

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 NW / 01/07/2021
⁴ API Number 30 – 015-46246	⁵ Pool Name Purple Sage; Wolfcamp	⁶ Pool Code 98220
⁷ Property Code 329312	⁸ Property Name Thor 28 W0NC Fee	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
M	28	23S	28E		612	South	1252	West	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
D	28	23S	28E		316	North	1967	West	Eddy
¹² Lse Code P	¹³ Producing Method Code Gas Lift	¹⁴ Gas Connection Date 01/07/2021	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

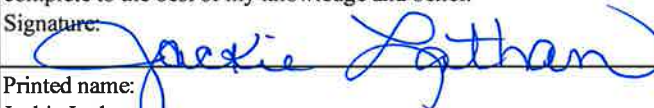
¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
	Oryx 4000 N. Big Spring Suite 400 Midland, TX 79705	O
327139	Sendero Midstream 1000 Louisiana Street Suite 6900 Houston, TX 77002	G

IV. Well Completion Data

²¹ Spud Date 09/30/2020	²² Ready Date 01/07/2021	²³ TD 14344'	²⁴ PBTB 14290'	²⁵ Perforations 9726' - 14282'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 ½"	13 ¾" 54.5# J55	372'	300		
12 ¼"	9 ⅝" 40# HCL80	2526'	600		
8 ¾"	7" 29# HCP110	9136'	800		
6 ⅞"	4 ½" 13.5# HCP110	8857' – 14341'	450		
	2 ⅞" 6.5# L80	8834'			

V. Well Test Data

³¹ Date New Oil 01/07/2021	³² Gas Delivery Date 01/07/2021	³³ Test Date 1/27/21	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure 665	³⁶ Csg. Pressure 390
³⁷ Choke Size 40/64"	³⁸ Oil 750	³⁹ Water 3257	⁴⁰ Gas 1345		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 Title: NMOCD, SANTA FE Approval Date: 02/26/2021
Printed name: Jackie Lathan Title: Regulatory E-mail Address: jlathan@mewbourne.com Date: 02/01/2021	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 30-015-46246	² Pool Code 98220	³ Pool Name Purple Sage; Wolfcamp (Gas)
⁴ Property Code 329312	⁵ Property Name THOR 28 WONC FEE	⁶ Well Number 1H
⁷ OGRID NO. 14744	⁸ Operator Name MEWBOURNE OIL COMPANY	⁹ Elevation 3083'

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
M	28	23S	28E		612	SOUTH	1252	WEST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	28	23S	28E		316	NORTH	1967	WEST	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.

Diagram showing well location (B.H.) and surface location (S.L.) with bearings and distances. The well is located 330' from the surface. The surface is located 612' from the well. The bottom hole is located 1967' from the surface. The well is located 1252' from the surface. The well is located 612' from the surface.	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: <u>Jackie Lathan</u> Date: <u>01/12/2021</u> Printed Name: <u>Jackie Lathan</u> E-mail Address: <u>jlathan@mewbourne.com</u>
	18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. 07-02-20 Date of Survey Signature and Seal of Professional Surveyor: <u>[Signature]</u> Certificate Number: <u>19680</u>
	GEODETIC DATA NAD 83 GRID - NM EAST SURFACE LOCATION N: 462206.6 - E: 614419.4 LAT: 32.2704594° N LONG: 104.0968797° W BOTTOM HOLE LOCATION N: 466564.4 - E: 615124.1 LAT: 32.2824339° N LONG: 104.0945685° W CORNER DATA NAD 83 GRID - NM EAST A: FOUND COTTON SPINDLE N: 461584.9 - E: 613170.7 B: FOUND 1/2" REBAR N: 464230.5 - E: 613156.6 C: FOUND 1/2" REBAR N: 466881.6 - E: 613142.8 D: FOUND COTTON SPINDLE N: 466898.7 - E: 615806.4 E: FOUND COTTON SPINDLE N: 466918.0 - E: 618471.2 F: FOUND 1/2" REBAR N: 461626.4 - E: 618520.2

S 89°33'20" W 5350.91'

Job No.: LS20070310



Project: Eddy County, NM (NAD83)

Site: Sec 28-T23S-R28E

Well: Thor 28 W0NC Fee #1H

Wellbore: Wellbore #1 (Plan #2)

Design: Wellbore #1

Map System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone Name: New Mexico Eastern Zone



Azimuths to Grid North
 True North: -0.13°
 Magnetic North: 8.91°
 Magnetic Field
 Strength: 477.115 nT
 Dip Angle: 80.00°
 Date: 8/29/2020
 Model: IGRF2000

WELL DETAILS

3083 GL + 28 KB @ 3111.0ft (Pat 595)

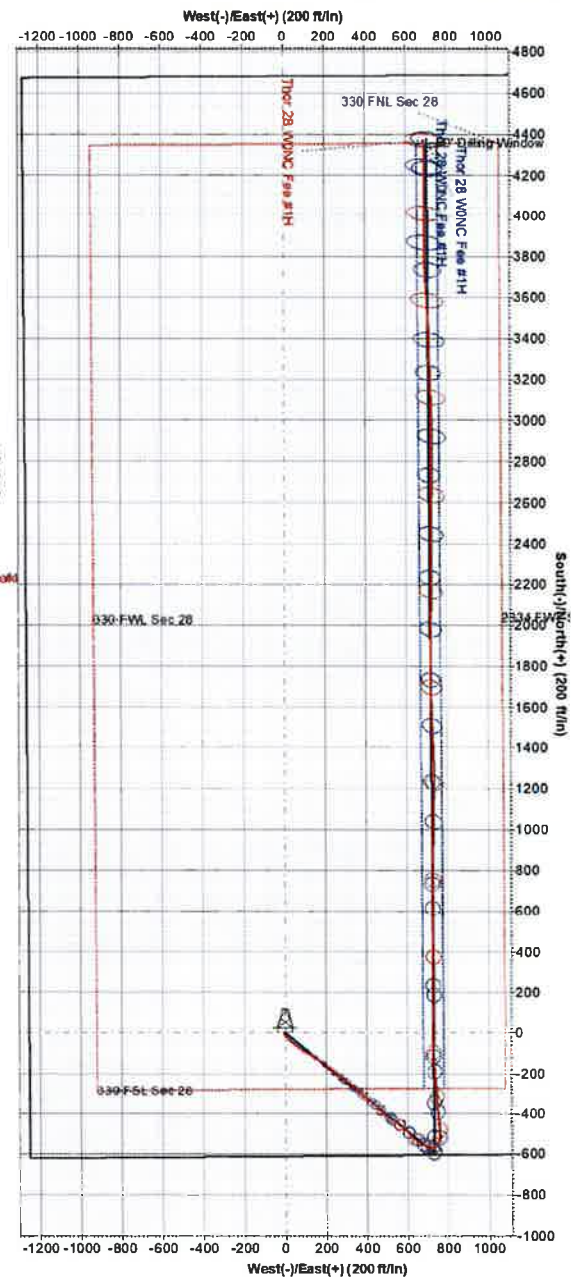
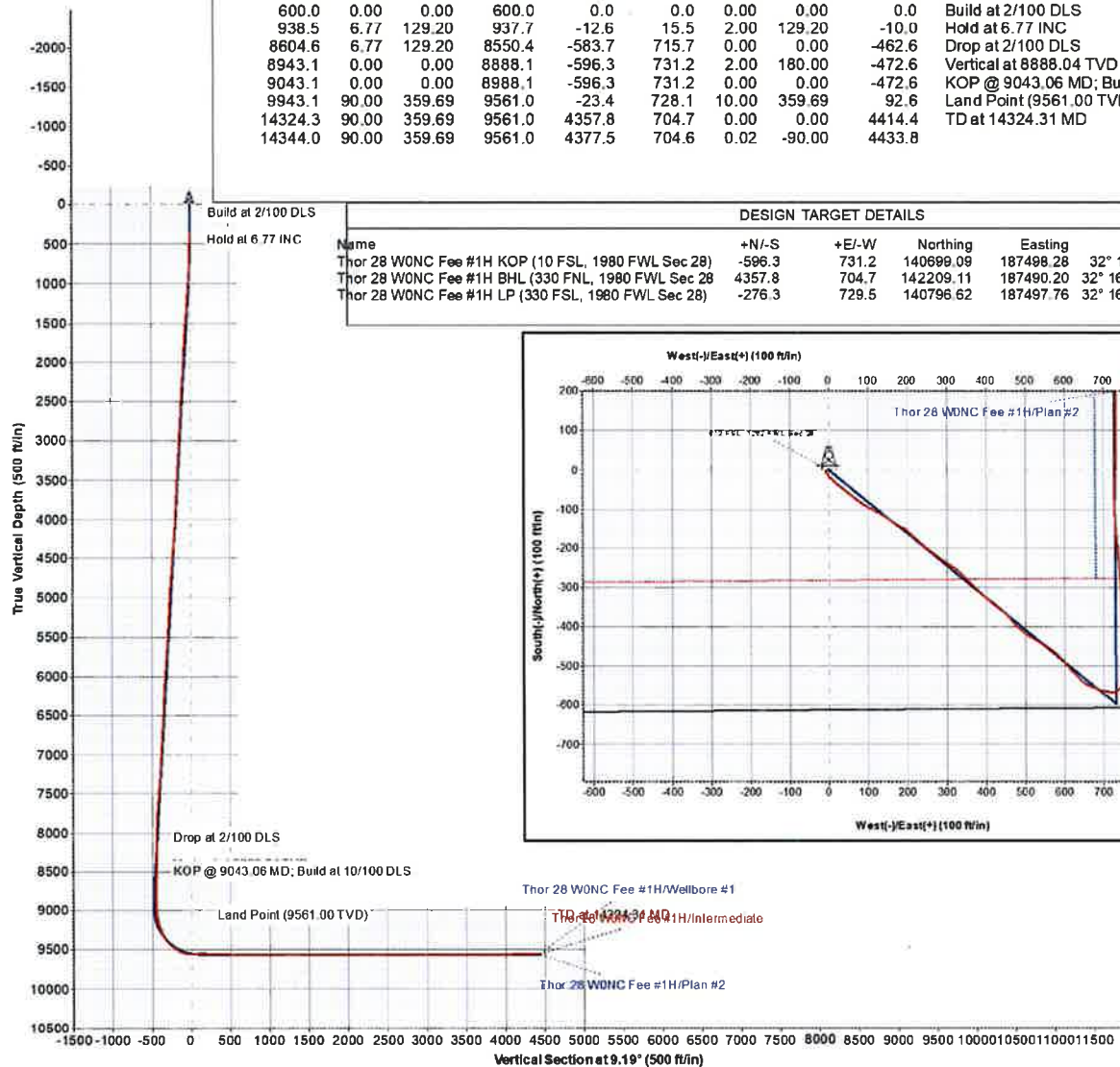
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	140880.85	187275.41	32° 16' 13.653 N	104° 5' 48.767 W

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	Build at 2/100 DLS
938.5	6.77	129.20	937.7	-12.6	15.5	2.00	129.20	-10.0	Hold at 6.77 INC
8604.6	6.77	129.20	8550.4	-583.7	715.7	0.00	0.00	-462.6	Drop at 2/100 DLS
8943.1	0.00	0.00	8888.1	-596.3	731.2	2.00	180.00	-472.6	Vertical at 8888.04 TVD
9043.1	0.00	0.00	8988.1	-596.3	731.2	0.00	0.00	-472.6	KOP @ 9043.06 MD; Build at 10/100 DLS
9943.1	90.00	359.69	9561.0	-23.4	728.1	10.00	359.69	92.6	Land Point (9561.00 TVD)
14324.3	90.00	359.69	9561.0	4357.8	704.7	0.00	0.00	4414.4	TD at 14324.31 MD
14344.0	90.00	359.69	9561.0	4377.5	704.6	0.02	-90.00	4433.8	

DESIGN TARGET DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Thor 28 W0NC Fee #1H KOP (10 FSL, 1980 FWL Sec 28)	-596.3	731.2	140699.08	187498.28	32° 16' 7.736 N	104° 5' 40.268 W
Thor 28 W0NC Fee #1H BHL (330 FNL, 1980 FWL Sec 28)	4357.8	704.7	142209.11	187490.20	32° 16' 56.762 N	104° 5' 40.446 W
Thor 28 W0NC Fee #1H LP (330 FSL, 1980 FWL Sec 28)	-276.3	729.5	140796.62	187497.76	32° 16' 10.903 N	104° 5' 40.278 W



HALLIBURTON | Berry Drilling

Mewbourne Oil Company

Eddy County, NM (NAD83)

Sec 28-T23S-R28E

Thor 28 W0NC Fee #1H

Wellbore #1

Survey: Intermediate

Standard Survey Report

19 October, 2020

Halliburton

Survey Report

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Thor 28 W0NC Fee #1H
Project:	Eddy County, NM (NAD83)	TVD Reference:	3083 GL + 28 KB @ 3111.0ft (Pat 595)
Site:	Sec 28-T23S-R28E	MD Reference:	3083 GL + 28 KB @ 3111.0ft (Pat 595)
Well:	Thor 28 W0NC Fee #1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.15 Single User Db

Project	Eddy County, NM (NAD83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Sec 28-T23S-R28E				
Site Position:		Northing:	142,305.80 m	Latitude:	32° 16' 59.944 N
From:	Map	Easting:	186,886.30 m	Longitude:	104° 6' 3.519 W
Position Uncertainty:	10.0 ft	Slot Radius:	13.200 in	Grid Convergence:	0.12 °

Well	Thor 28 W0NC Fee #1H					
Well Position	+N/-S	0.0 ft	Northing:	140,880.86 m	Latitude:	32° 16' 13.653 N
	+E/-W	0.0 ft	Easting:	187,275.41 m	Longitude:	104° 5' 48.767 W
Position Uncertainty		1.0 ft	Wellhead Elevation:	ft	Ground Level:	3,083.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2000	8/29/2020	7.04	60.00	47,711.53540106

Design	Wellbore #1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.0	0.0	0.0		9.19

Survey Program	Date	10/15/2020			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
172.0	357.0	Surface (Wellbore #1)	3_MWD	A001Mb/ISC4: BGGM declination correction only	
416.0	14,344.0	Intermediate (Wellbore #1)	3_MWD+IGRF	B006Mb: IGRF/WMM declination correction only	

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
357.0	0.90	229.00	357.0	0.4	-2.8	-0.1	0.00	0.00	0.00	
416.0	1.28	262.83	416.0	0.0	-3.8	-0.6	1.24	0.64	57.34	
604.0	1.46	243.76	603.9	-1.3	-8.1	-2.6	0.26	0.10	-10.14	
791.0	3.26	144.14	790.8	-6.7	-7.1	-7.8	2.03	0.96	-53.27	
983.0	7.50	136.42	981.9	-20.2	4.7	-19.2	2.24	2.21	-4.02	
1,171.0	7.91	130.62	1,168.2	-37.5	23.0	-33.4	0.47	0.22	-3.09	
1,360.0	8.62	126.34	1,355.3	-54.4	44.3	-46.6	0.50	0.38	-2.26	
1,547.0	9.32	129.76	1,540.0	-72.4	67.2	-60.7	0.47	0.37	1.83	
1,736.0	8.29	120.53	1,726.8	-89.1	90.7	-73.5	0.92	-0.54	-4.88	
1,925.0	8.55	117.58	1,913.7	-102.5	114.9	-82.8	0.27	0.14	-1.56	

Halliburton

Survey Report

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Thor 28 W0NC Fee #1H
Project:	Eddy County, NM (NAD83)	TVD Reference:	3083 GL + 28 KB @ 3111.0ft (Pat 595)
Site:	Sec 28-T23S-R28E	MD Reference:	3083 GL + 28 KB @ 3111.0ft (Pat 595)
Well:	Thor 28 W0NC Fee #1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Databases:	EDM 5000.15 Single User Db

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
2,114.0	6.92	120.25	2,101.0	-114.8	137.2	-91.4	0.88	-0.86	1.41
2,303.0	9.54	126.10	2,288.0	-129.7	159.7	-102.6	1.45	1.39	3.10
2,461.0	6.89	122.49	2,444.4	-142.5	178.3	-112.2	1.71	-1.68	-2.28
2,589.0	4.91	120.86	2,571.7	-149.5	189.5	-117.3	1.55	-1.55	-1.27
2,779.0	6.40	133.57	2,760.8	-160.9	204.1	-126.3	1.02	0.78	6.69
2,968.0	6.62	133.50	2,948.6	-175.7	219.7	-138.4	0.12	0.12	-0.04
3,157.0	6.81	130.54	3,136.3	-190.5	236.1	-150.3	0.21	0.10	-1.57
3,346.0	6.79	128.67	3,323.9	-204.7	253.3	-161.7	0.12	-0.01	-0.99
3,536.0	6.20	126.77	3,512.7	-217.9	270.3	-171.9	0.33	-0.31	-1.00
3,725.0	6.36	125.33	3,700.6	-230.1	287.0	-181.3	0.12	0.08	-0.76
3,913.0	6.12	123.67	3,887.5	-241.6	303.9	-190.0	0.16	-0.13	-0.88
4,102.0	5.79	120.95	4,075.5	-252.1	320.4	-197.7	0.23	-0.17	-1.44
4,292.0	7.90	136.72	4,264.1	-266.6	337.6	-209.2	1.48	1.11	8.30
4,480.0	8.05	135.02	4,450.3	-285.3	355.7	-224.8	0.15	0.08	-0.90
4,669.0	7.96	133.25	4,637.5	-303.6	374.6	-239.9	0.14	-0.05	-0.94
4,858.0	6.63	130.87	4,824.9	-319.7	392.4	-252.9	0.72	-0.70	-1.26
5,048.0	5.87	124.24	5,013.8	-332.4	408.7	-262.8	0.55	-0.40	-3.49
5,236.0	6.70	130.08	5,200.7	-344.8	425.1	-272.5	0.56	0.44	3.11
5,424.0	5.78	127.96	5,387.5	-357.7	440.9	-282.7	0.50	-0.49	-1.13
5,613.0	7.24	140.16	5,575.3	-372.7	456.1	-295.1	1.06	0.77	6.46
5,802.0	6.70	140.38	5,762.9	-390.4	470.7	-310.2	0.29	-0.29	0.12
5,991.0	7.31	126.95	5,950.5	-406.1	487.4	-323.0	0.92	0.32	-7.11
6,180.0	6.02	126.81	6,138.3	-419.2	504.9	-333.2	0.68	-0.68	-0.07
6,370.0	7.41	117.97	6,326.9	-431.0	523.7	-341.8	0.91	0.73	-4.65
6,559.0	7.05	121.93	6,514.4	-442.8	544.3	-350.2	0.33	-0.19	2.10
6,747.0	7.56	126.39	6,700.9	-456.3	564.1	-360.3	0.41	0.27	2.37
6,936.0	4.72	133.18	6,888.8	-469.0	579.8	-370.3	1.55	-1.50	3.59
7,125.0	5.77	131.62	7,077.0	-480.6	592.5	-379.8	0.56	0.56	-0.83
7,313.0	6.64	144.74	7,263.9	-495.7	605.9	-392.6	0.88	0.46	6.98
7,501.0	6.25	132.54	7,450.8	-511.5	619.7	-406.0	0.76	-0.21	-6.49
7,690.0	6.98	138.62	7,638.5	-527.1	634.9	-418.9	0.53	0.39	3.22
7,878.0	5.06	128.77	7,825.5	-540.9	648.9	-430.3	1.16	-1.02	-5.24
8,067.0	5.31	108.36	8,013.7	-548.8	663.7	-435.8	0.98	0.13	-10.80
8,257.0	4.90	115.08	8,202.9	-555.1	679.4	-439.4	0.38	-0.22	3.54
8,446.0	2.82	113.86	8,391.5	-560.4	690.9	-442.8	1.10	-1.10	-0.65
8,635.0	3.04	95.09	8,580.3	-562.7	700.2	-443.6	0.52	0.12	-9.93
8,824.0	3.37	98.64	8,769.0	-564.0	710.7	-443.2	0.20	0.17	1.88
8,950.0	2.81	107.51	8,894.8	-565.4	717.3	-443.6	0.58	-0.44	7.04
<u>9,039.0</u>	3.79	83.97	8,983.6	<u>-565.8</u>	<u>722.3</u>	-443.2	1.86	1.10	-26.45
9,102.0	8.95	69.55	9,046.2	-563.9	728.9	-440.2	8.51	8.19	-22.89
9,156.0	11.28	54.13	9,099.4	-559.3	737.2	-434.4	6.58	4.31	-28.56
9,214.0	16.98	31.97	9,155.7	-548.8	746.3	-422.5	13.38	9.83	-38.21
9,261.0	20.14	26.18	9,200.2	-535.7	753.5	-408.5	7.78	6.72	-12.32

Halliburton

Survey Report

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Thor 28 W0NC Fee #1H
Project:	Eddy County, NM (NAD83)	TVD Reference:	3083 GL + 28 KB @ 3111.0ft (Pat 595)
Site:	Sec 28-T23S-R28E	MD Reference:	3083 GL + 28 KB @ 3111.0ft (Pat 595)
Well:	Thor 28 W0NC Fee #1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.15 Single User Db

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
9,308.0	19.10	7.32	9,244.5	-520.8	758.0	-393.0	13.60	-2.21	-40.13
9,355.0	24.00	1.13	9,288.2	-503.6	759.2	-375.9	11.48	10.43	-13.17
9,402.0	29.04	355.40	9,330.3	-482.6	758.5	-355.3	12.01	10.72	-12.19
9,449.0	34.47	352.63	9,370.2	-458.1	755.8	-331.5	11.96	11.55	-5.89
9,497.0	42.20	353.48	9,407.9	-428.5	752.3	-302.9	16.14	16.10	1.77
9,544.0	49.89	354.57	9,440.5	-394.9	748.8	-270.3	16.45	16.36	2.32
9,591.0	55.71	357.68	9,468.9	-357.6	746.3	-233.8	13.46	12.38	6.62
9,638.0	57.56	357.92	9,494.7	-318.3	744.8	-195.3	3.96	3.94	0.51
9,685.0	63.94	355.32	9,517.7	-277.4	742.3	-155.3	14.41	13.57	-5.53
9,733.0	69.29	354.40	9,536.7	-233.6	738.4	-112.7	11.28	11.15	-1.92
9,779.0	76.69	355.12	9,550.2	-189.8	734.4	-70.1	16.16	16.09	1.57
9,846.0	91.76	356.10	9,556.9	-123.5	729.3	-5.5	22.54	22.49	1.46
9,873.0	95.32	0.04	9,555.2	-96.6	728.4	21.0	19.64	13.19	14.59
9,968.0	89.97	2.74	9,550.8	-1.8	730.7	114.9	6.31	-5.63	2.84
10,062.0	88.33	359.44	9,552.2	92.2	732.5	208.0	3.92	-1.74	-3.51
10,157.0	89.38	359.25	9,554.1	187.1	731.4	301.6	1.12	1.11	-0.20
10,251.0	87.65	359.37	9,556.6	281.1	730.2	394.1	1.84	-1.84	0.13
10,345.0	87.68	359.19	9,560.4	375.0	729.1	486.6	0.19	0.03	-0.19
10,440.0	88.06	358.56	9,563.9	469.9	727.2	580.0	0.77	0.40	-0.66
10,534.0	90.53	0.05	9,565.1	563.9	726.1	672.6	3.07	2.63	1.59
10,629.0	89.69	1.02	9,564.9	658.9	726.9	766.5	1.35	-0.88	1.02
10,724.0	89.45	0.19	9,565.6	753.9	727.9	860.5	0.91	-0.25	-0.87
10,818.0	90.22	0.81	9,565.9	847.9	728.8	953.4	1.05	0.82	0.66
10,913.0	89.41	0.54	9,566.2	942.9	729.9	1,047.4	0.90	-0.85	-0.28
11,007.0	90.06	0.97	9,566.6	1,036.9	731.1	1,140.3	0.83	0.69	0.46
11,103.0	89.97	1.49	9,566.6	1,132.9	733.2	1,235.4	0.55	-0.09	0.54
11,197.0	89.75	1.03	9,566.8	1,226.8	735.3	1,328.5	0.54	-0.23	-0.49
11,291.0	89.35	357.42	9,567.6	1,320.8	734.0	1,421.1	3.86	-0.43	-3.84
11,386.0	91.21	357.58	9,567.1	1,415.7	729.8	1,514.1	1.97	1.96	0.17
11,480.0	91.55	357.36	9,564.8	1,509.6	725.7	1,606.1	0.43	0.36	-0.23
11,574.0	90.62	358.82	9,563.1	1,603.5	722.6	1,698.3	1.84	-0.99	1.55
11,668.0	89.91	359.44	9,562.6	1,697.5	721.1	1,790.9	1.00	-0.76	0.66
11,762.0	87.93	359.56	9,564.4	1,791.5	720.3	1,883.5	2.11	-2.11	0.13
11,856.0	88.92	359.70	9,567.0	1,885.4	719.7	1,976.2	1.06	1.05	0.15
11,950.0	90.84	1.30	9,567.2	1,979.4	720.5	2,069.1	2.66	2.04	1.70
12,044.0	90.28	0.62	9,566.3	2,073.4	722.1	2,162.1	0.94	-0.60	-0.72
12,138.0	90.53	0.09	9,565.6	2,167.4	722.7	2,255.0	0.62	0.27	-0.56
12,232.0	90.37	0.40	9,564.9	2,261.4	723.1	2,347.9	0.37	-0.17	0.33
12,326.0	89.41	359.87	9,565.0	2,355.4	723.3	2,440.7	1.17	-1.02	-0.56
12,420.0	88.67	359.65	9,566.6	2,449.4	722.9	2,533.4	0.82	-0.79	-0.23
12,516.0	90.31	1.16	9,567.5	2,545.4	723.6	2,628.3	2.32	1.71	1.57
12,610.0	90.84	1.88	9,566.5	2,639.3	726.1	2,721.4	0.95	0.56	0.77
12,704.0	90.06	359.64	9,565.8	2,733.3	727.3	2,814.4	2.52	-0.83	-2.38

Halliburton Survey Report

Company:	Mewbourne Oil Company	Local Coordinate Reference:	Well Thor 28 W0NC Fee #1H
Project:	Eddy County, NM (NAD83)	TVD Reference:	3083 GL + 28 KB @ 3111.0ft (Pat 595)
Site:	Sec 28-T23S-R28E	MD Reference:	3083 GL + 28 KB @ 3111.0ft (Pat 595)
Well:	Thor 28 W0NC Fee #1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.15 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/S (ft)	+E/W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
12,799.0	90.46	0.20	9,565.4	2,828.3	727.2	2,908.1	0.72	0.42	0.59
12,893.0	89.85	0.15	9,565.1	2,922.3	727.5	3,001.0	0.65	-0.65	-0.05
12,987.0	89.17	357.95	9,565.9	3,016.3	725.9	3,093.5	2.45	-0.72	-2.34
13,081.0	88.98	357.79	9,567.4	3,110.2	722.4	3,185.7	0.26	-0.20	-0.17
13,175.0	91.14	359.07	9,567.3	3,204.2	719.9	3,278.0	2.67	2.30	1.36
13,270.0	89.48	358.44	9,566.8	3,299.1	717.8	3,371.4	1.87	-1.75	-0.66
13,364.0	89.75	357.63	9,567.4	3,393.1	714.6	3,463.7	0.91	0.29	-0.86
13,462.0	88.83	357.09	9,568.7	3,491.0	710.1	3,559.6	1.09	-0.94	-0.55
13,556.0	90.12	356.86	9,569.5	3,584.8	705.1	3,651.4	1.39	1.37	-0.24
13,650.0	89.41	355.98	9,569.9	3,678.6	699.2	3,743.1	1.20	-0.76	-0.94
13,744.0	91.02	357.93	9,569.5	3,772.5	694.2	3,835.0	2.69	1.71	2.07
13,839.0	91.79	0.19	9,567.2	3,867.5	692.7	3,928.4	2.51	0.81	2.38
13,933.0	92.22	0.61	9,563.9	3,961.4	693.3	4,021.3	0.64	0.46	0.45
14,027.0	91.95	0.51	9,560.5	4,055.3	694.3	4,114.2	0.31	-0.29	-0.11
14,121.0	91.21	359.76	9,557.9	4,149.3	694.5	4,206.9	1.12	-0.79	-0.80
14,216.0	90.77	359.50	9,556.3	4,244.3	693.9	4,300.6	0.54	-0.46	-0.27
14,294.0	89.17	358.81	9,556.3	4,322.3	692.7	4,377.4	2.23	-2.05	-0.88
14,344.0	89.17	358.81	9,557.0	4,372.2	691.7	4,426.6	0.00	0.00	0.00

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)
372.0	372.0	Surface	13.375	17.500
2,450.0	2,433.5	1st Intermediate	9.625	12.250
9,136.0	9,079.8	2nd Intermediate	7.000	8.750

Checked By: _____ Approved By: _____ Date: _____

Intent ☐ As Drilled ☒

API # 30-015-46246		
Operator Name: Mewbourne Oil Company	Property Name: Thor 28 W0NC Fee	Well Number 1H

Kick Off Point (KOP)

UL N	Section 28	Township 23S	Range 28E	Lot	Feet 46	From N/S S	Feet 1974	From E/W W	County Eddy
Latitude 32.2688996					Longitude -104.0945469			NAD 83	

First Take Point (FTP)

UL N	Section 28	Township 23S	Range 28E	Lot	Feet 372	From N/S S	Feet 1990	From E/W W	County Eddy
Latitude 32.2697951					Longitude -104.0944905			NAD 83	

Last Take Point (LTP)

UL C	Section 28	Township 23S	Range 28E	Lot	Feet 378	From N/S N	Feet 1967	From E/W W	County Eddy
Latitude 32.2823032					Longitude -104.0946066			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 #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018

Submit To Appropriate District Office Two Copies 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 and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505			Form C-105 Revised April 3, 2017					
WELL COMPLETION OR RECOMPLETION REPORT AND LOG							1. WELL API NO. 30-015-46246			
4. Reason for filing: ☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)							2. Type of Lease ☐ STATE ☒ FEE ☐ FED/INDIAN			
							3. State Oil & Gas Lease No.			
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER							5. Lease Name or Unit Agreement Name Thor 28 W0NC Fee			
8. Name of Operator Mewbourne Oil Company							9. OGRID 14744			
10. Address of Operator PO Box 5270 Hobbs, NM 88240							11. Pool name or Wildcat Purple Sage; Wolfcamp (98220)			
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	M	28	23S	28E		612	South	1252	West	Eddy
BH:	D	28	23S	28E		316	North	1967	West	Eddy
13. Date Spudded 09/30/2020	14. Date T.D. Reached 10/15/2020	15. Date Rig Released 10/17/2020			16. Date Completed (Ready to Produce) 01/07/2021			17. Elevations (DF and RKB, RT, GR, etc.) 3083' GL		
18. Total Measured Depth of Well 14344'		19. Plug Back Measured Depth 14290'			20. Was Directional Survey Made? Yes			21. Type Electric and Other Logs Run GR		
22. Producing Interval(s), of this completion - Top, Bottom, Name 9726' MD – 14282' MD Wolfcamp										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
13 3/8"		54.5		372'		17 1/2"		300		0
9 5/8"		40#		2526'		12 1/4"		600		0
7"		29#		9136'		8 3/4"		800		Est TOC @ 2226'
24. LINER RECORD										
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		25. TUBING RECORD				
4 1/2"	8857'	14341	450			SIZE	DEPTH SET	PACKER SET		
						2 7/8"	8834'	8821'		
26. Perforation record (interval, size, and number)										
9726' – 14282' (38 stages, 0.39" EHD, 1368 holes)						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						9726' – 14282'		11,805,948 gals SW carrying 11,152,235# Local 100 Mesh sand.		
28. PRODUCTION										
Date First Production 01/07/2021		Production Method (Flowing, gas lift, pumping - Size and type pump) Gas Lift				Well Status (Prod. or Shut-in) Producing				
Date of Test 1/27/21	Hours Tested 24 hrs	Choke Size 40/64"	Prod'n For Test Period	Oil - Bbl 750	Gas - MCF 1345	Water - Bbl. 3257	Gas - Oil Ratio 1793			
Flow Tubing Press. 665	Casing Pressure 390	Calculated 24-Hour Rate	Oil - Bbl. 750	Gas - MCF 1345	Water - Bbl. 3257	Oil Gravity - API - (Corr.)				
29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold							30. Test Witnessed By Robin Terrell			
31. List Attachments C104, Deviation Survey, Directional Survey, Gyro log, As Drilled C-102										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.							33. Rig Release Date: 10/17/2020			
34. If an on-site burial was used at the well, report the exact location of the on-site burial										
Latitude							Longitude		NAD83	
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief										
Printed Name: Jackie Lathan			Signature: 			Title: Regulatory				
Date: 02/01/2021										
E-mail Address: jlathan@mewbourne.com										

INSTRUCTIONS

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

OIL OR GAS SANDS OR ZONES

No. 3, from.....to.....
No. 4, from.....to.....

IMPORTANT WATER SANDS

No. 1, from.....to.....feet.....

No. 2, from.....to.....feet.....

No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

Released to Imaging: 2/26/2021 2:17:36 PM

Mewbourne Oil Company**Well Name: Thor 28 W0NC Fee #1H****Updated by: Andy Taylor****Spud Date: 9/30/2020****Date Updated: 1/28/2021****Surface**

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

Set @ 372'

Cmt w/ 300 sx

Circ. 120 sx to pit

Intermediate

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

Set @ 2526'

Cmt w/ 600 sx

Circ. 135 sx to pit

Production

8 3/4" x 7" 29# HCP110

Set @ 9136'

Cmt w/ 800 sx

Circ. 0 sx to pit

TBG Detail:		
1	2 3/8" 6.5# L80 pup jt	4.10'
1	2 3/8" x 7" AS 1X Pkr	9.25'
1	2 3/8" 6.5# L80 IPC tbg	32.55'
1	2 3/8" L80 IPC GLV #1	4.10'
1	2 3/8" SN & Collar	1.10'
20	2 3/8" 6.5# L80 IPC tbg	650.42'
1	2 3/8" L80 IPC GLV #2	4.10'
20	2 3/8" 6.5# L80 IPC tbg	650.88'
1	2 3/8" L80 IPC GLV #3	4.10'
20	2 3/8" 6.5# L80 IPC tbg	651.00'
1	2 3/8" L80 IPC GLV #4	4.10'
21	2 3/8" 6.5# L80 IPC tbg	682.86'
1	2 3/8" L80 IPC GLV #5	4.10'
22	2 3/8" 6.5# L80 IPC tbg	713.81'
1	2 3/8" L80 IPC GLV #6	4.10'
21	2 3/8" 6.5# L80 IPC tbg	683.92'
1	2 3/8" L80 IPC GLV #7	4.10'
22	2 3/8" 6.5# L80 IPC tbg	716.02'
1	2 3/8" L80 IPC GLV #8	4.10'
22	2 3/8" 6.5# L80 IPC tbg	716.70'
1	2 3/8" L80 IPC GLV #9	4.10'
33	2 3/8" 6.5# L80 IPC tbg	1074.66'
1	2 3/8" L80 IPC GLV #10	4.10'
67	2 3/8" 6.5# L80 IPC tbg	2177.76'
Total tbg		8806.03'
KB Correction		28.00'
Tbg set @		8834.03'

KOP @ 9039'**Dev @ KOP: 3.79°****Liner**

6 1/8" x 4 1/2" P110

Set @ 8857'-14,341'

TVD @ 9570'**TD 6 1/8" hole @ 14,344'**

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

CONDITIONS

Action 16556

CONDITIONS OF APPROVAL

Operator:	MEWBOURNE OIL CO	P.O. Box 5270	Hobbs, NM88241	OGRID:	14744	Action Number:	16556	Action Type:	C-104C
OCD Reviewer									Condition
ksimmons									None