

SUNDRY NOTICES AND REPORTS ON WELLS
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.***SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well ☐ Oil Well ☒ Gas Well ☐ Other		5. Lease Serial No. NMNM118704
2. Name of Operator MEWBOURNE OIL COMPANY Contact: JACKIE LATHAN E-Mail: jlathan@mewbourne.com		6. If Indian, Allottee or Tribe Name
3a. Address P O BOX 5270 HOBBS, NM 88241	3b. Phone No. (include area code) Ph: 575-393-5905 Fx: 575-393-5905	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 5 T23S R27E SWSW 1305FSL 240FWL 32.330269 N Lat, 104.220131 W Lon		8. Well Name and No. WOLFMAN 5/4 WOPM FED COM 2H
		9. API Well No. 30-015-46310-00-X1
		10. Field and Pool or Exploratory Area WILDCAT-WOLFCAMP
		11. County or Parish, State EDDY COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
☐ Notice of Intent	☐ Acidize
☒ Subsequent Report	☐ Deepen
☐ Final Abandonment Notice	☐ Hydraulic Fracturing
	☐ Production (Start/Resume)
	☐ Alter Casing
	☐ Reclamation
	☐ Casing Repair
	☐ New Construction
	☐ Recomplete
	☐ Change Plans
	☐ Plug and Abandon
	☐ Temporarily Abandon
	☐ Convert to Injection
	☐ Plug Back
	☐ Water Disposal
	☐ Water Shut-Off
	☐ Well Integrity
	☒ Other Hydraulic Fracture

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomple in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

01/07/20 Frac Horizontal Wolfcamp from 9106' MD (8921' TVD) to 18890' MD (9979' TVD). 2124 holes, 0.39" EHD, 120 deg phasing. Frac in 59 stages w/24,540,096 gals of SW, carrying 24,431,370# Local 100 Mesh Sand.

Flowback well for cleanup.

01/21/2020 Put well on production.

We are asking for an exemption from tubing at this time.

Bond on file: NM1693 nationwide & NMB000919

gc 4/24/2020

Accepted for record – NMOCD

14. I hereby certify that the foregoing is true and correct. Electronic Submission #502862 verified by the BLM Well Information System For MEWBOURNE OIL COMPANY, sent to the Carlsbad Committed to AFMSS for processing by PRISCILLA PEREZ on 02/13/2020 (20PP1216SE)	
Name (Printed/Typed) JACKIE LATHAN	Title AUTHORIZED REPRESENTATIVE
Signature (Electronic Submission)	Date 02/12/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ACCEPTED	JONATHON SHEPARD PETROLEUM ENGINEER	Date 02/13/2020
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office Carlsbad

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.

(Instructions on page 2)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Revisions to Operator-Submitted EC Data for Sundry Notice #502862

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	HF SR	HF SR
Lease:	NMNM118704	NMNM118704
Agreement:		
Operator:	MEWBOURNE OIL COMPANY PO BOX 5270 HOBBS, NM 88241 Ph: 575-393-5905	MEWBOURNE OIL COMPANY P O BOX 5270 HOBBS, NM 88241 Ph: 575.393.5905
Admin Contact:	JACKIE LATHAN AUTHORIZED REPRESENTATIVE E-Mail: jlathan@mewbourne.com Ph: 575-393-5905	JACKIE LATHAN AUTHORIZED REPRESENTATIVE E-Mail: jlathan@mewbourne.com Ph: 575-393-5905 Fx: 575-393-5905
Tech Contact:	JACKIE LATHAN AUTHORIZED REPRESENTATIVE E-Mail: jlathan@mewbourne.com Ph: 575-393-5905	JACKIE LATHAN AUTHORIZED REPRESENTATIVE E-Mail: jlathan@mewbourne.com Ph: 575-393-5905 Fx: 575-393-5905
Location:		
State:	NM	NM
County:	EDDY	EDDY
Field/Pool:	PURPLE SAGE; WOLFCAMP	WILDCAT-WOLFCAMP
Well/Facility:	WOLFMAN 5/4 W0MP FED COM 2H Sec 5 T23S R27E Mer NMP SWSW 1305FSL 240FWL	WOLFMAN 5/4 W0PM FED COM 2H Sec 5 T23S R27E SWSW 1305FSL 240FWL 32.330269 N Lat, 104.220131 W Lon

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		9. API Well No. 30-015-46310	
3a. Phone No. (include area code) Ph: 575-393-5905		10. Field and Pool, or Exploratory PURPLE SAGE; WOLFCAMP	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Sec 5 T23S R27E Mer SWSW 1305FSL 240FWL At top prod interval reported below Sec 5 T23S R27E Mer NMP SWSW 585FSL 428FWL At total depth Sec 4 T23S R27E Mer NMP SESE 490FSL 321FEL		11. Sec., T., R., M., or Block and Survey or Area 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 18946 TVD 9125		19. Plug Back T.D.: MD 18890 TVD 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)						

26. Perforation Record

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 RAMSEY DELAWARE BELL CANYON MANZANITA BRUSHY CANYON BONE SPRING WOLFCAMP	547 1626 1859 2005 2884 4136 5324 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 LATHANTitle 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 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
Submit one copy to appropriate
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 328140	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 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 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: Jackie Lathan Date: 2/6/2018 Printed Name: Jackie Lathan E-mail Address:					
18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. 8-03-2018 Date of Survey Signature and Seal of Professional Surveyor 19680 Certificate Number REV: 3-14-19 NAME/BHL LS1806837					

Intent ☐ As Drilled ☒

API #
30-015-46310

Operator Name:
Mewbourne Oil Company

Property Name:
Wolfman 5/4 W0MP Fed Com

Well Number
#2H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
M	5	235	27E		664	664 S	65	W	Edley
Latitude					Longitude				NAD
32.3285049					-104.2206901				83

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
M	5	235	27E		585	585 S	428	W	Edley
Latitude					Longitude				NAD
32.3282985					-104.2195151				83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
P	4	235	27E		440	440 S	377	E	Edley
Latitude					Longitude				NAD
32.3283298					-104.1879522				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 #
30-015-44544

Operator Name:
Mewbourne Oil Co

Property Name:
Wolfman 5/4 W0 LT Fed Com

Well Number
1H

KZ 06/29/2018

Mewbourne Wolfman 5_4 WOMP Fed Com 2H Gyro+MWD 0ft 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 / API#: Unknown / Unknown
Survey Name: Mewbourne Wolfman 5_4 WOMP Fed Com 2H Gyro+MWD 0ft to 18946ft MD
Survey Date: October 18, 2019
Tort / AHD / DDI / ERD Ratio: 249.115 ° / 10876.290 ft / 6.750 / 1.192
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 19' 48.96881", W 104° 13' 12.45776"
Location Grid N/E Y/X: N 483902.500 RUS, E 576303.700 RUS
CRS Grid Convergence Angle: 0.0605 °
Grid Scale Factor: 0.99991049
Version / Patch: 2.10.782.0

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 93.920 ° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 3209.000 ft above MSL
Seabed / Ground Elevation: 3181.000 ft above MSL
Magnetic Declination: 7.197 °
Total Gravity Field Strength: 998.4882mgn (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 47847.388 nT
Magnetic Dip Angle: 58.987 °
Declination Date: October 18, 2019
Magnetic Declination Model: HDGM 2019
North Reference: Grid North
Grid Convergence Used: 0.0605 °
Total Corr Mag North->Grid North: 7.1364 °
Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)
Surface	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Location	100.00	0.50	148.62	100.00	0.25	-0.37	0.23	0.50
	200.00	0.78	147.58	199.99	0.91	-1.32	0.82	0.28
	300.00	0.30	116.28	299.99	1.55	-2.01	1.42	0.55
	397.00	0.82	89.27	395.98	2.48	-2.11	2.34	0.59
13-3/8" Casing	472.00	0.88	112.64	471.97	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	625.00	1.62	166.14	624.94	5.42	-4.78	5.10	0.93
	685.00	3.83	184.67	684.87	5.65	-7.60	5.14	3.92
	745.00	6.39	185.23	744.63	5.55	-12.92	4.68	4.27
	843.00	7.85	198.10	841.88	3.78	-24.72	2.10	2.20
	937.00	5.02	209.57	935.28	0.43	-34.40	-1.93	3.29
	1032.00	4.35	193.34	1029.96	-1.96	-41.52	-4.81	1.56
	1127.00	4.33	183.57	1124.69	-2.53	-48.60	-5.86	0.78
	1222.00	5.50	184.99	1219.34	-2.59	-56.72	-6.48	1.24
	1316.00	5.00	183.84	1312.95	-2.67	-65.29	-7.15	0.54
	1410.00	5.16	191.10	1406.58	-3.19	-73.53	-8.24	0.70
	1505.00	4.70	195.26	1501.23	-4.49	-81.48	-10.08	0.61
	1599.00	4.67	183.01	1594.92	-5.19	-89.01	-11.30	1.06
	1683.00	5.23	194.46	1688.57	-5.91	-96.98	-12.57	1.21
	1787.00	5.33	196.12	1782.17	-7.62	-105.33	-14.85	0.19
9-5/8" Casing	1835.00	5.31	197.16	1829.96	-8.60	-109.59	-16.13	0.20
	1911.00	5.29	198.83	1905.64	-10.30	-116.27	-18.29	0.20
	2006.00	5.15	200.07	2000.24	-12.62	-124.42	-21.17	0.19
	2100.00	5.07	201.87	2093.87	-15.07	-132.24	-24.17	0.19
	2184.00	4.81	200.71	2187.52	-17.49	-139.78	-27.11	0.30
	2288.00	4.66	199.29	2281.19	-19.88	-147.22	-29.82	0.14
	2382.00	4.61	200.94	2374.86	-21.84	-154.51	-32.48	0.30
	2476.00	4.39	200.60	2468.58	-23.98	-161.40	-35.10	0.24
	2570.00	4.09	199.47	2562.32	-25.81	-167.93	-37.48	0.33
	2664.00	3.98	200.16	2656.08	-27.72	-174.16	-39.72	0.13
	2758.00	3.76	200.13	2749.87	-29.50	-180.11	-41.91	0.23
	2852.00	4.63	201.41	2843.62	-31.50	-186.54	-44.35	0.93
	2946.00	4.89	200.75	2937.29	-33.80	-193.82	-47.18	0.28
	3041.00	4.54	202.07	3031.97	-36.14	-201.09	-50.00	0.39
	3135.00	4.49	202.87	3125.69	-38.49	-207.93	-52.83	0.09
	3230.00	4.21	200.85	3220.41	-40.72	-214.61	-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	1.60
	3700.00	5.64	206.70	3688.82	-53.84	-249.54	-71.06	0.16
	3794.00	6.30	198.53	3782.31	-56.92	-258.55	-74.78	1.14
	3888.00	6.46	197.58	3875.73	-59.47	-268.48	-78.01	0.20
	3983.00	5.90	199.05	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	183.66	4157.31	-65.78	-295.44	-86.18	1.79
	4266.00	4.78	188.35	4251.98	-65.93	-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	-317.95	-88.57	0.38
	4549.00	3.99	187.18	4534.17	-66.90	-324.66	-89.30	0.20
	4644.00	5.17	205.50	4628.87	-68.67	-331.71	-91.56	1.96
	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	4.51	201.46	4810.82	-76.96	-353.91	-101.40	0.37
	5021.00	4.44	202.03	5004.63	-79.21	-360.72	-104.11	0.09
	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	0.26
	5304.00	5.09	197.36	5286.89	-86.28	-381.17	-111.60	1.05
	5398.00	4.75	194.90	5381.34	-87.01	-388.99	-113.87	0.42
	5493.00	4.53	197.04	5475.03	-88.59	-396.30	-115.96	0.30
	5587.00	5.36	197.49	5568.88	-90.47	-404.04	-118.36	0.88
	5682.00	5.42	204.28	5663.26	-93.07	-412.36	-121.54	0.67
	5776.00	5.26	209.98	5756.86	-96.51	-420.14	-125.52	0.59
	5871.00	5.70	194.12	5851.43	-98.26	-428.49	-128.85	1.86
	5965.00	5.73	191.02	5944.96	-100.86	-437.62	-130.89	0.33
	6060.00	5.32	192.65	6039.52	-101.92	-446.57	-132.76	0.46
	6155.00	4.99	192.08	6134.14	-103.17	-454.91	-134.59	0.35
	6249.00	5.31	191.90	6227.76	-104.36	-463.17	-136.34	0.34

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (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	6415.91	-106.46	-480.69	-139.65	0.46
	6533.00	4.99	191.26	6510.53	-107.27	-488.11	-141.04	0.49
	6628.00	4.63	187.86	6605.19	-108.05	-496.96	-142.35	0.49
	6722.00	4.87	186.86	6698.87	-108.50	-504.88	-143.34	0.26
	6817.00	3.96	191.00	6793.59	-109.11	-511.91	-144.44	1.01
	6911.00	3.89	191.31	6887.37	-109.92	-518.22	-145.69	0.08
	7006.00	4.15	196.36	6982.13	-111.08	-524.68	-147.29	0.46
	7100.00	3.78	196.72	7075.91	-112.49	-530.91	-149.14	0.39
	7194.00	3.73	196.01	7169.71	-113.82	-536.82	-150.87	0.07
	7290.00	3.65	196.05	7265.51	-115.12	-542.75	-152.58	0.08
	7385.00	3.99	198.86	7360.30	-116.66	-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	-581.69	-163.41	0.86
	7856.00	5.02	184.52	7829.37	-123.58	-589.95	-164.27	0.29
	7952.00	4.74	185.07	7925.02	-123.68	-598.09	-164.85	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	-125.09	-615.00	-167.53	0.18
	8235.00	4.54	191.66	8206.88	-125.95	-623.09	-168.94	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	-636.87	-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	-641.68	-172.17	11.18
	8550.00	10.09	97.10	8520.77	-122.23	-642.90	-166.57	13.51
	8597.00	17.89	93.93	8566.35	-110.89	-643.90	-155.27	16.67
	8644.00	24.86	94.01	8610.09	-93.77	-645.09	-138.19	14.83
	8692.00	31.71	96.99	8652.33	-71.05	-647.33	-115.58	14.57
	8739.00	38.77	97.09	8690.69	-43.99	-650.86	-88.68	15.02
	8786.00	43.64	96.57	8726.04	-13.08	-654.33	-57.95	10.39
	8833.00	47.85	97.30	8758.84	20.53	-658.40	-24.54	9.03
	8881.00	51.08	99.24	8790.03	56.90	-663.66	11.55	7.40
	8928.00	52.40	103.55	8819.14	93.47	-670.96	47.71	7.73
	8976.00	54.89	106.97	8847.60	131.36	-681.15	84.99	7.73
	9023.00	56.98	108.97	8873.92	169.12	-693.17	122.02	5.67
	9070.00	59.44	110.01	8898.68	207.60	-706.50	159.67	5.56
	9117.00	64.95	107.48	8920.60	247.77	-719.83	198.03	12.65
	9164.00	73.18	106.09	8937.38	290.53	-732.48	241.02	17.73
	9211.00	82.19	106.25	8947.40	335.36	-745.26	285.08	19.17
	9228.00	84.49	106.56	8949.37	351.84	-750.03	301.27	13.65
	9283.00	86.10	107.14	8953.88	405.27	-765.92	353.73	3.12
	9335.00	87.63	107.69	8956.72	455.75	-781.46	403.27	3.12
	9429.00	90.17	104.42	8958.52	547.62	-807.44	493.57	4.40
	9524.00	90.03	99.95	8958.36	641.61	-827.49	586.41	4.71
	9618.00	91.41	99.54	8957.18	735.11	-843.40	679.04	1.53
	9713.00	90.86	98.77	8955.29	829.70	-858.51	772.81	1.00
	9807.00	90.72	97.73	8954.00	923.42	-872.00	865.83	1.12
	9901.00	90.10	97.42	8953.33	1017.22	-884.39	959.01	0.74
	9995.00	89.63	96.17	8953.38	1111.10	-895.51	1052.34	1.36
	10089.00	89.76	95.01	8953.72	1205.06	-904.67	1145.89	1.24
	10183.00	89.76	93.04	8954.11	1299.05	-911.26	1239.66	2.10
	10278.00	89.28	90.63	8954.91	1393.98	-914.31	1334.60	2.59
	10372.00	89.24	87.82	8956.12	1487.65	-913.03	1428.57	2.99
	10467.00	88.87	86.03	8957.69	1581.92	-907.94	1523.42	1.92
	10561.00	86.74	86.52	8961.29	1675.01	-901.84	1617.15	2.33
	10655.00	87.08	86.50	8966.36	1768.10	-896.21	1710.84	0.37
	10750.00	86.80	86.51	8971.43	1862.19	-890.50	1805.53	0.31
	10844.00	86.83	86.53	8976.65	1955.26	-884.81	1899.21	0.04
	10939.00	87.35	86.51	8981.47	2049.35	-879.05	1993.92	0.55
	11033.00	87.38	86.33	8985.80	2142.44	-873.19	2087.63	0.19
	11127.00	87.32	86.74	8990.14	2235.56	-867.51	2181.36	0.44
	11222.00	87.32	88.50	8994.58	2329.88	-863.57	2276.17	1.85
	11316.00	88.11	88.10	8998.33	2423.36	-860.78	2370.05	0.94
	11410.00	88.11	88.10	9001.43	2516.82	-857.67	2463.95	0.00
	11504.00	88.87	88.55	9003.91	2610.34	-854.93	2557.88	0.94
	11598.00	89.76	88.46	9005.03	2703.91	-852.49	2651.84	0.95
	11692.00	89.66	88.38	9005.51	2797.48	-849.89	2745.80	0.14
	11787.00	89.97	88.13	9005.82	2892.02	-847.00	2840.76	0.42
	11881.00	89.79	88.47	9006.01	2985.56	-844.21	2934.72	0.41
	11975.00	89.76	87.78	9006.38	3079.08	-841.14	3028.66	0.73
	12070.00	89.18	88.15	9007.26	3173.56	-837.76	3123.60	0.72
	12164.00	89.55	88.43	9008.30	3267.10	-834.96	3217.55	0.49
	12258.00	90.00	88.58	9008.67	3360.68	-832.51	3311.52	0.50
	12353.00	89.66	88.33	9008.95	3455.25	-829.95	3406.48	0.44
	12447.00	88.94	89.02	9010.10	3549.85	-827.77	3500.45	1.06
	12541.00	88.76	88.35	9011.99	3642.44	-825.61	3594.41	0.74
	12635.00	88.00	88.45	9013.83	3735.98	-822.99	3688.35	0.28
	12729.00	88.80	88.05	9015.63	3829.51	-820.12	3782.29	0.48
	12824.00	88.97	88.52	9017.48	3924.03	-817.28	3877.23	0.53
	12918.00	88.79	88.20	9019.32	4017.57	-814.59	3971.17	0.39
	13013.00	88.73	88.04	9021.37	4112.06	-811.47	4066.10	0.16
	13108.00	88.83	88.38	9023.39	4206.57	-808.51	4161.03	0.37
	13202.00	89.14	90.17	9025.06	4300.24	-807.32	4255.00	1.93
	13297.00	89.11	90.60	9026.51	4395.05	-807.95	4349.99	0.45
	13391.00	88.90	90.59	9028.14	4488.88	-808.83	4443.97	0.22
	13485.00	88.07	90.42	9030.63	4582.68	-809.76	4537.93	0.90
	13580.00	88.83	89.28	9033.20	4677.40	-809.51	4632.90	1.44
	13674.00	88.83	87.75	9034.30	4770.97	-807.07	4726.86	1.94
	13769.00	87.84	88.62	9036.23	4865.47	-804.07	4821.78	2.29
	13864.00	87.39	88.31	9040.18	4959.96	-801.52	4916.67	0.58
	13958.00	89.35	88.11	9042.86	5053.45	-798.59	5010.58	2.10
	14053.00	88.73	87.93	9044.45	5147.93	-795.31	5105.51	0.68
	14148.00	89.73	88.21	9045.72	5242.43	-792.11	5200.44	1.09
	14242.00	89.86	88.34	9046.06	5335.97	-789.28	5294.40	0.20
	14335.00	89.76	88.24	9046.37	5428.52	-786.50	5387.36	0.15
	14430.00	88.00	88.17	9048.23	5523.03	-783.53	5482.29	1.85
	14524.00	87.86	88.51	9051.62	5616.52	-780.81	5576.19	0.39
	14618.00	88.80	88.03	9054.36	5710.02	-777.97	5670.10	1.12
	14712.00	90.79	88.74	9054.70	5803.58	-775.32	5764.05	2.25
	14806.00	89.86	88.04	9054.16	5897.14	-772.68	5858.02	1.24

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS ("/100ft)
	14901.00	89.73	88.35	9054.50	5991.66	-786.68	5952.97	0.35
	14995.00	89.31	88.12	9055.29	6085.20	-786.79	6046.92	0.51
	15088.00	88.24	87.77	9057.30	6178.66	-763.42	6140.84	1.20
	15184.00	88.35	88.28	9060.13	6273.12	-760.15	6235.74	0.55
	15278.00	89.21	88.84	9062.13	6366.76	-758.61	6329.70	1.88
	15372.00	89.59	89.85	9063.11	6460.51	-758.35	6423.70	0.40
	15466.00	91.17	90.48	9062.49	6554.31	-758.63	6517.69	1.81
	15561.00	89.72	89.95	9061.75	6649.10	-758.98	6612.69	1.63
	15655.00	89.76	89.98	9062.18	6742.88	-758.92	6705.69	0.05
	15750.00	90.00	90.41	9062.38	6837.68	-759.25	6801.68	0.52
	15844.00	89.52	90.30	9062.77	6931.49	-759.83	6895.68	0.52
	15939.00	89.24	89.72	9063.80	7026.27	-759.85	6990.68	0.68
	16033.00	88.73	88.21	9065.46	7119.90	-758.15	7084.64	1.70
	16127.00	88.07	88.03	9068.09	7213.38	-755.07	7178.55	0.73
	16221.00	88.35	88.53	9071.02	7306.88	-752.25	7272.47	0.61
	16315.00	87.97	88.36	9074.04	7400.40	-749.70	7366.38	0.44
	16410.00	88.11	88.34	9077.29	7494.90	-746.96	7461.29	0.15
	16504.00	88.87	88.53	9079.77	7588.43	-744.40	7555.22	0.83
	16598.00	88.94	88.30	9081.58	7682.98	-741.77	7650.17	0.25
	16693.00	89.04	88.32	9083.24	7776.51	-739.00	7744.11	0.11
	16788.00	89.11	87.97	9084.78	7871.02	-735.92	7839.05	0.38
	16882.00	89.86	88.80	9085.62	7964.57	-733.27	7933.00	1.19
	16977.00	89.18	87.97	9086.42	8059.13	-730.60	8027.96	1.13
	17071.00	89.66	87.37	9087.37	8152.56	-728.78	8121.88	0.82
	17166.00	87.63	88.35	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	88.69	88.72	9104.89	8714.61	-710.65	8686.35	0.53
	17730.00	88.93	88.42	9106.84	8808.18	-708.30	8780.30	0.41
	17824.00	88.66	88.48	9108.81	8901.73	-705.76	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	-699.51	9062.12	1.66
	18106.00	89.31	87.52	9109.97	9182.14	-695.31	9156.03	1.58
	18200.00	90.14	88.99	9110.42	9275.68	-692.45	9249.98	1.80
	18294.00	92.03	90.61	9108.64	9369.41	-692.12	9343.95	2.65
	18385.00	89.62	88.81	9107.33	9460.20	-692.45	9434.94	2.79
	18480.00	87.94	89.94	9109.35	9554.94	-692.25	9529.91	1.77
	18574.00	88.90	90.13	9111.95	9648.69	-692.30	9623.87	1.04
	18669.00	86.91	89.69	9115.42	9743.39	-692.15	9718.81	2.15
	18763.00	88.42	89.59	9119.25	9837.04	-691.56	9812.72	1.61
	18858.00	87.87	91.68	9122.32	9931.83	-692.62	9907.66	2.27
	18906.00	88.31	91.28	9123.92	9979.76	-693.86	9955.62	1.24
Last Survey Proj to Bit	18946.00	88.31	91.00	9125.10	10019.70	-694.65	9995.59	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	1/98.425	17.500	13.375	NAL_NSG+MSHOT-Depth Only	Wolfman 5_4 WOMP Fed Com 2H / Mewbourne Wolfman 5_4 WOMP Fed Com 2H Gyro+MWD
	1	28.000	28.000	Act Stns	17.500	13.375	NAL_NSG+MSHOT-Depth Only	Wolfman 5_4 WOMP Fed Com 2H / Mewbourne Wolfman 5_4 WOMP Fed Com 2H Gyro+MWD
	1	28.000	472.000	Act Stns	17.500	13.375	NAL_NSG+MSHOT	Wolfman 5_4 WOMP Fed Com 2H / Mewbourne Wolfman 5_4 Wolfman 5_4 WOMP Fed Com
	1	472.000	1835.000	Act Stns	12.250	9.625	NAL_MWD_1.0_DEG	2H / Mewbourne Wolfman 5_4 Wolfman 5_4 WOMP Fed Com
	1	1835.000	9283.000	Act Stns	8.750	5.500	NAL_MWD_1.0_DEG	2H / Mewbourne Wolfman 5_4 Wolfman 5_4 WOMP Fed Com
	1	9283.000	18946.000	Act Stns	6.125	4.500	NAL_MWD_1.0_DEG	2H / Mewbourne 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

Oilfield Services, Central U.S. & Gulf of Mexico
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 WOPM 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:

6/14/23

Notary Public

Jean-Paul Langlois
Comanche, Oklahoma
(County State)

(signature)



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	
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 W0MP Fed Com		⁹ Well Number 2H

II. ¹⁰ Surface Location

UL or lot no. M	Section 5	Township 23S	Range 27E	Lot Idn	Feet from the 1305	North/South line South	Feet from the 240	East/West line West	County Eddy
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¹¹ Bottom Hole Location

UL or lot no. P	Section 4	Township 23S	Range 27E	Lot Idn	Feet from the 490	North/South line South	Feet from the 321	East/West line East	County 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 Oryx 4000 N. Big Spring Suite 400 Midland, TX 79705 Enterprise Field Services PO Box 4503 Houston, Texas 77210	²⁰ O/G/W O G
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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 PBTD 18890'	²⁵ Perforations 9106' - 18890'	²⁶ DHC, MC NA
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 ½"	13 ¾" 54.5# J55	457'	350		
12 ¼"	9 ¾" 40# HCL80	1837'	575		
8 ¾"	7" 29# P110	9283'	850		
6 ⅞"	4 ½" 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:

Printed name
Jackie Lathan

Title:

Regulatory

E-mail Address:

jlathan@mewbourne.com

Date:

02/07/2020

Phone:

575-393-5905

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date: