40	-162.41	0.05	-0.02	0.54
3,873.00	4.61	237.64	3,860.52	-179.96	-182.89	-169.57	0.07	0.06	-0.17
4,060.00	4.51	238.48	4,046.93	-187.82	-195.50	-176.72	0.06	-0.05	0.45
4,246.00	3.93	237.59	4,232.42	-195.06	-207.12	-183.31	0.31	-0.31	-0.48
4,432.00	3.99	239.14	4,417.98	-201.80	-218.05	-189.43	0.07	0.03	0.83
4,618.00	4.07	240.77	4,603.52	-208.34	-229.37	-195.34	0.08	0.04	0.88
4,805.00	3.85	243.31	4,790.07	-214.40	-240.77	-200.76	0.15	-0.12	1.36
4,992.00	3.62	239.20	4,976.67	-220.24	-251.45	-206.00	0.19	-0.12	-2.20
5,179.00	3.60	239.82	5,163.30	-226.22	-261.59	-211.40	0.02	-0.01	0.33
5,365.00	3.62	238.89	5,348.93	-232.19	-271.67	-216.81	0.03	0.01	-0.50
5,551.00	3.52	243.13	5,534.57	-237.80	-281.79	-221.85	0.15	-0.05	2.28
5,736.00	3.46	237.83	5,719.23	-243.34	-291.58	-226.84	0.18	-0.03	-2.86
5,922.00	3.23	235.18	5,904.91	-249.32	-300.63	-232.31	0.15	-0.12	-1.42
6,108.00	2.93	231.63	6,090.64	-255.26	-308.66	-237.80	0.19	-0.16	-1.91
6,294.00	2.77	229.99	6,276.41	-261.10	-315.83	-243.24	0.10	-0.09	-0.88
6,481.00	2.73	231.47	6,463.20	-266.78	-322.78	-248.53	0.04	-0.02	0.79
6,666.00	2.64	220.71	6,648.00	-272.76	-329.00	-254.15	0.28	-0.05	-5.82
6,854.00	4.31	227.86	6,835.65	-280.78	-337.07	-261.71	0.92	0.89	3.80
7,040.00	3.05	225.05	7,021.26	-288.97	-345.75	-269.40	0.68	-0.68	-1.51
7,228.00	3.76	228.24	7,208.93	-296.60	-353.89	-276.58	0.39	0.38	1.70
7,414.00	3.34	235.55	7,394.57	-303.73	-362.91	-283.20	0.33	-0.23	3.93
7,600.00	2.84	243.79	7,580.30	-308.83	-371.51	-287.81	0.36	-0.27	4.43
7,786.00	3.13	238.35	7,766.05	-313.53	-379.96	-292.04	0.22	0.16	-2.92
7,973.00	2.93	237.92	7,952.79	-318.75	-388.36	-296.78	0.11	-0.11	-0.23
8,158.00	3.13	226.53	8,137.53	-324.73	-396.03	-302.34	0.34	0.11	-6.16
8,345.00	5.16	232.08	8,324.03	-333.42	-406.37	-310.43	1.11	1.09	2.97



Altitude Energy Partners

Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Buffalo Trace 1-36 W10B Fed Com #1H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	RKB=28' @ 3045.00usft (Patterson 564)
Site:	Buffalo Trace Pad	MD Reference:	RKB=28' @ 3045.00usft (Patterson 564)
Well:	Buffalo Trace 1-36 W10B Fed Com #1H	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)
8,531.00	5.31	227.29	8,509.26	-344.39	-419.29	-320.68	0.25	0.08	-2.58
8,718.00	4.15	225.21	8,695.62	-355.03	-430.45	-330.68	0.63	-0.62	-1.11
8,903.00	3.54	209.08	8,880.20	-364.74	-437.98	-339.96	0.67	-0.33	-8.72
9,090.00	4.60	240.04	9,066.75	-373.53	-447.29	-348.22	1.28	0.57	16.56
9,276.00	4.55	233.37	9,252.16	-381.66	-459.67	-355.65	0.29	-0.03	-3.59
9,462.00	5.66	199.15	9,437.46	-394.73	-468.60	-368.21	1.71	0.60	-18.40
9,648.00	2.98	223.36	9,622.93	-406.91	-474.93	-380.02	1.71	-1.44	13.02
9,835.00	2.22	279.91	9,809.76	-409.82	-481.84	-382.55	1.36	-0.41	30.24
9,933.00	2.04	271.58	9,907.70	-409.44	-485.45	-381.97	0.36	-0.18	-8.50
9,979.00	7.19	314.65	9,953.54	-407.40	-488.32	-379.77	12.75	11.20	93.63
10,026.00	14.04	332.89	9,999.72	-400.25	-493.02	-372.37	16.06	14.57	38.81
10,072.00	20.46	342.41	10,043.64	-387.60	-497.99	-359.47	15.20	13.96	20.70
10,119.00	24.79	347.89	10,087.01	-370.12	-502.55	-341.77	10.24	9.21	11.66
10,166.00	28.84	349.20	10,128.95	-349.35	-506.74	-320.79	8.71	8.62	2.79
10,212.00	32.82	353.04	10,168.45	-326.06	-510.33	-297.34	9.65	8.65	8.35
10,258.00	34.84	352.98	10,206.66	-300.64	-513.45	-271.79	4.39	4.39	-0.13
10,305.00	37.54	354.81	10,244.59	-273.05	-516.38	-244.08	6.19	5.74	3.89
10,351.00	45.59	358.11	10,278.98	-242.62	-518.20	-213.60	18.13	17.50	7.17
10,398.00	52.20	1.17	10,309.87	-207.24	-518.37	-178.25	14.89	14.06	6.51
10,445.00	54.50	2.27	10,337.92	-169.55	-517.23	-140.69	5.24	4.89	2.34
10,491.00	57.03	1.30	10,363.80	-131.54	-516.06	-102.80	5.77	5.50	-2.11
10,537.00	59.28	2.25	10,388.07	-92.49	-514.84	-63.88	5.20	4.89	2.07
10,584.00	61.96	2.57	10,411.12	-51.57	-513.12	-23.12	5.73	5.70	0.68
10,630.00	66.44	2.41	10,431.14	-10.21	-511.32	18.08	9.74	9.74	-0.35
10,677.00	73.01	1.31	10,447.42	33.83	-509.90	61.98	14.15	13.98	-2.34
10,723.00	77.53	1.30	10,459.11	78.30	-508.89	106.32	9.83	9.83	-0.02
10,770.00	79.87	0.51	10,468.32	124.38	-508.16	152.29	5.24	4.98	-1.68
10,816.00	81.22	359.78	10,475.88	169.75	-508.04	197.59	3.33	2.93	-1.59
10,864.00	82.92	359.74	10,482.50	217.29	-508.24	245.06	3.54	3.54	-0.08
10,910.00	89.52	0.54	10,485.53	263.16	-508.13	290.86	14.45	14.35	1.74
10,957.00	92.16	1.79	10,484.84	310.14	-507.18	337.72	6.21	5.62	2.66
11,049.00	90.08	1.03	10,483.04	402.09	-504.91	429.40	2.41	-2.26	-0.83
11,099.00	91.01	0.73	10,482.57	452.08	-504.14	479.27	1.95	1.86	-0.60
11,137.00	91.48	0.94	10,481.74	490.07	-503.59	517.17	1.35	1.24	0.55
11,230.00	89.44	1.11	10,481.00	583.05	-501.93	609.91	2.20	-2.19	0.18
11,322.00	88.88	359.79	10,482.34	675.03	-501.20	701.72	1.56	-0.61	-1.43
11,415.00	88.54	358.44	10,484.44	768.00	-502.64	794.62	1.50	-0.37	-1.45
11,507.00	88.91	358.52	10,486.48	859.94	-505.08	886.56	0.41	0.40	0.09
11,599.00	88.68	359.22	10,488.42	951.90	-506.89	978.48	0.80	-0.25	0.76
11,693.00	89.02	359.26	10,490.31	1,045.88	-508.14	1,072.37	0.36	0.36	0.04
11,786.00	89.13	359.61	10,491.81	1,138.86	-509.06	1,165.27	0.39	0.12	0.38
11,879.00	89.47	359.24	10,492.94	1,231.85	-509.99	1,258.16	0.54	0.37	-0.40
11,971.00	88.88	359.99	10,494.27	1,323.83	-510.61	1,350.04	1.04	-0.64	0.82
12,064.00	89.89	0.23	10,495.27	1,416.83	-510.43	1,442.89	1.12	1.09	0.26



Altitude Energy Partners

Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Buffalo Trace 1-36 W10B Fed Com #1H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	RKB=28' @ 3045.00usft (Patterson 564)
Site:	Buffalo Trace Pad	MD Reference:	RKB=28' @ 3045.00usft (Patterson 564)
Well:	Buffalo Trace 1-36 W10B Fed Com #1H	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)
12,157.00	90.03	1.39	10,495.33	1,509.82	-509.12	1,535.66	1.26	0.15	1.25
12,250.00	89.94	1.61	10,495.36	1,602.78	-506.68	1,628.35	0.26	-0.10	0.24
12,343.00	89.47	0.87	10,495.83	1,695.76	-504.67	1,721.07	0.94	-0.51	-0.80
12,435.00	90.00	0.95	10,496.26	1,787.75	-503.21	1,812.84	0.58	0.58	0.09
12,528.00	89.92	0.32	10,496.33	1,880.74	-502.18	1,905.63	0.68	-0.09	-0.68
12,621.00	88.79	359.63	10,497.37	1,973.73	-502.22	1,998.49	1.42	-1.22	-0.74
12,714.00	89.69	0.89	10,498.61	2,066.72	-501.80	2,091.31	1.66	0.97	1.35
12,806.00	90.31	0.98	10,498.61	2,158.71	-500.29	2,183.07	0.68	0.67	0.10
12,899.00	90.25	1.44	10,498.15	2,251.69	-498.33	2,275.80	0.50	-0.06	0.49
12,993.00	90.20	1.75	10,497.78	2,345.65	-495.71	2,369.47	0.33	-0.05	0.33
13,087.00	90.00	0.67	10,497.62	2,439.63	-493.73	2,463.20	1.17	-0.21	-1.15
13,182.00	89.69	1.59	10,497.88	2,534.61	-491.86	2,557.93	1.02	-0.33	0.97
13,275.00	90.28	0.12	10,497.90	2,627.59	-490.47	2,650.69	1.70	0.63	-1.58
13,369.00	90.48	359.60	10,497.28	2,721.59	-490.70	2,744.66	0.59	0.21	-0.55
13,462.00	90.45	358.79	10,496.52	2,814.58	-492.00	2,837.48	0.87	-0.03	-0.87
13,555.00	90.34	358.28	10,495.88	2,907.54	-494.38	2,930.43	0.56	-0.12	-0.55
13,648.00	90.22	357.83	10,495.43	3,000.49	-497.54	3,023.41	0.50	-0.13	-0.48
13,741.00	90.31	0.14	10,495.00	3,093.47	-499.19	3,116.34	2.49	0.10	2.48
13,834.00	90.00	359.20	10,494.74	3,186.46	-499.72	3,209.22	1.06	-0.33	-1.01
13,928.00	90.56	359.89	10,494.28	3,280.46	-500.47	3,303.12	0.95	0.60	0.73
14,020.00	88.79	357.14	10,494.81	3,372.41	-502.85	3,395.06	3.55	-1.92	-2.99
14,113.00	90.06	359.80	10,495.74	3,465.37	-505.33	3,488.01	3.17	1.37	2.86
14,206.00	89.75	358.04	10,495.89	3,558.35	-507.09	3,580.94	1.92	-0.33	-1.89
14,300.00	89.13	359.27	10,496.81	3,652.31	-509.29	3,674.89	1.47	-0.66	1.31
14,392.00	89.47	359.00	10,497.94	3,744.30	-510.68	3,766.81	0.47	0.37	-0.29
14,485.00	90.08	359.15	10,498.30	3,837.28	-512.18	3,859.73	0.68	0.66	0.16
14,577.00	89.92	358.24	10,498.30	3,929.26	-514.28	3,951.68	1.00	-0.17	-0.99
14,670.00	90.00	358.73	10,498.37	4,022.23	-516.74	4,044.65	0.53	0.09	0.53
14,763.00	93.51	0.04	10,495.52	4,115.16	-517.74	4,137.49	4.03	3.77	1.41
14,856.00	90.92	359.05	10,491.92	4,208.08	-518.47	4,230.31	2.98	-2.78	-1.06
14,950.00	89.41	358.41	10,491.65	4,302.05	-520.56	4,324.25	1.74	-1.61	-0.68
15,043.00	89.55	358.07	10,492.50	4,395.00	-523.41	4,417.22	0.40	0.15	-0.37
15,137.00	89.64	358.16	10,493.16	4,488.95	-526.51	4,511.20	0.14	0.10	0.10
15,229.00	88.85	359.65	10,494.37	4,580.92	-528.26	4,603.13	1.83	-0.86	1.62
15,323.00	89.94	0.03	10,495.37	4,674.92	-528.53	4,696.99	1.23	1.16	0.40
15,416.00	89.78	1.69	10,495.59	4,767.90	-527.13	4,789.76	1.79	-0.17	1.78
15,509.00	90.06	2.38	10,495.72	4,860.84	-523.83	4,882.37	0.80	0.30	0.74
15,602.00	90.00	1.07	10,495.68	4,953.80	-521.03	4,975.03	1.41	-0.06	-1.41
15,694.00	90.00	0.20	10,495.68	5,045.79	-520.01	5,066.83	0.95	0.00	-0.95
15,789.00	89.97	0.35	10,495.70	5,140.79	-519.55	5,161.65	0.16	-0.03	0.16
15,882.00	89.52	0.80	10,496.11	5,233.78	-518.62	5,254.45	0.68	-0.48	0.48
15,975.00	88.71	359.69	10,497.55	5,326.77	-518.22	5,347.28	1.48	-0.87	-1.19
16,069.00	89.50	0.51	10,499.02	5,420.76	-518.06	5,441.11	1.21	0.84	0.87



Altitude Energy Partners

Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Buffalo Trace 1-36 W10B Fed Com #1H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	RKB=28' @ 3045.00usft (Patterson 564)
Site:	Buffalo Trace Pad	MD Reference:	RKB=28' @ 3045.00usft (Patterson 564)
Well:	Buffalo Trace 1-36 W10B Fed Com #1H	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)
16,162.00	89.47	0.86	10,499.86	5,513.75	-516.95	5,533.90	0.38	-0.03	0.38
16,255.00	89.61	0.63	10,500.60	5,606.73	-515.74	5,626.68	0.29	0.15	-0.25
16,349.00	89.58	0.84	10,501.27	5,700.72	-514.53	5,720.45	0.23	-0.03	0.22
16,441.00	89.30	358.95	10,502.17	5,792.72	-514.70	5,812.31	2.08	-0.30	-2.05
16,534.00	90.17	0.61	10,502.60	5,885.71	-515.06	5,905.19	2.02	0.94	1.78
16,627.00	90.11	0.83	10,502.37	5,978.70	-513.89	5,997.97	0.25	-0.06	0.24
16,720.00	90.06	0.78	10,502.23	6,071.69	-512.58	6,090.75	0.08	-0.05	-0.05
16,812.00	89.78	0.68	10,502.36	6,163.69	-511.41	6,182.53	0.32	-0.30	-0.11
16,904.00	90.11	0.35	10,502.45	6,255.68	-510.58	6,274.34	0.51	0.36	-0.36
16,998.00	90.06	358.47	10,502.31	6,349.67	-511.55	6,368.24	2.00	-0.05	-2.00
17,091.00	89.97	358.64	10,502.28	6,442.64	-513.90	6,461.20	0.21	-0.10	0.18
17,184.00	90.00	358.83	10,502.31	6,535.62	-515.95	6,554.15	0.21	0.03	0.20
17,276.00	89.86	359.10	10,502.42	6,627.60	-517.61	6,646.09	0.33	-0.15	0.29
17,369.00	90.06	358.61	10,502.49	6,720.59	-519.47	6,739.03	0.57	0.22	-0.53
17,463.00	90.28	359.03	10,502.21	6,814.57	-521.40	6,832.97	0.50	0.23	0.45
17,558.00	90.00	359.17	10,501.97	6,909.55	-522.90	6,927.90	0.33	-0.29	0.15
17,651.00	89.97	358.47	10,502.00	7,002.53	-524.81	7,020.84	0.75	-0.03	-0.75
17,743.00	89.94	358.68	10,502.07	7,094.50	-527.10	7,112.80	0.23	-0.03	0.23
17,835.00	90.03	358.13	10,502.09	7,186.47	-529.66	7,204.76	0.61	0.10	-0.60
17,927.00	90.14	358.62	10,501.96	7,278.43	-532.27	7,296.73	0.55	0.12	0.53
18,020.00	90.20	358.52	10,501.68	7,371.40	-534.59	7,389.68	0.13	0.06	-0.11
18,112.00	90.00	0.03	10,501.52	7,463.39	-535.75	7,481.60	1.66	-0.22	1.64
18,204.00	90.17	1.28	10,501.39	7,555.38	-534.70	7,573.39	1.37	0.18	1.36
18,297.00	90.08	0.47	10,501.18	7,648.37	-533.28	7,666.16	0.88	-0.10	-0.87
18,389.00	90.00	1.02	10,501.12	7,740.36	-532.09	7,757.94	0.60	-0.09	0.60
18,481.00	90.25	1.04	10,500.92	7,832.35	-530.43	7,849.70	0.27	0.27	0.02
18,573.00	90.17	1.22	10,500.58	7,924.33	-528.62	7,941.44	0.21	-0.09	0.20
18,666.00	90.17	0.96	10,500.30	8,017.31	-526.85	8,034.18	0.28	0.00	-0.28
18,758.00	89.80	1.35	10,500.33	8,109.29	-524.99	8,125.92	0.58	-0.40	0.42
18,850.00	89.10	359.95	10,501.21	8,201.28	-523.95	8,217.70	1.70	-0.76	-1.52
18,942.00	89.80	0.89	10,502.09	8,293.27	-523.28	8,309.52	1.27	0.76	1.02
19,035.00	89.10	0.56	10,502.99	8,386.26	-522.10	8,402.30	0.83	-0.75	-0.35
19,127.00	89.30	0.25	10,504.27	8,478.25	-521.45	8,494.11	0.40	0.22	-0.34
19,219.00	89.69	359.42	10,505.08	8,570.24	-521.71	8,585.98	1.00	0.42	-0.90
19,311.00	89.64	358.74	10,505.62	8,662.23	-523.19	8,677.91	0.74	-0.05	-0.74
19,403.00	89.75	359.29	10,506.11	8,754.21	-524.77	8,769.84	0.61	0.12	0.60
19,496.00	89.75	359.59	10,506.52	8,847.21	-525.68	8,862.74	0.32	0.00	0.32
19,588.00	89.64	359.32	10,507.01	8,939.20	-526.56	8,954.64	0.32	-0.12	-0.29
19,680.00	89.13	358.84	10,507.99	9,031.19	-528.03	9,046.57	0.76	-0.55	-0.52
19,773.00	89.66	358.67	10,508.98	9,124.16	-530.05	9,139.51	0.60	0.57	-0.18
19,865.00	89.72	358.70	10,509.47	9,216.13	-532.17	9,231.46	0.07	0.07	0.03
19,957.00	88.85	358.68	10,510.62	9,308.10	-534.27	9,323.40	0.95	-0.95	-0.02
20,050.00	89.75	358.94	10,511.76	9,401.07	-536.20	9,416.34	1.01	0.97	0.28



Altitude Energy Partners

Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Buffalo Trace 1-36 W10B Fed Com #1H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	RKB=28' @ 3045.00usft (Patterson 564)
Site:	Buffalo Trace Pad	MD Reference:	RKB=28' @ 3045.00usft (Patterson 564)
Well:	Buffalo Trace 1-36 W10B Fed Com #1H	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)
20,142.00	90.06	359.03	10,511.91	9,493.06	-537.83	9,508.27	0.35	0.34	0.10
20,234.00	91.40	359.05	10,510.74	9,585.03	-539.37	9,600.19	1.46	1.46	0.02
20,326.00	90.36	359.37	10,509.33	9,677.01	-540.64	9,692.10	1.18	-1.13	0.35
20,419.00	90.70	359.55	10,508.46	9,770.01	-541.52	9,785.00	0.41	0.37	0.19
20,511.00	90.34	359.32	10,507.63	9,862.00	-542.42	9,876.90	0.46	-0.39	-0.25
20,545.00	89.55	359.01	10,507.66	9,895.99	-542.92	9,910.87	2.50	-2.32	-0.91
Last AEP Survey									
20,584.00	89.55	359.01	10,507.97	9,934.99	-543.59	9,949.84	0.00	0.00	0.00
PTB @ 20584'									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- Hit/Miss target									
- Shape									
W10B #1H BB Point	0.00	0.00	9,917.04	-400.99	-493.58	387,355.91	664,390.93	32.064299	-103.936096
- actual wellpath misses target center by 11.39usft at 9943.20usft MD (9917.89 TVD, -409.34 N, -485.87 E)									
- Point									
W10B #1H PBHL	0.00	0.00	10,510.0	9,920.78	-548.89	397,677.68	664,335.61	32.092673	-103.936152
- actual wellpath misses target center by 5.95usft at 20569.91usft MD (10507.86 TVD, 9920.89 N, -543.35 E)									
- Point									

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
963.00	961.99	-32.66	1.05	First AEP Survey
20,545.00	10,507.66	9,895.99	-542.92	Last AEP Survey
20,584.00	10,507.97	9,934.99	-543.59	PTB @ 20584'

Checked By: _____	Approved By: _____	Date: _____
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ALTITUDE ENERGY PARTNERS LLC. SURVEY DATA CERTIFICATION

ALTITUDE JOB NUMBER	AEP-20097	OPERATOR	MEWBOURNE OIL COMPANY
WELL NAME	Buffalo Trace 1-36 W10B Fed Com #1H	COUNTY & STATE	EDDY / NEW MEXICO
API WELL NUMBER	30-015-46774	PROPOSED DIRECTION	356.83
Latitude	32.065396	Longitude	-103.934498

TIE-IN DATA						
MEASURED	VERTICAL			N-S	E-W	DATA
DEPTH	DEPTH	INCLIN	AZIMUTH	COORD	COORD	SOURCE
821	820.49	3.52	176.15	-21.06	2.63	Gyro
FIRST	FIRST				SURVEY INSTRUMENT	
SURVEY	SURVEY				TYPE	
DATE	DEPTH	INCLIN	AZIMUTH		MWD	
4/13/2020	963	6.05	194.49	MAGNETIC DECLINATION OR TOTAL GRID		
LAST	LAST			TOTAL CORRECTION USED		6.47
SURVEY	SURVEY			DECLINATION OR GRID		Grid
DATE	DEPTH	INCLIN	AZIMUTH			
5/5/2020	20545	89.55	359.01			
PROJECTED	PROJECTED					
TD SURVEY	TD SURVEY					
DATE	DEPTH	INCLIN	AZIMUTH			
5/5/2020	20584	89.55	359.01			
The data and calculations for this survey have been checked by me and conform to the calibration standards and operational procedures set forth by Altitude Energy Partners LLC. I am authorized and qualified to review the data, calculations and this report, and that the report represents a true and correct Directional Survey of this well based on the original data corrected to True North and obtained at the well site. Wellbore coordinates are calculated using Minimum curvature or other method.						

Rorary Cummings

PRINT MWD NAME ABOVE

Rorary Cummings

SIGN MWD NAME ABOVE

5/5/2020

TODAY'S DATE

Rorary Cummings

PRINT MWD NAME ABOVE

Rorary Cummings

SIGN MWD NAME ABOVE

5/5/2020

TODAY'S DATE

7197 Derrick Dr.

Casper, WY 82604

307-237-2372

Intent ☒ As Drilled ☐

API # 30-015-46774		
Operator Name: Mewbourne Oil Co.	Property Name: Buffalo Trace 1/36 W1OB Fed Com	Well Number 1H

Kick Off Point (KOP)

UL O	Section 1	Township 26S	Range 29E	Lot	Feet 2	From N/S S	Feet 2117	From E/W E	County Eddy
Latitude 32.0642755					Longitude -103.9360692			NAD 83	

First Take Point (FTP)

UL O	Section 1	Township 26S	Range 29E	Lot	Feet 402	From N/S S	Feet 2141	From E/W E	County Eddy
Latitude 32.0653758					Longitude -103.9361480			NAD 83	

Last Take Point (LTP)

UL B	Section 36	Township 25S	Range 29E	Lot	Feet 386	From N/S N	Feet 2119	From E/W E	County Eddy
Latitude 32.0925194					Longitude -103.9361314			NAD 83	

Is this well the defining well for the Horizontal Spacing Unit? ☐ NIs 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 1H State NM	US Well Number 3001546774 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 10400041157

Section 1 - General

Well Completion Report Id: 33297

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: 04-12-2020

Date Total Measured Depth Reached: 05-05-2020

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	SALT		3017	854	854	NONE	

Operator Name MEWBOURNE OIL COMPANY SHL SWSE Sec 1 26S 29E	Well Name BUFFALO TRACE 1/36 W10B FEDCOM County EDDY	Well Number 1H State NM	US Well Number 3001546774 Lease Number(s) NMNM023765, NMNM23765, NMNM23765 Agreement Number(s) ID 10400041157
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Section 3 - Geologic Formations

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral Resources
TOP SALT	SALT		2043	974	974	NONE	
LAMAR	LIMESTONE		-273	3290	3290	NATURAL GAS, OIL	
BELL CANYON	SANDSTONE		-297	3314	3314	NATURAL GAS, OIL	
CHERRY CANYON	SANDSTONE		-1147	4164	4164	NATURAL GAS, OIL	
BRUSHY CANYON	SANDSTONE		-2419	5436	5436	NATURAL GAS, OIL	
BONE SPRING 1ST	SANDSTONE		-4957	7974	7974	NATURAL GAS, OIL	
BONE SPRING 2ND	SANDSTONE		-5589	8606	8606	NATURAL GAS, OIL	
BONE SPRING 3RD	SANDSTONE		-6975	9992	9992	NATURAL GAS, OIL	
WOLFCAMP	LIMESTONE, SANDSTONE, SHALE		-7249	10266	10266	NATURAL GAS, OIL	

Completion and Completed Intervals

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	12-18-2020	01-12-2021	WOLFCA MP	10631	20514	Y	.5	2880	OPEN

Operator Name MEWBOURNE OIL COMPANY SHL SWSE Sec 1 26S 29E	Well Name BUFFALO TRACE 1/36 W10B FEDCOM County EDDY	Well Number 1H State NM	US Well Number 3001546774 Lease Number(s) NMNM023765, NMNM23765, NMNM23765 Agreement Number(s) ID 10400041157
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	

Treatment Data

Wellbore Code	Completion Code	Interval Number	Interval Treated?	Treatment Type	Total Fluid (bbls)	Total Proppant (lbs)	Treatment Remarks
00	X1	1	Y	FRAC	596350		Frac horizontal Wolfcamp from 10631-20514 w/25,046,700 gals Slickwater, carrying 25,039,868 # 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	

Test Data

Wellbore Code	Completion Code	Interval Number	Test Date	Hours Tested	24-Hour Rate Oil (bbls)	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	01/15/2021	24	672	1858	3226	2764	34/64	2140		1720

Operator Name MEWBOURNE OIL COMPANY SHL SWSE Sec 1 26S 29E	Well Name BUFFALO TRACE 1/36 W10B FEDCOM County EDDY	Well Number 1H State NM	US Well Number 3001546774 Lease Number(s) NMNM023765, NMNM23765, NMNM23765 Agreement Number(s)
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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	Alliquot/Lo/Tract
SHL	NEW MEXICO	NEW MEXICO PRINCIPAL	EDDY	32.0653958	-103.9344974	3017	FEDERAL	NMNM023765				400	FSL	1630	FEL	26S	29E	1	SWSE
KOP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	EDDY	32.0642755	-103.9360692	-6891	FEDERAL	NMNM023765				2	FSL	2117	FEL	26S	29E	1	SWSE
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	EDDY	32.0789784	-103.9361221	-7479	STATE	STATE				0	FSL	2130	FEL	25S	29E	36	SWSE
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	EDDY	32.0653758	-103.936148	-7414	FEDERAL	NMNM023765				402	FSL	2141	FEL	26S	29E	1	SWSE
EXIT Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	EDDY	32.0925194	-103.9361314	-7491	STATE	STATE				386	FNL	2119	FEL	25S	29E	36	NWNE
BHL Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	EDDY	32.0927118	-103.9361341	-7491	STATE	STATE				317	FNL	2120	FEL	25S	29E	36	NWNE

Operator Name MEWBOURNE OIL COMPANY SHL SWSE Sec 1 26S 29E	Well Name BUFFALO TRACE 1/36 W10B FEDCOM County EDDY	Well Number 1H State NM	US Well Number 3001546774 Lease Number(s) NMNM023765, NMNM23765, NMNM23765 Agreement Number(s)
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Allottee/Tribe Name	Well Pad Name BUFFALO TRACE 1/36 OB FED COM	Well Pad Number 2	ID 10400041157

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	881	13.375	54.5	J-55		ST&C		
00	INTERMEDIATE	12.25	0	3357	9.625	40	HCL-80		LT&C		
00	PRODUCTION	8.75	0	10700	7.0	39	HCP-110		LT&C		
00	LINER	6.125	9600	20570	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 (bbbls)
00	SURFACE		Class C	475	2.12	0	Class C	200	1.33	498	226.7
00	INTERMEDIATE		Class C	550	2.56	0	Class C	200	1.32	2514	297.8
00	PRODUCTION		Class C	150	4.03	2665	Class H	400	1.18	6655	191.7
00	LINER		Class C	950	1.6	9600				925	270.7

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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		9525	9515	9	L-80		OTHER	IPC

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 Name MEWBOURNE OIL COMPANY SHL SWSE Sec 1 26S 29E	Well Name BUFFALO TRACE 1/36 W10B FEDCOM County EDDY	Well Number 1H State NM	US Well Number 3001546774 Lease Number(s) NMNM023765, NMNM23765, NMNM23765 Agreement Number(s)
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Allottee/Tribe Name	Well Pad Name BUFFALO TRACE 1/36 OB FED COM		

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

Attachments

Buffalo_Trace_1_36_W10B_Fed_Com__20210202140742

Buffalo_Trace_1_36_W10B_Fed_Com__20210202140755

Buffalo_Trace_1_36_W10B_Fed_Com__20210202140831

AEP_MWD_Certification_Buffalo_Trace_1_36_W10B_Fed_Com__20210202140838

Buffalo_Trace_W10B_1H_Mudlog_20210202140910.pdf

Operator Name MEWBOURNE OIL COMPANY SHL SWSE Sec 1 26S 29E	Well Name BUFFALO TRACE 1/36 W1OB FEDCOM County EDDY	Well Number 1H State NM	US Well Number 3001546774 Lease Number(s) NMNM023765, NMNM23765, NMNM23765 Agreement Number(s)
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Buffalo_Trace_1_36_W1OB_Fed_Com_1H_WB_Diagram_20210208160324.xlsx

Mewbourne Oil Company

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

Updated by: Andy Taylor

Spud Date: 4/12/2020

Date Updated: 2/8/2021

Surface

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

Set @ 881'

Cmt w/ 675 sx

Circ. 341 sx to pit

Intermediate

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

Set @ 3357'

Cmt w/ 750 sx

Circ. 66 sx to pit

Production

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

Set @ 9802'

Cmt w/ 550 sx

TOC @ 2665' (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	31.72'
1	3 1/2" L80 IPC GLV #1	4.10'
20	3 1/2" 9.3# L80 IPC tbg	653.55'
1	3 1/2" L80 IPC GLV #2	4.10'
20	3 1/2" 9.3# L80 IPC tbg	653.39'
1	3 1/2" L80 IPC GLV #3	4.10'
20	3 1/2" 9.3# L80 IPC tbg	647.29'
1	3 1/2" L80 IPC GLV #4	4.10'
20	3 1/2" 9.3# L80 IPC tbg	651.26'
1	3 1/2" L80 IPC GLV #5	4.10'
20	3 1/2" 9.3# L80 IPC tbg	641.72'
1	3 1/2" L80 IPC GLV #6	4.10'
20	3 1/2" 9.3# L80 IPC tbg	637.46'
1	3 1/2" L80 IPC GLV #7	4.10'
21	3 1/2" 9.3# L80 IPC tbg	678.40'
1	3 1/2" L80 IPC GLV #8	4.10'
23	3 1/2" 9.3# L80 IPC tbg	750.84'
1	3 1/2" L80 IPC GLV #9	4.10'
23	3 1/2" 9.3# L80 IPC tbg	751.06'
1	3 1/2" L80 IPC GLV #10	4.10'
25	3 1/2" 9.3# L80 IPC tbg	816.89'
1	3 1/2" L80 IPC GLV #11	4.10'
26	3 1/2" 9.3# L80 IPC tbg	849.65'
1	3 1/2" L80 IPC GLV #12	4.10'
51	3 1/2" 9.3# L80 IPC tbg	1670.11'
2	3 1/2" 9.3# L80 IPC	16.00'
Total tbg		9508.89'
KB Correction		16.00'
Tbg set @		9524.89'

Liner

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

Set @ 9600' - 20,570'

KOP @ 9933'

Dev @ KOP: 2.04°

TVD @ 10,509'

TD 6 1/8" hole @ 20,584'

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 21515

ACKNOWLEDGMENTS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 21515
	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
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
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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

CONDITIONS

Action 21515

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 21515
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

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