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Form C-105
Revised 1-1-65

NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease State ☒ Fee ☐
5. State Oil & Gas Lease No. L-5391
7. Unit Agreement Name
8. Farm or Lease Name State MM
9. Well No. 1
10. Field and Pool, or Wildcat Vac. Abo North
12. County Lea

1a. TYPE OF WELL OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER _____
b. TYPE OF COMPLETION NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER _____

2. Name of Operator
Mobil Oil Corporation

3. Address of Operator
Box 633, Midland, TX 79701

4. Location of Well
UNIT LETTER **P** LOCATED **460** FEET FROM THE **South** LINE AND **660** FEET FROM

THE **East** LINE OF SEC. **7** TWP. **17-S** RGE. **35-E** NMPM

15. Date Spudded 5-13-72	16. Date T.D. Reached 6-10-72	17. Date Compl. (Ready to Prod.) 6-14-72	18. Elevations (DF, RKB, RT, GR, etc.) 4000 GR	19. Elev. Casinghead
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20. Total Depth 8975	21. Plug Back T.D.	22. If Multiple Compl., How Many No	23. Intervals Drilled By X	Rotary Tools	Cable Tools
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24. Producing Interval(s), of this completion — Top, Bottom, Name 8776-8877 - Vacuum Abo, North	25. Was Directional Survey Made No
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26. Type Electric and Other Logs Run OH Log; GR-SWN-Caliper, Lateralog, GR-Collar	27. Was Well Cored No
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28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
12 3/4"	35	291	17 1/2	450 x	
8 5/8"	28	3260	11	1400 x	
5 1/2	17	8975	7 5/8	2300 x	

29. LINER RECORD				30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET
					2 3/8	8925

31. Perforation Record (Interval, size and number) 8776;77;82;83;8829;31;32;35;36;37;38;57;58; 66;67;68;71;72;73; & 8877 w/1 JSPF, total 20 holes	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
	8776-8877	10,000 gals 15% NE Acid

33. PRODUCTION							
Date First Production 6-16-72	Production Method (Flowing, gas lift, pumping — Size and type pump) Pump Flow 2 x 1 1/4 x 12					Well Status (Prod. or Shut-in) Prod.	
Date of Test 6-25-72	Hours Tested 24	Choke Size	Prod'n. For Test Period 157	Oil — Bbl.	Gas — MCF 108.0	Water — Bbl. 5	Gas — Oil Ratio 690
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate 36.7	Oil — Bbl.	Gas — MCF	Water — Bbl.	Oil Gravity — API (Corr.)	

34. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold	Test Witnessed By H. R. Elledge
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35. List of Attachments
(1) Daily Drilling Report Summary

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED Christine O. Tucker TITLE Proration Clerk DATE 6-26-72

DAILY DRILLING REPORT

STATE "MM" #1

STATE "MM" #1, 660' FSL & 660' FEL, Lea Co, N.M. OBJECTIVE:
Drill and complete single Abo producer. AFE 2118 - Mobil
Intr 100% - Est Cost \$133,000.

5/14/72 (1) 291 ND red bed, 17½" hole, ¼ @ 290, Nat Mud.
WOC on 12-3/4 csg, ran 7 jts 12-3/4 OD ST&C 35# csg, Hallib
cmtd on bottom @ 291 w/ 450x Class H cmt w/ 2% CaCl2, PD @
2:15 p.m. CDT 5/13/72, cem circ (50x) Marcum Drlg Co
spudded 17½" hole 9:30 a.m. 5/13/72.

5/15 (2) 2356 drlg salt & anhy, 11" hole, 1½ @ 1850, Br Wtr.
WOC on 12-3/4 csg a total of 18 hrs.

STATE "MM" #1

5/16 (3) 3100 drlg anhy, 11" hole, 3/4 @ 2780, Br Wtr & Oil, 2% oil.
down 4 hrs @ 2728, twisted off DP under kelly, fish & rec.

STATE "MM" #1

5/17 (4) 3260 ND anhy, WOC on 8-5/8 csg, 11" hole, 10.2-34.
1° @ 3260, circ @ 3260/2 hrs, mixed 50x salt gel while circ,
LD 5½ DP & 6 DC's, ran 79 jts 8-5/8 28# ST&C csg, Hallib cmt
@ 3260 w/ 1200x TLW 7½# salt/x + 200x Class C cmt 2.6# salt/x,
PD 7:15 a.m. CDT 5/17/72, cmt did not circ, lost circ while
cmt.

STATE "MM" #1

5/18 (5) 3260 ND, WOC 3 hrs, ran 1" tbg outside 8-5/8 csg to 180,
Howco circ cmt to surf w/ 50x Class C Neat 2.6# salt/x,
started in hole w/ 7-7/8 bit, stopped @ 1470, POH, ran 7-3/4
x 3" swedge, 1 - 6½ DC, BS, jars & 30 - 6½ DC's on 4½ DP,
swedged csg 1320-1530, POH, prep to run 7-5/8 bit thru tite
spot.

STATE "MM" #1

5/19 (6) 3260 ND, ran 7-5/8 bit, took 12,000# wt @ 1470-1480,
POH, top row of teeth on one cone gone, ran 7-11/16" swedge
to 3141, swedge thru tight place 1470-80, POH, ran 7-7/8"
swedge, swedged 1470-80, ran to 1530 (free), POH, ran Grant
Oil Tool 7-3/4 & 7-7/8 OD csg rollers on BS jars & 31 DC's,
rolled csg 1470-1480, POH, now GIH w/ 7-5/8 bit.

STATE "MM" #1

5/20 (7) 3753 drlg anhy, 7-5/8" hole, NND, Fr Wtr.
ran 7-5/8 bit thru tight place @ 1470 - 8000# drag until top
collars past 1470, tested csg 600#, leaked to 300#/15 min,
DO cmt float & shoe 12½ hrs drlg new hole.

5/21 (8) 4260 drlg anhy, 7-5/8" hole, 3/4 @ 3880. Fr Wtr.

5/22 (9) 4650 drlg 1m, 7-5/8" hole, 3/4 @ 4275. Fr Wtr.

STATE "MM" #1

5/23 (10) 4965 drlg 1m 7-5/8" hole, 3/4° @ 4840. Fr. Wtr.

STATE "MM" #1
5/24 (11) 5182 drlg 1m 7-5/8" hole, 1½° @ 5005. Fr. Wtr.

STATE "MM" #1
5/25 (12) 5492 drlg 1m 7-5/8" hole, NND. Fr. Wtr.

STATE "MM" #1
5/26 (13) 5879 drlg 1m 7-5/8" hole, 1½° 5506. Fr. Wtr.

STATE "MM" #1
5/27 (14) 6112 drlg 1m 7-5/8" hole, 1½° 5925. Fr. Wtr.

5/28 (15) 6342 drlg 1m 7-5/8" hole, 3/4° 6312. Fr. Wtr.

5/29 (16) 6678 drlg 1m 7-5/8" hole, NND Fr. Wtr.

5/30 (17) 6845 drlg 1m 7-5/8" hole, 1/4° 6780. Fr. Wtr.

STATE "MM" #1
5/31 (18) 7058 drlg 1m 7-5/8" hole, NND. Fr. Wtr.

STATE "MM" #1
6/1 (19) 7271 drlg 1m 7-5/8" hole, 1° 7265. Fr. Wtr.

STATE "MM" #1
6/2 (20) 7485 drlg 1m 7-5/8" hole, NND. Fr. Wtr.

STATE "MM" #1
6/3 (21) 7702 drlg 1m, 7-5/8" hole, NND. Fr Wtr.

6/5 (23) 8035 drlg 1m, 7-5/8" hole, 1-3/4 @ 7775. Fr Wtr.

STATE "MM" #1
6/6 (24) 8204 drlg 1m, 7-5/8" hole, 1° @ 8140. Fr Wtr.

STATE "MM" #1
6/7 (25) 8472 drlg 1m, 7-5/8" hole, NND. Fr Wtr.

STATE "MM" #1
6/8 (26) 8720 drlg 1m, 7-5/8" hole, NND. Fr Wtr.

STATE "MM" #1
6/9 (27) 8875 drlg 1m, 7-5/8" hole, 1½ @ 8795. 9.2-34-20.0.

STATE "MM" #1
6/10 (28) 8975 TD 1m, 7-5/8" hole, 1½ @ 8975, 9.6-35-18.0.
finish hole @ 5:30 p.m. 6/9/72, circ 2 hrs, P & LD DP & DC's
Dresser-Atlas running OH logs past 5 hrs.

6/11 8975 TD, WOC on 5½ csg, Dresser-Atlas ran GR-SWN-Caliper logs
0-8966 and Lateralog from 3260-8961 in total of 10 hrs, ran
265 jts 8966' 5½ OD 17.0# J-55 ST&C & LT&C csg cmtd on bottom
@ 8975 by Howco w/ 2300x TILW + ½# Flocele in 1st 1000x + 200x
Class C Neat cmt, PD @ 7:00 p.m. 6/10/72, cmt circ, set slips,
cut off csg, Rel Marcum Drlg Co rig @ 12:00 midnite 6/10/72.

State "MM" #1

- 6/12 8975 TD.
RD tools, prep to MOR.
- 6/13 STATE "MM" #1, 8975 TD.
Set out rig, inst'l unit anchors, prep to MI unit to compl.
- 6/14 STATE "MM" #1, 8975 TD.
MIRU X-Pert Well Serv Unit, inst'l BOP, ran 4-3/4 bit, 5½ csg scraper on 2-3/8 tbq to 8936, tested csg 2000#/ok, displ hole w/ lse oil, spot 500 gals 15% NE acid @ 8900, POH w/ tbq, scraper & bit, SD for nite, prep to perf.
- 6/15 STATE "MM" #1, 8975 TD.
Dresser-Atlas ran GR-Collar-Corr log 8400-8927, then perf 5½ csg in the Abo @ 8776; 77; 82; 83; 8829; 31; 32; 35; 36; 37; 38; 57; 58; 66; 67; 68; 71; 72; 73; & 8877 w/ 1 JSPF, total 20 holes, ran Baker Model R pkr on 2-3/8 tbq set @ 8206, Western Co displ acid into perfs, BDTP 3500, TTP 3500-3900, AIR 1.8 BPM, ISIP 3700, 5 min 2000, S 42 BLO + 12 BNO + 12 BAW/4 hrs, reset pkr @ 8742, Western Co reacidizing perfs w/ 10,000 gals 15% NE acid containing 5# FR/1000 gals used 25 RCNBS, TTP 5000-6500, AIR 6.4 BPM, ISIP 3600, 5 min 3400, job compl 6:50 p.m. 6/14/72, F & S 47 BLO + 60 BAW in 11 hrs, 6000' FIH, gd sh of gas, L hr sw 9 bbls, S/O 40% AW, cont to sw test. - 18 BLO + 180 BAW.
- 6/16 STATE "MM" #1, 8975 TD.
S 18 BLO + 76 BNO + 30 BAW/10 hrs, 4600' FIH, gd sh of gas, L hr sw 13 bbls, S/O 2% AW, SD for nite. - 150 BAW.
- 6/17 STATE "MM" #1, 8975 TD.
SI 12 hrs, TP 210, F 118 BNO/10½ hrs on 48/64 ck, TP 0-50, L hr F 7 bbls, S/O clean, SD for nite. - 150 BAW.
- 6/19 SI 14 hrs, TP 450, F 35 BNO/½ hr on 48/64 ck, TP 450-zero, rel pkr, POH w/ tbq & pkr, LD 2000' 2-3/8 tbq, ran 2-3/8 tbq OP to 8925, T. Perfs 8892-96, SN @ 8891, Guib TA catcher set @ 8750 w/ 21,000# T, 2-3/8 tbq to 2031, 2-7/8 tbq to surf, inst'l wellhead, SD for nite & Sunday. - 165 BLO + 150 BAW.
- 6/20 STATE "MM" #1, 8975 TD.
Ran pump & rods to SN @ 8891, spaced out, RD, Rel unit & Rel well to Prod @ 6:00 p.m. 6/19/72. - 165 BLO + 150 BAW.
- 6/20 POP. - 165 BLO + 150 BAW.
- 6/21 STATE "MM" #1, 8975 TD.
P 149 BLO + 16 BLW/20 hrs. - 16 BLO + 134 BLW.
- 6/22 STATE "MM" #1, 8975 TD.
P 16 BLO + 142 BNO + 7 BLW/24 hrs. - 127 BLW.
- 6/23 STATE "MM" #1, 8975 TD.
P 141 BNO + 3 BLW/24 hrs. - 124 BLW.

STATE "MM" #1, 8975 TD.

6/26/72 P 154 BNO + 21 BLW/2 days.

- 103 BLW.

POTENTIAL NM OCC POT: P 157 BNO + 5 BLW/24 hrs, 12 - 1½ x 84 SPM,
GOR 690/1, Grav 36.7 @ 60, Allow 157 NP, Top 382, Cap 157,
Compl 6/14/72.
FINAL REPORT.