

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

EMNRD-Rec'd: 09/30/2020

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 30-015-46733		2 Pool Code 98218		3 Well Name S182728A; WOLF CAMP				
4 Property Code 327153		5 Property Name GLOCK 17/16 WOMP FED COM						
6 Well Number 1H		7 Elevation 3277'						
8 GRID NO. 14744		9 Operator Name MEWBOURNE OIL COMPANY						
10 Surface Location								
UL or lot no. M	Section 17	Township 20S	Range 29E	Lot Idn 1270	Feet from the SOUTH	North/South line 230	East/West line WEST	County EDDY
11 Bottom Hole Location If Different From Surface								
UL or lot no. P	Section 16	Township 20S	Range 29E	Lot Idn 446	Feet from the SOUTH	North/South line 40	East/West line EAST	County EDDY
12 Dedicated Acres 640		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.

16		17 OPERATOR CERTIFICATION	
CORNER DATA NAD 83 GRID - NM EAST A: FOUND BRASS CAP "1916" N: 569804.9 - E: 611437.8 B: FOUND BRASS CAP "1916" N: 575088.6 - E: 611425.3 C: FOUND BRASS CAP "1916" N: 575086.5 - E: 614071.1 D: FOUND BRASS CAP "1916" N: 575085.0 - E: 616714.9 E: FOUND BRASS CAP "1916" N: 575095.2 - E: 619357.5 F: FOUND BRASS CAP "1916" N: 575105.3 - E: 621999.3		G: FOUND BRASS CAP "1916" N: 572462.9 - E: 622006.1 H: FOUND BRASS CAP "1916" N: 569820.2 - E: 622012.4 I: FOUND BRASS CAP "1916" N: 569809.9 - E: 619369.9 J: FOUND BRASS CAP "1916" N: 569798.5 - E: 616727.8 K: FOUND BRASS CAP "1916" N: 569801.9 - E: 614082.2 L: FOUND BRASS CAP "1916" N: 572443.7 - E: 616721.6	
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. 9-09-2019 Date of Survey Signature and Seal of Professional Surveyor ROBERT M. HOWETT 19680 PROFESSIONAL SURVEYOR		19 Certificate Number	

Accepted - KMS NMOCD

Mewbourne Glock 17_16 WOMP Fed Com No. 1H MWD 0ft to 19581ft MD

Survey Geodetic Report

(Def Survey)



Report Date: March 23, 2020 - 08:08 PM
Client: Mewbourne
Field: NM Eddy County (NAD 83)
Structure / Slot: Mewbourne Glock 17_16 WOMP Fed Com No. 1H / New Slot
Well: Glock 17_16 WOMP Fed Com No. 1H
Borehole: Unknown / Unknown
UWI / APW: Mewbourne Glock 17_16 WOMP Fed Com No. 1H MWD 0ft to 19581ft MD
Survey Name: February 23, 2020
Survey Date: 259.738° / 11391.837 ft / 6.789 / 1.209
Tort / AHD / DDI / ERD Ratio: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Coordinate Reference System: N 32° 34' 11.03211" W 104° 6' 18.14395"
Location Lat / Long: N 571074.300 RUS, E 611664.700 RUS
Location Grid N/E Y/X: 0.1229°
CRS Grid Convergence Angle: 0.99991475
Grid Scale Factor: 2.10.810.1
Version / Patch:
Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 94.545° * (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB = 28ft
TVD Reference Elevation: 3305.000 ft above MSL
Seabed / Ground Elevation: 3277.000 ft above MSL
Magnetic Declination: 7.140°
Total Gravity Field Strength: 998.4998mgm (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 47900.427 nT
Magnetic Dip Angle: 60.294°
Declination Date: February 23, 2020
Magnetic Declination Model: HDGM 2019
North Reference: Grid North
Grid Convergence Used: 0.1229°
Total Corr Mag North->Grid North: 7.0166°
Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Closure (ft)	Closure Azimuth (°)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' '')	Longitude (E/W ° ' '')
Surface Location	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	0.00	0.00	571074.30	611664.70	N 32 34 11.03 W 104 6 18.14	
13-3/8" Casing First SLB Survey	152.00	0.50	77.03	152.00	0.63	0.15	0.65	0.33	0.66	77.03	571074.45	611665.35	N 32 34 11.03 W 104 6 18.14	
	290.00	0.10	15.03	290.00	1.23	0.40	1.26	0.33	1.33	72.43	571074.70	611665.96	N 32 34 11.04 W 104 6 18.13	
	351.00	0.30	54.03	351.00	1.36	0.55	1.41	0.38	1.51	68.81	571074.85	611666.11	N 32 34 11.04 W 104 6 18.13	
	471.00	0.80	54.03	470.99	2.24	1.22	2.34	0.42	2.64	62.42	571075.52	611667.04	N 32 34 11.04 W 104 6 18.12	
	536.00	0.30	312.03	535.99	2.45	1.60	2.58	1.40	3.04	58.16	571075.90	611667.28	N 32 34 11.05 W 104 6 18.11	
	596.00	1.00	36.03	595.98	2.59	2.13	2.77	1.69	3.50	52.44	571076.43	611667.47	N 32 34 11.05 W 104 6 18.11	
	711.00	2.00	48.03	710.94	4.50	4.28	4.85	0.91	6.47	48.56	571078.58	611689.55	N 32 34 11.07 W 104 6 18.09	
	827.00	2.90	85.03	826.84	8.79	5.89	9.28	1.53	11.00	57.59	571080.19	611673.98	N 32 34 11.09 W 104 6 18.04	
	1015.00	2.30	86.03	1014.85	17.21	6.57	17.78	0.32	18.96	69.74	571080.87	611682.48	N 32 34 11.10 W 104 6 17.94	
	1203.00	1.40	66.03	1202.55	22.96	7.76	23.65	0.58	24.89	71.83	571082.06	611688.34	N 32 34 11.11 W 104 6 17.87	
	1335.00	1.42	69.20	1334.51	25.85	9.00	26.65	0.06	28.13	71.35	571083.30	611691.35	N 32 34 11.12 W 104 6 17.83	
	1426.00	1.44	71.32	1425.48	27.93	9.76	28.79	0.06	30.40	71.27	571084.06	611693.49	N 32 34 11.13 W 104 6 17.81	
	1521.00	1.24	176.33	1520.47	29.17	9.12	29.99	2.24	31.34	73.08	571083.42	611694.68	N 32 34 11.12 W 104 6 17.79	
	1616.00	3.71	193.05	1615.37	28.86	5.10	29.36	2.68	29.80	80.14	571079.40	611694.05	N 32 34 11.08 W 104 6 17.80	
	1710.00	5.80	193.16	1709.04	27.70	-2.49	27.59	2.22	27.70	95.15	571071.81	611692.29	N 32 34 11.01 W 104 6 17.82	
9-5/8" Casing	1803.00	7.58	196.75	1801.41	25.70	-12.94	24.75	1.97	27.93	117.60	571061.36	611689.45	N 32 34 10.90 W 104 6 17.86	
	1898.00	8.03	199.30	1895.53	22.66	-25.20	20.75	0.60	32.85	140.53	571049.10	611685.45	N 32 34 10.78 W 104 6 17.90	
	1992.00	8.10	202.32	1988.60	18.99	-37.52	16.07	0.46	40.82	156.82	571036.78	611680.77	N 32 34 10.66 W 104 6 17.96	
	2087.00	8.54	206.09	2082.60	14.36	-50.05	10.42	0.74	51.12	168.23	571024.25	611675.12	N 32 34 10.54 W 104 6 18.02	
	2181.00	8.43	208.23	2175.57	9.03	-62.39	4.10	0.36	62.52	176.24	571011.92	611668.80	N 32 34 10.41 W 104 6 18.10	
	2275.00	9.17	209.15	2268.48	3.14	-75.00	2.81	0.80	75.05	182.15	570999.30	611661.89	N 32 34 10.29 W 104 6 18.18	
	2369.00	9.42	211.98	2361.23	-3.52	-88.07	-10.53	0.55	88.70	186.82	570986.24	611654.17	N 32 34 10.16 W 104 6 18.27	
	2462.00	6.83	211.40	2453.29	-9.53	-99.25	-17.45	0.79	100.77	189.97	570975.06	611647.25	N 32 34 10.05 W 104 6 18.35	
	2557.00	6.89	213.70	2547.61	-14.86	-108.81	-23.55	0.30	111.33	192.21	570965.50	611641.15	N 32 34 9.96 W 104 6 18.42	
	2651.00	5.63	207.89	2641.05	-19.43	-117.43	-28.84	1.50	121.06	193.78	570956.74	611635.86	N 32 34 9.87 W 104 6 18.48	
	2745.00	4.88	204.50	2734.65	-22.62	-125.29	-32.65	0.86	129.47	194.61	570949.02	611632.05	N 32 34 9.79 W 104 6 18.53	
	2839.00	4.90	204.16	2828.31	-25.33	-132.59	-35.95	0.04	137.38	195.17	570941.72	611628.75	N 32 34 9.72 W 104 6 18.57	
	2933.00	4.77	208.41	2921.97	-28.26	-139.69	-39.46	0.41	145.16	195.77	570934.62	611625.25	N 32 34 9.65 W 104 6 18.61	
	3027.00	4.62	210.04	3015.66	-31.47	-146.41	-43.21	0.21	152.65	196.44	570927.91	611621.49	N 32 34 9.58 W 104 6 18.65	
	3099.00	4.79	211.48	3047.55	-32.63	-148.66	-44.55	0.65	155.19	196.68	570925.65	611620.15	N 32 34 9.56 W 104 6 18.67	
	3225.00	4.61	211.78	3078.44	-33.81	-150.66	-45.91	0.14	167.33	196.93	570923.46	611618.80	N 32 34 9.54 W 104 6 18.69	
	3319.00	7.91	201.44	3306.42	-42.86	-160.16	-51.82	0.14	175.69	197.33	570914.16	611612.88	N 32 34 9.45 W 104 6 18.75	
	3413.00	8.57	202.43	3399.45	-46.69	-181.84	-61.29	0.72	191.89	198.63	570892.48	611603.42	N 32 34 9.23 W 104 6 18.86	
	3507.00	7.98	184.30	3492.48	-48.81	-194.82	-64.45	2.83	205.20	198.31	570879.50	611600.25	N 32 34 9.11 W 104 6 18.90	
	3602.00	8.10	183.80	3586.55	-48.70	-208.07	-65.39	0.15	218.11	197.45	570866.24	611599.32	N 32 34 8.97 W 104 6 18.91	
	3696.00	8.34	183.15	3679.59	-48.44	-221.49	-66.20	0.27	231.17	196.64	570855.83	611597.56	N 32 34 8.84 W 104 6 18.92	
	3791.00	8.42	184.66	3773.57	-48.29	-235.30	-67.15	0.25	244.89	195.93	570843.02	611595.86	N 32 34 8.71 W 104 6 18.93	
	3885.00	8.41	185.13	3866.56	-48.37	-249.01	-68.32	0.07	258.21	195.34	570832.32	611596.39	N 32 34 8.43 W 104 6 18.95	
	3979.00	8.67	183.70	3959.52	-48.34	-262.92	-69.39	0.36	271.93	194.78	570811.40	611595.31	N 32 34 8.43 W 104 6 18.95	
	4074.00	8.89	183.51	4053.43	-48.10	-277.23	-70.29	0.04	286.00	194.23	570795.09	611594.41	N 32 34 8.29 W 104 6 18.97	
	4168.00	8.91	182.22	4146.33	-47.66	-291.59	-71.01	0.31	300.11	193.69	570782.73	611593.70	N 32 34 8.15 W 104 6 18.98	
	4262.00	9.00	180.38	4239.18	-46.85	-306.22	-71.34	0.32	314.42	193.11	570768.11	611593.38	N 32 34 8.00 W 104 6 18.99	
	4356.00	8.74	183.30	4332.06	-46.16	-320.70	-71.80	0.55	328.64	192.62	570753.63	611592.90	N 32 34 7.88 W 104 6 18.99	
	4451.00	8.80	182.89	4425.95	-45.80	-335.16	-72.58	0.09	342.94	192.22	570739.16	611592.12	N 32 34 7.72 W 104 6 19.00	
	4545.00	7.78	198.85	4518.97	-46.94	-348.44	-74.79	2.39	356.37	192.11	570725.89	611589.92	N 32 34 7.59 W 104 6 19.03	
	4640.00	7.75	201.28	4613.10	-50.16	-360.96	-78.98	0.34	369.11	192.36	570713.77	611585.73	N 32 34 7.47 W 104 6 19.08	
	4734.00	7.63	203.48	4706.26	-54.01	-372.19	-83.77	0.34	381.50	193.03	570702.14	611580.94	N 32 34 7.35 W 104 6 19.13	
	4828.00	7.85	203.68	4799.42	-56.08	-383.64	-86.76	0.04	393.78	193.03	570690.69	611575.94	N 32 34 7.24 W 104 6 19.19	
	4921.00	7.63	204.12	4891.57	-62.25	-395.13	-93.86	0.26	406.12	193.36	570679.20	611570.85	N 32 34 7.12 W 104 6 19.25	
	5015.00	7.97	203.43	4984.67	-66.52	-406.99	-99.08	0.14	418.88	193.68	570667.34	611565.63	N 32 34 7.01 W 104 6 19.31	
	5110.00	7.68	204.04	5078.79	-70.77	-418.83	-104.29	0.32	431.62	193.98	570655.51	611560.42	N 32 34 6.89 W 104 6 19.37	
	5205.00	7.81	202.93	5172.92	-74.92	-430.57	-109.39	0.21	444.25	194.25	570643.76	611555.32	N 32 34 6.77 W 104 6 19.43	
	5299.00	7.61	203.84	5266.07	-78.99	-442.15	-114.39	0.25	456.71	194.51	570632.19	611550.32	N 32 34 6.66 W 104 6 19.49	
	5394.00	7.44	201.23	5360.25	-82.84	-453.64	-119.16	0.40	469.02	194.72	570620.70	611545.55	N 32 34 6.55 W 104 6 19.55	
	5488.00	7.63	203.48	5453.44	-86.36	-465.13	-123.61	0.20	481.27	194.88	570609.21	611541.10	N 32 34 6.43 W 104 6 19.60	
5583.00	7.14	199.78	5547.65	-89.71	-476.57	-127.88	0.55	493.43	195.02	570597.77	611536.83	N 32 34 6.32 W 104 6 19.65		
5677.00	6.77	200.85	5640.96	-92.80	-487.24	-131.83	0.42	504.76	195.14	570587.10	611532.88	N 32 34 6.21 W 104 6 19.70		
5771.00	6.62	203.63	5734.32	-96.13	-497.39	-135.97	0.38	515.64	195.29	570576.96	611528.74	N 32 34 6.11 W 104 6 19.75		
5865.00	6.39	202.02	5827.72	-99.47	-507.20	-140.11	0.31	526.19	195.44	570567.14	611524.81	N 32 34 6.02 W 104 6 19.79		
5959.00	6.26	200.12	5921.14	-102.42	-516.86	-143.83	0.26	536.50	195.55	570557.48	611520.88	N 32 34 5.92 W 104 6 19.84		
6053.00	5.87	198.07	6014.62	-104.76	-526.29	-146.92	0.62	546.42	195.60	570548.05	611517.79	N 32 34 5.83 W 104 6 19.87		
6147.00	5.21	193.82	6108.18	-105.41	-535.08	-149.27	0.74	555.49	195.69	570539.29	611515.44	N 32 34 5.74 W 104 6 19.90		
6242.00	5.53	196.45	6202.76	-107.25	-543.79	-150.82	0.60	564.80	195.80	570530.86	611513.99	N 32 34 5.65 W 104 6 19.92		
6336.00	7.60	194.84	6306.37	-108.51	-554.30	-152.92	2.42	575.01	195.42	570520.05	611511.79	N 32 34 5.55 W 104 6 19.94		
6429.00	7.22	196.64	6398.37	-110.84	-565.85	-156.17	0.48	587.00	195.43	570508.50	611508.55	N 32 34 5.44 W 104 6 19.98		
6523.00	6.38	195.33	6481.70	-113.05	-576.54	-159.24	0.91	598.13	195.44	570505.47	611505.47	N 32 34 5.33 W 104 6 20.02		
6617.00	8.21	192.95	6574.94	-115.01	-588.12	-162.13	1.97	610.06						

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (ft/100ft)	Closure (ft)	Closure Azimuth (°)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' '')	Longitude (E/W ° ' '')
	8854.00	2.02	129.45	8776.51	-138.25	-823.70	-204.16	0.52	848.52	193.92	570250.67	611460.55	N 32.34 2.89 W 104	6 20.55
	8881.00	6.35	98.33	8823.48	-134.98	-824.60	-200.95	10.08	848.73	193.70	570249.77	611463.77	N 32.34 2.88 W 104	6 20.51
	8928.00	12.26	87.52	8869.85	-127.42	-824.76	-193.39	13.06	847.13	193.20	570249.81	611471.33	N 32.34 2.88 W 104	6 20.28
	8975.00	19.22	85.49	8915.08	-114.81	-823.94	-180.67	14.85	843.51	192.87	570250.44	611484.04	N 32.34 2.88 W 104	6 20.07
	9022.00	24.80	85.26	8958.61	-97.43	-822.51	-163.12	11.87	838.53	191.22	570251.86	611501.59	N 32.34 2.90 W 104	6 20.20
	9069.00	29.36	86.38	9000.45	-76.29	-820.97	-141.77	9.75	833.12	189.80	570253.40	611522.92	N 32.34 2.91 W 104	6 19.82
	9085.00	30.30	86.10	9014.33	-68.39	-820.59	-133.84	7.94	831.43	189.26	570253.78	611530.87	N 32.34 2.92 W 104	6 19.73
	9132.00	34.80	88.60	9053.94	-43.26	-819.87	-108.57	9.59	827.02	187.54	570254.50	611556.14	N 32.34 2.92 W 104	6 19.43
	9178.00	39.09	89.58	9090.69	-15.74	-819.44	-80.93	9.41	823.43	185.64	570254.93	611583.77	N 32.34 2.93 W 104	6 19.11
	9225.00	45.01	89.12	9125.58	15.59	-819.08	-49.47	12.61	820.57	183.46	570255.30	611615.24	N 32.34 2.93 W 104	6 18.74
	9272.00	49.47	89.15	9157.48	49.94	-818.56	-14.97	9.49	818.69	181.05	570255.82	611649.73	N 32.34 2.93 W 104	6 18.34
	9319.00	54.08	90.28	9186.55	86.72	-818.38	21.94	9.99	818.68	178.46	570255.99	611686.64	N 32.34 2.93 W 104	6 17.91
	9366.00	59.05	90.91	9212.44	125.94	-818.80	61.14	10.63	821.08	175.73	570256.37	611725.84	N 32.34 2.93 W 104	6 17.45
	9414.00	65.14	93.36	9234.30	168.19	-820.40	103.51	13.48	826.91	172.81	570257.97	611768.20	N 32.34 2.91 W 104	6 16.96
	9462.00	77.44	94.32	9269.79	271.23	-827.34	206.32	11.31	852.67	166.00	570247.04	611871.00	N 32.34 2.84 W 104	6 15.75
	9510.00	78.23	94.38	9271.26	278.07	-827.86	213.14	11.81	854.85	165.56	570246.52	611877.82	N 32.34 2.84 W 104	6 15.67
	9557.00	81.23	94.07	9279.64	324.31	-831.26	259.26	6.42	870.75	162.68	570243.11	611923.94	N 32.34 2.80 W 104	6 15.14
	9624.00	82.62	93.02	9286.24	370.84	-834.14	305.70	3.69	888.39	159.87	570240.24	611970.38	N 32.34 2.77 W 104	6 14.59
	9671.00	84.94	91.78	9291.33	417.53	-836.09	352.38	5.59	907.32	157.15	570238.28	612017.05	N 32.34 2.75 W 104	6 14.05
	9766.00	84.56	91.14	9300.03	511.99	-838.50	446.95	0.78	950.19	151.94	570235.77	612111.61	N 32.34 2.72 W 104	6 12.39
	9813.00	87.83	90.79	9303.14	558.79	-839.29	493.83	7.00	973.80	149.53	570235.08	612158.49	N 32.34 2.72 W 104	6 11.85
	9860.00	90.17	90.43	9303.96	605.67	-839.79	540.82	9.94	998.87	147.22	570234.58	612205.47	N 32.34 2.71 W 104	6 10.75
	9954.00	91.85	89.55	9309.36	659.36	-839.45	589.79	1.83	1052.72	142.51	570234.59	612299.45	N 32.34 2.71 W 104	6 9.65
	10048.00	87.83	90.15	9302.90	793.02	-839.55	726.79	4.11	1111.74	139.04	570234.83	612393.42	N 32.34 2.71 W 104	6 8.54
	10143.00	87.01	89.24	9307.17	887.58	-839.04	823.69	1.29	1175.78	135.53	570235.33	612488.32	N 32.34 2.71 W 104	6 7.44
	10237.00	89.97	88.58	9309.65	981.09	-837.25	917.83	3.23	1242.19	132.38	570237.12	612582.25	N 32.34 2.73 W 104	6 6.34
	10331.00	90.48	88.04	9309.28	1074.53	-834.48	1011.58	0.79	1311.36	129.52	570239.89	612676.20	N 32.34 2.75 W 104	6 5.25
	10425.00	89.69	87.10	9309.14	1167.83	-826.10	1105.50	1.31	1382.70	126.92	570243.88	612710.10	N 32.34 2.83 W 104	6 4.15
	10519.00	91.44	87.57	9308.22	1261.08	-826.13	1199.39	1.93	1456.37	124.56	570246.52	612758.93	N 32.34 2.86 W 104	6 3.04
	10614.00	89.73	89.28	9307.25	1355.53	-823.52	1294.34	2.52	1534.11	122.47	570250.85	612852.91	N 32.34 2.86 W 104	6 1.94
	10708.00	88.80	89.92	9310.20	1449.17	-822.80	1388.33	1.23	1613.88	120.66	570251.47	613052.91	N 32.34 2.86 W 104	6 0.84
	10802.00	89.07	89.92	9310.20	1542.85	-822.81	1482.31	0.29	1685.37	119.03	570251.56	613146.88	N 32.34 2.86 W 104	6 59.75
	10896.00	89.86	89.78	9311.08	1636.53	-822.56	1576.31	0.85	1778.02	117.56	570251.81	613240.87	N 32.34 2.86 W 104	6 58.65
	10990.00	90.21	89.34	9311.02	1730.18	-821.84	1670.30	0.60	1861.54	116.20	570252.53	613334.85	N 32.34 2.86 W 104	6 57.54
	11085.00	89.28	89.89	9311.44	1824.82	-821.20	1765.30	1.14	1946.96	114.95	570253.17	613429.89	N 32.34 2.86 W 104	6 56.45
	11178.00	89.14	90.49	9312.72	1917.54	-821.61	1858.29	0.66	2031.78	113.85	570252.86	613522.83	N 32.34 2.86 W 104	6 55.35
	11272.00	88.80	89.95	9314.41	2011.26	-821.87	1952.27	0.68	2118.22	112.83	570252.50	613616.80	N 32.34 2.86 W 104	6 54.25
	11366.00	87.87	90.05	9317.14	2104.92	-821.87	2046.23	1.00	2205.12	111.86	570252.12	613710.75	N 32.34 2.86 W 104	6 53.15
	11461.00	87.04	89.63	9321.38	2199.51	-821.61	2141.14	0.40	2293.96	110.99	570252.76	613805.65	N 32.34 2.86 W 104	6 52.06
	11554.00	87.08	89.26	9325.13	2292.02	-822.07	2234.01	0.40	2379.99	110.17	570253.66	613898.52	N 32.34 2.86 W 104	6 50.96
	11648.00	89.07	89.07	9329.29	2385.61	-820.05	2327.95	2.24	2468.16	109.41	570254.32	613992.45	N 32.34 2.87 W 104	6 49.86
	11742.00	92.13	90.03	9328.31	2479.30	-820.03	2421.93	3.26	2556.99	108.71	570254.34	614086.42	N 32.34 2.87 W 104	6 48.76
	11837.00	92.82	89.90	9324.20	2573.91	-819.97	2516.84	0.74	2647.05	108.05	570254.40	614181.32	N 32.34 2.86 W 104	6 47.66
	11931.00	91.27	89.44	9320.85	2667.50	-819.43	2610.78	1.72	2736.35	107.43	570254.94	614275.25	N 32.34 2.87 W 104	6 46.56
	12026.00	89.07	88.57	9320.57	2762.05	-817.78	2705.76	2.49	2826.64	106.82	570256.59	614370.22	N 32.34 2.86 W 104	6 45.46
	12119.00	89.00	89.55	9322.13	2854.61	-816.25	2798.73	1.06	2915.33	105.26	570258.12	614463.19	N 32.34 2.90 W 104	6 44.36
	12213.00	87.14	89.56	9325.30	2948.20	-815.52	2892.67	1.98	3005.43	105.74	570258.85	614557.12	N 32.34 2.90 W 104	6 43.27
	12307.00	85.94	89.27	9330.87	3041.65	-814.57	2986.49	1.31	3095.59	105.26	570259.80	614650.93	N 32.34 2.91 W 104	6 42.17
	12401.00	89.00	89.34	9334.10	3135.28	-814.59	3080.42	4.84	3185.30	104.81	570259.78	614744.85	N 32.34 2.91 W 104	6 41.07
	12495.00	88.80	88.49	9334.81	3228.92	-813.98	3174.40	2.80	3277.10	104.38	570260.39	614838.83	N 32.34 2.91 W 104	6 39.97
	12589.00	90.58	88.76	9335.24	3322.42	-811.72	3268.37	1.81	3367.66	103.95	570262.65	614932.79	N 32.34 2.93 W 104	6 38.88
	12683.00	92.27	88.28	9332.90	3415.86	-809.30	3362.31	1.87	3458.33	103.53	570265.07	615026.71	N 32.34 2.95 W 104	6 37.78
	12777.00	91.58	89.82	9329.74	3509.38	-807.74	3456.24	1.79	3549.37	103.15	570266.63	615120.64	N 32.34 2.96 W 104	6 36.67
	12872.00	90.76	90.79	9327.80	3604.09	-808.24	3551.21	1.34	3642.03	102.82	570268.13	615215.61	N 32.34 2.96 W 104	6 35.57
	12966.00	88.69	91.27	9328.25	3697.91	-809.93	3645.19	2.26	3734.09	102.53	570268.44	615309.68	N 32.34 2.94 W 104	6 34.47
	13060.00	89.52	91.46	9329.72	3791.75	-812.17	3739.15	0.91	3826.34	102.25	570268.20	615403.53	N 32.34 2.91 W 104	6 33.38
	13154.00	87.90	91.98	9331.84	3885.61	-814.99	3833.08	1.81	3918.77	102.00	570269.38	615497.45	N 32.34 2.88 W 104	6 32.28
	13248.00	88.14	91.95	9335.09	3979.45	-818.21	3926.97	0.26	4011.31	101.77	570266.16	615591.33	N 32.34 2.85 W 104	6 31.17
	13343.00	88.80	92.39	9337.62	4074.35	-821.81	4021.87	0.83	4104.97	101.55	570252.56	615686.22	N 32.34 2.81 W 104	6 30.07
	13437.00	89.00	92.29	9339.43	4168.26	-825.65	4115.77	0.24	4197.77	101.34	570248.72	615780.12	N 32.34 2.77 W 104	6 28.97
	13531.00	89.52	92.75	9340.64	4262.19	-829.78	4209.68	0.74	4290.68	101.15	570244.59	615874.01	N 32.34 2.73 W 104	6 27.88
	13625.00	88.38	92.85	9342.36	4356.13	-834.21	4303.55	1.22	4383.66	100.97	570240.17	615967.88	N 32.34 2.68 W 104	6 26.78
	13733.00	89.45	91.71	9344.41	4448.01	-838.31	4411.45	1.32	4480.40	100.76	570236.76	616061.75	N 32.34 2.64 W 104	6 25.68
	13827.00	88.73	88.80	9345.90	4557.73	-838.73	4505.43	3.19	4582.83	100.55	570235.64	616159.74	N 32.34 2.63 W 104	6 24.58
	13922.00	88.62	87.06	9347.27	4652.14	-838.02	4600.37	1.51	4675.88	100.30	570238.56	616254.67	N 32.34 2.66 W 104	6 23.48
	14016.00	89.55	89.69	9347.96	4745.45	-832.02	4694.29	0.08	4767.46	100.05	570242.35	616358.58	N 32.34 2.70 W 104	6 22.38
	14110.00	90.07	87.93	9348.26	4839.81	-828.43	4788.22	0.61	4859.36	99.82	570245.95	616452.51	N 32.34 2.73 W 104	6 21.28
	14205.00	89.14	87.35	9348.92	4933.12	-824.62	4883.14	1.15	4952					

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLB (°/100ft)	Closure (ft)	Closure Azimuth (°)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
Proj to Be	19581.00	89.07	90.50	9411.51	10289.96	-809.70	10258.05	0.00	10289.96	94.51	570264.67	621921.66	N 32.34 2.79 W 104 4 18.30	

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_MWD-NON_SLB-Depth Only	Glock 17_16 WOMP Fed Com No. 1H / Mewbourne Glock
	1	28.000	28.000	Act Stns	17.500	13.375	NAL_MWD-NON_SLB-Depth Only	17_16 WOMP Fed Com No. 1H Glock 17_16 WOMP Fed Com No. 1H / Mewbourne Glock
	1	28.000	1335.000	Act Stns	17.500	13.375	NAL_MWD-NON_SLB	17_16 WOMP Fed Com No. 1H Glock 17_16 WOMP Fed Com No. 1H / Mewbourne Glock
	1	1335.000	3090.000	Act Stns	12.250	9.625	NAL_MWD_1.0_DEG	Glock 17_16 WOMP Fed Com No. 1H / Mewbourne Glock
	1	3090.000	9523.000	Act Stns	8.750	7.000	NAL_MWD_1.0_DEG	Glock 17_16 WOMP Fed Com No. 1H / Mewbourne Glock
	1	9523.000	19581.000	Act Stns	6.125	4.500	NAL_MWD_1.0_DEG	Glock 17_16 WOMP Fed Com No. 1H / Mewbourne Glock

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

March 28, 2020

MEWBOURNE OIL COMPANY
PO Box 5270
Hobbs, NM 88241

Re:

SEC 17, T20S, R29E EDDY, NM
N 32.569312 W -104.1050399

CLIENT: MEWBOURNE OIL COMPANY
WELL: Glock 17-16 W0MP Federal Com 1H
FIELD: Wildcat-Wolfcamp

RIG: Patterson 230
COUNTY: Eddy
API NO: 30-015-46733
JOB NO: 19MLE0234

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>
Juan Estrada FS	Glock 17-16 W0MP Fed Com 1H Original Hole	1426.00 Ft to 19536.00 Ft	March 2, 2020 to March 20, 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:
SEC 17, T20S, R29E EDDY, NM
N 32.569312 W -104.1050399

I, Juan Estrada certify that; I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of March 02, 2020 through March 20, 2020, conduct or supervise the taking of the TelePacer & SlimPulse surveys from a depth of 1426.00 feet to a depth of 19536.00 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 COMPANY for the Glock 17-16 WOMP Fed Com 1H Well (Original Hole) API No. 30-015-46733 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
Juan Estrada
FS



Subscribed and Sworn to before me this 28 day of March (month) 2020 (yr)

My Commission expires:

6/18/23



(signature)

Notary Public

Councils, Oklahoma

(County State)

