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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

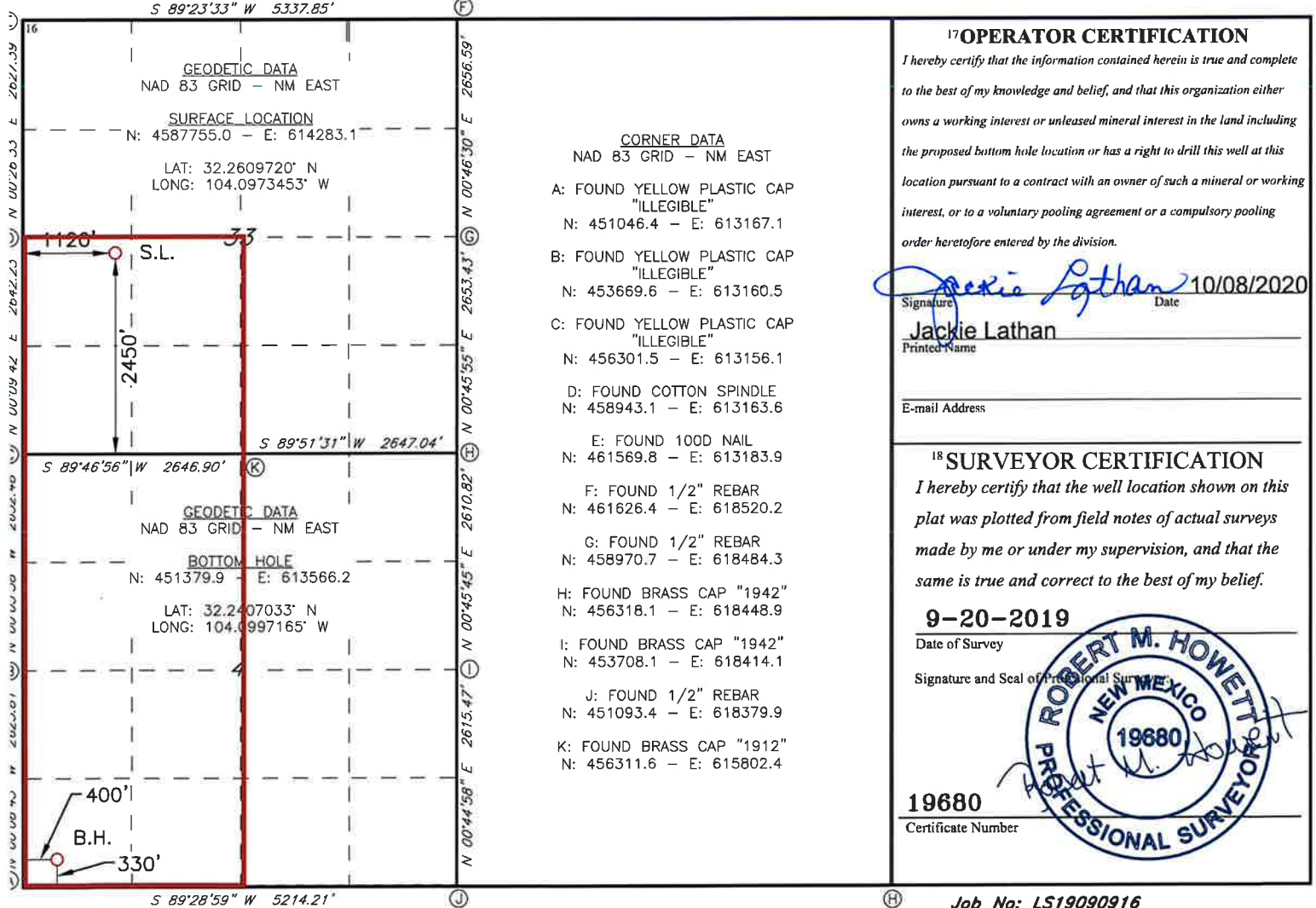
Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☒ AMENDED REPORT
As Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-015-46363		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 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 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.



Intent ☐ As Drilled ☒

API #
30-015-46363

Operator Name: Mewbourne Oil Company	Property Name: Foreigner 33/4 W0LM Fee	Well Number 2H
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Kick Off Point (KOP)

UL L	Section 33	Township 23S	Range 28E	Lot	Feet 2625	From N/S S	Feet 430	From E/W W	County Eddy
Latitude 32.2614579					Longitude -104.0995766			NAD 83	

First Take Point (FTP)

UL L	Section 33	Township 23S	Range 28E	Lot	Feet 2204	From N/S S	Feet 416	From E/W W	County Eddy
Latitude 32.2603029					Longitude -104.0996268			NAD 83	

Last Take Point (LTP)

UL M	Section 4	Township 23S	Range 28E	Lot	Feet 372	From N/S S	Feet 389	From E/W W	County Eddy
Latitude 32.2408187					Longitude -104.0997508			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 #
30-015-43494

Operator Name: Mewbourne Oil Co	Property Name: Foreigner 33/4 W2LM Fee	Well Number 1H
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KZ 06/29/2018

Mewbourne Foreigner 33_4 WOLM Fee No. 2H MWD 0ft 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 0ft 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 459755.000 ftUS, E 614283.100 ftUS
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	285.28M
	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	456.64	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 460.84	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	272.86M
	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	-106.67	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	174.60	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	-80.69	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	-40.06	N 107.03	W 686.82	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 716.58	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	191.32	2.70	152.35L
	12460.00	90.48	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	4114.48	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	9557.71	4478.74	S 4428.					

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. 2H. / Mewbourne Foreigner 33_4 WOLM Fee No. 2H MWD 0ft to Foreigner 33_4 WOLM Fee No. 2H. / Mewbourne Foreigner 33_4 WOLM Fee No. 2H MWD 0ft to Foreigner 33_4 WOLM Fee No. 2H. / Mewbourne Foreigner 33_4
	1	28.000	28.000	Act Stns	30.000	30.000	NAL_MWD_1.0_DEG-Depth Only	
	1	28.000	16932.000	Act Stns	30.000	30.000	NAL_MWD_1.0_DEG	

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)

Schlumberger

January 27, 2020

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

Re:

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

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

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 32.260972 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 03 day of January (month) 2020 (yr)

My Commission expires:

6/14/23



(signature)

Notary Public



(County State)

