

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

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

Form C-104
Revised August 1, 2011

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 88240		² OGRID Number 14744
		³ Reason for Filing Code/ Effective Date New Well / 10/30/2020
⁴ API Number 30 - 015-46338	⁵ Pool Name Purple Sage; Wolfcamp (Gas)	⁶ Pool Code 98220
⁷ Property Code 326169	⁸ Property Name Styx 17 W0PA Fee	⁹ Well Number 2H

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
A	20	23S	28E		294	North	346	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
A	17	23S	28E		306	North	1323	East	Eddy
¹² Lse Code P	¹³ Producing Method Code Gas Lift	¹⁴ Gas Connection Date 10/30/2020	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 Suite 400 Midland, TX 79705	O
327139	Sendero Midstream 1000 Louisiana Street Suite 6900 Houston, TX 77002	G

IV. Well Completion Data

²¹ Spud Date 12/23/2019	²² Ready Date 10/30/2020	²³ TD 14445'	²⁴ PBDT 14427'	²⁵ Perforations 9796' - 14396'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 ½"	13 ¾"	460'	425		
12 ¼"	9 ⅝"	2415'	600		
8 ¾"	7"	9744'	725		
6 ⅞"	4 ½" Liner 2 ⅞"	8975' - 14445' 8924'	525		

V. Well Test Data41

³¹ Date New Oil 10/30/2020	³² Gas Delivery Date 10/30/2020	³³ Test Date 11/2/20	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure 1500	³⁶ Csg. Pressure NA
³⁷ Choke Size 25/64	³⁸ Oil 187	³⁹ Water 3155	⁴⁰ Gas 467		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: NMOC, SANTA FE		
E-mail Address: jlathan@mewbourne.com			Approval Date: 07/28/2021		
Date: 11/11/2020		Phone: 575-393-5905			

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

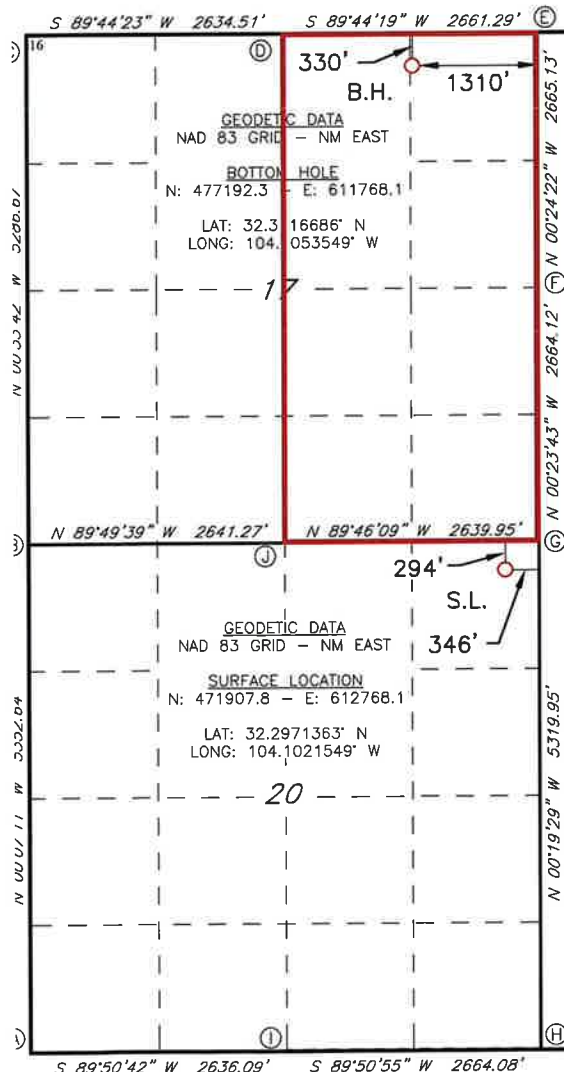
Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☒ AMENDED REPORT
AS DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-015-46338		2 Pool Code 98220		3 Pool Name Purple Sage; Wolfcamp (Gas)					
4 Property Code 326169		5 Property Name STYX 17 WOPA FEE						6 Well Number 2H	
7 GRID NO. 14744		8 Operator Name MEWBOURNE OIL COMPANY						9 Elevation 3037'	
10 Surface Location									
UL or lot no. A	Section 20	Township 23S	Range 28E	Lot Idn	Feet from the 294	North/South line NORTH	Feet From the 346	East/West line EAST	County EDDY
11 Bottom Hole Location If Different From Surface									
UL or lot no. A	Section 17	Township 23S	Range 28E	Lot Idn	Feet from the 316	North/South line NORTH	Feet from the 1323	East/West line EAST	County EDDY
12 Dedicated Acres 320		13 Joint or Infill		14 Consolidation Code		15 Order No.			

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



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: 11/10/2020
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.

8-14-2019

Date of Survey

Signature and Seal of Professional Surveyor

19680

Certificate Number

Job No: LS19080825



Mewbourne Oil Company

Patterson 564

Styx 17 WOPA Fee #2H (AEP19248)

2019-10-31 to 2020-01-09

Eddy, New Mexico, US (32.30, -104.10)

Job Type
Directional

WELL DETAILS: WOPA Fee #2H

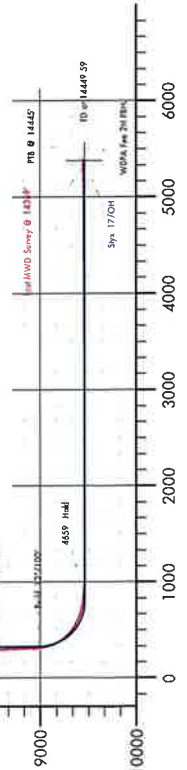
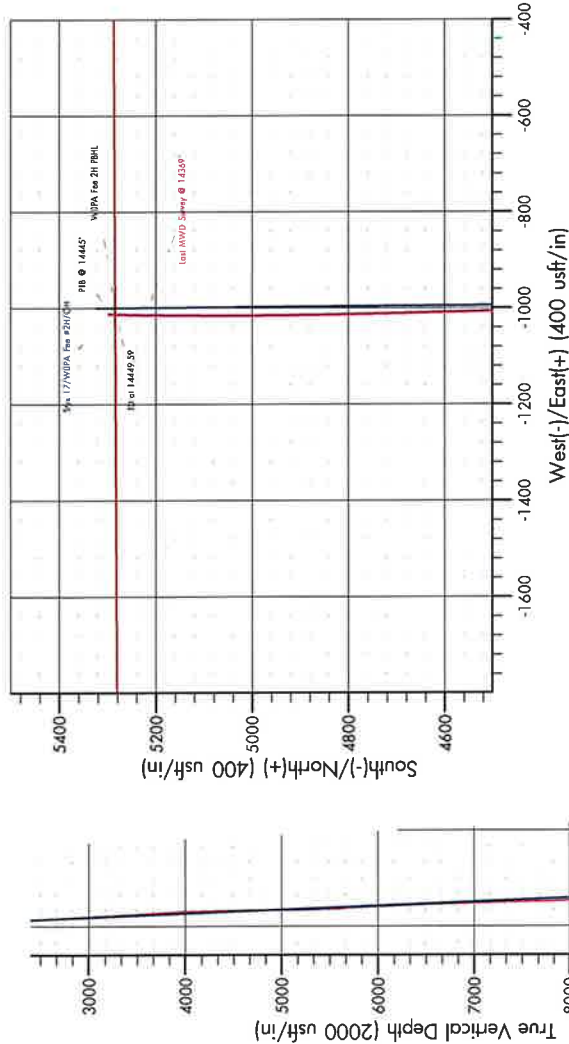
+N/-S	+E/-W	Northing	Eastings	Longitude
0.00	0.00	471907.79	612768.10	-104.102155

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Eastings	Shape
WOPA Fee 2H PBHL	9460.00	5284.51	-1000.00	477192.30	611768.10	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	
450.00	0.00	0.00	450.00	0.00	0.00	0.00	0.00	0.00	Build 1.50°/100'
909.53	6.89	278.71	908.43	4.18	-27.29	1.50	278.71	9.18	7671' Hold
8580.67	6.89	278.71	8524.11	143.60	-937.33	0.00	0.00	315.38	Drop 1.50°/100'
9040.20	0.00	0.00	8982.54	147.78	-964.62	1.50	180.00	324.56	Build 12°/100'
9790.20	90.00	359.61	9460.00	625.23	-967.91	12.00	359.61	794.30	4659' Hold
14449.59	90.00	359.61	9460.00	5284.51	-1000.00	0.00	0.00	5378.29	TD at 14449.59



330' N/S Hardlines
330' FEL Hard Line
2310' FEL Hard Line

Plant: Plan #2 (WOPA Fee #2H/OH)

Azimuths to Grid North
True North: -0.12°
Magnetic North: 6.99°
Magnetic Field
Strength: 47858.2uT
Dip Angle: 60.00°
Date: 10/22/2019
Model: HDGM

Formation Tops

No formation data is available

WOPA Fee #2H SHL:
294' FNL & 346' FEL

WOPA Fee #2H
PBHL;
330' FNL & 1310 FEL

KOP: 150'
FNL &
1310' FEL



MEWBOURNE
OIL COMPANY

Mewbourne Oil Company

Eddy Co., NM (NAD 83)

Styx 17

W0PA Fee #2H

OH

Design: OH

Standard Survey Report

06 January, 2020





Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well W0PA Fee #2H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	RKB=28' @ 3065.00usft (PAT. 564)
Site:	Styx 17	MD Reference:	RKB=28' @ 3065.00usft (PAT. 564)
Well:	W0PA Fee #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	Styx 17		
Site Position:		Northing:	471,885.90 usft
From:	Map	Easting:	612,747.50 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32.297076
		Longitude:	-104.102222
		Grid Convergence:	0.12 °

Well	W0PA Fee #2H		
Well Position	+N/-S	0.00 usft	Northing: 471,907.79 usft
	+E/-W	0.00 usft	Easting: 612,768.10 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft
		Latitude:	32.297136
		Longitude:	-104.102155
		Ground Level:	3,037.00 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination (°)
	HDGM	10/22/19	7.12
			Dip Angle (°) 60.00
			Field Strength (nT) 47,858.20000000

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 (°) 349.28

Survey Program	Date	01/06/20		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
495.00	14,445.00	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
495.00	1.07	276.96	494.97	0.56	-4.59	1.40	0.22	0.22	0.00
First MWD Survey									
675.00	5.49	281.99	674.63	2.55	-14.68	5.24	2.46	2.46	2.79
867.00	6.19	282.83	865.63	6.76	-33.76	12.92	0.37	0.36	0.44
1,057.00	6.35	279.53	1,054.50	10.77	-54.11	20.65	0.21	0.08	-1.74
1,247.00	7.40	278.01	1,243.13	14.22	-76.59	28.22	0.56	0.55	-0.80
1,437.00	7.68	276.76	1,431.49	17.42	-101.31	35.96	0.17	0.15	-0.66
1,627.00	7.55	279.86	1,619.81	21.05	-126.22	44.16	0.23	-0.07	1.63
1,817.00	7.04	277.91	1,808.27	24.79	-150.05	52.27	0.30	-0.27	-1.03
2,003.00	6.44	275.85	1,992.99	27.42	-171.72	58.88	0.35	-0.32	-1.11



Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well W0PA Fee #2H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	RKB=28' @ 3065.00usft (PAT. 564)
Site:	Styx 17	MD Reference:	RKB=28' @ 3065.00usft (PAT. 564)
Well:	W0PA Fee #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)
2,190.00	5.68	274.99	2,178.94	29.30	-191.37	64.38	0.41	-0.41	-0.46
2,376.00	5.63	275.99	2,364.04	31.05	-209.61	69.50	0.06	-0.03	0.54
2,567.00	6.93	276.32	2,553.89	33.29	-230.38	75.57	0.68	0.68	0.17
2,753.00	9.18	279.68	2,738.04	37.03	-256.17	84.03	1.24	1.21	1.81
2,939.00	8.95	280.88	2,921.72	42.25	-285.00	94.53	0.16	-0.12	0.65
3,127.00	8.49	281.49	3,107.54	47.78	-312.96	105.16	0.25	-0.24	0.32
3,312.00	7.39	281.34	3,290.77	52.84	-338.01	114.79	0.59	-0.59	-0.08
3,499.00	7.25	283.19	3,476.24	57.89	-361.29	124.09	0.15	-0.07	0.99
3,685.00	7.78	282.59	3,660.65	63.32	-385.00	133.82	0.29	0.28	-0.32
3,871.00	8.26	280.71	3,844.83	68.54	-410.42	143.69	0.29	0.26	-1.01
4,057.00	5.31	276.34	4,029.50	71.98	-432.10	151.10	1.61	-1.59	-2.35
4,244.00	5.70	272.61	4,215.64	73.35	-449.98	155.78	0.28	0.21	-1.99
4,430.00	6.21	272.30	4,400.64	74.18	-469.26	160.17	0.27	0.27	-0.17
4,617.00	5.82	272.72	4,586.61	75.03	-488.84	164.65	0.21	-0.21	0.22
4,804.00	5.39	269.37	4,772.71	75.39	-507.09	168.40	0.29	-0.23	-1.79
4,992.00	6.22	263.89	4,959.75	74.21	-526.05	170.76	0.53	0.44	-2.91
5,176.00	5.85	262.94	5,142.73	71.99	-545.26	172.16	0.21	-0.20	-0.52
5,364.00	8.89	262.98	5,329.15	69.04	-569.20	173.71	1.62	1.62	0.02
5,548.00	9.52	274.56	5,510.80	68.51	-598.48	178.64	1.06	0.34	6.29
5,733.00	8.83	282.71	5,693.44	72.85	-627.58	188.32	0.79	-0.37	4.41
5,920.00	8.27	281.56	5,878.36	78.71	-654.76	199.12	0.31	-0.30	-0.61
6,107.00	6.82	278.38	6,063.74	83.02	-678.92	207.86	0.81	-0.78	-1.70
6,293.00	6.04	285.80	6,248.57	87.29	-699.26	215.84	0.61	-0.42	3.99
6,482.00	3.93	290.49	6,436.84	92.27	-714.90	223.64	1.14	-1.12	2.48
6,670.00	4.19	276.16	6,624.38	95.26	-727.76	228.97	0.56	0.14	-7.62
6,856.00	6.76	273.02	6,809.51	96.57	-745.45	233.54	1.39	1.38	-1.69
7,042.00	7.07	274.11	6,994.16	97.96	-767.80	239.07	0.18	0.17	0.59
7,228.00	6.78	274.16	7,178.80	99.58	-790.17	244.82	0.16	-0.16	0.03
7,414.00	6.60	270.89	7,363.54	100.54	-811.81	249.79	0.23	-0.10	-1.76
7,599.00	7.29	268.51	7,547.18	100.40	-834.17	253.81	0.40	0.37	-1.29
7,785.00	6.94	270.49	7,731.75	100.19	-857.21	257.89	0.23	-0.19	1.06
7,972.00	6.95	273.91	7,917.38	101.06	-879.79	262.95	0.22	0.01	1.83
8,159.00	5.87	280.84	8,103.21	103.63	-900.47	269.32	0.71	-0.58	3.71
8,347.00	4.31	290.57	8,290.46	107.92	-916.53	276.52	0.95	-0.83	5.18
8,533.00	4.05	322.49	8,475.99	115.59	-927.07	286.02	1.24	-0.14	17.16
8,719.00	2.58	313.42	8,661.68	123.68	-934.11	295.27	0.84	-0.79	-4.88
8,905.00	2.27	314.57	8,847.51	129.14	-939.78	301.69	0.17	-0.17	0.62
8,967.00	1.84	313.03	8,909.47	130.68	-941.38	303.50	0.70	-0.69	-2.48
9,019.00	2.55	324.63	8,961.43	132.19	-942.66	305.23	1.60	1.37	22.31
9,065.00	6.82	358.98	9,007.28	135.76	-943.30	308.85	10.71	9.28	74.67
9,113.00	13.50	1.05	9,054.50	144.22	-943.25	317.16	13.94	13.92	4.31
9,159.00	20.47	4.76	9,098.46	157.62	-942.48	330.18	15.33	15.15	8.07
9,206.00	26.11	5.79	9,141.62	176.12	-940.76	348.03	12.03	12.00	2.19



Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well W0PA Fee #2H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	RKB=28' @ 3065.00usft (PAT. 564)
Site:	Styx 17	MD Reference:	RKB=28' @ 3065.00usft (PAT. 564)
Well:	W0PA Fee #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)	
9,252.00	30.90	5.01	9,182.03	197.97	-938.70	369.12	10.44	10.41	-1.70	
9,298.00	36.15	0.41	9,220.37	223.32	-937.57	393.82	12.67	11.41	-10.00	
9,344.00	41.72	357.42	9,256.14	252.21	-938.17	422.31	12.78	12.11	-6.50	
9,392.00	47.22	356.10	9,290.38	285.76	-940.08	455.64	11.62	11.46	-2.75	
9,438.00	52.42	355.89	9,320.05	320.81	-942.54	490.53	11.31	11.30	-0.46	
9,485.00	56.66	357.97	9,347.31	359.02	-944.57	528.46	9.71	9.02	4.43	
9,531.00	61.38	359.63	9,370.98	398.44	-945.38	567.34	10.72	10.26	3.61	
9,578.00	65.57	0.24	9,391.97	440.48	-945.43	608.66	8.99	8.91	1.30	
9,624.00	70.44	358.49	9,409.19	483.12	-945.91	650.64	11.16	10.59	-3.80	
9,671.00	75.41	359.31	9,422.99	528.02	-946.77	694.92	10.71	10.57	1.74	
9,719.00	79.99	0.06	9,433.21	574.91	-947.02	741.03	9.66	9.54	1.56	
9,794.00	84.41	0.20	9,443.39	649.20	-946.85	813.99	5.90	5.89	0.19	
9,841.00	84.78	0.19	9,447.82	695.99	-946.69	859.93	0.79	0.79	-0.02	
9,887.00	85.87	0.79	9,451.57	741.83	-946.30	904.91	2.70	2.37	1.30	
9,934.00	87.14	0.96	9,454.43	788.74	-945.59	950.86	2.73	2.70	0.36	
10,028.00	88.91	0.60	9,457.67	882.67	-944.31	1,042.91	1.92	1.88	-0.38	
10,120.00	88.68	357.18	9,459.61	974.62	-946.09	1,133.59	3.72	-0.25	-3.72	
10,214.00	89.08	357.97	9,461.44	1,068.51	-950.07	1,226.59	0.94	0.43	0.84	
10,307.00	90.34	357.91	9,461.91	1,161.45	-953.41	1,318.52	1.36	1.35	-0.06	
10,400.00	90.22	357.73	9,461.46	1,254.38	-956.95	1,410.49	0.23	-0.13	-0.19	
10,492.00	90.39	358.02	9,460.97	1,346.32	-960.36	1,501.46	0.37	0.18	0.32	
10,586.00	90.28	358.17	9,460.42	1,440.26	-963.48	1,594.35	0.20	-0.12	0.16	
10,679.00	90.22	358.24	9,460.01	1,533.22	-966.40	1,686.22	0.10	-0.06	0.08	
10,772.00	90.20	357.75	9,459.67	1,626.16	-969.65	1,778.14	0.53	-0.02	-0.53	
10,864.00	90.28	357.81	9,459.29	1,718.09	-973.21	1,869.13	0.11	0.09	0.07	
10,957.00	90.11	357.51	9,458.97	1,811.01	-977.01	1,961.14	0.37	-0.18	-0.32	
11,050.00	89.24	357.90	9,459.50	1,903.94	-980.73	2,053.13	1.03	-0.94	0.42	
11,143.00	88.96	357.64	9,460.96	1,996.85	-984.35	2,145.10	0.41	-0.30	-0.28	
11,235.00	90.06	359.12	9,461.75	2,088.81	-986.95	2,235.94	2.00	1.20	1.61	
11,329.00	91.04	1.01	9,460.84	2,182.80	-986.85	2,328.27	2.26	1.04	2.01	
11,422.00	90.28	1.08	9,459.77	2,275.78	-985.15	2,419.31	0.82	-0.82	0.08	
11,515.00	90.08	1.46	9,459.48	2,368.75	-983.09	2,510.28	0.46	-0.22	0.41	
11,609.00	89.75	0.58	9,459.62	2,462.74	-981.42	2,602.31	1.00	-0.35	-0.94	
11,702.00	90.31	1.39	9,459.57	2,555.72	-979.82	2,693.37	1.06	0.60	0.87	
11,794.00	90.50	1.59	9,458.92	2,647.69	-977.42	2,783.29	0.30	0.21	0.22	
11,887.00	90.36	1.95	9,458.22	2,740.64	-974.55	2,874.09	0.42	-0.15	0.39	
11,981.00	90.25	1.76	9,457.72	2,834.59	-971.51	2,965.83	0.23	-0.12	-0.20	
12,074.00	90.42	1.24	9,457.18	2,927.56	-969.08	3,056.72	0.59	0.18	-0.56	
12,168.00	89.89	359.83	9,456.92	3,021.55	-968.20	3,148.91	1.60	-0.56	-1.50	
12,260.00	89.89	359.88	9,457.10	3,113.55	-968.43	3,239.35	0.05	0.00	0.05	
12,354.00	89.89	0.20	9,457.28	3,207.55	-968.36	3,331.70	0.34	0.00	0.34	
12,446.00	89.78	359.86	9,457.55	3,299.55	-968.32	3,422.08	0.39	-0.12	-0.37	
12,541.00	89.92	359.86	9,457.80	3,394.55	-968.55	3,515.47	0.15	0.15	0.00	



Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well W0PA Fee #2H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	RKB=28' @ 3065.00usft (PAT. 564)
Site:	Styx 17	MD Reference:	RKB=28' @ 3065.00usft (PAT. 564)
Well:	W0PA Fee #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)
12,634.00	89.75	357.30	9,458.06	3,487.51	-970.85	3,607.24	2.76	-0.18	-2.75
12,727.00	89.78	357.94	9,458.44	3,580.43	-974.71	3,699.25	0.69	0.03	0.69
12,820.00	90.11	358.06	9,458.53	3,673.37	-977.96	3,791.18	0.38	0.35	0.13
12,913.00	89.83	357.74	9,458.58	3,766.31	-981.37	3,883.12	0.46	-0.30	-0.34
13,006.00	89.94	358.61	9,458.77	3,859.26	-984.33	3,975.00	0.94	0.12	0.94
13,099.00	89.92	358.07	9,458.88	3,952.22	-987.02	4,066.84	0.58	-0.02	-0.58
13,192.00	89.86	357.58	9,459.06	4,045.16	-990.55	4,158.81	0.53	-0.06	-0.53
13,285.00	90.92	358.23	9,458.43	4,138.09	-993.95	4,250.76	1.34	1.14	0.70
13,378.00	89.92	357.64	9,457.75	4,231.02	-997.30	4,342.69	1.25	-1.08	-0.63
13,470.00	90.67	357.89	9,457.27	4,322.95	-1,000.89	4,433.68	0.86	0.82	0.27
13,562.00	90.39	357.94	9,456.42	4,414.89	-1,004.24	4,524.64	0.31	-0.30	0.05
13,656.00	92.32	358.71	9,454.20	4,508.82	-1,006.99	4,617.44	2.21	2.05	0.82
13,749.00	88.96	358.57	9,453.16	4,601.77	-1,009.19	4,709.18	3.62	-3.61	-0.15
13,842.00	89.94	358.36	9,454.05	4,694.73	-1,011.68	4,800.98	1.08	1.05	-0.23
13,935.00	91.23	359.16	9,453.10	4,787.70	-1,013.70	4,892.70	1.63	1.39	0.86
14,028.00	89.44	359.04	9,452.56	4,880.69	-1,015.16	4,984.34	1.93	-1.92	-0.13
14,120.00	90.39	0.01	9,452.70	4,972.68	-1,015.92	5,074.87	1.48	1.03	1.05
14,214.00	90.42	359.77	9,452.03	5,066.68	-1,016.10	5,167.26	0.26	0.03	-0.26
14,307.00	92.77	0.84	9,449.44	5,159.63	-1,015.61	5,258.50	2.78	2.53	1.15
14,369.00	91.15	1.20	9,447.32	5,221.58	-1,014.50	5,319.16	2.68	-2.61	0.58
Last MWD Survey @ 14369'									
14,431.95	91.15	1.20	9,446.06	5,284.50	-1,013.18	5,380.74	0.00	0.00	0.00
W0PA Fee 2H PBHL									
14,445.00	91.15	1.20	9,445.80	5,297.55	-1,012.91	5,393.51	0.00	0.00	0.00
PTB @ 14445'									

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
495.00	494.97	0.56	-4.59	First MWD Survey
14,369.00	9,447.32	5,221.58	-1,014.50	Last MWD Survey @ 14369'
14,445.00	9,445.80	5,297.55	-1,012.91	PTB @ 14445'

Checked By: _____ Approved By: _____ Date: _____



ALTITUDE ENERGY PARTNERS LLC. SURVEY DATA CERTIFICATION

ALTITUDE JOB NUMBER	AEP-19248	OPERATOR	Mewbourne Oil Company
WELL NAME	Styx 17 W0PA Fee #2H	COUNTY & STATE	Eddy Co, NM
API WELL NUMBER	30-015-46338	PROPOSED DIRECTION	349.28
Latitude	32.297136	Longitude	-104.102155

TIE-IN DATA						
MEASURED	VERTICAL			N-S	E-W	DATA
DEPTH	DEPTH	INCLIN	AZIMUTH	COORD	COORD	SOURCE
0	0	0	0	0	0	SURFACE
FIRST	FIRST				SURVEY INSTRUMENT	
SURVEY	SURVEY				TYPE	
DATE	DEPTH	INCLIN	AZIMUTH		MWD	
12/25/2019	495	1.07	276.96	MAGNETIC DECLINATION OR TOTAL GRID		
LAST	LAST			TOTAL CORRECTION USED		6.98
SURVEY	SURVEY			DECLINATION OR GRID		GRID
DATE	DEPTH	INCLIN	AZIMUTH			
1/5/2020	14369	91.15	1.20			
PROJECTED	PROJECTED					
TD SURVEY	TD SURVEY					
DATE	DEPTH	INCLIN	AZIMUTH			
1/5/2020	14445	91.15	1.20			

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

1/6/2020

TODAY'S DATE

Intent ☐ As Drilled ☒

API # 30-015-46338		
Operator Name: Mewbourne Oil Company	Property Name: Styx 17 W0PA Fee	Well Number 2H

Kick Off Point (KOP)

UL A	Section 20	Township 23S	Range 28E	Lot	Feet 163	From N/S N	Feet 1287	From E/W E	County Eddy
Latitude 32.2975053					Longitude -104.1052048			NAD 83	

First Take Point (FTP)

UL P	Section 17	Township 23S	Range 28E	Lot	Feet 355	From N/S S	Feet 1293	From E/W E	County Eddy
Latitude 32.2989320					Longitude -104.1052145			NAD 83	

Last Take Point (LTP)

UL A	Section 17	Township 23S	Range 28E	Lot	Feet 365	From N/S N	Feet 1323	From E/W E	County Eddy
Latitude 32.3115672					Longitude -104.1054604			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 # 30-015-43950		
Operator Name: Mewbourne Oil Co.	Property Name: Styx 17 W2PA Fee Com	Well Number 1H

KZ 06/29/2018

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

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

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

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-015-46338
1. Type of Well: Oil Well ☐ Gas Well ☒ Other		5. Indicate Type of Lease STATE ☐ FEE ☒
2. Name of Operator Mewbourne Oil Company		6. State Oil & Gas Lease No.
3. Address of Operator PO Box 5270, Hobbs NM 88241		7. Lease Name or Unit Agreement Name Styx 17 W0PA Fee
4. Well Location Unit Letter <u>A</u> : 294 feet from the <u>North</u> line and <u>346</u> feet from the <u>East</u> line Section <u>20</u> Township <u>23S</u> Range <u>28E</u> NMPM Eddy County		8. Well Number <u>2H</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3037' GL		9. OGRID Number <u>14744</u>
		10. Pool name or Wildcat Purple Sage; Wolfcamp (GAS) 98220

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

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

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

10/20/2020 Frac Horizontal Wolfcamp from 9796' MD to 14396' MD w/5,824,560 gals FW & 5,488,140 gals PW slickwater, carrying 11,384,420# Local 100 Mesh Sand.

Flowback well for cleanup.

10/24/2020 Drill out frac plugs to 14404'.

10/30/2020 RIH w/2 7/8" 6.5# L80 tubing & GLVs to 8924'. Put well on production.

Formation Top Bottom Descriptions, Contents, etc.

Name Top (MD) 9333' - 14445' WATER, OIL & GAS

Castile 870' Base of salt 2240' Delaware 2480' Bell Canyon 2495' Cherry Canyon 3340'
Manzanita 3530' Brushy Canyon 4545' Bone Spring 6140' Wolfcamp 9333'

Spud Date: 12/23/2019

Rig Release Date: 01/08/2020

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

SIGNATURE Jackie Lathan TITLE Regulatory DATE 11/10/2020

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

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

Released to Imaging: 7/28/2021 1:28:14 PM

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Bell Canyon 2495	T. Ojo Alamo	T. Penn A"
T. Salt	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt 2240	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers	T. Devonian	T. Cliff House	T. Leadville
T. Queen	T. Silurian	T. Menefee	T. Madison
T. Grayburg	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres	T. Simpson	T. Mancos	T. McCracken
T. Glorieta	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock	T. Ellenburger	Base Greenhorn	T. Granite
T. Blinebry	T. Brushy Canyon 4545	T. Dakota	
T. Tubb	T. Delaware 2480	T. Morrison	
T. Drinkard	T. Bone Springs 6140'	T. Todilto	
T. Abo	T. Capitan Reef	T. Entrada	
T. Wolfcamp 9333	T. Manzanita 3530'	T. Wingate	
T. Penn	T. Castile 870	T. Chinle	
T. Cisco (Bough C)	T. Cherry Canyon 3340	T. Permian	

No. 1, from.....to.....
No. 2, from.....to.....
No. 3, from.....to.....
No. 4, from.....to.....

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

LITHOLOGY RECORD				LITHOLOGY RECORD			
From	To	Thickness In Feet	Lithology	From	To	Thickness In Feet	Lithology

Mewbourne Oil Company

Well Name: Styx 17 W0PA Fee #2H

Updated by: Andy Taylor

Spud Date: 12/23/2019

Date Updated: 5/27/2021

Surface

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

Set @ 460'

Cmt w/ 425 sx

Circ. 8 sx to pit

Intermediate

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

Set @ 2415'

Cmt w/ 600 sx

Circ. 197 sx to pit

Production

8 3/4" x 7" 29# HCP110

Set @ 9744'

Cmt w/ 725 sx

TOC @ 750' (est)

TBG Detail:

1	2 7/8" 6.5# L80 pup jt	4.02'
1	2 7/8" x 7" AS 1X Pkr	9.25'
1	2 7/8" 6.5# L80 IPC tbg	32.60'
1	2 7/8" L80 IPC GLV #1	4.10'
1	2 7/8" SN & Collar	1.10'
19	2 7/8" 6.5# L80 IPC tbg	619.78'
1	2 7/8" L80 IPC GLV #2	4.10'
20	2 7/8" 6.5# L80 IPC tbg	651.51'
1	2 7/8" L80 IPC GLV #3	4.10'
20	2 7/8" 6.5# L80 IPC tbg	651.65'
1	2 7/8" L80 IPC GLV #4	4.10'
20	2 7/8" 6.5# L80 IPC tbg	651.69'
1	2 7/8" L80 IPC GLV #5	4.10'
20	2 7/8" 6.5# L80 IPC tbg	651.69'
1	2 7/8" L80 IPC GLV #6	4.10'
20	2 7/8" 6.5# L80 IPC tbg	652.16'
1	2 7/8" L80 IPC GLV #7	4.10'
20	2 7/8" 6.5# L80 IPC tbg	651.68'
1	2 7/8" L80 IPC GLV #8	4.10'
21	2 7/8" 6.5# L80 IPC tbg	688.50'
1	2 7/8" L80 IPC GLV #9	4.10'
40	2 7/8" 6.5# L80 IPC tbg	1310.42'
1	2 7/8" L80 IPC GLV #10	4.10'
68	2 7/8" 6.5# L80 IPC tbg	2227.79'
2	2 7/8" 6.5# L80 IPC sub	18.00'
1	2 7/8" 6.5# L80 IPC tbg	32.77'
Total tbg		8895.61'
KB Correction		28.00'
Tbg set @		8923.61'

Liner

6 1/8" x 4 1/2" 13.5# HCP110

Set @ 8975'-14,445'

Cmt w/ 525 sx

TOC @ 8975'

KOP @ 8967'

Dev @ KOP: 1.84°

TVD @ 9462'

TD 6 1/8" hole @ 14,445'

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 29797

ACKNOWLEDGMENTS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 29797
	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
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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

CONDITIONS

Action 29797

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 29797
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	None	7/28/2021