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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

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 - 015-46272	⁵ Pool Name Purple Sage; Wolfcamp	⁶ Pool Code 98220
⁷ Property Code 329313	⁸ Property Name Thor 28 W0MD 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	1222	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		321	North	640	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 10/17/2020	²² Ready Date 01/07/2021	²³ TD 14285'	²⁴ PBDT 14241'	²⁵ Perforations 9645' - 14233'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	³⁰ Sacks Cement
17 ½"		13 ¾" 54.5# J55		371'	450
12 ¼"		9 ⅝" 40# HCL80		2533'	575
8 ¾"		7" 29# HCP110		8942'	675
6 ¼"		4 ½" 13.5# HCP110		8737' - 14282'	450
		2 ⅞" 6.5# L80		8704'	

V. Well Test Data

³¹ Date New Oil 01/07/2021	³² Gas Delivery Date 01/07/2021	³³ Test Date 01/27/2021	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure 745	³⁶ Csg. Pressure 240
³⁷ Choke Size 42/64	³⁸ Oil 447	³⁹ Water 2717	⁴⁰ Gas 885		⁴¹ Test Method Production

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

Signature: 
Printed name: Jackie Lathan
Title: Regulatory
E-mail Address: jlathan@mewbourne.com
Date: 02/02/2021
Phone: 575-393-5905

OIL CONSERVATION DIVISION
Approved by: KURT SIMMONS
Title: NMOCD
Approval Date: 02/26/2021

Received by OCD: 2/26/2021 7:01:22 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 30-015-46272		² Pool Code 98220		³ Pool Name Purple Sage; Wolfcamp (Gas)	
⁴ Property Code 329313		⁵ Property Name THOR 28 WOMB FEE			
⁷ OGRID NO. 14744		⁸ Operator Name MEWBOURNE OIL COMPANY			
				⁶ Well Number 1H	
				⁹ Elevation 3083'	

¹⁰ Surface Location									
UL or lot no. M	Section 28	Township 23S	Range 28E	Lot Idn	Feet from the 612	North/South line SOUTH	Feet From the 1222	East/West line WEST	County EDDY

¹¹ Bottom Hole Location If Different From Surface									
UL or lot no. D	Section 28	Township 23S	Range 28E	Lot Idn	Feet from the 321	North/South line NORTH	Feet from the 640	East/West line WEST	County 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.

	GEODETIC DATA NAD 83 GRID - NM EAST SURFACE LOCATION N: 462206.4 - E: 614389.4 LAT: 32.2704589° N LONG: 104.0969767° W BOTTOM HOLE LOCATION N: 466555.9 - E: 613804.4 LAT: 32.2824187° N LONG: 104.0988388° 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	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. <i>Jackie Lathan</i> 01/11/2021 Signature Date Jackie Lathan Printed Name jlathan@mewbourne.com E-mail Address
	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 19680 Certificate Number	

Job No.: LS20070309



Project: Eddy County, NM (WAD83)

Site: Sec 28-T23S-R28E

Well: Thor 28 WMD Fee #1H

Error creating XSL parser for script.

Wellbore: Wellbore #1 is incorrect.

Design: Wellbore #1

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



Approximate to Grid North
True North: -8.13°
Magnetic North: 0.91°
Magnetic Field
Strength: 0.778 G
Dip Angle: 68.98°
Date: 6/27/2020
Model: IGRF 2020

WELL DETAILS

3083 GL + 28 KB @ 3111.08 (Pat 595)

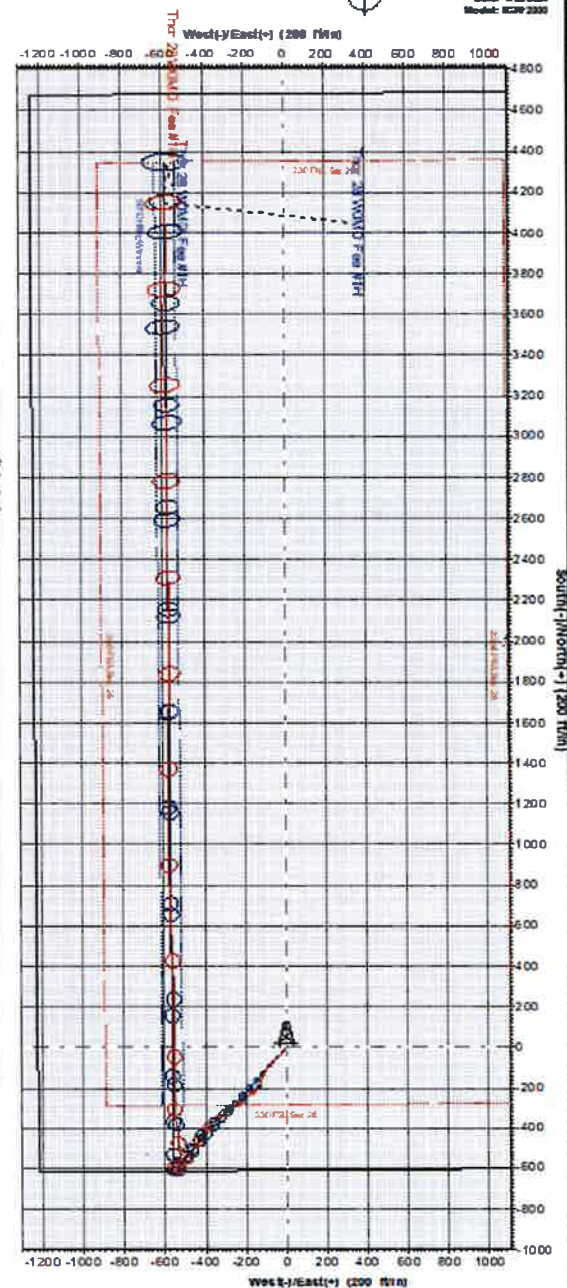
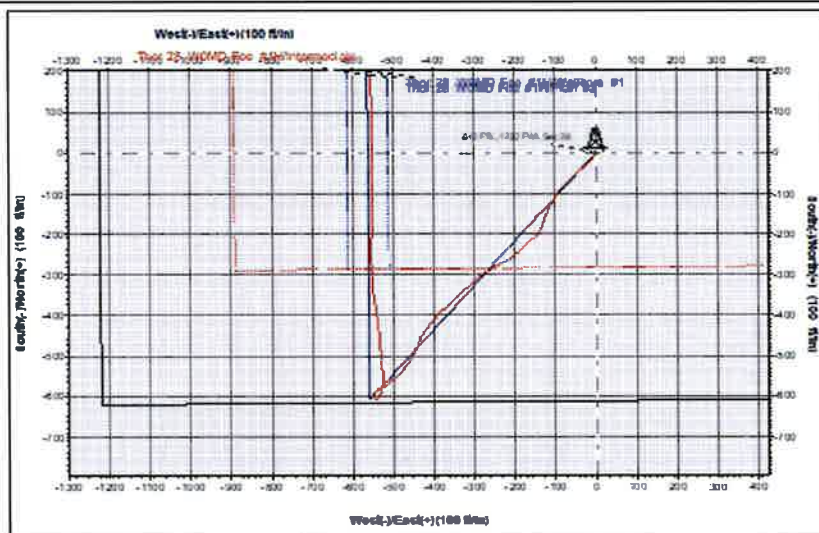
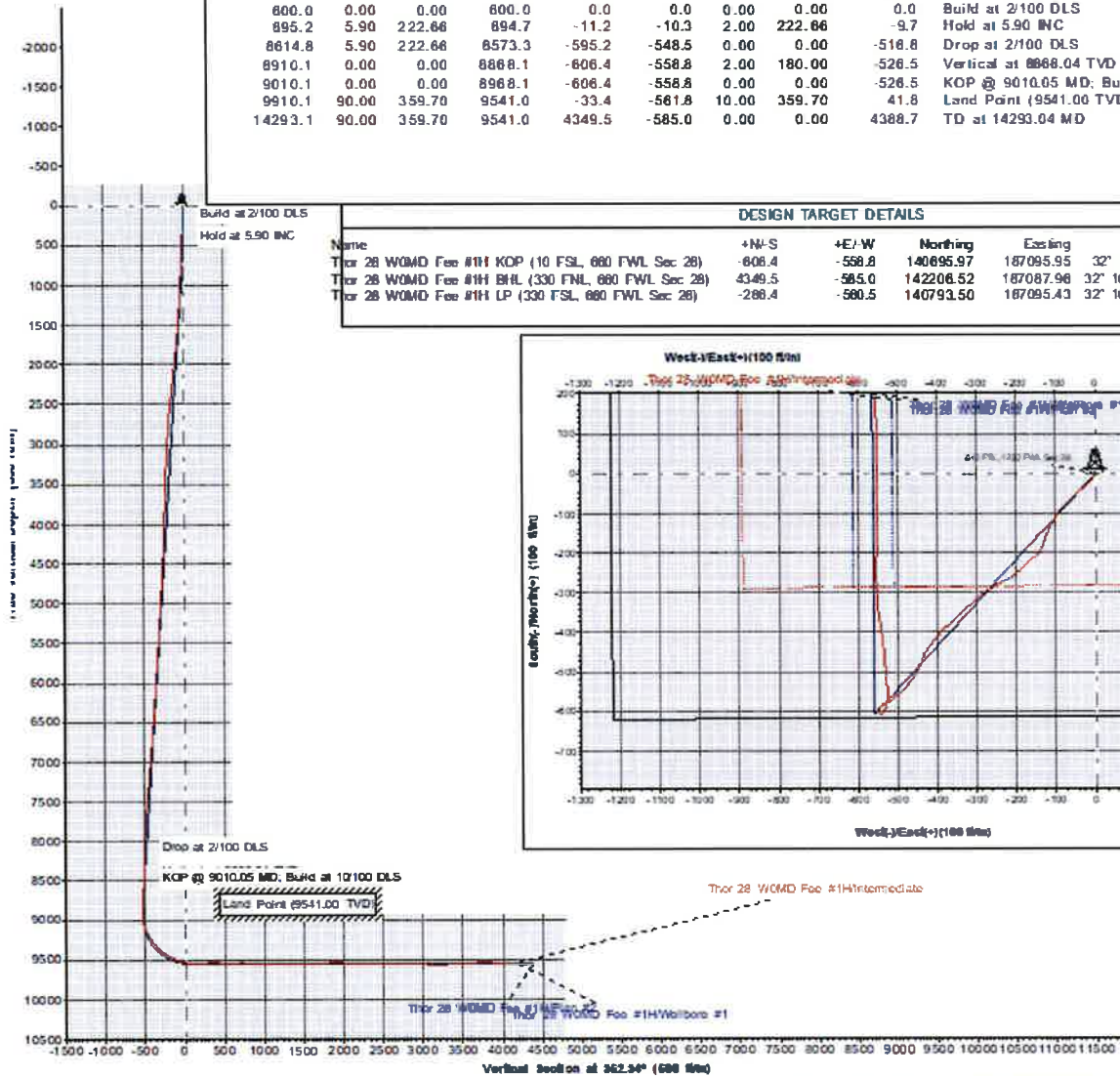
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	140680.79	187268.26	32° 16' 13.652 N	104° 5' 49.117 W

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Diag	TFace	VSeal	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
800.0	0.00	0.00	800.0	0.0	0.0	0.00	0.00	0.0	Build at 2/100 DLS
895.2	5.90	222.66	894.7	-11.2	-10.3	2.00	222.66	-9.7	Hold at 5.90 INC
8614.8	5.90	222.66	8573.3	-595.2	-548.5	0.00	0.00	-518.8	Drop at 2/100 DLS
8910.1	0.00	0.00	8868.1	-606.4	-558.8	2.00	180.00	-526.5	Vertical at 8868.04 TVD
9010.1	0.00	0.00	8968.1	-606.4	-558.8	0.00	0.00	-526.5	KOP @ 9010.05 MD; Build at 10/100 DLS
9910.1	90.00	359.70	9541.0	-33.4	-581.8	10.00	359.70	41.8	Land Point (9541.00 TVD)
14293.1	90.00	359.70	9541.0	4349.5	-585.0	0.00	0.00	4388.7	TD at 14293.04 MD

DESIGN TARGET DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Thor 28 WMD Fee #1H KOP (10 FSL, 680 FWL Sec 28)	-606.4	-558.8	140695.97	187095.95	32° 16' 7.664 N	104° 5' 55.640 W
Thor 28 WMD Fee #1H BHL (330 FSL, 680 FWL Sec 28)	4349.5	-585.0	142206.52	187087.96	32° 16' 58.707 N	104° 5' 55.820 W
Thor 28 WMD Fee #1H LP (330 FSL, 680 FWL Sec 28)	-286.4	-560.5	140793.50	187095.43	32° 16' 10.830 N	104° 5' 55.852 W



HALLIBURTON | Sperry Drilling



Project: Eddy County, NM (NAD83)
 Site: Sec 28-T23S-R28E
 Well: Thor 28 W0MD Fee #1H
 612 FSL, 1222 FWL Sec 28
 Wellbore: Wellbore #1
 Design: Plan #2

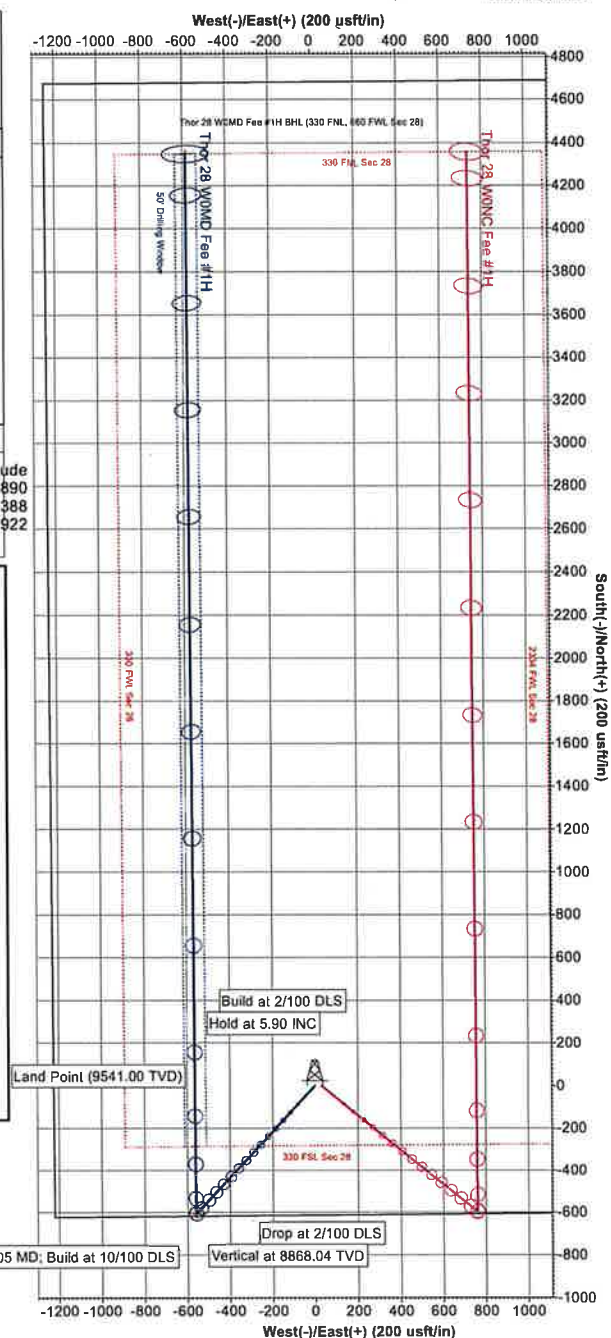
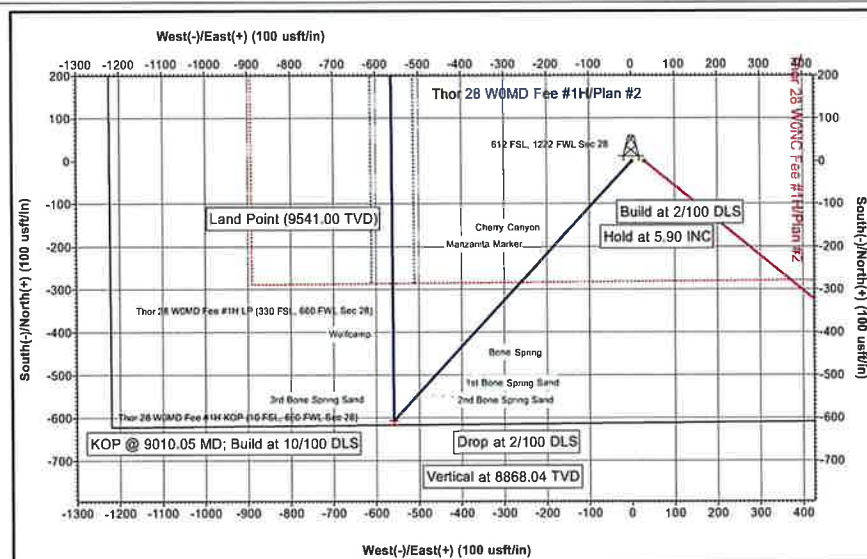
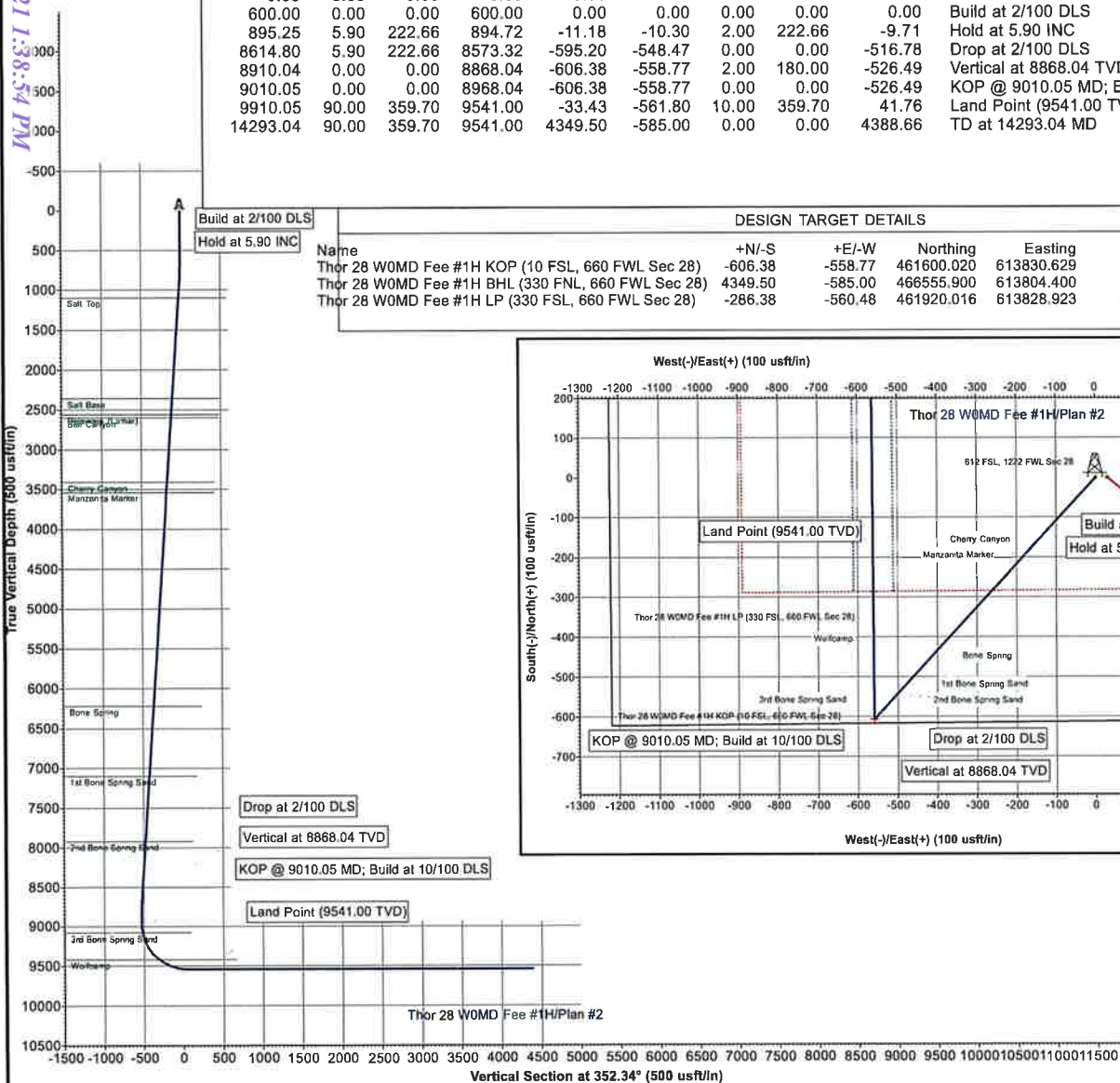
Map System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone Name: New Mexico Eastern Zone



Azimuths to Grid North
 True North: -0.13°
 Magnetic North: 6.91°
 Magnetic Field
 Strength: 47711.5nT
 Dip Angle: 66.80°
 Date: 8/29/2020
 Model: BGGM2020

WELL DETAILS																			
3083 GL + 28 KB @ 3111.00usft (Pat 595)																			
+N/-S		+E/-W		Northing		Easting		Latitude		Longitude									
0.00		0.00		462206.400		614389.400		32.2704589		-104.0969768									
SECTION DETAILS																			
MD		Inc		Azi		TVD		+N/-S		+E/-W		Dleg		TFace		VSept		Annotation	
0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00			
600.00		0.00		0.00		600.00		0.00		0.00		0.00		0.00		0.00		Build at 2/100 DLS	
895.25		5.90		222.66		894.72		-11.18		-10.30		2.00		222.66		-9.71		Hold at 5.90 INC	
8614.80		5.90		222.66		8573.32		-595.20		-548.47		0.00		0.00		-516.78		Drop at 2/100 DLS	
8910.04		0.00		0.00		8868.04		-606.38		-558.77		2.00		180.00		-526.49		Vertical at 8868.04 TVD	
9010.05		0.00		0.00		8968.04		-606.38		-558.77		0.00		0.00		-526.49		KOP @ 9010.05 MD; Build at 10/100 DLS	
9910.05		90.00		359.70		9541.00		-33.43		-561.80		10.00		359.70		41.76		Land Point (9541.00 TVD)	
14293.04		90.00		359.70		9541.00		4349.50		-585.00		0.00		0.00		4388.66		TD at 14293.04 MD	

DESIGN TARGET DETAILS							
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
Thor 28 W0MD Fee #1H KOP (10 FSL, 660 FWL Sec 28)	-606.38	-558.77	461600.020	613830.629	32.2687954	-104.0987890	
Thor 28 W0MD Fee #1H BHL (330 FNL, 660 FWL Sec 28)	4349.50	-585.00	466555.900	613804.400	32.2824186	-104.0988388	
Thor 28 W0MD Fee #1H LP (330 FSL, 660 FWL Sec 28)	-286.38	-560.48	461920.016	613828.923	32.2696751	-104.0987922	



Pat 595

Mewbourne Oil Company

Eddy County, NM (NAD83) Sec 28-T23S-R28E

API#

Thor 28 W0MD Fee #1H

612 FSL, 1222 FWL Sec 28

Wellbore #1

Plan: Plan #2

Please review plan for Magnetic Toolface Switchover.

Highlighted inclination-tangent sections are between 4 and 6°.

Sperry Drilling Services

Combo Report

31 August, 2020

Well Coordinates: 32.2704589
-104.0969768

North American Datum 1983
New Mexico Eastern Zone
462,206.40 N
614,389.40 E

Ground Level: 3,083.00 usft

Local Coordinate Origin:

Viewing Datum:

TVDs to System:

North Reference:

Unit System:

Centered on Well Thor 28 W0MD Fee #1H

3083 GL + 28 KB @ 3111.00usft (Pat 595)

N

Grid

Midcon (2 decimal)

Version: 5000.15 Build: 91E

Report Version: Midcon Combo v1.15

HALLIBURTON

Mewbourne Oil Company

Eddy County, NM (NAD83)

HALLIBURTON**Plan Report for Thor 28 W0MD Fee #1H - Plan #2**

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100usft)	Vertical Section (usft)	Toolface Angle (°)	Comments
				Northing (usft)	Easting (usft)	Northing (usft)	Easting (usft)				
0.00	0.00	0.00	0.00	0.00 N	0.00 E	462,206.400	614,389.400	0.00	0.00	0.00	
100.00	0.00	0.00	100.00	0.00 N	0.00 E	462,206.400	614,389.400	0.00	0.00	0.00	
200.00	0.00	0.00	200.00	0.00 N	0.00 E	462,206.400	614,389.400	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00 N	0.00 E	462,206.400	614,389.400	0.00	0.00	0.00	
400.00	0.00	0.00	400.00	0.00 N	0.00 E	462,206.400	614,389.400	0.00	0.00	0.00	
500.00	0.00	0.00	500.00	0.00 N	0.00 E	462,206.400	614,389.400	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00 N	0.00 E	462,206.400	614,389.400	0.00	0.00	0.00	Build at 2/100 DLS
700.00	2.00	222.66	699.98	1.28 S	1.18 W	462,205.117	614,388.217	2.00	-1.11	222.66	
800.00	4.00	222.66	799.84	5.13 S	4.73 W	462,201.268	614,384.671	2.00	-4.46	0.00	
895.25	5.90	222.66	894.72	11.18 S	10.30 W	462,195.222	614,379.099	2.00	-9.71	0.00	Hold at 5.90 INC
900.00	5.90	222.66	899.45	11.54 S	10.63 W	462,194.862	614,378.768	0.00	-10.02	0.00	
1,000.00	5.90	222.66	998.92	19.10 S	17.60 W	462,187.297	614,371.796	0.00	-16.59	0.00	
1,100.00	5.90	222.66	1,098.39	26.67 S	24.58 W	462,179.731	614,364.825	0.00	-23.16	0.00	
1,101.62	5.90	222.66	1,100.00	26.79 S	24.69 W	462,179.609	614,364.712	0.00	-23.26	0.00	Salt Top
1,200.00	5.90	222.66	1,197.86	34.23 S	31.55 W	462,172.165	614,357.853	0.00	-29.72	0.00	
1,300.00	5.90	222.66	1,297.33	41.80 S	38.52 W	462,164.600	614,350.882	0.00	-36.29	0.00	
1,400.00	5.90	222.66	1,396.80	49.37 S	45.49 W	462,157.034	614,343.910	0.00	-42.86	0.00	
1,500.00	5.90	222.66	1,496.27	56.93 S	52.46 W	462,149.469	614,336.939	0.00	-49.43	0.00	
1,600.00	5.90	222.66	1,595.74	64.50 S	59.43 W	462,141.903	614,329.967	0.00	-56.00	0.00	
1,700.00	5.90	222.66	1,695.21	72.06 S	66.40 W	462,134.338	614,322.996	0.00	-62.57	0.00	
1,800.00	5.90	222.66	1,794.68	79.63 S	73.38 W	462,126.772	614,316.024	0.00	-69.14	0.00	
1,900.00	5.90	222.66	1,894.15	87.19 S	80.35 W	462,119.207	614,309.053	0.00	-75.70	0.00	
2,000.00	5.90	222.66	1,993.62	94.76 S	87.32 W	462,111.641	614,302.081	0.00	-82.27	0.00	
2,100.00	5.90	222.66	2,093.09	102.32 S	94.29 W	462,104.076	614,295.110	0.00	-88.84	0.00	
2,200.00	5.90	222.66	2,192.55	109.89 S	101.26 W	462,096.510	614,288.138	0.00	-95.41	0.00	
2,300.00	5.90	222.66	2,292.02	117.46 S	108.23 W	462,088.945	614,281.167	0.00	-101.98	0.00	
2,368.34	5.90	222.66	2,360.00	122.63 S	113.00 W	462,083.775	614,276.402	0.00	-106.47	0.00	Salt Base
2,400.00	5.90	222.66	2,391.49	125.02 S	115.20 W	462,081.379	614,274.195	0.00	-108.55	0.00	
2,500.00	5.90	222.66	2,490.96	132.59 S	122.18 W	462,073.814	614,267.224	0.00	-115.12	0.00	
2,569.41	5.90	222.66	2,560.00	137.84 S	127.01 W	462,068.563	614,262.385	0.00	-119.68	0.00	Delaware (Lamar)
2,600.00	5.90	222.66	2,590.43	140.15 S	129.15 W	462,066.248	614,260.252	0.00	-121.69	0.00	
2,609.62	5.90	222.66	2,600.00	140.88 S	129.82 W	462,065.521	614,259.582	0.00	-122.32	0.00	Bell Canyon
2,700.00	5.90	222.66	2,689.90	147.72 S	136.12 W	462,058.683	614,253.281	0.00	-128.25	0.00	
2,800.00	5.90	222.66	2,789.37	155.28 S	143.09 W	462,051.117	614,246.309	0.00	-134.82	0.00	
2,900.00	5.90	222.66	2,888.84	162.85 S	150.06 W	462,043.552	614,239.338	0.00	-141.39	0.00	
3,000.00	5.90	222.66	2,988.31	170.41 S	157.03 W	462,035.986	614,232.366	0.00	-147.96	0.00	

Mewbourne Oil Company

Eddy County, NM (NAD83)

HALLIBURTON**Plan Report for Thor 28 W0MD Fee #1H - Plan #2**

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100usft)	Vertical Section (usft)	Toolface Angle (°)	Comments
				Northing (usft)	Easting (usft)	Northing (usft)	Easting (usft)				
3,100.00	5.90	222.66	3,087.78	177.98 S	164.01 W	462,028.421	614,225.395	0.00	-154.53	0.00	
3,200.00	5.90	222.66	3,187.25	185.54 S	170.98 W	462,020.855	614,218.423	0.00	-161.10	0.00	
3,300.00	5.90	222.66	3,286.72	193.11 S	177.95 W	462,013.290	614,211.452	0.00	-167.67	0.00	
3,400.00	5.90	222.66	3,386.19	200.68 S	184.92 W	462,005.724	614,204.480	0.00	-174.24	0.00	
3,423.94	5.90	222.66	3,410.00	202.49 S	186.59 W	462,003.913	614,202.811	0.00	-175.81	0.00	Cherry Canyon
3,500.00	5.90	222.66	3,485.66	208.24 S	191.89 W	461,998.159	614,197.508	0.00	-180.80	0.00	
3,554.63	5.90	222.66	3,540.00	212.37 S	195.70 W	461,994.026	614,193.700	0.00	-184.39	0.00	Manzanita Marker
3,600.00	5.90	222.66	3,585.13	215.81 S	198.86 W	461,990.593	614,190.537	0.00	-187.37	0.00	
3,700.00	5.90	222.66	3,684.60	223.37 S	205.83 W	461,983.028	614,183.565	0.00	-193.94	0.00	
3,800.00	5.90	222.66	3,784.06	230.94 S	212.81 W	461,975.462	614,176.594	0.00	-200.51	0.00	
3,900.00	5.90	222.66	3,883.53	238.50 S	219.78 W	461,967.897	614,169.622	0.00	-207.08	0.00	
4,000.00	5.90	222.66	3,983.00	246.07 S	226.75 W	461,960.331	614,162.651	0.00	-213.65	0.00	
4,100.00	5.90	222.66	4,082.47	253.63 S	233.72 W	461,952.766	614,155.679	0.00	-220.22	0.00	
4,200.00	5.90	222.66	4,181.94	261.20 S	240.69 W	461,945.200	614,148.708	0.00	-226.79	0.00	
4,300.00	5.90	222.66	4,281.41	268.77 S	247.66 W	461,937.635	614,141.736	0.00	-233.35	0.00	
4,400.00	5.90	222.66	4,380.88	276.33 S	254.64 W	461,930.069	614,134.765	0.00	-239.92	0.00	
4,500.00	5.90	222.66	4,480.35	283.90 S	261.61 W	461,922.504	614,127.793	0.00	-246.49	0.00	
4,600.00	5.90	222.66	4,579.82	291.46 S	268.58 W	461,914.938	614,120.822	0.00	-253.06	0.00	
4,700.00	5.90	222.66	4,679.29	299.03 S	275.55 W	461,907.373	614,113.850	0.00	-259.63	0.00	
4,800.00	5.90	222.66	4,778.76	306.59 S	282.52 W	461,899.807	614,106.879	0.00	-266.20	0.00	
4,900.00	5.90	222.66	4,878.23	314.16 S	289.49 W	461,892.242	614,099.907	0.00	-272.77	0.00	
5,000.00	5.90	222.66	4,977.70	321.72 S	296.46 W	461,884.676	614,092.936	0.00	-279.33	0.00	
5,100.00	5.90	222.66	5,077.17	329.29 S	303.44 W	461,877.111	614,085.964	0.00	-285.90	0.00	
5,200.00	5.90	222.66	5,176.64	336.85 S	310.41 W	461,869.545	614,078.993	0.00	-292.47	0.00	
5,300.00	5.90	222.66	5,276.11	344.42 S	317.38 W	461,861.980	614,072.021	0.00	-299.04	0.00	
5,400.00	5.90	222.66	5,375.58	351.99 S	324.35 W	461,854.414	614,065.050	0.00	-305.61	0.00	
5,500.00	5.90	222.66	5,475.04	359.55 S	331.32 W	461,846.849	614,058.078	0.00	-312.18	0.00	
5,600.00	5.90	222.66	5,574.51	367.12 S	338.29 W	461,839.283	614,051.107	0.00	-318.75	0.00	
5,700.00	5.90	222.66	5,673.98	374.68 S	345.26 W	461,831.718	614,044.135	0.00	-325.32	0.00	
5,800.00	5.90	222.66	5,773.45	382.25 S	352.24 W	461,824.152	614,037.164	0.00	-331.88	0.00	
5,900.00	5.90	222.66	5,872.92	389.81 S	359.21 W	461,816.587	614,030.192	0.00	-338.45	0.00	
6,000.00	5.90	222.66	5,972.39	397.38 S	366.18 W	461,809.021	614,023.221	0.00	-345.02	0.00	
6,100.00	5.90	222.66	6,071.86	404.94 S	373.15 W	461,801.456	614,016.249	0.00	-351.59	0.00	
6,200.00	5.90	222.66	6,171.33	412.51 S	380.12 W	461,793.890	614,009.278	0.00	-358.16	0.00	
6,248.93	5.90	222.66	6,220.00	416.21 S	383.53 W	461,790.188	614,005.866	0.00	-361.37	0.00	Bone Spring
6,300.00	5.90	222.66	6,270.80	420.08 S	387.09 W	461,786.325	614,002.306	0.00	-364.73	0.00	
6,400.00	5.90	222.66	6,370.27	427.64 S	394.07 W	461,778.759	613,995.335	0.00	-371.30	0.00	

Mewbourne Oil Company

Eddy County, NM (NAD83)

HALLIBURTON**Plan Report for Thor 28 W0MD Fee #1H - Plan #2**

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100usft)	Vertical Section (usft)	Toolface Angle (°)	Comments
				Northing (usft)	Easting (usft)	Northing (usft)	Easting (usft)				
6,500.00	5.90	222.66	6,469.74	435.21 S	401.04 W	461,771.194	613,988.363	0.00	-377.87	0.00	
6,600.00	5.90	222.66	6,569.21	442.77 S	408.01 W	461,763.628	613,981.391	0.00	-384.43	0.00	
6,700.00	5.90	222.66	6,668.68	450.34 S	414.98 W	461,756.063	613,974.420	0.00	-391.00	0.00	
6,800.00	5.90	222.66	6,768.15	457.90 S	421.95 W	461,748.497	613,967.448	0.00	-397.57	0.00	
6,900.00	5.90	222.66	6,867.62	465.47 S	428.92 W	461,740.932	613,960.477	0.00	-404.14	0.00	
7,000.00	5.90	222.66	6,967.09	473.03 S	435.89 W	461,733.366	613,953.505	0.00	-410.71	0.00	
7,100.00	5.90	222.66	7,066.56	480.60 S	442.87 W	461,725.801	613,946.534	0.00	-417.28	0.00	
7,133.62	5.90	222.66	7,100.00	483.14 S	445.21 W	461,723.257	613,944.190	0.00	-419.49	0.00	1st Bone Spring Sand
7,200.00	5.90	222.66	7,166.02	488.16 S	449.84 W	461,718.235	613,939.562	0.00	-423.85	0.00	
7,300.00	5.90	222.66	7,265.49	495.73 S	456.81 W	461,710.670	613,932.591	0.00	-430.41	0.00	
7,400.00	5.90	222.66	7,364.96	503.30 S	463.78 W	461,703.104	613,925.619	0.00	-436.98	0.00	
7,500.00	5.90	222.66	7,464.43	510.86 S	470.75 W	461,695.539	613,918.648	0.00	-443.55	0.00	
7,600.00	5.90	222.66	7,563.90	518.43 S	477.72 W	461,687.973	613,911.676	0.00	-450.12	0.00	
7,700.00	5.90	222.66	7,663.37	525.99 S	484.70 W	461,680.407	613,904.705	0.00	-456.69	0.00	
7,800.00	5.90	222.66	7,762.84	533.56 S	491.67 W	461,672.842	613,897.733	0.00	-463.26	0.00	
7,900.00	5.90	222.66	7,862.31	541.12 S	498.64 W	461,665.276	613,890.762	0.00	-469.83	0.00	
7,958.00	5.90	222.66	7,920.00	545.51 S	502.68 W	461,660.889	613,886.718	0.00	-473.64	0.00	2nd Bone Spring Sand
8,000.00	5.90	222.66	7,961.78	548.69 S	505.61 W	461,657.711	613,883.790	0.00	-476.40	0.00	
8,100.00	5.90	222.66	8,061.25	556.25 S	512.58 W	461,650.145	613,876.819	0.00	-482.96	0.00	
8,200.00	5.90	222.66	8,160.72	563.82 S	519.55 W	461,642.580	613,869.847	0.00	-489.53	0.00	
8,300.00	5.90	222.66	8,260.19	571.39 S	526.52 W	461,635.014	613,862.876	0.00	-496.10	0.00	
8,400.00	5.90	222.66	8,359.66	578.95 S	533.50 W	461,627.449	613,855.904	0.00	-502.67	0.00	
8,500.00	5.90	222.66	8,459.13	586.52 S	540.47 W	461,619.883	613,848.933	0.00	-509.24	0.00	
8,600.00	5.90	222.66	8,558.60	594.08 S	547.44 W	461,612.318	613,841.961	0.00	-515.81	0.00	
8,614.80	5.90	222.66	8,573.32	595.20 S	548.47 W	461,611.198	613,840.929	0.00	-516.78	0.00	Drop at 2/100 DLS
8,700.00	4.20	222.66	8,658.18	600.72 S	553.56 W	461,605.680	613,835.844	2.00	-521.57	180.00	
8,800.00	2.20	222.66	8,758.02	604.83 S	557.34 W	461,601.574	613,832.061	2.00	-525.14	180.00	
8,900.00	0.20	222.66	8,858.00	606.37 S	558.76 W	461,600.033	613,830.641	2.00	-526.47	180.00	
8,910.04	0.00	0.00	8,868.04	606.38 S	558.77 W	461,600.020	613,830.629	2.00	-526.49	180.00	Vertical at 8868.04 TVD
9,000.00	0.00	0.00	8,958.00	606.38 S	558.77 W	461,600.020	613,830.629	0.00	-526.49	0.00	
9,010.05	0.00	0.00	8,968.04	606.38 S	558.77 W	461,600.020	613,830.629	0.00	-526.49	0.00	KOP @ 9010.05 MD; Build at 10/100 DLS
9,050.00	4.00	359.70	9,007.96	604.99 S	558.78 W	461,601.412	613,830.621	10.00	-525.10	359.70	
9,100.00	9.00	359.70	9,057.63	599.33 S	558.81 W	461,607.067	613,830.592	10.00	-519.50	0.00	
9,122.73	11.27	359.70	9,080.00	595.34 S	558.83 W	461,611.065	613,830.570	10.00	-515.53	0.00	3rd Bone Spring Sand
9,150.00	14.00	359.70	9,106.61	589.37 S	558.86 W	461,617.028	613,830.539	10.00	-509.62	0.00	
9,200.00	19.00	359.70	9,154.53	575.18 S	558.94 W	461,631.220	613,830.464	10.00	-495.54	0.00	
9,250.00	24.00	359.70	9,201.04	556.87 S	559.03 W	461,649.535	613,830.367	10.00	-477.38	0.00	

Mewbourne Oil Company

Eddy County, NM (NAD83)

HALLIBURTON**Plan Report for Thor 28 W0MD Fee #1H - Plan #2**

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100usft)	Vertical Section (usft)	Toolface Angle (°)	Comments
				Northing (usft)	Easting (usft)	Northing (usft)	Easting (usft)				
9,300.00	29.00	359.70	9,245.78	534.57 S	559.15 W	461,671.834	613,830.249	10.00	-455.26	0.00	
9,350.00	34.00	359.70	9,288.40	508.45 S	559.29 W	461,697.947	613,830.111	10.00	-429.36	0.00	
9,400.00	39.00	359.70	9,328.58	478.73 S	559.45 W	461,727.675	613,829.953	10.00	-399.88	0.00	
9,450.00	44.00	359.70	9,366.02	445.61 S	559.62 W	461,760.791	613,829.778	10.00	-367.04	0.00	
9,500.00	49.00	359.70	9,400.43	409.35 S	559.81 W	461,797.045	613,829.586	10.00	-331.08	0.00	
9,530.80	52.07	359.70	9,420.00	385.58 S	559.94 W	461,820.817	613,829.460	10.00	-307.50	0.00	Wolfcamp
9,550.00	54.00	359.70	9,431.55	370.24 S	560.02 W	461,836.160	613,829.379	10.00	-292.29	0.00	
9,600.00	59.00	359.70	9,459.14	328.56 S	560.24 W	461,877.838	613,829.158	10.00	-250.95	0.00	
9,650.00	64.00	359.70	9,482.99	284.64 S	560.47 W	461,921.763	613,828.926	10.00	-207.39	0.00	
9,700.00	69.00	359.70	9,502.93	238.80 S	560.72 W	461,967.599	613,828.683	10.00	-161.93	0.00	
9,750.00	74.00	359.70	9,518.79	191.40 S	560.97 W	462,014.998	613,828.433	10.00	-114.92	0.00	
9,800.00	79.00	359.70	9,530.46	142.80 S	561.22 W	462,063.600	613,828.175	10.00	-66.72	0.00	
9,850.00	84.00	359.70	9,537.86	93.37 S	561.49 W	462,113.033	613,827.914	10.00	-17.69	0.00	
9,900.00	89.00	359.70	9,540.91	43.48 S	561.75 W	462,162.923	613,827.650	10.00	31.79	0.00	
9,910.05	90.00	359.70	9,541.00	33.43 S	561.80 W	462,172.970	613,827.596	10.00	41.76	0.00	Land Point (9541.00 TVD)
10,000.00	90.00	359.70	9,541.00	56.52 N	562.28 W	462,262.921	613,827.120	0.00	130.97	-0.03	
10,100.00	90.00	359.70	9,541.00	156.52 N	562.81 W	462,362.920	613,826.591	0.00	230.14	0.00	
10,200.00	90.00	359.70	9,541.00	256.52 N	563.34 W	462,462.919	613,826.062	0.00	329.32	0.00	
10,300.00	90.00	359.70	9,541.00	356.52 N	563.87 W	462,562.917	613,825.533	0.00	428.50	0.00	
10,400.00	90.00	359.70	9,541.00	456.52 N	564.40 W	462,662.916	613,825.003	0.00	527.67	0.00	
10,500.00	90.00	359.70	9,541.00	556.51 N	564.93 W	462,762.914	613,824.474	0.00	626.85	0.00	
10,600.00	90.00	359.70	9,541.00	656.51 N	565.46 W	462,862.913	613,823.945	0.00	726.03	0.00	
10,700.00	90.00	359.70	9,541.00	756.51 N	565.98 W	462,962.912	613,823.416	0.00	825.21	0.00	
10,800.00	90.00	359.70	9,541.00	856.51 N	566.51 W	463,062.910	613,822.887	0.00	924.38	0.00	
10,900.00	90.00	359.70	9,541.00	956.51 N	567.04 W	463,162.909	613,822.357	0.00	1,023.56	0.00	
11,000.00	90.00	359.70	9,541.00	1,056.51 N	567.57 W	463,262.907	613,821.828	0.00	1,122.74	0.00	
11,100.00	90.00	359.70	9,541.00	1,156.51 N	568.10 W	463,362.906	613,821.299	0.00	1,221.91	0.00	
11,200.00	90.00	359.70	9,541.00	1,256.50 N	568.63 W	463,462.905	613,820.770	0.00	1,321.09	0.00	
11,300.00	90.00	359.70	9,541.00	1,356.50 N	569.16 W	463,562.903	613,820.240	0.00	1,420.27	0.00	
11,400.00	90.00	359.70	9,541.00	1,456.50 N	569.69 W	463,662.902	613,819.711	0.00	1,519.44	0.00	
11,500.00	90.00	359.70	9,541.00	1,556.50 N	570.22 W	463,762.900	613,819.182	0.00	1,618.62	0.00	
11,600.00	90.00	359.70	9,541.00	1,656.50 N	570.75 W	463,862.899	613,818.653	0.00	1,717.80	0.00	
11,700.00	90.00	359.70	9,541.00	1,756.50 N	571.28 W	463,962.898	613,818.123	0.00	1,816.97	0.00	
11,800.00	90.00	359.70	9,541.00	1,856.50 N	571.81 W	464,062.896	613,817.594	0.00	1,916.15	0.00	
11,900.00	90.00	359.70	9,541.00	1,956.49 N	572.34 W	464,162.895	613,817.065	0.00	2,015.33	0.00	
12,000.00	90.00	359.70	9,541.00	2,056.49 N	572.86 W	464,262.893	613,816.536	0.00	2,114.50	0.00	

Mewbourne Oil Company

Eddy County, NM (NAD83)

HALLIBURTON**Plan Report for Thor 28 W0MD Fee #1H - Plan #2**

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100usft)	Vertical Section (usft)	Toolface Angle (°)	Comments
				Northing (usft)	Easting (usft)	Northing (usft)	Easting (usft)				
12,100.00	90.00	359.70	9,541.00	2,156.49 N	573.39 W	464,362.892	613,816.006	0.00	2,213.68	0.00	
12,200.00	90.00	359.70	9,541.00	2,256.49 N	573.92 W	464,462.891	613,815.477	0.00	2,312.86	0.00	
12,300.00	90.00	359.70	9,541.00	2,356.49 N	574.45 W	464,562.889	613,814.948	0.00	2,412.03	0.00	
12,400.00	90.00	359.70	9,541.00	2,456.49 N	574.98 W	464,662.888	613,814.419	0.00	2,511.21	0.00	
12,500.00	90.00	359.70	9,541.00	2,556.49 N	575.51 W	464,762.886	613,813.889	0.00	2,610.39	0.00	
12,600.00	90.00	359.70	9,541.00	2,656.48 N	576.04 W	464,862.885	613,813.360	0.00	2,709.56	0.00	
12,700.00	90.00	359.70	9,541.00	2,756.48 N	576.57 W	464,962.884	613,812.831	0.00	2,808.74	0.00	
12,800.00	90.00	359.70	9,541.00	2,856.48 N	577.10 W	465,062.882	613,812.302	0.00	2,907.92	0.00	
12,900.00	90.00	359.70	9,541.00	2,956.48 N	577.63 W	465,162.881	613,811.772	0.00	3,007.09	0.00	
13,000.00	90.00	359.70	9,541.00	3,056.48 N	578.16 W	465,262.879	613,811.243	0.00	3,106.27	0.00	
13,100.00	90.00	359.70	9,541.00	3,156.48 N	578.69 W	465,362.878	613,810.714	0.00	3,205.45	0.00	
13,200.00	90.00	359.70	9,541.00	3,256.48 N	579.22 W	465,462.877	613,810.185	0.00	3,304.62	0.00	
13,300.00	90.00	359.70	9,541.00	3,356.48 N	579.74 W	465,562.875	613,809.656	0.00	3,403.80	0.00	
13,400.00	90.00	359.70	9,541.00	3,456.47 N	580.27 W	465,662.874	613,809.126	0.00	3,502.98	0.00	
13,500.00	90.00	359.70	9,541.00	3,556.47 N	580.80 W	465,762.872	613,808.597	0.00	3,602.15	0.00	
13,600.00	90.00	359.70	9,541.00	3,656.47 N	581.33 W	465,862.871	613,808.068	0.00	3,701.33	0.00	
13,700.00	90.00	359.70	9,541.00	3,756.47 N	581.86 W	465,962.870	613,807.539	0.00	3,800.51	0.00	
13,800.00	90.00	359.70	9,541.00	3,856.47 N	582.39 W	466,062.868	613,807.009	0.00	3,899.68	0.00	
13,900.00	90.00	359.70	9,541.00	3,956.47 N	582.92 W	466,162.867	613,806.480	0.00	3,998.86	0.00	
14,000.00	90.00	359.70	9,541.00	4,056.47 N	583.45 W	466,262.865	613,805.951	0.00	4,098.04	0.00	
14,100.00	90.00	359.70	9,541.00	4,156.46 N	583.98 W	466,362.864	613,805.422	0.00	4,197.21	0.00	
14,200.00	90.00	359.70	9,541.00	4,256.46 N	584.51 W	466,462.863	613,804.892	0.00	4,296.39	0.00	
14,293.04	90.00	359.70	9,541.00	4,349.50 N	585.00 W	466,555.900	613,804.400	0.00	4,388.66	0.00	TD at 14293.04 MD

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
600.00	600.00	0.00	0.00	Build at 2/100 DLS
895.25	894.72	-11.18	-10.30	Hold at 5.90 INC
8,614.80	8,573.32	-595.20	-548.47	Drop at 2/100 DLS
8,910.04	8,868.04	-606.38	-558.77	Vertical at 8868.04 TVD
9,010.05	8,968.04	-606.38	-558.77	KOP @ 9010.05 MD; Build at 10/100 DLS
9,910.05	9,541.00	-33.43	-561.80	Land Point (9541.00 TVD)
14,293.04	9,541.00	4,349.50	-585.00	TD at 14293.04 MD

Mewbourne Oil Company

Eddy County, NM (NAD83)

HALLIBURTON**Plan Report for Thor 28 W0MD Fee #1H - Plan #2****Vertical Section Information**

Angle Type	Target	Azimuth (°)	Origin Type	Origin +N/_S (usft)	Origin +E/-W (usft)	Start TVD (usft)
TD	No Target (Freehand)	352.34	Slot	0.00	0.00	0.00

Survey tool program

From (usft)	To (usft)	Survey/Plan	Survey Tool
0.00	14,292.54	Plan #2	3_MWD+HRGM

Casing Details

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
2,400.00	2,391.49	11 7/8"	11-7/8	12-1/4
8,910.00	8,868.00	7"	7	8-3/4
14,293.04	9,541.00	4 1/2"	4-1/2	6-1/8

Formation Details

Measured Depth (usft)	Vertical Depth (usft)	TVDSS (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,101.62	1,100.00	-2,011.00	Salt Top			
2,368.34	2,360.00	-751.00	Salt Base			
2,569.41	2,560.00	-551.00	Delaware (Lamar)			
2,609.62	2,600.00	-511.00	Bell Canyon			
3,423.94	3,410.00	299.00	Cherry Canyon			
3,554.63	3,540.00	429.00	Manzanita Marker			
6,248.93	6,220.00	3,109.00	Bone Spring			
7,133.62	7,100.00	3,989.00	1st Bone Spring Sand			
7,958.00	7,920.00	4,809.00	2nd Bone Spring Sand			
9,122.73	9,080.00	5,969.00	3rd Bone Spring Sand			
9,530.80	9,420.00	6,309.00	Wolfcamp			

HALLIBURTON

Mewbourne Oil Company
Eddy County, NM (NAD83)

Plan Report for Thor 28 W0MD Fee #1H - Plan #2**Design Targets**

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Thor 28 W0MD Fee #1H KOP (10 FSL, 660 FWL Sec 28) ()	0.00	0.00	9,117.16	-606.38	-558.77	461,600.020	613,830.629	32.2687954	-104.0987890
- plan misses target center by 19.10usft at 9155.29usft MD (9111.74 TVD, -588.07 N, -558.87 E)									
- Point									
Thor 28 W0MD Fee #1H LP (330 FSL, 660 FWL Sec 28) ()	0.00	0.00	9,541.00	-286.38	-560.48	461,920.016	613,828.923	32.2696751	-104.0987922
- plan misses target center by 53.36usft at 9671.54usft MD (9492.07 TVD, -265.11 N, -560.58 E)									
- Point									
Thor 28 W0MD Fee #1H BHL (330 FNL, 660 FWL Sec 28) ()	0.00	0.00	9,541.00	4,349.50	-585.00	466,555.900	613,804.400	32.2824186	-104.0988388
- plan hits target center									
- Point									

Directional Difficulty Index

Average Dogleg over Survey:	0.71 °/100usft	Maximum Dogleg over Survey:	10.00 °/100usft at 9,910.05 usft
Net Tortousity applicable to Plans:	0.71 °/100usft	Directional Difficulty Index:	6.157

Audit Info

HALLIBURTON

Mewbourne Oil Company
Eddy County, NM (NAD83)

North Reference Sheet for Sec 28-T23S-R28E - Thor 28 W0MD Fee #1H - Wellbore #1

All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to Grid North Reference.

Vertical Depths are relative to 3083 GL + 28 KB @ 3111.00usft (Pat 595). Northing and Easting are relative to Thor 28 W0MD Fee #1H

Coordinate System is US State Plane 1983, New Mexico Eastern Zone using datum North American Datum 1983, ellipsoid GRS 1980

Projection method is Transverse Mercator (Gauss-Kruger)

Central Meridian is -104.333333°, Longitude Origin:0.000000°, Latitude Origin:0.000000°

False Easting: 541,337.500usft, False Northing: 0.000usft, Scale Reduction: 0.99991520

Grid Coordinates of Well: 462,206.400 usft N, 614,389.400 usft E

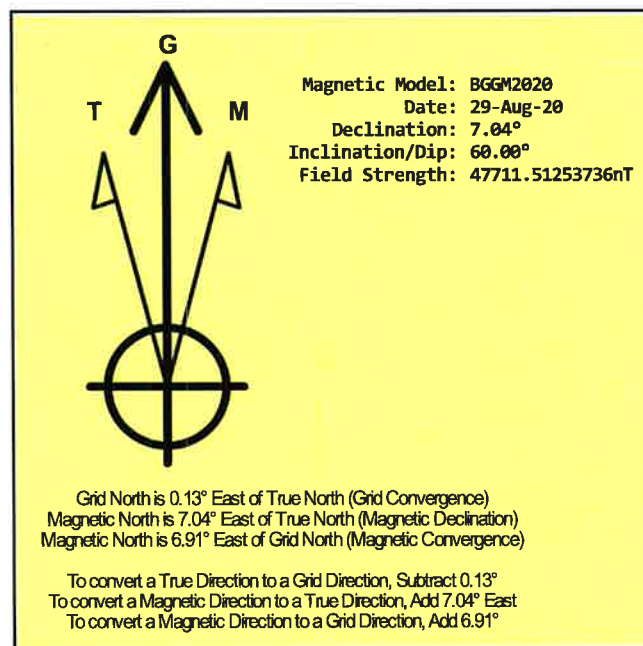
Geographical Coordinates of Well: 32.2704589, -104.0969768

Grid Convergence at Surface is: 0.13°

Based upon Minimum Curvature type calculations, at a Measured Depth of 14,293.04usft

the Bottom Hole Displacement is 4,388.66usft in the Direction of 352.34° (Grid).

Magnetic Convergence at surface is: -6.91° (29 August 2020, , BGGM2020)



Intent ☐ As Drilled ☒

API # 30-015-46272		
Operator Name: Mewbourne Oil Company	Property Name: Thor 28 W0MD Fee	Well Number 1H

Kick Off Point (KOP)

UL M	Section 28	Township 23S	Range 28E	Lot	Feet 7	From N/S S	Feet 663	From E/W W	County Fddr
Latitude 32.2687942					Longitude -104.0987260				NAD 83

First Take Point (FTP)

UL M	Section 28	Township 23S	Range 28E	Lot	Feet 322	From N/S S	Feet 662	From E/W W	County Fddr
Latitude 32.2697421					Longitude -104.0987114				NAD 83

Last Take Point (LTP)

UL D	Section 28	Township 23S	Range 28E	Lot	Feet 373	From N/S N	Feet 640	From E/W W	County Fddr
Latitude 32.2822960					Longitude -104.0950046				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 # 30-015-46246		
Operator Name: Mewbourne Oil Co	Property Name: Thor 28 W0MD Fee	Well Number 1H

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													
1. WELL API NO. 30-015-46272																		
2. Type of Lease ☐ STATE ☒ FEE ☐ FED/INDIAN																		
3. State Oil & Gas Lease No.																		
WELL COMPLETION OR RECOMPLETION REPORT AND LOG																		
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)						5. Lease Name or Unit Agreement Name Thor 28 W0MD Fee												
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER						6. Well Number: 1H												
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	1222	West	Eddy								
BH:	D	28	23S	28E		321	North	640	West	Eddy								
13. Date Spudded 10/17/2020	14. Date T.D. Reached 10/29/2020	15. Date Rig Released 10/31/2020		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 14285'		19. Plug Back Measured Depth 14241'		20. Was Directional Survey Made? Yes		21. Type Electric and Other Logs Run GR												
22. Producing Interval(s), of this completion - Top, Bottom, Name 9645' MD – 14233' 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		371'		17 1/2"		450		0								
9 5/8"		40#		2533'		12 1/4"		575		0								
7"		29#		8942'		8 3/4"		675		0								
24. LINER RECORD																		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		25. TUBING RECORD												
4 1/2"	8737'	14282	450			SIZE	DEPTH SET	PACKER SET										
						2 7/8"	8704'	8691'										
26. Perforation record (interval, size, and number) 9645' – 14233' (38 stages, 0.39" EHD, 1368 holes)																		
27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>DEPTH INTERVAL</th> <th>AMOUNT AND KIND MATERIAL USED</th> </tr> <tr> <td>9645' – 14233'</td> <td>11,842,572 gals SW carrying 11,814,405# Local 100 Mesh sand.</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </table>											DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED	9645' – 14233'	11,842,572 gals SW carrying 11,814,405# Local 100 Mesh sand.				
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED																	
9645' – 14233'	11,842,572 gals SW carrying 11,814,405# 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 1/27/2021	Hours Tested 24 hrs	Choke Size 42/64	Prod'n For Test Period	Oil - Bbl 447	Gas - MCF 885	Water - Bbl. 2717	Gas - Oil Ratio 1980											
Flow Tubing Press. 745	Casing Pressure 240	Calculated 24-Hour Rate	Oil - Bbl. 447	Gas - MCF 885	Water - Bbl. 2717	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: 10/31/2020											
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: 02/02/2021																		
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.....

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

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

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

LITHOLOGY RECORD (Attach additional sheet if necessary)

Released to Imaging: 2/26/2021 1:38:54 PM

Mewbourne Oil Company**Well Name: Thor 28 W0MD Fee #1H****Updated by: Andy Taylor****Spud Date: 9/30/2020****Date Updated: 1/29/2021****Surface**

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

Set @ 371'

Cmt w/ 450 sx

Circ, 230 sx to pit

Intermediate

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

Set @ 2533'

Cmt w/ 575 sx

Circ, 96 sx to pit

Production

8 3/4" x 7" 29# HCP110

Set @ 8942'

Cmt w/ 675 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	32.75'
1	2 3/8" L80 IPC GLV #1	4.10'
1	2 3/8" SN & Collar	1.10'
21	2 3/8" 6.5# L80 IPC tbg	656.84'
1	2 3/8" L80 IPC GLV #2	4.10'
21	2 3/8" 6.5# L80 IPC tbg	676.49'
1	2 3/8" L80 IPC GLV #3	4.10'
21	2 3/8" 6.5# L80 IPC tbg	682.51'
1	2 3/8" L80 IPC GLV #4	4.10'
20	2 3/8" 6.5# L80 IPC tbg	649.28'
1	2 3/8" L80 IPC GLV #5	4.10'
21	2 3/8" 6.5# L80 IPC tbg	681.98'
1	2 3/8" L80 IPC GLV #6	4.10'
21	2 3/8" 6.5# L80 IPC tbg	682.64'
1	2 3/8" L80 IPC GLV #7	4.10'
21	2 3/8" 6.5# L80 IPC tbg	680.18'
1	2 3/8" L80 IPC GLV #8	4.10'
21	2 3/8" 6.5# L80 IPC tbg	684.15'
1	2 3/8" L80 IPC GLV #9	4.10'
32	2 3/8" 6.5# L80 IPC tbg	1036.57'
1	2 3/8" L80 IPC GLV #10	4.10'
65	2 3/8" 6.5# L80 IPC tbg	2108.78'
2	2 3/8" 6.5# L80 IPC pups	16.00'
1	2 3/8" 6.5# L80 IPC tbg	32.45'
Total tbg		8676.07'
KB Correction		28.00'
Tbg set @		8704.07'

KOP @ 9025'**Dev @ KOP: 4.21°****Liner**

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

Set @ 8737'-14,282'

TVD @ 9561'**TD 6 1/8" hole @ 14,285'**

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 16580

CONDITIONS OF APPROVAL

Operator:	MEWBOURNE OIL CO	P.O. Box 5270	Hobbs, NM88241	OGRID:	14744	Action Number:	16580	Action Type:	C-104C
OCD Reviewer									Condition
ksimmons									None