

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

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

Form C-104
Revised August 1, 2011
Submit one copy to appropriate District Office

☒ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Mewbourne Oil Company PO Box 5270 Hobbs, NM 88241		² OGRID Number 14744
		³ Reason for Filing Code/ Effective Date New Well / 02/21/2020
⁴ API Number 30 - 015 - 46310	⁵ Pool Name Purple Sage; Wolfcamp (Gas)	⁶ Pool Code 98220
⁷ Property Code 326140	⁸ Property Name Wolfman 5/4 WOMP Fed Com	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
M	5	23S	27E		1305	South	240	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
P	4	23S	27E		490	South	321	East	Eddy
¹² Lse Code F	¹³ Producing Method Code Flowing	¹⁴ Gas Connection Date 02/21/2020	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

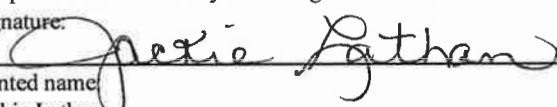
¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
	Oryx 4000 N. Big Spring Suite 400 Midland, TX 79705	O
151618	Enterprise Field Services PO Box 4503 Houston, Texas 77210	G

IV. Well Completion Data We are asking for an exemption from tubing at this time.

²¹ Spud Date 10/21/2019	²² Ready Date 01/21/2020	²³ TD 18946' MD	²⁴ PBDT 18890'	²⁵ Perforations 9106' - 18890'	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	457'	350		
12 1/4"	9 5/8" 40# HCL80	1837'	575		
8 3/4"	7" 29# P110	9283'	850		
6 1/8"	4 1/2" 13.5# HCP110	8414' - 18921	600		

V. Well Test Data

³¹ Date New Oil 01/21/2020	³² Gas Delivery Date 01/21/2020	³³ Test Date 01/27/2020	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure NA	³⁶ Csg. Pressure 1200
³⁷ Choke Size 26/64	³⁸ Oil 814	³⁹ Water 2810	⁴⁰ Gas 1177		⁴¹ Test Method Flowing

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: 	OIL CONSERVATION DIVISION Approved by: John Garcia Title: Petroleum Specialist Approval Date: 3/9/2021
Printed name: Jackie Lathan Title: Regulatory E-mail Address: jlathan@mewbourne.com Date: 02/07/2020 Phone: 575-393-5905	

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

Form C-102
Revised August 1, 2011
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District Office

☒ AMENDED REPORT
As drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-015-46310	2 Pool Code 98220	3 Pool Name Purple Sage; Wolfcamp (Gas)
4 Property Code 322140	5 Property Name WOLFMAN 5/4 WOMP FED COM	
7 OGRID NO. 14744	8 Operator Name MEWBOURNE OIL COMPANY	6 Well Number 2H
		9 Elevation 3181'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	5	23S	27E		1305	SOUTH	240	WEST	EDDY

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	4	23S	27E		490	SOUTH	321	EAST	EDDY

12 Dedicated Acres 6.40	13 Joint or Infill	14 Consolidation Code	15 Order No.
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No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

16 GEODETIC DATA NAD 83 GRID - NM EAST SURFACE LOCATION N: 483902.5 - E: 576303.7 LAT: 32.3302692° N LONG: 104.2201272° W BOTTOM HOLE N: 483218.7 - E: 586289.7 LAT: 32.3283562° N LONG: 104.1877998° W		CORNER DATA NAD 83 GRID - NM EAST A: FOUND COTTON SPINDLE N: 482596.3 - E: 576067.2 B: FOUND COTTON SPINDLE N: 487890.7 - E: 576053.1 C: FOUND 1/2" REBAR N: 487907.1 - E: 578715.7 D: FOUND 1/2" IRON ROD N: 487939.5 - E: 581374.9 E: FOUND 1/2" REBAR N: 487954.6 - E: 584039.7 F: CALCULATED CORNER N: 487969.6 - E: 586700.2		G: FOUND 3/4" REBAR N: 485362.4 - E: 586655.9 H: FOUND 1/2" REBAR N: 482725.4 - E: 586611.0 I: FOUND 1/2" REBAR N: 482673.3 - E: 584001.6 J: FOUND 1/2" REBAR N: 482621.6 - E: 581392.9 K: FOUND 1/2" REBAR N: 482610.1 - E: 578729.2 L: FOUND 1/2" REBAR N: 485260.5 - E: 581386.0	
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>Debbie Lathan</u> Date: <u>2/16/2020</u> Printed Name: <u>Debbie Lathan</u> 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. 8-03-2018 Date of Survey Signature and Seal of Professional Surveyor: <u>Robert M. Howett</u> 19680 Certificate Number REV: 3-14-19 NAME/BHL LS1806837					

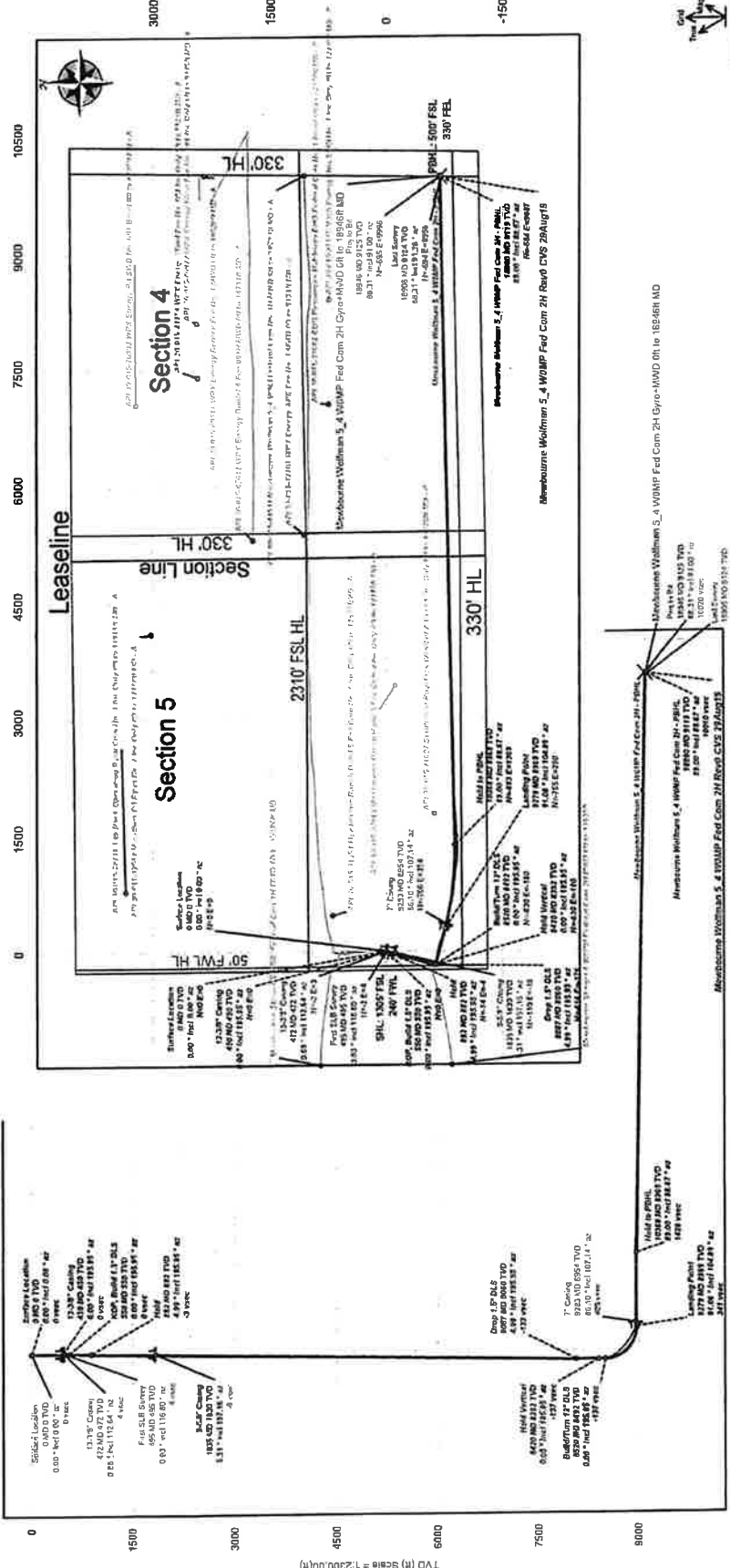
Schlumberger Final Plan vs Actual Plan Rev0

Mewbourne Oil Company

Well: Wolfman 5_4 WOMP Fed Com 2H **Field:** NM Eddy County (NAD 83) **Structure:** Mewbourne Wolfman 5_4 WOMP Fed Com 2H

Surface Location: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Lat: N 31.19 46.97 **Grid Contour:** 0.0008" **Scale Factor:** 0.99991048
Long: W 104.13 12.46 **Easting:** 676303.7105

Critical Point	MD	RGL	ADW	TYD	VSEC	N(Elev)	Elev	DLS
Surface Location	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13-3/8" Casing	450.00	0.00	195.95	450.00	0.00	0.00	0.00	0.00
KOP, Build 1.5" DLS	550.00	0.00	195.95	550.00	0.00	0.00	0.00	0.00
Hold	862.46	4.99	195.95	862.46	-3.01	-13.90	-3.97	1.50
Drop 1.5" DLS	8087.16	4.99	195.95	8058.50	-133.53	-616.10	-176.03	0.00
Hold Vertical	8419.65	0.00	195.95	8391.54	-136.54	-630.00	-160.00	1.50
Build/Turn 12" DLS	8518.65	0.00	195.95	8491.54	-136.54	-630.00	-160.00	0.00
Landing Point	9278.65	91.06	104.89	8880.00	340.98	-795.00	280.08	12.00
Hold to PBHL	10386.41	89.00	88.67	8888.38	1425.70	-883.27	1386.55	1.50
Mewbourne Wolfman 5_4 WOMP Fed Com 2H - PBHL	18980.38	88.00	88.67	8118.80	10010.30	-683.86	8986.91	0.00



Scale: 1:2300.00 (ft)
 NS (ft) Scale = 1:2000.00 (ft)
 TWD (ft) Scale = 1:2300.00 (ft)
 Vertical Section (ft) Azim = 93.32° Scale = 0.01N-S, 0.01W-E



Mewbourne Wolfman 5_4 WOMP Fed Com 2H Gyro+MWD Off to 18946ft MD Survey Geodetic Report (Def Survey)



Report Date: November 20, 2019 - 03:50 PM
Client: Mewbourne Oil Company
Field: NM Eddy County (NAD 83)
Structure / Slot: Mewbourne Wolfman 5_4 WOMP Fed Com 2H / New Slot
Well: Wolfman 5_4 WOMP Fed Com 2H
Borehole: Wolfman 5_4 WOMP Fed Com 2H
UWI / APN: Unknown / Unknown
Survey Name: Mewbourne Wolfman 5_4 WOMP Fed Com 2H Gyro+MWD Off to 18946ft MD
Survey Date: October 18, 2019
Tort / AHD / DDI / ERD Ratio: 248.115' / 10876.280 ft / 6.750' / 1.182
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 19' 48.86861", W 104° 13' 12.45776"
Location Grid N/E Y/D: N 483902.500 ftUS, E 576303.700 ftUS
CRS Grid Convergence Angle: 0.0805 °
Grid Scale Factor: 0.99991049
Version / Patch: 2.10.782.0

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 93.820 ° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 3209.000 ft above MSL
Sealed / Ground Elevation: 3181.000 ft above MSL
Magnetic Declination: 7.197 °
Total Gravity Field Strength: 998.4862mgn (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 47947.388 nT
Magnetic Dip Angle: 59.997 °
Declination Date: October 18, 2019
Magnetic Declination Model: HDGM 2019
North Reference: Grid North
Grid Convergence Used: 0.0605 °
Total Corr Mag North->Grid: 7.1364 °
North:
Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (ft/100ft)
Surface	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Location	100.00	0.50	148.82	100.00	0.25	-0.37	0.23	0.50
	200.00	0.78	147.58	199.99	0.81	-1.32	0.82	0.28
	300.00	0.30	116.28	299.98	1.55	-2.01	1.42	0.55
	387.00	0.82	86.27	396.98	2.48	-2.11	2.34	0.59
13-3/8" Casing	472.00	0.86	112.64	471.87	3.56	-2.33	3.41	0.47
First SLB	485.00	0.93	118.80	494.97	3.90	-2.49	3.74	0.47
Survey	825.00	1.62	156.14	824.94	5.42	-4.78	5.10	0.93
	685.00	3.83	184.67	684.87	5.65	-7.50	6.14	3.92
	745.00	6.39	185.23	744.53	5.55	-12.82	4.68	4.27
	843.00	7.85	198.10	841.88	3.78	-24.72	2.10	2.20
	897.00	5.02	209.57	935.28	0.43	-34.40	-1.93	3.28
	1032.00	4.35	193.34	1029.86	-1.96	-41.52	-4.81	1.56
	1127.00	4.33	183.67	1124.89	-2.53	-48.80	-5.86	0.78
	1222.00	5.50	184.99	1219.34	-2.66	-56.72	-6.48	1.24
	1316.00	6.00	183.84	1312.95	-2.67	-56.72	-7.15	0.54
	1410.00	6.16	191.10	1406.58	-3.19	-73.53	-8.24	0.70
	1505.00	4.70	195.25	1501.23	-4.48	-81.48	-10.08	0.61
	1600.00	4.67	183.01	1594.92	-5.18	-89.01	-11.30	1.06
	1683.00	5.23	194.46	1688.57	-5.91	-96.98	-12.67	1.21
	1787.00	5.33	198.12	1782.17	-7.82	-105.33	-14.86	0.19
9-5/8" Casing	1835.00	5.31	197.16	1829.85	-8.80	-109.59	-16.13	0.20
	1911.00	5.28	198.83	1905.64	-10.30	-119.27	-18.29	0.20
	2006.00	6.15	200.07	2000.24	-12.82	-124.42	-21.17	0.19
	2100.00	5.07	201.87	2093.87	-15.07	-132.24	-24.17	0.19
	2194.00	4.81	200.71	2187.52	-17.49	-139.78	-27.11	0.30
	2288.00	4.86	200.94	2281.19	-19.88	-147.22	-28.82	0.14
	2382.00	4.61	200.94	2374.88	-21.84	-154.51	-32.48	0.30
	2476.00	4.59	200.80	2468.58	-23.80	-161.40	-35.10	0.24
	2570.00	4.08	198.47	2562.32	-25.91	-167.93	-37.48	0.33
	2664.00	3.86	200.16	2656.08	-27.72	-174.16	-39.72	0.13
	2758.00	3.75	200.13	2749.87	-29.50	-180.11	-41.81	0.23
	2852.00	4.83	201.41	2843.82	-31.50	-186.54	-44.35	0.93
	2946.00	4.89	200.75	2937.28	-33.80	-193.82	-47.15	0.28
	3041.00	4.54	202.07	3031.97	-36.14	-201.09	-50.00	0.39
	3135.00	4.49	202.87	3125.86	-38.49	-207.83	-52.83	0.09
	3230.00	4.21	200.85	3220.41	-40.72	-214.51	-55.52	0.34
	3324.00	4.22	202.15	3314.15	-42.80	-221.04	-58.05	0.10
	3513.00	4.24	204.25	3502.64	-47.41	-233.85	-63.54	0.08
	3607.00	5.74	205.58	3596.28	-50.35	-241.26	-67.00	1.80
	3700.00	5.84	208.70	3688.82	-53.84	-249.54	-71.08	0.16
	3794.00	6.30	198.53	3782.31	-56.82	-258.55	-74.78	1.14
	3888.00	8.46	197.58	3875.73	-58.47	-268.48	-78.01	0.20
	3983.00	5.80	198.05	3970.18	-62.01	-278.19	-81.22	0.61
	4077.00	5.67	199.70	4063.70	-64.53	-287.13	-84.36	0.25
	4171.00	4.82	183.86	4157.31	-65.78	-295.44	-86.18	1.79
	4268.00	4.78	188.35	4251.98	-66.93	-303.36	-86.87	0.24
	4360.00	4.46	187.34	4345.67	-66.31	-310.88	-87.77	0.35
	4455.00	4.13	185.46	4440.40	-66.63	-317.85	-88.57	0.38
	4549.00	3.99	187.18	4534.17	-66.90	-324.55	-89.30	0.20
	4644.00	5.17	205.50	4628.87	-68.67	-331.71	-91.56	1.95
	4730.00	5.13	204.70	4714.52	-71.45	-338.70	-94.83	0.10
	4832.00	4.82	203.44	4816.14	-74.50	-346.77	-98.44	0.32
	4927.00	4.61	201.46	4910.82	-76.96	-353.81	-101.40	0.37
	5021.00	4.44	202.03	5004.53	-79.21	-360.72	-104.11	0.06
	5116.00	4.36	200.75	5099.25	-81.40	-367.51	-106.77	0.13
	5210.00	4.12	200.08	5193.00	-83.37	-374.02	-109.20	0.25
	5304.00	5.09	187.36	5286.89	-85.28	-381.17	-111.60	1.05
	5398.00	4.75	184.80	5381.34	-87.01	-388.98	-113.87	0.42
	5493.00	4.53	197.04	5475.03	-88.58	-396.30	-115.96	0.30
	5587.00	5.36	197.48	5568.88	-90.47	-404.04	-118.36	0.88
	5682.00	5.42	204.28	5663.25	-93.07	-412.35	-121.54	0.57
	5776.00	5.28	209.96	5756.96	-95.51	-420.14	-125.62	0.59
	5871.00	5.70	194.12	5851.43	-98.25	-428.48	-128.85	1.88
	5965.00	5.73	191.02	5944.96	-100.86	-437.62	-130.88	0.33
	6060.00	5.32	192.85	6039.52	-101.82	-446.57	-132.76	0.48
	6155.00	4.98	192.08	6134.14	-103.17	-454.81	-134.59	0.35
	6249.00	5.31	191.80	6227.76	-104.35	-463.17	-136.34	0.34

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (s)	N6 (ft)	EW (ft)	DLS (ft/100ft)
	6344.00	5.52	191.62	6322.33	-105.58	-471.94	-138.16	0.22
	6438.00	5.32	187.57	6415.81	-106.46	-480.89	-138.65	0.46
	6533.00	4.86	191.26	6510.53	-107.27	-498.11	-141.04	0.49
	6628.00	4.63	187.86	6605.19	-108.05	-496.96	-142.36	0.49
	6722.00	4.87	186.86	6698.87	-108.50	-504.88	-143.34	0.26
	6817.00	3.86	191.00	6793.59	-109.11	-511.91	-144.44	1.01
	6911.00	3.88	191.31	6887.37	-109.82	-518.22	-145.88	0.08
	7006.00	4.15	196.36	6982.13	-111.08	-524.88	-147.28	0.46
	7100.00	3.78	196.72	7076.91	-112.49	-530.81	-149.14	0.39
	7194.00	3.73	196.01	7169.71	-113.82	-536.82	-150.87	0.07
	7289.00	3.65	196.05	7265.51	-115.12	-542.75	-152.58	0.08
	7385.00	3.99	196.86	7360.30	-116.55	-548.77	-154.54	0.45
	7479.00	4.88	198.17	7454.01	-118.54	-555.64	-156.90	0.96
	7573.00	5.70	195.40	7547.61	-120.46	-563.94	-159.38	0.91
	7667.00	5.66	193.93	7641.15	-122.19	-572.84	-161.74	0.16
	7762.00	5.12	187.37	7735.73	-123.26	-581.89	-163.41	0.86
	7856.00	5.02	184.52	7829.37	-123.56	-589.96	-164.27	0.29
	7952.00	4.74	185.07	7925.02	-123.68	-598.09	-164.95	0.30
	8046.00	5.38	190.30	8018.65	-124.25	-606.29	-166.08	0.84
	8140.00	5.39	188.50	8112.24	-125.08	-615.00	-167.53	0.18
	8235.00	4.54	191.85	8206.88	-125.95	-623.09	-168.84	0.94
	8330.00	4.51	194.52	8301.58	-127.15	-630.39	-170.64	0.24
	8405.00	4.33	195.71	8376.36	-128.27	-635.87	-172.15	0.27
	8456.00	3.88	197.83	8427.23	-129.07	-639.47	-173.20	0.93
	8503.00	4.06	114.95	8474.15	-127.90	-641.55	-172.17	11.18
	8550.00	10.09	97.10	8520.77	-122.23	-642.90	-168.57	13.51
	8597.00	17.98	93.93	8566.35	-110.89	-643.90	-165.27	16.57
	8644.00	24.86	94.01	8610.09	-93.77	-645.09	-158.19	14.83
	8692.00	31.71	96.99	8652.33	-71.05	-647.33	-155.58	14.57
	8739.00	38.77	97.09	8690.89	-43.99	-650.86	-148.98	15.02
	8786.00	43.64	96.57	8726.04	-13.08	-654.33	-141.95	10.39
	8833.00	47.85	97.30	8758.84	20.53	-658.40	-134.54	9.03
	8881.00	51.08	99.24	8790.03	56.90	-663.66	-126.55	7.40
	8928.00	52.40	103.55	8819.14	93.47	-670.96	-118.55	7.73
	8976.00	54.89	105.97	8847.60	131.36	-681.15	-109.50	7.73
	9023.00	56.98	108.97	8873.92	169.12	-693.17	-99.52	5.67
	9070.00	59.44	110.01	8900.68	207.60	-706.50	-89.57	5.56
	9117.00	64.95	107.48	8920.60	247.77	-719.83	-79.63	12.65
	9164.00	73.18	105.09	8937.38	290.53	-732.48	-69.67	17.73
	9211.00	82.19	106.25	8947.40	335.36	-745.26	-59.68	19.17
	9228.00	84.49	106.56	8949.37	351.84	-750.03	-50.27	13.65
7" Casing	9283.00	86.10	107.14	8953.88	405.27	-755.92	-40.73	3.12
	9335.00	87.63	107.69	8958.72	455.75	-781.46	-30.27	3.12
	9429.00	90.17	104.42	8968.62	547.62	-807.44	-19.57	4.40
	9524.00	90.03	99.95	8966.36	641.51	-827.49	-8.61	4.71
	9618.00	91.41	98.54	8967.16	735.11	-843.40	2.04	1.53
	9713.00	90.86	98.77	8965.28	828.70	-856.51	11.81	1.00
	9807.00	90.72	97.73	8964.00	923.42	-872.00	21.83	1.12
	9901.00	90.10	97.42	8953.33	1017.22	-884.38	31.81	0.74
	9995.00	89.83	96.17	8953.38	1111.10	-895.51	41.82	1.36
	10089.00	89.76	95.01	8953.72	1205.06	-904.87	51.80	1.24
	10183.00	89.78	93.04	8954.11	1299.05	-911.26	61.86	2.10
	10278.00	89.28	90.83	8954.91	1393.96	-914.31	71.90	2.59
	10372.00	89.24	87.82	8956.12	1487.85	-913.03	81.95	2.99
	10467.00	88.87	86.03	8957.69	1581.92	-907.94	91.92	1.92
	10561.00	88.74	86.52	8961.29	1676.01	-901.84	101.95	2.33
	10656.00	87.08	86.50	8966.36	1769.10	-896.21	111.94	0.37
	10750.00	86.80	86.51	8971.43	1862.19	-890.50	121.93	0.31
	10844.00	86.83	86.53	8976.65	1955.26	-884.81	131.92	0.04
	10939.00	87.35	86.51	8981.47	2049.35	-878.05	141.92	0.55
	11033.00	87.36	86.33	8985.80	2142.44	-873.19	151.91	0.19
	11127.00	87.32	86.74	8990.14	2235.56	-867.51	161.90	0.44
	11222.00	87.32	86.50	8994.58	2329.68	-863.57	171.89	1.85
	11316.00	88.11	86.10	8998.33	2423.36	-860.78	181.88	0.94
	11410.00	88.11	86.10	9001.43	2516.82	-857.87	191.87	0.00
	11504.00	88.87	86.56	9003.91	2610.34	-854.93	201.86	0.94
	11598.00	89.76	86.46	9006.03	2703.91	-852.49	211.85	0.96
	11692.00	89.65	88.38	9005.51	2797.48	-849.98	221.84	0.14
	11787.00	89.97	88.13	9006.82	2892.02	-847.00	231.83	0.42
	11881.00	89.79	88.47	9006.01	2986.56	-844.21	241.82	0.41
	11975.00	89.76	87.78	9006.38	3079.08	-841.14	251.81	0.73
	12070.00	88.18	88.15	9007.26	3173.55	-837.76	261.80	0.72
	12164.00	88.55	88.43	9008.30	3267.10	-834.96	271.79	0.49
	12258.00	90.00	88.68	9008.67	3360.68	-832.51	281.78	0.50
	12353.00	89.86	88.33	9008.96	3455.25	-829.85	291.77	0.44
	12447.00	88.94	88.02	9010.10	3549.86	-827.77	301.76	1.06
	12541.00	88.78	88.36	9011.88	3642.44	-825.61	311.75	0.74
	12635.00	88.00	88.05	9013.83	3735.98	-822.98	321.74	0.28
	12729.00	88.80	88.05	9015.63	3828.51	-820.12	331.73	0.48
	12824.00	88.97	88.52	9017.48	3924.03	-817.28	341.72	0.53
	12918.00	88.79	88.20	9019.32	4017.57	-814.69	351.71	0.39
	13013.00	88.73	88.04	9021.37	4112.06	-811.47	361.70	0.18
	13108.00	88.83	88.38	9023.39	4206.57	-808.51	371.69	0.37
	13202.00	88.14	90.17	9025.06	4300.24	-807.32	381.68	1.93
	13297.00	88.11	90.60	9026.51	4396.05	-807.95	391.67	0.45
	13381.00	88.30	90.59	9028.14	4498.88	-808.93	401.66	0.22
	13486.00	88.07	90.42	9030.83	4598.96	-809.76	411.65	0.90
	13580.00	88.63	88.26	9033.20	4697.40	-809.51	421.64	1.44
	13674.00	88.63	87.75	9034.30	4770.97	-807.07	431.63	1.94
	13768.00	87.84	88.52	9036.23	4855.47	-804.07	441.62	2.29
	13864.00	87.38	88.31	9040.18	4959.96	-801.52	451.61	0.58
	13958.00	88.35	88.11	9042.86	5053.45	-798.58	461.60	2.10
	14053.00	88.73	87.93	9044.45	5147.83	-795.31	471.59	0.88
	14148.00	88.73	88.21	9045.72	5242.43	-792.11	481.58	1.09
	14242.00	89.86	88.34	9046.06	5335.97	-789.28	491.57	0.20
	14335.00	89.76	88.24	9046.37	5428.52	-786.50	501.56	0.16
	14430.00	88.00	88.17	9048.23	5523.03	-783.63	511.55	1.85
	14524.00	87.86	88.51	9051.82	5616.52	-780.81	521.54	0.39
	14618.00	88.80	88.03	9054.36	5710.02	-777.97	531.53	1.12
	14712.00	90.79	88.74	9054.70	5803.58	-775.32	541.52	2.26
	14806.00	88.86	88.04	9054.16	5897.14	-772.68	551.51	1.24

Comments	MD (ft)	Incl (°)	Azin Grid (ft)	TVD (ft)	VSEC (ft)	N8 (ft)	BW (ft)	DLS (ft/100ft)
	14901.00	89.73	88.35	9054.60	5991.66	-769.69	5952.97	0.35
	14995.00	89.31	88.12	9065.29	6085.20	-766.79	6046.92	0.51
	15088.00	89.24	87.77	9057.30	6178.86	-763.42	6140.84	1.20
	15184.00	88.36	88.28	9080.13	6273.12	-760.15	6235.74	0.66
	15278.00	89.21	89.84	9062.13	6366.76	-758.61	6329.70	1.98
	15372.00	89.59	89.85	9083.11	6460.51	-758.35	6423.70	0.40
	15466.00	91.17	90.48	9062.49	6554.31	-758.83	6517.89	1.81
	15561.00	89.72	89.85	9061.75	6649.10	-758.98	6612.89	1.83
	15656.00	89.76	89.98	9062.16	6742.88	-758.92	6708.89	0.05
	15750.00	90.00	90.41	9062.38	6837.88	-759.25	6801.68	0.52
	15844.00	89.52	90.30	9062.77	6931.49	-759.83	6895.68	0.52
	15938.00	89.24	89.72	9063.80	7026.27	-759.95	6990.88	1.70
	16033.00	88.73	88.21	9065.46	7119.90	-758.16	7084.64	0.68
	16127.00	88.07	88.03	9068.09	7213.38	-755.07	7178.55	0.73
	16221.00	88.36	88.53	9071.02	7305.88	-752.25	7272.47	0.61
	16316.00	87.97	88.36	9074.04	7400.40	-749.70	7366.38	0.44
	16410.00	88.11	88.34	9077.29	7494.90	-748.96	7461.29	0.16
	16504.00	88.87	88.53	9079.77	7588.43	-744.40	7555.22	0.83
	16598.00	88.94	88.30	9081.58	7682.88	-741.77	7650.17	0.25
	16693.00	88.04	88.32	9083.24	7776.51	-738.00	7744.11	0.11
	16788.00	88.11	87.97	9084.78	7871.02	-736.92	7839.05	0.38
	16882.00	89.86	88.80	9085.62	7964.57	-733.27	7933.00	1.19
	16977.00	88.18	87.97	9086.42	8059.13	-730.60	8027.96	1.13
	17071.00	89.65	87.37	9087.37	8152.66	-728.78	8121.88	0.82
	17166.00	87.63	88.36	9089.61	8247.00	-723.23	8216.78	2.37
	17260.00	88.04	88.14	9093.16	8340.47	-720.35	8310.67	0.49
	17354.00	88.00	87.90	9096.41	8433.92	-717.11	8404.56	0.26
	17448.00	88.21	88.74	9099.52	8527.42	-714.35	8498.46	0.92
	17542.00	88.28	89.01	9102.40	8621.01	-712.51	8592.40	0.30
	17636.00	88.89	88.72	9104.89	8714.61	-710.85	8686.35	0.53
	17730.00	88.93	88.42	9108.81	8808.18	-708.30	8780.30	0.41
	17824.00	88.86	88.48	9108.81	8901.73	-706.76	8874.25	0.29
	17918.00	89.52	88.27	9110.31	8995.28	-703.09	8968.19	0.94
	18012.00	90.79	87.36	9110.05	9088.74	-698.51	9062.12	1.86
	18106.00	88.31	87.52	9108.97	9182.14	-695.31	9156.03	1.58
	18200.00	90.14	88.99	9110.42	9275.68	-692.46	9249.98	1.80
	18294.00	92.03	90.61	9108.64	9369.41	-682.12	9343.95	2.65
	18388.00	89.62	89.81	9107.33	9460.20	-682.45	9434.94	2.79
	18480.00	87.94	89.94	9109.35	9554.84	-682.26	9529.91	1.77
	18574.00	88.90	90.13	9111.95	9648.88	-682.30	9623.87	1.04
	18668.00	88.91	89.89	9115.42	9743.39	-682.15	9718.81	2.15
	18763.00	86.42	89.59	9119.25	9837.04	-681.56	9812.72	1.61
	18858.00	87.87	91.88	9122.32	9931.83	-692.62	9907.86	2.27
	18953.00	88.31	91.28	9123.92	9979.76	-685.86	9955.62	1.24
Last Survey Proj to Bit	18946.00	88.31	91.00	9125.10	10019.70	-694.65	9995.69	0.70

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	1/88.425	17.500	13.375	NAL_NSG+MSHOT-Depth Only	Wolfman 5_4 WOMP Fed Com 2H / Mawbourne Wolfman 5_4 WOMP Fed Com 2H Gyro+MWD Wolfman 5_4 WOMP Fed Com
	1	28.000	28.000	Act Sins	17.500	13.375	NAL_NSG+MSHOT-Depth Only	2H / Mawbourne Wolfman 5_4 WOMP Fed Com 2H Gyro+MWD Wolfman 5_4 WOMP Fed Com
	1	28.000	472.000	Act Sins	17.500	13.375	NAL_NSG+MSHOT	2H / Mawbourne Wolfman 5_4 Wolfman 5_4 WOMP Fed Com
	1	472.000	1835.000	Act Sins	12.250	9.625	NAL_MWD_1.0_DEG	2H / Mawbourne Wolfman 5_4 Wolfman 5_4 WOMP Fed Com
	1	1835.000	9283.000	Act Sins	8.750	5.500	NAL_MWD_1.0_DEG	2H / Mawbourne Wolfman 5_4 Wolfman 5_4 WOMP Fed Com
	1	9283.000	18946.000	Act Sins	6.125	4.500	NAL_MWD_1.0_DEG	2H / Mawbourne Wolfman 5_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)

Schlumberger

February 6, 2020

Mewbourne Oil Company
PO Box 5270
Hobbs, NM 88240

Re:

S5, T23S, R27E Eddy, NM
N 32.3302692 W -104.2201272

CLIENT: Mewbourne Oil Company
WELL: Wolfman 5/4 W0PM Fed Com 2H
FIELD: Wildcat Wolfcamp

RIG: H&P 556
COUNTY: Eddy
API NO: 30-015-46310
JOB NO: 19MLH0379

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>
Addam Accettella FE	Wolfman 5/4 W0PM Fed Com 2H Original Hole	495.00 Ft 18906.00 Ft	October 23, 2019 to November 15, 2019	TelePacer SlimPulse

Schlumberger-Private

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:**

S5, T23S, R27E Eddy, NM

N 32.3302692 W -104.2201272

I, Addam Accettella certify that; I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of October 23, 2019 through November 15, 2019, conduct or supervise the taking of the TelePacer & SlimPulse surveys from a depth of 495.00 feet to a depth of 18906.00 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 Wolfman 5/4 W0PM Fed Com 2H Well (Original Hole) API No. 30-015-46310 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

Addam Accettella

FE

Subscribed and Sworn to before me this 6 day of February (month) 2020 (yr)

My Commission expires:

6/14/23Jean-Paul Langlois

(signature)

Notary Public

Comanche, Oklahoma

(County State)



Schlumberger-Private

Intent ☐ As Drilled ☒

API # 30-015-46310		Operator Name: Mewbourne Oil Company		Property Name: Wolfman 5/4 W0MP Fed Com		Well Number #2H	
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Kick Off Point (KOP)

UL M	Section 5	Township 23S	Range 21E	Lot	Feet 664	From N/S 8600S	Feet 65	From E/W W	County Edley
Latitude 32.3285049					Longitude -104.2206901				NAD 83

First Take Point (FTP)

UL M	Section 5	Township 23S	Range 21E	Lot	Feet 585	From N/S S	Feet 428	From E/W W	County Edley
Latitude 32.3282985					Longitude -104.2195151				NAD 83

Last Take Point (LTP)

UL P	Section 4	Township 23S	Range 21E	Lot	Feet 440	From N/S S	Feet 370	From E/W E	County Edley
Latitude 32.3283298					Longitude -104.1879522				NAD 83

Is this well the defining well for the Horizontal Spacing Unit? ☐

Is this well an infill well?

☒ yes

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API # 30-015-44544		Operator Name: Mewbourne Oil Co		Property Name: Wolfman 5/4 W0 LT Fed Com		Well Number 1H	
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KZ 06/29/2018

Form 3160-4
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other						5. Lease Serial No. NMNM118704			
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. Other _____						6. If Indian, Allottee or Tribe Name			
2. Name of Operator MEWBOURNE OIL COMPANY						7. Unit or CA Agreement Name and No.			
Contact: JACKIE LATHAN E-Mail: jlathan@mewbourne.com						8. Lease Name and Well No. WOLFMAN 5/4 WOMP FED COM 2H			
3. Address PO BOX 5270 HOBBS, NM 88241				3a. Phone No. (include area code) Ph: 575-393-5905		9. API Well No. 30-015-46310			
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 5 T23S R27E Mer At surface SWSW 1305FSL 240FWL Sec 5 T23S R27E Mer NMP At top prod interval reported below SWSW 585FSL 428FWL Sec 4 T23S R27E Mer NMP At total depth SESE 490FSL 321FEL						10. Field and Pool, or Exploratory PURPLE SAGE; WOLFCAMP			
						11. Sec., T., R., M., or Block and Survey or Arca Sec 5 T23S R27E Mer			
						12. County or Parish EDDY			
						13. State NM			
14. Date Spudded 10/21/2019		15. Date T.D. Reached 11/15/2019		16. Date Completed ☐ D & A ☒ Ready to Prod. 01/21/2020		17. Elevations (DF, KB, RT, GL)* 3181 GL			
18. Total Depth: MD TVD 18946 9125		19. Plug Back T.D.: MD TVD 18890 9125		20. Depth Bridge Plug Set: MD TVD					
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CCL/GR/CNL/CBL						22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit analysis) Directional Survey? ☐ No ☒ Yes (Submit analysis)			
23. Casing and Liner Record (Report all strings set in well)									
Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J55	54.5	0	457		350	137	0	
12.250	9.625 HCL80	40.0	0	1837		575	162	0	
8.750	7.000 HCP110	29.0	0	9283		850	383	0	
6.125	4.500 HCP110	13.5	8414	18921		600	266	0	
24. Tubing Record									
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	
25. Producing Intervals									
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status			
A) WOLFCAMP	8830	18946	9106 TO 18890	0.390	2124	OPEN			
B)									
C)									
D)									
27. Acid, Fracture, Treatment, Cement Squeeze, Etc.									
Depth Interval	Amount and Type of Material								
9106 TO 18890	24,540.096 GALS SLICKWATER CARRYING 24,431.370# LOCAL 100 MESH SAND								
28. Production - Interval A									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
01/21/2019	01/27/2020	24	→	814.0	1177.0	2810.0			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
26/64	SI	1200.0	→	814	1177	2810	1445	PGW	
28a. Production - Interval B									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #502860 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

28b. Production - Interval C									
Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D									
Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas(Sold, used for fuel, vented, etc.)
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
WOLFCAMP	8830	18946	OIL & GAS	CASTILE	547
				RAMSEY	1626
				DELAWARE	1859
				BELL CANYON	2005
				MANZANITA	2884
				BRUSHY CANYON	4136
				BONE SPRING	5324
				WOLFCAMP	8830

32. Additional remarks (include plugging procedure):
Logs will be sent by regular mail.

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7. Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

**Electronic Submission #502860 Verified by the BLM Well Information System.
For MEWBOURNE OIL COMPANY, sent to the Carlsbad**

Name (please print) JACKIE LATHAN Title REGULATORY

Signature (Electronic Submission) Date 02/12/2020

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 20198

CONDITIONS OF APPROVAL

Operator:	MEWBOURNE OIL CO	P.O. Box 5270	Hobbs, NM88241	OGRID:	14744	Action Number:	20198	Action Type:	C-104C
OCD Reviewer									Condition
jagarcia									None