

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

NMOCD Rec'd: 10/19/2020 Form C-104
Revised August 1, 2011

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

Submit one copy to appropriate District Office

AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Mewbourne Oil Company PO Box 5270 Hobbs, NM 88241		² OGRID Number 14744
		³ Reason for Filing Code/ Effective Date RT / 10/08/2020
⁴ API Number 30 - 015 - 46363	⁵ Pool Name Purple Sage; Wolfcamp (Gas)	⁶ Pool Code 98220
⁷ Property Code 326194	⁸ Property Name Foreigner 33/4 WOLM 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
L	33	23S	28E		2450	South	1120	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
M	4	24S	28E		318	South	389	West	Eddy
¹² Lse Code S	¹³ Producing Method Code Flowing		¹⁴ Gas Connection Date 10/08/2020		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 01/01/20	²² Ready Date 10/08/2020	²³ TD 16931' MD	²⁴ PBDT 16894'	²⁵ Perforations 9786' - 16710'	²⁶ DHC, MC NA
²⁷ Hole Size		²⁸ Casing & Tubing Size	²⁹ Depth Set		³⁰ Sacks Cement
17 1/2"		13 3/4" 54.5# J55	542'		371
12 1/4"		9 5/8" 40# HCL80	2543'		650
8 3/4"		7" 29# HCP110	9920'		725
6 1/8"		4 1/2" 13.5# HCP110	9109' - 16931'		675

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas		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: *Jackie Lathan*

Printed name:
Jackie Lathan

Title:
Regulatory

E-mail Address:
jlathan@mewbourne.com

Date:
10/08/2020

Phone:
575-393-5905

OIL CONSERVATION DIVISION

Approved by:

*** DENIED**

Title:

Approval Date:

**RT DENIED, RECEIVED COMPLETION SUNDRY 10/26/2020
PRODUCTION READY DATE: 10/10/2020. SUBMIT A
C-104NW, C-102&SURVEY FROM THE ATTACHED, C-105 ASAP.*

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

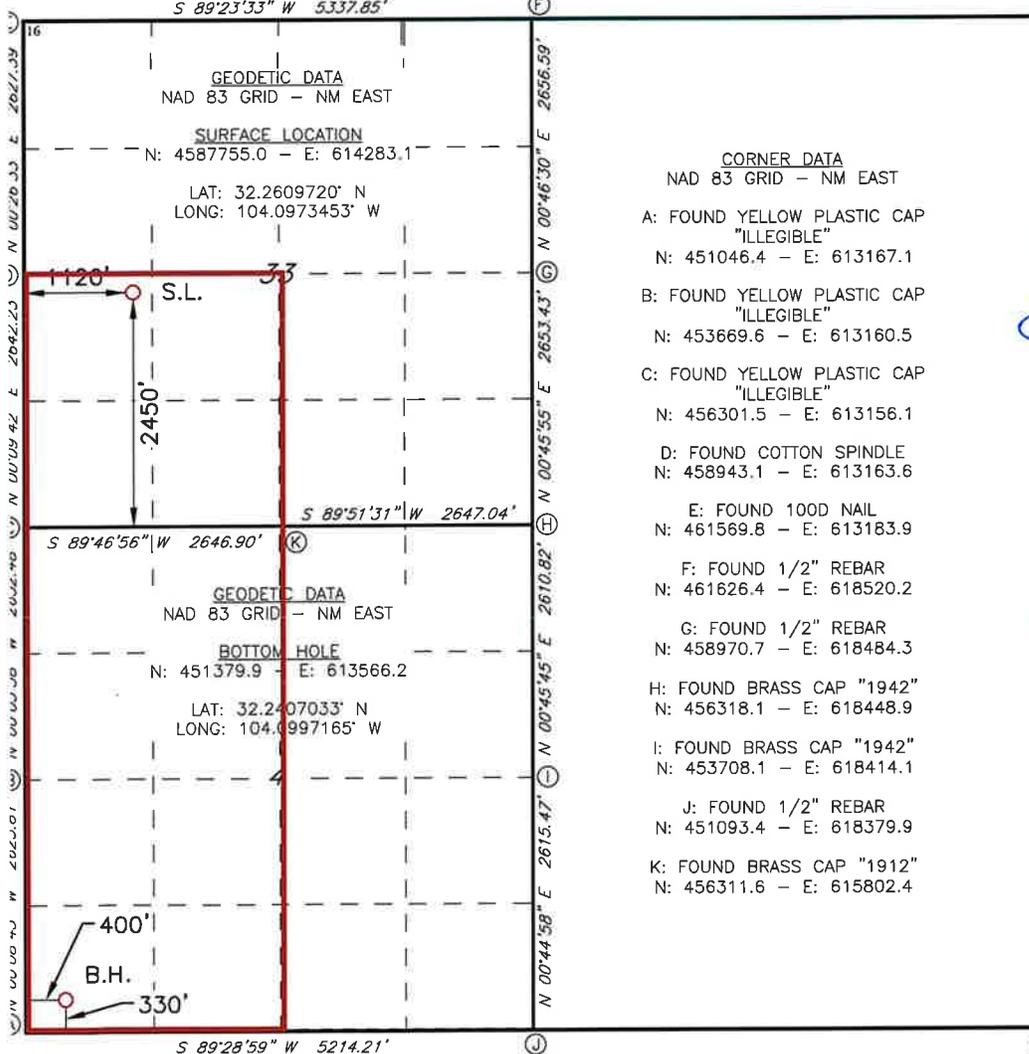
Revised August 1, 2011
Submit one copy to appropriate
District Office

AMENDED REPORT
As Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-46363		² Pool Code 98220		³ Pool Name Purple Sage; Wolfcamp (Gas)					
⁴ Property Code 326194		⁵ Property Name FOREIGNER 33/4 WOLM FEE						⁶ Well Number 2H	
⁷ OGRID NO. 14744		⁸ Operator Name MEWBOURNE OIL COMPANY						⁹ Elevation 3099'	
¹⁰ Surface Location									
UL or lot no. L	Section 33	Township 23S	Range 28E	Lot Idn	Feet from the 2450	North/South line SOUTH	Feet From the 1120	East/West line WEST	County EDDY
¹¹ Bottom Hole Location If Different From Surface									
UL or lot no. M	Section 4	Township 24S	Range 28E	Lot Idn	Feet from the 318	North/South line SOUTH	Feet from the 389	East/West line WEST	County EDDY
¹² Dedicated Acres 480.20	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.

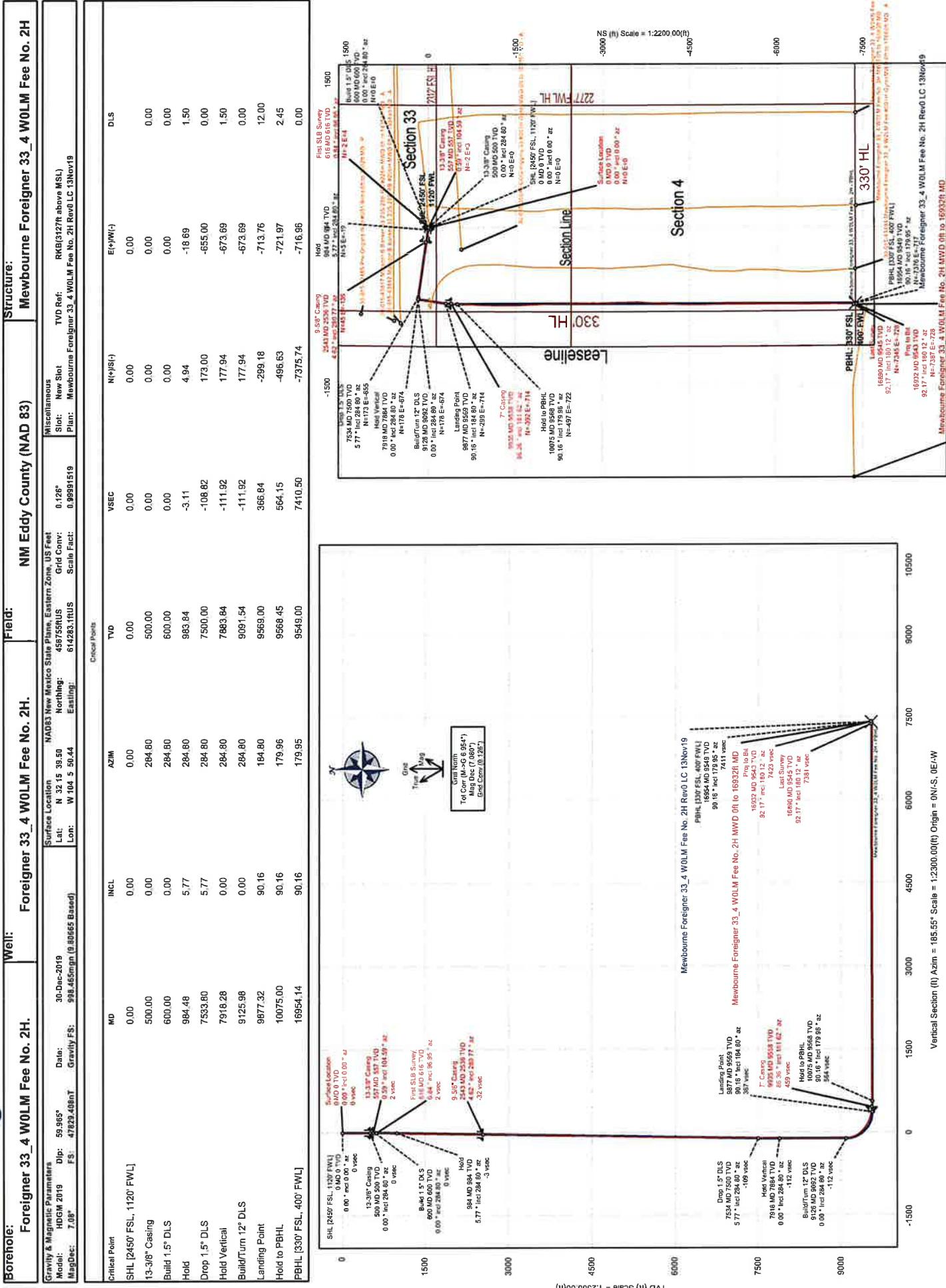
Signature: *Jackie Lathan* Date: 10/08/2020
Printed Name: Jackie Lathan
E-mail Address:

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.

9-20-2019
Date of Survey
Signature and Seal of Professional Surveyor: *Robert M. Howett*
19680
Certificate Number

ROBERT M. HOWETT
NEW MEXICO
19880
PROFESSIONAL SURVEYOR

Job No: LS19090916





Mewbourne Foreigner 33_4 WOLM Fee No. 2H MWD Off to Update Survey Report (Def Survey)

Report Date: January 16, 2020 - 11:58 AM
Client: Mewbourne Oil Company
Field: NM Eddy County (NAD 83)
Structure / Slot: Mewbourne Foreigner 33_4 WOLM Fee No. 2H / New Slot
Well: Foreigner 33_4 WOLM Fee No. 2H.
Borehole: Foreigner 33_4 WOLM Fee No. 2H.
UWI / API#: Unknown / Unknown
Survey Name: Mewbourne Foreigner 33_4 WOLM Fee No. 2H MWD Off to Update
Survey Date: December 13, 2019
Tort / AHD / DDI / ERD Ratio: 233.901 ° / 8297.917 ft / 6.536 / 0.867
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 15' 39.49964", W 104° 5' 50.44310"
Location Grid N/E Y/X: N 458755.000 fU.S., E 614283.100 fU.S
CRS Grid Convergence Angle: 0.1260 °
Grid Scale Factor: 0.99991519
Version / Patch: 2.10.760.0

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 185.552 ° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 3127.000 ft above MSL
Seabed / Ground Elevation: 3099.000 ft above MSL
Magnetic Declination: 7.080 °
Total Gravity Field Strength: 998.4646mgn (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 47829.408 nT
Magnetic Dip Angle: 59.965 °
Declination Date: December 30, 2019
Magnetic Declination Model: HDGM 2019
North Reference: Grid North
Grid Convergence Used: 0.1260 °
Total Corr Mag North->Grid North: 6.9543 °
Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (N/S ft)	EW (E/W ft)	Closure (ft)	Closure Azimuth (°)	DLS (°/100ft)	TF (°)
SHL [2450' FSL, 1120' FWL]	0.00	0.00	0.00	0.00	0.00	N 0.00	E 0.00	0.00	0.00	N/A	119.98M
Gyro	100.00	0.53	119.98	100.00	0.19	S 0.23	E 0.40	0.46	119.98	0.53	113.39M
	200.00	0.42	113.39	200.00	0.49	S 0.61	E 1.14	1.29	118.11	0.12	116.81M
	300.00	0.26	116.81	299.99	0.69	S 0.86	E 1.68	1.88	117.04	0.16	139.21M
	400.00	0.52	139.21	399.99	1.08	S 1.30	E 2.18	2.54	120.89	0.30	133.65M
	480.00	0.30	133.65	479.99	1.46	S 1.72	E 2.56	3.09	123.87	0.28	96.95M
	616.00	0.84	96.95	615.98	1.71	S 2.09	E 3.81	4.35	118.71	0.46	287.72M
	736.00	0.36	287.72	735.98	1.65	S 2.08	E 4.33	4.80	115.67	1.00	314.88M
	831.00	0.96	314.88	830.97	1.08	S 1.43	E 3.48	3.76	112.31	0.70	288.59M
	925.00	3.57	288.59	924.89	-0.08	N 0.06	E 0.14	0.16	66.70	2.92	291.8M
	1020.00	5.80	291.80	1019.57	-2.09	N 2.79	W 7.12	7.64	291.40	2.36	291.86M
	1114.00	5.57	291.86	1113.11	-4.70	N 6.25	W 15.76	16.95	291.63	0.24	293.44M
	1209.00	5.23	293.44	1207.68	-7.32	N 9.69	W 24.01	25.89	291.98	0.39	291.35M
	1303.00	5.89	291.35	1301.24	-9.95	N 13.15	W 32.43	35.00	292.07	0.73	291.44M
	1398.00	6.12	291.44	1395.72	-12.66	N 16.78	W 41.69	44.94	291.92	0.24	290.44M
	1493.00	5.89	290.44	1490.20	-15.30	N 20.33	W 50.97	54.87	291.74	0.27	290.15M
	1587.00	7.06	290.15	1583.60	-18.00	N 24.00	W 60.91	65.47	291.51	1.25	288.99M
	1682.00	6.83	288.99	1677.90	-20.78	N 27.85	W 71.73	76.95	291.22	0.28	289.64M
	1776.00	5.80	289.64	1771.33	-23.24	N 31.27	W 81.49	87.29	290.99	1.10	294.11M
	1870.00	5.03	294.11	1864.91	-25.70	N 34.55	W 89.73	96.15	291.06	0.93	283.89M
	1965.00	5.35	283.89	1959.52	-27.67	N 37.31	W 97.83	104.70	290.88	1.03	282.11M
	2059.00	5.05	282.11	2053.14	-28.78	N 39.23	W 106.13	113.15	290.29	0.36	283.06M
	2154.00	3.99	283.06	2147.84	-29.69	N 40.86	W 113.44	120.57	289.81	1.12	284.27M
	2248.00	2.60	284.27	2241.68	-30.44	N 42.12	W 118.69	125.94	289.54	1.48	281.16M
	2342.00	3.47	281.16	2335.55	-31.04	N 43.20	W 123.55	130.88	289.27	0.94	275.35M
	2437.00	2.95	275.35	2430.40	-31.31	N 43.98	W 128.80	136.10	288.85	0.64	280.91M
	2491.00	4.04	280.91	2484.30	-31.49	N 44.47	W 132.05	139.34	288.61	2.11	280.73M
	2563.00	4.85	280.73	2556.08	-32.00	N 45.52	W 137.53	144.87	288.31	1.13	275.04M
	2658.00	5.39	275.04	2650.70	-32.32	N 46.66	W 145.92	153.20	287.73	0.78	275.57M
	2751.00	6.39	275.57	2743.21	-32.28	N 47.54	W 155.43	162.53	287.01	1.08	276.2M
	2846.00	7.01	276.20	2837.56	-32.35	N 48.68	W 166.45	173.42	286.30	0.66	275.94M
	2940.00	7.71	275.94	2930.79	-32.46	N 49.95	W 178.42	185.29	285.64	0.75	275.88M
	3034.00	7.81	275.88	3023.92	-32.54	N 51.26	W 191.05	197.81	285.02	0.11	275.73M
	3128.00	7.66	275.73	3117.07	-32.59	N 52.54	W 203.64	210.31	284.47	0.16	281.53M
	3222.00	8.06	281.53	3210.19	-33.30	N 54.48	W 216.33	223.08	284.14	0.94	80.81R
	3316.00	8.28	288.44	3303.24	-35.50	N 57.94	W 229.21	236.42	284.19	1.07	134.82R
	3411.00	8.27	288.51	3397.25	-38.55	N 62.27	W 242.17	250.05	284.42	0.01	148.66L
	3505.00	7.77	286.23	3490.33	-41.25	N 66.20	W 254.69	263.15	284.57	0.63	286.92M
	3600.00	7.68	286.92	3584.47	-43.69	N 69.84	W 266.92	275.91	284.66	0.14	288.06M
	3695.00	7.55	288.06	3678.63	-46.29	N 73.62	W 278.93	288.48	284.79	0.21	288.08M
	3789.00	7.62	288.08	3771.80	-48.98	N 77.47	W 290.73	300.87	284.92	0.07	289.06M
	3884.00	7.43	289.06	3865.99	-51.78	N 81.43	W 302.52	313.29	285.07	0.24	288.69M
	3978.00	7.31	288.69	3959.21	-54.56	N 85.33	W 313.93	325.32	285.21	0.14	289.67M
	4073.00	7.03	289.67	4053.47	-57.35	N 89.23	W 325.13	337.15	285.35	0.32	289.86M
	4167.00	6.96	289.86	4146.77	-60.16	N 93.10	W 335.90	348.56	285.49	0.08	291.32M
	4262.00	7.09	291.32	4241.05	-63.18	N 97.18	W 346.78	360.14	285.66	0.23	292.63M
	4356.00	7.10	292.63	4334.33	-66.46	N 101.53	W 357.54	371.68	285.85	0.17	286.72M
	4450.00	6.21	286.72	4427.70	-69.15	N 105.23	W 367.77	382.53	285.97	1.19	286.46M
	4545.00	6.24	286.46	4522.14	-71.12	N 108.17	W 377.65	392.83	285.98	0.04	286.05M
	4639.00	6.13	286.05	4615.59	-73.00	N 111.00	W 387.37	402.96	285.99	0.13	285.41M
	4733.00	5.93	285.41	4709.07	-74.75	N 113.68	W 396.87	412.83	285.98	0.22	285.29M
	4827.00	5.73	285.28	4802.59	-76.37	N 116.21	W 406.08	422.38	285.97	0.21	285.16M
	4921.00	5.50	285.16	4896.14	-77.92	N 118.62	W 414.96	431.58	285.95	0.24	284.69M
	5016.00	5.14	284.69	4990.73	-79.35	N 120.89	W 423.47	440.39	285.93	0.38	285.13M
	5110.00	4.94	285.13	5084.36	-80.70	N 123.02	W 431.45	448.64	285.91	0.22	284.96M
	5204.00	4.82	284.96	5178.02	-82.02	N 125.09	W 439.17	456.84	285.90	0.13	285.02M
	5299.00	4.66	285.02	5272.70	-83.30	N 127.12	W 446.75	464.49	285.88	0.17	284.98M
	5393.00	4.33	284.98	5366.41	-84.51	N 129.03	W 453.87	471.85	285.87	0.35	282.14M
	5488.00	4.08	282.14	5461.15	-85.49	N 130.67	W 460.64	478.81	285.84	0.34	281.5M
	5582.00	4.21	281.50	5554.91	-86.23	N 132.06	W 467.29	485.59	285.78	0.15	282.06M
	5677.00	5.07	282.06	5649.60	-87.07	N 133.63	W 474.81	493.26	285.72	0.91	286.26M
	5771.00	5.60	286.26	5743.19	-88.39	N 135.78	W 483.27	501.99	285.69	0.70	284.46M
	5866.00	5.23	284.46	5837.76	-89.92	N 138.16	W 491.92	510.95	285.69	0.43	285.8M
	5960.00	6.20	285.80	5931.30	-91.49	N 140.61	W 500.95	520.31	285.68	1.04	285.33M
	6055.00	6.72	285.33	6025.69	-93.34	N 143.48	W 511.25	531.00	285.68	0.55	283.56M

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (N/S ft)	EW (E/W ft)	Closure (ft)	Closure Azimuth (°)	DLS ("/100ft)	TF (°)
	6149.00	6.21	283.56	6119.09	-94.99	N 146.13	W 521.49	541.58	285.65	0.58	281.14M
	6244.00	5.86	281.14	6213.57	-96.17	N 148.27	W 531.25	551.55	285.59	0.46	284.09M
	6339.00	6.03	284.09	6308.06	-97.39	N 150.42	W 540.84	561.37	285.54	0.37	278.93M
	6433.00	5.71	278.93	6401.56	-98.40	N 152.35	W 550.25	570.95	285.48	0.66	270.95M
	6528.00	5.57	270.95	6496.11	-98.30	N 153.16	W 559.53	580.11	285.31	0.84	272.3M
	6622.00	5.96	272.30	6589.63	-97.66	N 153.43	W 568.97	589.29	285.09	0.44	276.46M
	6716.00	6.42	276.46	6683.08	-97.47	N 154.22	W 579.07	599.25	284.91	0.68	284.41M
	6811.00	7.08	284.41	6777.43	-98.45	N 156.27	W 590.02	610.36	284.83	1.20	289.98M
	6905.00	6.13	289.98	6870.80	-100.60	N 159.43	W 600.34	621.15	284.87	1.22	291.95M
	6999.00	5.65	291.95	6964.31	-103.15	N 162.87	W 609.35	630.74	284.96	0.55	276.9M
	7094.00	5.53	276.90	7058.86	-104.58	N 165.17	W 618.23	639.92	284.96	1.54	272.66M
	7188.00	5.28	272.86	7152.44	-104.48	N 165.93	W 627.05	648.63	284.82	0.48	276.27M
	7282.00	4.99	276.27	7246.06	-104.33	N 166.59	W 635.43	656.91	284.69	0.45	279.16M
	7377.00	4.62	279.16	7340.73	-104.63	N 167.65	W 643.32	664.80	284.61	0.47	277.64M
	7471.00	4.81	277.64	7434.41	-105.01	N 168.78	W 650.96	672.49	284.54	0.24	272.96M
	7566.00	4.77	272.96	7529.08	-104.97	N 169.51	W 658.85	680.31	284.43	0.41	275.35M
	7660.00	3.94	275.35	7622.81	-104.79	N 170.02	W 665.97	687.33	284.32	0.90	282.2M
	7755.00	2.43	282.20	7717.66	-105.01	N 170.75	W 671.19	692.57	284.27	1.64	321.12M
	7850.00	2.42	321.12	7812.58	-106.87	N 172.73	W 674.42	696.19	284.37	1.70	330.86M
	7944.00	2.19	330.86	7906.50	-109.57	N 175.85	W 676.54	699.02	284.57	0.48	334.72M
	8039.00	0.99	334.72	8001.47	-111.76	N 178.17	W 677.77	700.80	284.73	1.27	324.18M
	8133.00	0.76	324.18	8095.46	-112.93	N 179.41	W 678.48	701.81	284.81	0.30	309.83M
	8228.00	0.62	309.83	8190.45	-113.69	N 180.25	W 679.25	702.76	284.86	0.23	298.23M
	8322.00	0.96	298.23	8284.44	-114.28	N 180.95	W 680.33	703.99	284.89	0.40	286.36M
	8417.00	0.48	286.36	8379.43	-114.66	N 181.44	W 681.42	705.16	284.91	0.53	346.64M
	8512.00	0.33	346.64	8474.43	-115.00	N 181.82	W 681.86	705.69	284.93	0.45	241.99M
	8606.00	0.85	241.99	8568.43	-114.87	N 181.75	W 682.54	706.32	284.91	1.05	260.88M
	8701.00	0.89	260.88	8663.42	-114.29	N 181.31	W 683.89	707.51	284.85	0.30	225.41M
	8795.00	1.11	225.41	8757.40	-113.41	N 180.55	W 685.26	708.65	284.76	0.69	223.62M
	8890.00	1.50	223.62	8852.38	-111.72	N 179.01	W 686.77	709.72	284.61	0.41	237.66M
	8985.00	1.29	237.66	8947.35	-110.09	N 177.53	W 688.53	711.05	284.46	0.42	241.86M
	9034.00	1.14	241.86	8996.34	-109.48	N 177.01	W 689.43	711.79	284.40	0.36	180.33M
	9114.00	2.04	180.33	9076.31	-107.62	N 175.21	W 690.14	712.03	284.24	2.25	174.74M
	9162.00	8.40	174.74	9124.09	-103.32	N 170.86	W 689.82	710.67	283.91	13.28	0.33L
	9209.00	14.35	174.80	9170.14	-94.22	N 161.63	W 688.96	707.66	283.20	12.66	8.53R
	9256.00	19.61	176.94	9215.08	-80.89	N 147.95	W 687.99	703.72	282.14	11.28	6.28R
	9303.00	25.60	178.46	9258.45	-62.80	N 129.91	W 687.29	699.46	280.70	12.80	3.31R
	9351.00	31.37	179.10	9300.62	-40.08	N 107.03	W 686.62	695.11	278.86	12.04	13.85R
	9398.00	37.68	181.63	9339.33	-13.56	N 80.41	W 687.04	691.73	276.68	13.77	7.42R
	9445.00	44.54	182.90	9374.72	17.27	N 49.55	W 688.28	690.06	274.12	14.70	0.36R
	9492.00	50.75	182.95	9406.37	51.95	N 14.88	W 690.05	690.21	271.24	13.21	22.52R
	9540.00	53.88	184.55	9435.71	89.91	S 23.01	W 692.55	692.93	268.10	7.03	14.78L
	9587.00	58.31	183.18	9461.92	128.89	S 61.92	W 695.16	697.92	264.91	9.73	5.09L
	9635.00	63.65	182.65	9485.20	170.80	S 103.83	W 697.29	704.98	261.53	11.17	1.63L
	9682.00	67.22	182.54	9504.73	213.49	S 146.52	W 699.23	714.41	258.16	7.60	8.46R
	9729.00	71.76	183.25	9521.20	257.45	S 190.48	W 701.45	726.85	254.81	9.76	10.1R
	9776.00	76.07	184.04	9534.22	302.57	S 235.53	W 704.33	742.67	251.51	9.31	7.38R
	9824.00	79.18	184.45	9544.50	349.44	S 282.28	W 707.80	762.01	248.26	6.53	16.97L
	9884.00	83.98	182.98	9553.28	408.74	S 341.49	W 711.64	789.33	244.37	8.36	29.79L
	10002.00	89.48	179.84	9560.01	526.18	S 459.21	W 714.53	849.36	237.27	5.36	96.33R
	10096.00	89.17	182.64	9561.12	619.90	S 553.17	W 716.56	905.24	232.33	3.00	103.56R
	10191.00	88.90	183.76	9562.72	714.80	S 648.00	W 721.86	970.05	228.09	1.21	91.12L
	10286.00	88.87	182.21	9564.57	809.69	S 742.86	W 726.81	1039.27	224.37	1.63	20.27R
	10380.00	89.52	182.45	9565.89	903.53	S 836.77	W 730.63	1110.86	221.13	0.74	124.45L
	10475.00	89.04	181.75	9567.09	998.35	S 931.70	W 734.11	1186.16	218.24	0.89	59.68L
	10569.00	89.90	180.28	9567.95	1092.05	S 1025.67	W 735.78	1262.29	215.65	1.81	70.5R
	10664.00	90.07	180.76	9567.98	1186.68	S 1120.67	W 736.64	1341.09	213.32	0.54	104.53L
	10759.00	90.00	180.49	9567.92	1281.33	S 1215.66	W 737.67	1421.97	211.25	0.29	107.53L
	10853.00	89.76	179.73	9568.12	1374.90	S 1309.66	W 737.85	1503.21	209.40	0.85	90R
	10948.00	89.76	180.43	9568.52	1469.47	S 1404.66	W 737.99	1586.72	207.72	0.74	101.79L
	11042.00	89.52	179.28	9569.11	1563.00	S 1498.66	W 737.75	1670.40	206.21	1.25	92.8L
	11137.00	89.48	178.46	9569.94	1657.35	S 1593.63	W 735.88	1755.33	204.79	0.86	7.25R
	11231.00	90.58	178.60	9569.89	1750.65	S 1687.60	W 733.46	1840.10	203.49	1.18	109.71R
	11326.00	90.34	179.27	9569.12	1845.01	S 1782.58	W 731.70	1926.91	202.32	0.75	122.73L
	11420.00	89.62	178.15	9569.16	1938.34	S 1876.56	W 729.58	2013.39	201.25	1.42	46.07R
	11515.00	90.41	178.97	9569.13	2032.63	S 1971.52	W 727.20	2101.36	200.25	1.20	105.52R
	11610.00	90.31	179.33	9568.54	2127.04	S 2066.51	W 725.79	2190.26	199.35	0.39	90L
	11704.00	90.31	178.80	9568.03	2220.43	S 2160.50	W 724.25	2278.66	198.53	0.56	110.85R
	11799.00	90.07	179.43	9567.71	2314.83	S 2255.48	W 722.78	2368.47	197.77	0.71	71.56L
	11893.00	90.10	179.34	9567.57	2408.29	S 2349.48	W 721.78	2457.85	197.08	0.10	106.61L
	11988.00	89.93	178.77	9567.55	2502.68	S 2444.47	W 720.21	2548.36	196.42	0.63	126.87R
	12082.00	89.48	179.37	9568.03	2596.07	S 2538.45	W 718.68	2638.23	195.81	0.80	48.82L
	12177.00	89.97	178.81	9568.49	2690.47	S 2633.44	W 717.17	2729.35	195.23	0.78	170.68L
	12271.00	88.69	178.60	9569.59	2783.79	S 2727.41	W 715.05	2819.58	194.69	1.38	38.67R
	12366.00	90.69	180.20	9570.10	2878.23	S 2822.39	W 714.06	2911.32	194.20	2.70	152.35L
	12460.00	90.46	180.09	9569.14	2971.81	S 2916.39	W 714.29	3002.59	193.76	0.25	62.14L
	12555.00	91.13	178.86	9567.81	3066.27	S 3011.37	W 713.42	3094.72	193.33	1.46	69.86R
	12649.00	91.24	179.16	9565.86	3159.63	S 3105.34	W 711.80	3185.87	192.91	0.34	171.13L
	12744.00	89.83	178.94	9564.97	3254.02	S 3200.32	W 710.22	3278.18	192.51	1.50	46.56R
	12838.00	90.72	179.88	9564.52	3347.47	S 3294.31	W 709.26	3369.79	192.15	1.38	146.41L
	12933.00	89.35	178.97	9564.47	3441.93	S 3389.30	W 708.30	3462.52	191.80	1.73	12.24R
	13027.00	91.24	179.38	9563.98	3535.34	S 3483.28	W 706.95	3554.30	191.47	2.06	173.13R
	13122.00	90.41	179.48	9562.61	3629.79	S 3578.27	W 706.00	3647.25	191.16	0.88	86.35R
	13216.00	90.55	181.68	9561.83	3723.43	S 3672.25	W 706.96	3739.68	190.90	2.35	146.31R
	13311.00	89.59	182.32	9561.71	3818.24	S 3767.20	W 710.27	3833.57	190.68	1.21	98.47L
	13406.00	89.52	181.85	9562.45	3913.06	S 3862.13	W 713.73	3927.52	190.47	0.50	141.34L
	13500.00	89.42	181.77	9563.32	4006.86	S 3956.08	W 716.70	4020.47	190.27	0.14	16.21R
	13595.00	90.28	182.02	9563.57	4101.66	S 4051.03	W 719.84	4114.46	190.08	0.94	24.77R
	13689.00	90.93	182.32	9562.57	4195.50	S 4144.95	W 723.40	4207.60	189.90	0.76	33.38L
	13784.00	91.37	182.03	9560.67	4290.31	S 4239.86	W 727.00	4301.74	189.73	0.55	58.29L
	13878.00	91.58	181.69	9558.25	4384.08	S 4333.78	W 730.05	4394.84	189.56	0.43	142.87L
	13973.00	89.07	179.79								

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (N/S ft)	EW (E/W ft)	Closure (ft)	Closure Azimuth (°)	DLS (°/100ft)	TF (°)
	14636.00	89.59	178.09	9555.80	5137.44	S 5091.55	W 721.17	5142.37	188.06	1.34	51.03R
	14730.00	90.86	179.66	9555.43	5230.80	S 5185.53	W 719.33	5235.18	187.90	2.15	163.79R
	14825.00	89.45	180.07	9555.17	5325.33	S 5280.53	W 719.10	5329.26	187.75	1.55	4.69R
	14920.00	90.79	180.18	9554.98	5419.90	S 5375.52	W 719.31	5423.44	187.62	1.42	166.41L
	15014.00	89.59	179.89	9554.66	5513.46	S 5469.52	W 719.37	5516.62	187.49	1.31	11.65R
	15109.00	91.82	180.35	9553.50	5608.02	S 5564.51	W 719.57	5610.84	187.37	2.40	160.58L
	15203.00	89.55	179.55	9552.37	5701.56	S 5658.49	W 719.48	5704.05	187.25	2.56	48.88R
	15298.00	91.13	181.36	9551.81	5796.17	S 5753.48	W 720.24	5798.39	187.14	2.53	138.67L
	15393.00	90.55	180.85	9550.42	5890.88	S 5848.45	W 722.07	5892.86	187.04	0.81	132.71L
	15487.00	89.59	179.81	9550.30	5984.48	S 5942.45	W 722.61	5986.22	186.93	1.51	31.61R
	15582.00	90.76	180.53	9550.01	6079.06	S 6037.45	W 722.89	6080.57	186.83	1.45	169.92L
	15676.00	90.31	180.45	9549.13	6172.69	S 6131.44	W 723.70	6174.00	186.73	0.49	35.06L
	15771.00	91.82	179.39	9547.37	6267.21	S 6226.42	W 723.57	6268.32	186.63	1.94	52.1L
	15865.00	92.03	179.12	9544.21	6360.59	S 6320.36	W 722.34	6361.50	186.52	0.36	173.2R
	15959.00	90.52	179.30	9542.12	6453.99	S 6414.32	W 721.05	6454.72	186.41	1.62	96.47R
	16054.00	90.41	180.27	9541.35	6548.51	S 6509.32	W 720.69	6549.09	186.32	1.03	176.19L
	16148.00	88.76	180.16	9542.03	6642.09	S 6603.31	W 721.04	6642.56	186.23	1.76	166.41R
	16243.00	88.14	180.31	9544.60	6736.65	S 6698.27	W 721.43	6737.01	186.15	0.67	132.98L
	16337.00	87.87	180.02	9547.87	6830.18	S 6792.22	W 721.70	6830.45	186.07	0.42	32.74R
	16432.00	89.55	181.10	9550.01	6924.79	S 6887.18	W 722.63	6924.99	185.99	2.10	8.62R
	16526.00	90.21	181.20	9550.21	7018.51	S 6981.16	W 724.52	7018.66	185.93	0.71	6.15R
	16621.00	91.51	181.34	9548.78	7113.23	S 7076.13	W 726.62	7113.34	185.86	1.38	111.07L
	16715.00	91.14	180.38	9546.61	7206.89	S 7170.09	W 728.04	7206.96	185.80	1.09	146.22L
	16810.00	89.66	179.39	9545.94	7301.42	S 7265.08	W 727.84	7301.45	185.72	1.87	16.21R
	16890.00	92.17	180.12	9544.66	7380.99	S 7345.07	W 727.50	7381.01	185.66	3.27	HS
Proj. to TD	16932.00	92.17	180.12	9543.07	7422.78	S 7387.04	W 727.59	7422.78	185.63	0.00	

Survey Type: Non-Def Survey

Survey Error Model: ISCWSA Rev 0 *** 3-D 95.000% Confidence 2.7955 sigma

Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	1	0.000	28.000	1/98.425	30.000	30.000	NAL_MWD_1.0_DEG-Depth Only	Foreigner 33_4 WOLM Fee No. 2H. / Mewbourne Foreigner 33_4 WOLM Fee No. 2H MWD 0ft to Foreigner 33_4 WOLM Fee No.
	1	28.000	28.000	Act Stns	30.000	30.000	NAL_MWD_1.0_DEG-Depth Only	2H. / Mewbourne Foreigner 33_4 WOLM Fee No. 2H MWD 0ft to Foreigner 33_4 WOLM Fee No.
	1	28.000	16932.000	Act Stns	30.000	30.000	NAL_MWD_1.0_DEG	Foreigner 33_4 WOLM Fee No. 2H. / Mewbourne Foreigner 33_4

Oilfield Services, Central U.S. Land
Schlumberger Drilling and Measurements
Drilling Group
Geo Market Area: South West Texas Basin
7220 W I-H 20
Midland, Texas 79706
Phone : (432) 742-5400 (Main)
Fax : (432) 742-5606 (Shared)



January 27, 2020

Mewbourne Oil Co
P.O. Box 5270
Hobbs, NM 88241

S33, T23S, R28E Eddy, NM
N 32.260972 W -104.0973453

Re:

CLIENT: Mewbourne Oil Co
WELL: Foreigner 33 4 W0LM Fee 2H
FIELD: Purple Sage; Wolfcamp (GAS)

RIG: Patterson 574
COUNTY: Eddy
API NO: 30-015-46363
JOB NO: 19MLE0415

Enclosed, please find the original copy of the survey performed on the referenced well by Drilling & Measurements, a division of Schlumberger Technology Corporation (P-5 No. 754900).

Other information required by your office is as follows.

<u>Name & Title of Surveyor</u>	<u>Drainhole Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Michael Agwu FE	Foreigner 33 4 W0LM Fee 2H Original Hole	616.00 Ft 16890.00 Ft	January 3, 2020 to January 16, 2020	TelePacer SlimPulse

Drilling Group

Geo Market Area: South West Texas Basin

7220 W I-H 20

Midland, Texas 79706

Phone : (432) 742-5400 (Main)

Fax : (432) 742-5606 (Shared)

Well Reference:

S33, T23S, R28E Eddy, NM

N 32.260972 W -104.0973453

I, Michael Agwu certify that; I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of January 03, 2020 through January 16, 2020, conduct or supervise the taking of the TelePacer & SlimPulse surveys from a depth of 616.00 feet to a depth of 16890.00 feet referenced to driller's depth; that the data is true, correct, complete and within the limitations of the tool as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I am authorized and qualified to make this report; that this survey was conducted at the request of Mewbourne Oil Co for the Foreigner 33 4 WOLM Fee 2H Well (Original Hole) API No. 30-015-46363 in New Mexico; and that I have reviewed this report and find that it conforms to the principals and procedures as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation.

By
Michael Agwu
FE

Subscribed and Sworn to before me this 27 day of January (month) 2020 (yr)

My Commission expires:

6/14/23

(signature)

Notary Public

(County State)

