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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

NMOCD - REC'D 11/06/2020

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 30-015-46364		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 3H	
7 GRID 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 1150	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 1320	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.

S 89°23'33" W 5337.85' 16 GEODETIC DATA NAD 83 GRID - NM EAST SURFACE LOCATION N: 458755.1 - E: 614313.1 LAT: 32.2609721° N LONG: 104.0972484° W 1150' 2450' S.L. S 89°51'31" W 2647.04' S 89°46'56" W 2646.90' GEODETIC DATA NAD 83 GRID - NM EAST BOTTOM HOLE N: 451388.0 - E: 614465.9 LAT: 32.2407202° N LONG: 104.0968063° W 1300' 330' B.H. S 89°28'59" W 5214.21'		CORNER DATA NAD 83 GRID - NM EAST A: FOUND YELLOW PLASTIC CAP "ILLEGIBLE" N: 451046.4 - E: 613167.1 B: FOUND YELLOW PLASTIC CAP "ILLEGIBLE" N: 453669.6 - E: 613160.5 C: FOUND YELLOW PLASTIC CAP "ILLEGIBLE" N: 456301.5 - E: 613156.1 D: FOUND COTTON SPINDLE N: 458943.1 - E: 613163.6 E: FOUND 100D NAIL N: 461569.8 - E: 613183.9 F: FOUND 1/2" REBAR N: 461626.4 - E: 618520.2 G: FOUND 1/2" REBAR N: 458970.7 - E: 618484.3 H: FOUND BRASS CAP "1942" N: 456318.1 - E: 618448.9 I: FOUND BRASS CAP "1942" N: 453708.1 - E: 618414.1 J: FOUND 1/2" REBAR N: 451093.4 - E: 618379.9 K: FOUND BRASS CAP "1912" N: 456311.6 - E: 615802.4	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>10/20/2020</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. 9-20-2019 Date of Survey Signature and Seal of Professional Surveyor: <u>Robert M. Howett</u> 19680 Certificate Number
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Job No: LS19090917

Intent ☐ As Drilled ☒

API # 30-015-46364			
Operator Name: Mewbourne Oil Company		Property Name: Foreigner 33/4 W0LM Fee	Well Number 3H

Kick Off Point (KOP)

UL	Section 33	Township 23S	Range 28E	Lot	Feet 2629	From N/S S	Feet 1310	From E/W W	County Eddy
Latitude 32.2614644					Longitude -104.0967287				NAD 83

First Take Point (FTP)

UL	Section 33	Township 23S	Range 28E	Lot	Feet 2155	From N/S S	Feet 1310	From E/W W	County Eddy
Latitude 32.2601658					Longitude -104.0967337				NAD 83

Last Take Point (LTP)

UL M	Section 4	Township 24S	Range 28E	Lot	Feet 372	From N/S S	Feet 1320	From E/W W	County Eddy
Latitude 32.2408340					Longitude -104.0967343				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 # 30-015-43444			
Operator Name: Mewbourne Oil Co.		Property Name: Foreigner 33/4 W2LM Fee	Well Number 1H

KZ 06/29/2018

Borehole:
Foreigner 33_4 WOLM Fee No. 3H

Well:

Foreigner 33_4 WOLM Fee No. 3H

Field:

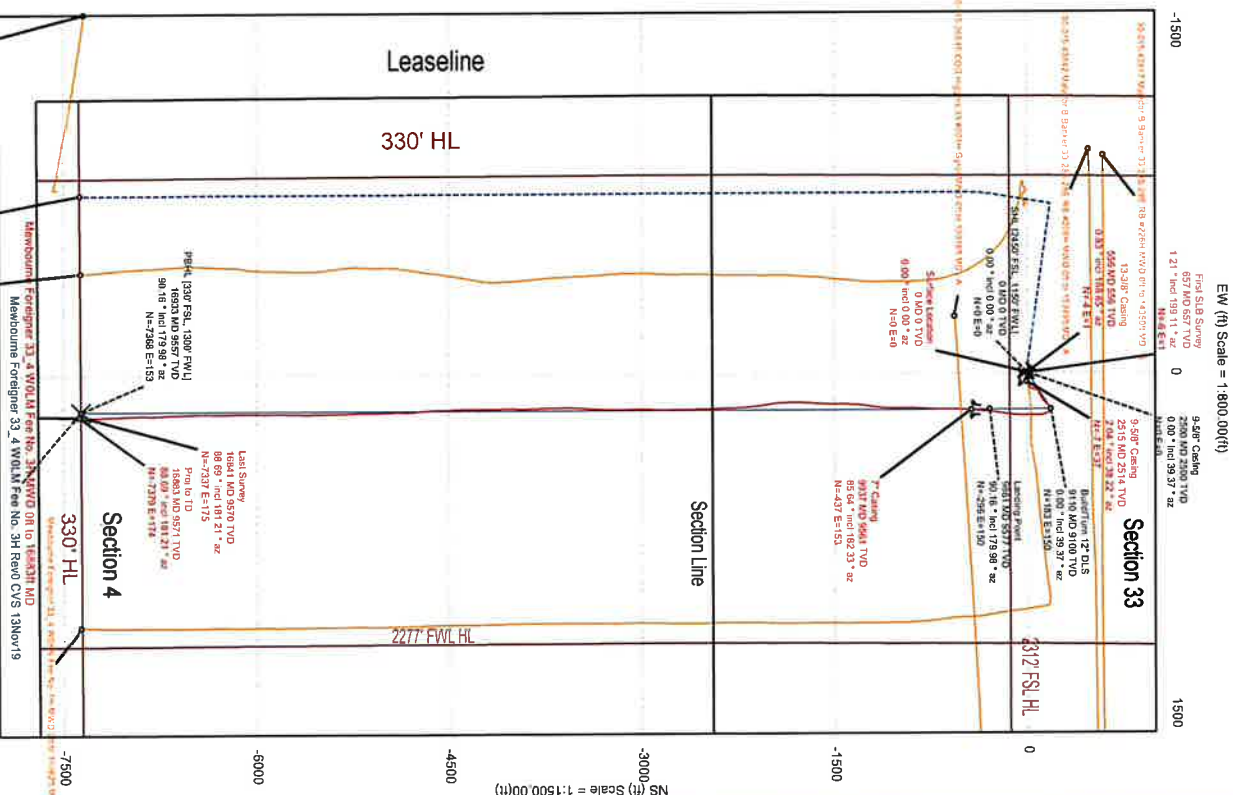
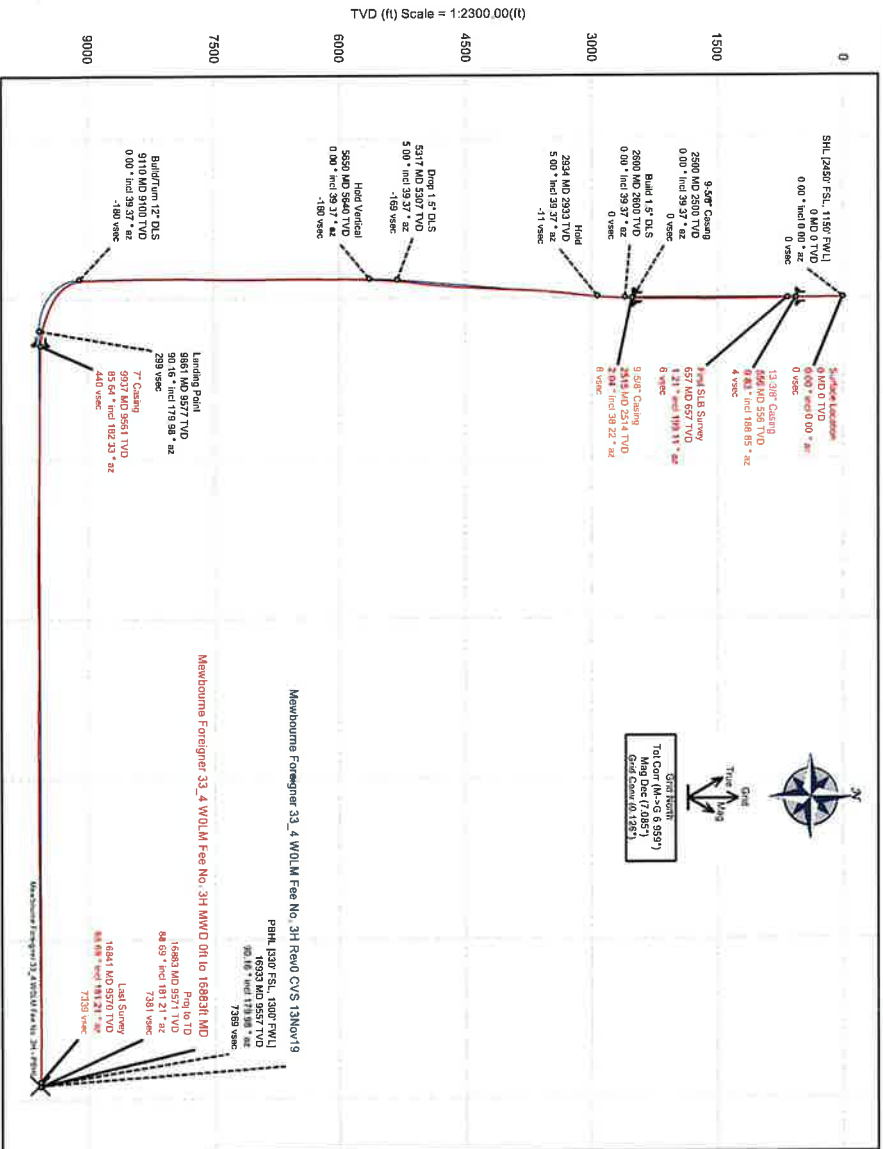
NIM Eddy County (NAD 83)

Structure:

Mewbourne Foreigner 33_4 WOLM Fee No. 3H

Gravity & Magnetic Parameters	Well	Surface Location	NAD83 New Mexico State Plane, Eastern Zone, US Feet	Grid Conv:	Scale Fact:
Model: HOGM 2019	Dip: 59.967°	Date: 12-Dec-2019	Lat: N 32 15 39.50	Northings: 456755.7115	
Magnetic: 7.085°	FS: 47334.7891T	Gravity: FS: 980.455mpa (3.8665 Gauss)	Lon: W 104 5 50.09	Eastings: 614313.1105	

Critical Point	MD	INCL	AZIM	TVD	VSIC	N(+)/S(-)	E(+)/W(-)	DLS
SHL [2450 FSL, 1150 FWL]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
9-5/8" Casing	2500.00	0.00	39.37	2500.00	0.00	0.00	0.00	
Build 1.5° DLS	2600.00	0.00	39.37	2600.00	0.00	0.00	0.00	
Hold	2933.55	5.00	39.37	2933.12	-11.06	11.25	9.23	1.50
Drop 1.5° DLS	5316.50	5.00	39.37	5307.00	-168.94	171.90	141.07	0.00
Hold Vertical	5650.05	0.00	39.37	5640.12	-179.99	183.15	150.30	1.50
Build/turn 12° DLS	9109.55	0.00	39.37	9099.62	-179.99	183.15	150.30	0.00
Landing Point	9860.78	90.16	179.98	9577.00	298.65	-295.59	150.46	12.00
PBHL [330 FSL, 1300 FWL]	16932.95	90.16	179.98	9557.00	7369.32	-7367.74	152.81	0.00



Mewbourne Foreigner 33_4 WOLM Fee No. 3H MWD Off to 16883ft MD

Survey Geodetic Report

(Def Survey)



Report Date: January 28, 2020 - 12:22 PM
Client: Mewbourne Oil Company
Field: NM Eddy County (NAD 83)
Structure / Slot: Mewbourne Foreigner 33_4 WOLM Fee No. 3H / New Slot
Well: Foreigner 33_4 WOLM Fee No. 3H
Borehole: Foreigner 33_4 WOLM Fee No. 3H
UWI / APW: Unknown / Unknown
Survey Name: Mewbourne Foreigner 33_4 WOLM Fee No. 3H MWD Off to 16883ft MD
Survey Date: December 12, 2019
Tort / AHD / DDI / ERD Ratio: 273.906 ° / 7885.695 ft / 6.580 / 0.822
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 15' 39.49998", W 104° 5' 50.09371"
Location Grid N/E Y/X: N 458755.100 ftUS, E 614313.100 ftUS
CRS Grid Convergence Angle: 0.1260 °
Grid Scale Factor: 0.99991519
Version / Patch: 2.10.794.0

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 178.812 ° (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: 7.085 °
Total Gravity Field Strength: 998.4646mgn (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 47834.769 nT
Magnetic Dip Angle: 59.967 °
Declination Date: December 12, 2019
Magnetic Declination Model: HDGM 2019
North Reference: Grid North
Grid Convergence Used: 0.1260 °
Total Corr Mag North→Grid: 6.9592 °
North:
Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (°)	DLS (°/100ft)	TF (°)
Surface	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	172.86M
Location	100.00	0.69	172.86	100.00	0.60	-0.60	0.07	0.60	172.86	0.69	165.49M
	200.00	0.52	165.49	199.99	1.64	-1.63	0.26	1.66	170.84	0.19	124.54M
	300.00	0.44	124.54	299.99	2.31	-2.29	0.69	2.39	163.16	0.34	126.28M
	400.00	0.37	126.28	399.99	2.73	-2.70	1.27	2.98	154.81	0.07	173.97M
	485.00	0.59	173.97	484.98	3.33	-3.30	1.54	3.64	155.01	0.51	188.85M
	556.00	0.83	188.85	555.98	4.20	-4.17	1.50	4.43	160.24	0.42	199.11M
13-3/8" Casing											
First SLB	657.00	1.21	199.11	656.96	5.91	-5.89	1.04	5.98	170.03	0.42	190.85M
Survey	749.00	1.09	190.85	748.94	7.68	-7.67	0.55	7.69	175.88	0.22	161.69M
	843.00	0.34	161.69	842.94	8.82	-8.81	0.47	8.83	176.93	0.86	174.83M
	938.00	0.92	174.83	937.93	9.85	-9.84	0.63	9.86	176.34	0.63	159.35M
	1032.00	0.36	159.35	1031.92	10.88	-10.87	0.80	10.90	175.78	0.62	143.58M
	1126.00	0.80	143.58	1125.92	11.70	-11.67	1.30	11.75	173.67	0.49	132.65M
	1316.00	0.39	132.65	1315.91	13.23	-13.18	2.56	13.43	169.01	0.22	152.83M
	1505.00	0.30	152.83	1504.90	14.12	-14.06	3.26	14.43	166.95	0.08	77.11M
	1694.00	1.33	77.11	1693.89	14.12	-14.01	5.62	15.09	158.13	0.68	79.95M
	1788.00	2.06	79.95	1787.84	13.64	-13.47	8.35	15.85	148.21	0.78	77.77M
	1882.00	2.47	77.77	1881.77	12.99	-12.74	11.99	17.50	136.74	0.45	88.13M
	1977.00	2.70	88.13	1976.67	12.57	-12.24	16.23	20.33	127.02	0.55	86.64M
	2072.00	2.42	86.64	2071.58	12.47	-12.05	20.47	23.75	120.48	0.30	78.76M
	2166.00	2.75	78.76	2165.48	12.00	-11.49	24.66	27.21	114.98	0.52	87.12M
	2261.00	2.70	87.12	2260.38	11.54	-10.93	29.13	31.11	110.57	0.42	76.74M
	2355.00	1.69	76.74	2354.31	11.18	-10.51	32.69	34.34	107.81	1.15	40.6M
	2467.00	2.21	40.60	2466.25	9.23	-8.49	35.70	36.70	103.37	1.17	38.22M
9-5/8" Casing	2515.00	2.04	38.22	2514.21	7.88	-7.11	36.83	37.51	100.93	0.40	30.93M
	2625.00	1.66	30.93	2624.16	5.02	-4.21	38.86	39.09	96.18	0.40	31.6M
	2671.00	1.58	31.60	2670.14	3.92	-3.10	39.54	39.66	94.48	0.18	45.19M
	2766.00	2.71	45.19	2765.07	1.27	-0.40	41.82	41.82	90.55	1.30	41.07M
	2860.00	5.09	41.07	2858.85	-3.35	4.31	46.13	46.33	84.66	2.55	42.03M
	2954.00	5.57	42.03	2952.44	-9.76	10.84	51.93	53.05	78.21	0.52	40.88M
	3048.00	5.77	40.88	3045.98	-16.60	17.80	58.07	60.74	72.96	0.24	20.71M
	3142.00	5.71	20.71	3139.52	-24.44	25.75	62.82	67.89	67.71	2.14	18.27M
	3236.00	6.08	18.27	3233.02	-33.48	34.85	66.04	74.67	62.18	0.48	7.97M
	3330.00	4.50	7.97	3326.62	-41.81	43.23	68.11	80.67	57.59	1.95	359M
	3424.00	4.28	359.00	3420.34	-48.96	50.39	68.56	85.08	53.68	0.77	7.64M
	3519.00	3.27	7.64	3515.14	-55.18	56.62	68.86	89.15	50.57	1.22	12.69M
	3614.00	3.04	12.69	3609.99	-60.30	61.76	69.77	93.18	48.48	0.38	9.85M
	3709.00	2.87	9.85	3704.87	-65.08	66.56	70.73	97.13	46.74	0.24	10.73M
	3803.00	2.67	10.73	3798.76	-69.54	71.03	71.54	100.82	45.20	0.22	7.5M
	3898.00	2.58	7.50	3893.66	-73.81	75.33	72.23	104.36	43.80	0.18	4.27M
	3992.00	2.32	4.27	3987.57	-77.80	79.32	72.65	107.56	42.49	0.31	41.96M
	4087.00	1.49	41.96	4082.52	-80.62	82.16	73.62	110.32	41.86	1.54	50.89M
	4181.00	3.27	50.89	4176.44	-83.16	84.76	76.52	114.19	42.07	1.93	50.78M
	4275.00	3.81	50.78	4270.26	-86.73	88.43	81.02	119.93	42.50	0.57	50.83M
	4370.00	3.78	50.83	4365.05	-90.60	92.40	85.89	126.15	42.91	0.03	50.32M
	4464.00	3.63	50.32	4458.85	-94.36	96.26	90.58	132.17	43.26	0.16	44.32M
	4559.00	4.99	44.32	4553.58	-99.13	101.13	95.78	139.29	43.44	1.51	43.08M
	4653.00	5.66	43.08	4647.18	-105.31	107.44	101.80	148.01	43.46	0.72	41.8M
	4747.00	5.20	41.80	4740.75	-111.74	114.00	107.81	156.91	43.40	0.51	39.27M
	4841.00	4.72	39.27	4834.40	-117.80	120.17	113.10	165.02	43.26	0.56	30.48M
	4935.00	5.44	30.48	4928.03	-124.54	127.01	117.81	173.23	42.85	1.13	27.87M
	5029.00	5.91	27.87	5021.57	-132.56	135.13	122.33	182.27	42.15	0.57	25.63M
	5124.00	5.68	25.63	5116.09	-141.03	143.69	126.65	191.54	41.39	0.34	24.12M
	5219.00	5.55	24.12	5210.63	-149.38	152.12	130.56	200.46	40.64	0.21	20.17M
	5312.00	4.49	20.17	5303.27	-156.84	159.64	133.65	208.20	39.94	1.20	29.11M
	5407.00	3.44	29.11	5398.05	-162.76	165.62	136.32	214.51	39.46	1.28	43.73M
	5501.00	2.83	43.73	5491.91	-166.84	169.76	139.30	219.60	39.37	1.06	36.65M
	5596.00	2.51	36.65	5586.80	-170.14	173.13	142.16	224.01	39.39	0.48	38.88M
	5690.00	2.34	38.88	5680.72	-173.24	176.27	144.59	227.99	39.36	0.21	35.86M
	5785.00	2.26	35.86	5775.64	-176.22	179.30	146.91	231.80	39.33	0.15	62.44M
	5879.00	1.30	62.44	5869.60	-178.17	181.30	148.94	234.63	39.40	1.32	105M
	5974.00	1.20	105.00	5964.58	-178.37	181.54	150.85	236.04	39.73	0.96	81.68M
	6069.00	0.22	81.68	6059.57	-178.12	181.31	152.00	236.59	39.97	1.05	270.46M
	6163.00	0.35	270.46	6153.57	-178.15	181.33	151.89	236.54	39.95	0.80	336.8M
	6258.00	0.34	336.80	6248.57	-178.42	181.60	151.49	236.49	39.83	0.40	333.27M
	6352.00	0.33	333.27	6342.57	-178.92	182.09	151.25	236.72	39.71	0.02	11.06M
	6447.00	0.33	11.06	6437.56	-179.43	182.61	151.18	237.07	39.62	0.22	101.37M

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (°)	DLS (°/100ft)	TF (°)
	6636.00	1.57	101.37	6626.54	-179.40	182.83	153.83	238.78	40.11	0.85	102.62M
	6730.00	1.51	102.62	6720.51	-178.83	182.11	156.30	239.98	40.64	0.07	98.27M
	6824.00	1.42	98.27	6814.47	-178.34	181.67	158.66	241.20	41.13	0.15	103.16M
	6919.00	1.31	103.16	6909.45	-177.88	181.25	160.88	242.35	41.59	0.17	108.62M
	7013.00	0.96	108.62	7003.43	-177.34	180.76	162.67	243.18	41.99	0.39	102.6M
	7107.00	1.16	102.60	7097.41	-176.85	180.30	164.35	243.96	42.35	0.24	288M
	7202.00	0.40	288.00	7192.41	-176.73	180.19	164.97	244.30	42.48	1.64	273.72M
	7296.00	1.21	273.72	7286.40	-176.92	180.36	163.67	243.55	42.22	0.88	289.14M
	7391.00	1.43	289.14	7381.37	-177.42	180.81	161.55	242.47	41.78	0.44	308.72M
	7485.00	1.65	308.72	7475.34	-178.70	182.04	159.38	241.95	41.20	0.60	316.24M
	7580.00	1.23	316.24	7570.31	-180.32	183.83	157.61	242.00	40.64	0.48	322.91M
	7674.00	0.93	322.91	7664.29	-181.69	184.97	156.45	242.26	40.23	0.35	351.83M
	7769.00	0.98	351.83	7759.28	-183.12	186.39	155.87	242.98	39.91	0.50	0.37M
	7863.00	0.72	0.37	7853.27	-184.50	187.77	155.76	243.97	39.68	0.31	330.23M
	7958.00	0.11	330.23	7948.27	-185.18	188.45	155.72	244.46	39.57	0.66	264.08M
	8052.00	0.06	264.08	8042.27	-185.26	188.52	155.63	244.46	39.54	0.11	255.04M
	8147.00	0.16	255.04	8137.27	-185.22	188.48	155.45	244.32	39.51	0.11	235.2M
	8242.00	0.06	235.20	8232.27	-185.16	188.42	155.28	244.16	39.49	0.11	192.25M
	8336.00	0.30	192.25	8326.27	-184.90	188.15	155.19	243.90	39.52	0.28	176.91M
	8431.00	0.45	176.91	8421.26	-184.28	187.54	155.16	243.40	39.60	0.19	188.68M
	8525.00	0.80	188.68	8515.26	-183.26	186.52	155.08	242.57	39.74	0.39	200.4M
	8620.00	0.79	200.40	8610.25	-182.00	185.25	154.75	241.38	39.87	0.17	151.72M
	8715.00	0.89	151.72	8705.24	-180.74	183.99	154.87	240.49	40.09	0.74	126.88M
	8809.00	1.42	126.88	8799.22	-179.37	182.65	156.15	240.29	40.53	0.76	129.27M
	8904.00	1.47	129.27	8894.19	-177.85	181.17	158.03	240.41	41.10	0.08	131.04M
	9011.00	1.42	131.04	9001.16	-176.07	179.43	160.10	240.47	41.74	0.06	159.29M
	9115.00	7.09	159.29	9104.83	-169.15	172.57	163.34	237.62	43.43	5.65	169.69M
	9162.00	13.15	169.69	9151.08	-161.13	164.59	165.32	233.29	45.13	13.42	6.68L
	9209.00	20.52	167.24	9196.04	-147.76	151.28	168.10	226.15	48.02	15.75	9.95R
	9256.00	27.07	169.75	9239.02	-129.11	132.70	171.83	217.11	52.32	14.10	33.96R
	9304.00	32.85	176.68	9280.60	-105.29	108.93	174.53	205.73	58.03	14.02	23.89R
	9351.00	39.28	181.11	9318.58	-77.65	81.29	174.98	192.94	65.08	14.76	3.83L
	9398.00	45.47	180.53	9353.29	-46.01	49.64	174.54	181.46	74.13	13.20	0.4L
	9445.00	51.12	180.48	9384.54	-10.95	14.56	174.23	174.84	85.22	12.02	13.81L
	9493.00	55.49	179.18	9413.22	27.52	-23.91	174.36	175.99	97.81	9.36	21.53R
	9540.00	59.39	180.96	9438.51	67.12	-63.52	174.29	185.51	110.02	8.89	26.87R
	9588.00	62.23	182.58	9461.92	108.96	-105.40	172.99	202.57	121.35	6.61	16.12R
	9635.00	64.80	183.40	9482.88	150.91	-147.40	170.80	225.61	130.80	5.69	36.45R
	9682.00	66.80	185.00	9502.14	193.59	-190.15	167.65	253.50	138.60	5.27	4.2R
	9729.00	70.00	185.25	9519.44	237.02	-233.67	163.75	285.33	144.98	6.83	25.35L
	9777.00	74.22	183.18	9534.19	282.48	-279.21	160.40	322.01	150.12	9.70	4.79L
	9824.00	78.55	182.81	9545.25	328.03	-324.82	158.02	361.22	154.06	9.24	16.56L
	9871.00	81.11	182.04	9553.55	374.19	-371.04	156.06	402.52	157.19	5.88	33.23R
	9884.00	81.79	182.49	9555.48	387.02	-383.88	155.55	414.20	157.94	6.25	2.34L
7" Casing	9937.00	85.64	182.33	9561.28	439.59	-436.51	153.34	462.65	160.64	7.27	2.32L
	9999.00	90.14	182.15	9563.56	501.42	-498.40	150.91	520.75	163.15	7.27	113.1L
	10094.00	89.04	179.57	9564.24	596.35	-593.38	149.49	611.92	165.86	2.95	116.58R
	10188.00	88.52	180.61	9566.25	690.30	-687.35	149.34	703.39	167.74	1.24	46.94R
	10283.00	89.52	181.68	9567.87	785.21	-782.32	147.44	796.09	169.33	1.54	127.88L
	10377.00	89.38	181.50	9568.77	879.09	-876.28	144.83	888.17	170.61	0.24	98.7L
	10472.00	89.07	179.47	9570.06	974.04	-971.26	144.03	981.88	171.56	2.16	68.64R
	10567.00	89.52	180.62	9571.23	1069.01	-1066.25	143.96	1075.93	172.31	1.30	70.67R
	10661.00	90.45	183.27	9571.25	1162.86	-1160.19	140.77	1168.70	173.08	2.99	123.49R
	10756.00	89.55	184.63	9571.25	1257.47	-1254.96	134.22	1262.12	173.90	1.72	101.85L
	10850.00	89.07	182.34	9572.38	1351.15	-1348.77	128.51	1354.88	174.56	2.49	69.22L
	10945.00	89.97	179.97	9573.18	1446.06	-1443.74	126.59	1449.28	174.99	2.67	160.44R
	11039.00	88.76	180.40	9574.22	1540.02	-1537.73	126.29	1542.91	175.30	1.37	60.15R
	11134.00	89.69	182.02	9575.51	1634.93	-1632.70	124.28	1637.42	175.65	1.97	154.44L
	11228.00	89.00	181.69	9576.58	1728.79	-1726.64	121.24	1730.90	175.98	0.81	105.36L
	11323.00	88.49	179.83	9578.66	1823.70	-1821.61	119.98	1825.56	176.23	2.03	99.55L
	11417.00	88.25	178.40	9581.34	1917.66	-1915.56	121.43	1919.40	176.37	1.54	83.52L
	11512.00	88.73	174.21	9583.84	2012.52	-2010.30	127.55	2014.35	176.37	4.44	82.46R
	11607.00	89.07	176.77	9585.66	2107.33	-2104.99	135.02	2109.31	176.33	2.72	80.97R
	11701.00	89.21	177.65	9587.08	2201.28	-2198.86	139.59	2203.29	176.37	0.95	77.69R
	11796.00	89.59	179.39	9588.07	2296.27	-2293.82	142.05	2298.22	176.46	1.87	107.11L
	11891.00	89.35	178.61	9588.95	2391.27	-2388.80	143.71	2393.12	176.56	0.86	90R
	11985.00	89.35	178.70	9590.02	2485.26	-2482.77	145.91	2487.05	176.64	0.10	67.15R
	12079.00	89.86	179.91	9590.66	2579.25	-2576.76	147.05	2580.95	176.73	1.40	16.26R
	12174.00	90.58	180.12	9590.30	2674.23	-2671.76	147.03	2675.80	176.85	0.79	115.48L
	12269.00	89.76	178.40	9590.02	2769.22	-2766.74	148.25	2770.71	176.93	2.01	52.79R
	12363.00	91.68	180.93	9588.84	2863.19	-2860.72	148.80	2864.59	177.02	3.38	27.29R
	12457.00	93.17	181.70	9584.86	2957.02	-2954.61	146.65	2958.25	177.16	1.78	141.48L
	12552.00	89.66	178.91	9582.51	3051.93	-3049.56	146.15	3053.06	177.26	4.72	24.04R
	12646.00	90.31	179.20	9582.54	3145.93	-3143.54	147.70	3147.01	177.31	0.76	57.43R
	12741.00	91.44	180.97	9581.09	3240.89	-3238.53	147.56	3241.89	177.39	2.21	173.26R
	12835.00	90.17	181.12	9579.77	3334.81	-3332.50	145.84	3335.69	177.49	1.36	133.71R
	12930.00	89.52	181.80	9580.02	3429.70	-3427.47	143.42	3430.47	177.60	0.99	66.66R
	13025.00	89.93	182.75	9580.48	3524.53	-3522.39	139.65	3525.16	177.73	1.09	113.45L
	13119.00	88.18	178.71	9582.03	3618.44	-3616.35	138.45	3619.00	177.81	4.68	110R
	13214.00	87.94	179.37	9585.25	3713.38	-3711.28	140.04	3713.92	177.84	0.74	40.65L
	13308.00	88.93	178.52	9587.81	3807.35	-3805.23	141.77	3807.87	177.87	1.39	44.74R
	13403.00	90.00	179.58	9588.70	3902.34	-3900.21	143.35	3902.84	177.90	1.59	76.62R
	13497.00	90.34	181.01	9588.42	3996.31	-3994.20	142.86	3996.76	177.95	1.66	107.82L
	13592.00	89.62	178.77	9588.45	4091.28	-4089.19	143.05	4091.70	178.00	2.48	100.69R
	13686.00	89.42	179.83	9589.24	4185.27	-4183.18	144.19	4185.67	178.03	1.15	26.69R
	13781.00	91.17	180.71	9588.75	4280.24	-4278.18	143.75	4280.59	178.08	2.06	131.04L
	13876.00	89.62	178.93	9588.10	4375.21	-4373.17	144.05	4375.54	178.11	2.48	64.51L
	13970.00	90.03	178.07	9588.38	4469.21	-4467.13	146.51	4469.53	178.12	1.01	62.93R
	14065.00	90.96	179.89	9587.56	4564.20	-4562.11	148.20	4564.52	178.14	2.15	123.16L
	14159.00	89.79	178.10	9586.95	4658.19	-4656.09	149.85	4658.50	178.16	2.27	117.83L
	14254.00	88.93	176.47	9588.01	4753.15	-4750.97	154.35	4753.48	178.14	1.94	56.72R
	14349.00	91.89	180.98	9587.33	4848.11	-4845.91	156.46	4848.43	178.15	5.68	134.61L
	14443.00	89.62	178.68	9586.09	4942.08	-4939.89	156.74	4942.37	178.18	3.44	37.83R
	14538.00	91.41	180.07	9585.24	5037.06	-5034.87	157.77	5037.34			

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (°)	DLS (°/100ft)	TF (°)
	15201.00	90.48	180.63	9578.28	5699.94	-5697.79	162.71	5700.11	178.36	0.75	1.27R
	15295.00	90.93	180.64	9577.13	5793.88	-5791.78	161.67	5794.03	178.40	0.48	129.57L
	15390.00	89.93	179.43	9576.41	5888.86	-5886.77	161.61	5888.99	178.43	1.65	33.61R
	15484.00	91.96	180.78	9574.86	5982.81	-5980.75	161.44	5982.93	178.45	2.59	158.33L
	15579.00	90.45	180.18	9572.87	6077.75	-6075.72	160.64	6077.85	178.49	1.71	130.12L
	15673.00	89.11	178.59	9573.23	6171.74	-6169.71	161.65	6171.83	178.50	2.21	44.31R
	15768.00	90.79	180.23	9573.31	6266.73	-6264.70	162.63	6266.81	178.51	2.47	30.2R
	15862.00	91.58	180.69	9571.37	6360.67	-6358.68	161.87	6360.74	178.54	0.97	72.33L
	15957.00	91.93	179.59	9568.46	6455.59	-6453.63	161.64	6455.65	178.57	1.21	128.1L
	16051.00	91.13	178.57	9565.95	6549.56	-6547.58	163.15	6549.61	178.57	1.38	150.64R
	16146.00	90.17	179.11	9564.87	6644.55	-6642.56	165.07	6644.61	178.58	1.16	143.79L
	16240.00	88.90	178.18	9565.63	6738.54	-6736.52	167.30	6738.60	178.58	1.67	35.24R
	16335.00	92.24	180.54	9564.69	6833.51	-6831.49	168.36	6833.57	178.59	4.30	164.75L
	16429.00	88.90	179.63	9563.75	6927.47	-6925.47	168.22	6927.52	178.61	3.68	79.87L
	16524.00	89.17	178.12	9565.35	7022.46	-7020.44	170.08	7022.50	178.61	1.61	73.31R
	16618.00	89.59	179.52	9566.37	7116.45	-7114.41	172.02	7116.49	178.61	1.55	126.33L
	16712.00	88.73	178.35	9567.75	7210.43	-7208.38	173.77	7210.48	178.62	1.54	66.89R
	16807.00	89.52	180.20	9569.20	7305.42	-7303.36	174.97	7305.45	178.63	2.12	129.42R
Last Survey	16841.00	88.69	181.21	9569.73	7339.39	-7337.35	174.55	7339.43	178.64	3.84	HS
Proj to TD	16883.00	88.69	181.21	9570.69	7381.34	-7379.33	173.66	7381.37	178.65	0.00	

Survey Type: 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	17.500	13.375	NAL_NSG+MSHOT-Depth Only	Foreigner 33_4 WOLM Fee No. 3H / Mewbourne Foreigner 33_4 WOLM Fee No. 3H MWD Off to Foreigner 33_4 WOLM Fee No.
	1	28.000	28.000	Act Stns	17.500	13.375	NAL_NSG+MSHOT-Depth Only	3H / Mewbourne Foreigner 33_4 WOLM Fee No. 3H MWD Off to Foreigner 33_4 WOLM Fee No.
	1	28.000	558.000	Act Stns	17.500	13.375	NAL_NSG+MSHOT	3H / Mewbourne Foreigner 33_4 Foreigner 33_4 WOLM Fee No.
	1	558.000	2515.000	Act Stns	12.250	9.625	NAL_MWD_1.0_DEG	3H / Mewbourne Foreigner 33_4 Foreigner 33_4 WOLM Fee No.
	1	2515.000	9937.000	Act Stns	8.750	7.000	NAL_MWD_1.0_DEG	3H / Mewbourne Foreigner 33_4 Foreigner 33_4 WOLM Fee No.
	1	9937.000	16883.000	Act Stns	6.125	4.500	NAL_MWD_1.0_DEG	3H / 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)



February 13, 2020

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

Re:

S33, T23S, R28E Eddy, NM
N 32.2609721 W -104.0972484

CLIENT: Mewbourne Oil Co
WELL: Foreigner 33 4 W0LM Fee 3H
FIELD: Purple Sage; Wolfcamp (GAS)

RIG: Scan Oak
COUNTY: Eddy
API NO: 30-015-46364
JOB NO: 20MLG0003

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 3H Original Hole	657.00 Ft 16841.00 Ft	December 16, 2019 to December 28, 2019	TelePacer SlimPulse

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)

Schlumberger

Well Reference:

S33, T23S, R28E Eddy, NM
N 32.2609721 W -104.0972484

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 December 16, 2019 through December 28, 2019, conduct or supervise the taking of the TelePacer & SlimPulse surveys from a depth of 657.00 feet to a depth of 16841.00 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 W0LM Fee 3H Well (Original Hole) API No. 30-015-46364 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

MAgwu

Subscribed and Sworn to before me this 13 day of February (month) 2020 (yr)

My Commission expires:

6/14/23

Jean-Paul Langlois

(signature)

Notary Public

Comanche, Oklahoma

(County State)

