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

Form C-105
Revised 1-1-65

5a. Indicate Type of Lease
State ☒ Fee ☐

5. State Oil & Gas Lease No.
B-2956

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, Texas 79701

7. Unit Agreement Name

8. Farm or Lease Name
State L

9. Well No.
4

10. Field and Pool, or Wildcat
Undesignated

4. Location of Well

UNIT LETTER **D** LOCATED **660** FEET FROM THE **North** LINE AND **660** FEET FROM

THE **West** LINE OF SEC. **21** TWP. **17-S** RGE. **35-E** NMPM

12. County
Lea

15. Date Spudded **3-24-73** 16. Date T.D. Reached **4-13-73** 17. Date Compl. (Ready to Prod.) **5-1-73** 18. Elevations (DF, RKB, RT, GR, etc.) **3960 GR** 19. Elev. Casinghead

20. Total Depth **9100** 21. Plug Back T.D. 22. If Multiple Compl., How Many 23. Intervals Drilled By **X** Rotary Tools Cable Tools

24. Producing Interval(s), of this completion — Top, Bottom, Name
8823-8883 Abo

25. Was Directional Survey Made
No

26. Type Electric and Other Logs Run
SNP & GR, Laterolog, GR-Collar-Corr

27. Was Well Cored
No

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	34	257	17-1/2	400 sx	
8-5/8	28	3240	11	1600 sx	
5 1/2	20.0 & 17.0	9100	7-7/8	2500 sx	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-3/8	9056	--

31. Perforation Record (Interval, size and number)
8823-27, 8829-31, 8838-39, 8842-45, 8850-52, 8857-58, 8863-65, 8867-74 8880-8883

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
8823-8883	10,000 gals. 15% NE Acid

33. PRODUCTION

Date First Production **5-1-73** Production Method (Flowing, gas lift, pumping — Size and type pump) **Pump** Well Status (Prod. or Shut-in) **Prod.**

Date of Test **6-7-73** Hours Tested **24** Choke Size _____ Prod'n. For Test Period _____ Oil — Bbl. **8** Gas — MCF **8** Water — Bbl. **8** Gas — Oil Ratio **1088**

Flow Tubing Press. _____ Casing Pressure _____ Calculated 24-Hour Rate _____ Oil — Bbl. _____ Gas — MCF _____ Water — Bbl. _____ Oil Gravity — API (Corr.) **36.5**

34. Disposition of Gas (Sold, used for fuel, vented, etc.) **Vented** Test Witnessed By **Bill Cummins**

35. List of Attachments
Drilling 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 **6-8-73**

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electric and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Rustler 1786

Southeastern New Mexico

Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates 3060	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers 3153	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen 3953	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres 4607	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzte _____
T. Glorieta 6194	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb 7610	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo 8558	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. Yeso 6399	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	257	257	Redbed				
257	4056	3799	Anhydrite				
4056	4535	479	Lime & Anhydrite				
4535	9100	4565	Lime				

DAILY DRILLING REPORT

STATE "L" #4

STATE "L" #4, 660' FNL & 660' FWL Sec 21, T-17-S, R-35-E, Lea Co, NM. OBJECTIVE: Drill and complete single Abo oil well.

3/15/73 Bldg pad and road, drlg contract awarded to Marcum Drlg Co.

STATE "L" #4

3/16 Bldg pad & road.

STATE "L" #4

3/17 Bldg pad & road.

3/18 & Bldg pad & road - WOR.

3/19

STATE "L" #4

3/20 Bldg pad & road, WOR.

STATE "L" #4

3/21 Bldg pad & road, WOR.

STATE "L" #4

3/22 Bldg pad & road, WOR.

STATE "L" #4

3/23 WORT.

STATE "L" #4

3/24 Marcum Drlg. Co. RURT - 75% RU.

3/25 257' ND Redbed, 17½ hole, 1/4° @ 250,
Ran 6 jts 12-3/4" 34# csg, Dowell Chem.
Co. cmtd @ 257' w/ 400 sx Class H cmt,
2% CaCl₂, 1/4# Cel Flakes/ sx, PD 8:30 p.m.
CST 3-24-73, Cmt circ., Marcum Drlg. Co.
spudded @ 1:00 p.m. 3-24-73.

Nat. Mud

STATE "L" #4

3/26 1791 drlg anhy, 11" hole, 3/4° @ 1700,
WOC - total of 18 hrs.

Br Wtr.

STATE "L" #4

3/27 3031' drlg anhy, 11" hole - 1-3/4° @ 2880

Br Wtr & Oil,
4% Oil

STATE "L" #4

3/28 3240 WOC on 8-5/8 csg, 11" hole, ½ @ 3240,
circ @ 3240/1 hr, LD DP & DC's, ran 79 jts 8-5/8 28# ST&C
LB Foster csg, Dowell cmtd @ 3240 w/ 1400x TLW 7½# salt/x +
200x Class C 2.6# salt/x, PD @ 11:30 p.m. 3/27/73, cmt circ, WOC.

Br Wtr & Oil, 5% oil.

STATE "L" #4

3/29 (5) 3403 drlg anhy, 7-7/8" hole, NNF,
WOC a total of 24 hrs, tested csg & BOP 1000#/30 min/held ok.

Fr Wtr.

STATE "L" #4
 3/30 (6) 4056 drlg lm & anhy, 7-7/8" hole, ½ @ 3750. Fr Wtr.

STATE "L" #4
 3/31 (7) 4535 drlg lm, 7-7/8" hole, 1½ @ 4390. Fr Wtr.

4/2 (9) 5608 drlg lm, 7-7/8" hole, 1° @ 5096. Fr Wtr.

STATE "L" #4
 4/3 (10) 6182 drlg lm, 7-7/8" hole, 1½ @ 6029. Fr Wtr.

STATE "L" #4
 4/4 (11) 6800 drlg lm, 7-7/8" hole, NND. Fr Wtr.

STATE "L" #4
 4/5 (12) 7262 drlg lm, 7-7/8" hole, 1½ @ 7118. Fr Wtr.

STATE "L" #4
 4/6 (13) 7604 ND lm, 7-7/8" hole, 1° @ 7600, Fr Wtr.
 fishing for cone & bit shank past 5 hrs w/ 7-5/8 magnetic
 bskt.

STATE "L" #4
 4/7 (14) 7872 drlg lm, 7-7/8" hole, NND, Fr Wtr.
 4 add'l hrs fish & rec cone & bit shank.

4/9 (16) 8564 drlg lm, 7-7/8" hole, NND. Fr Wtr.

STATE "L" #4
 4/10 (17) 8909 drlg lm, 7-7/8" hole, NND, Fr Wtr.
 now mudding up.

STATE "L" #4
 4/11 (18) 9100 TD lm, 7-7/8" hole, ¼ @ 9030, 9.2-34-20.0.
 circ past 2½ hrs, prep to LD DP & DC's & run logs & csg.

STATE "L" #4
 4/12 9100 TD lm, 7-7/8" hole, 9.2-34-18.0.
 circ ½ add'l hr, P & LD DP & DC's, Dresser-Atlas ran SNP &
 GR logs 0-9112, loggers TD, & Lateralog from 3231-9111/11½
 hrs, ran 274 jts 9100' 5½ OD 20.0# & 17.0# 8rd csg, prep to cmt.

STATE "L" #4
 4/13 9100 TD, WOC 5½ csg, Dowell cmtd 5½ csg on bottom@ 9100 w/
 2300x TLLW cmt w/ ¼# Cellaflake in 1st 1000x + 200x Class C
 Neat cmt, PD @ 8:50 a.m. 4/12/73, cmt circ, set slips, cut off
 csg, RD & Rel Marcum Drlg Co rig @ 3:00 p.m. 4/12/73, prep to
 MOR.

STATE "L" #4, 9100 TD.
 4/14 MOR, prep to MI unit to compl.

4/15 MIRU X-Pert Well Serv unit, inst'l BOP, ran 4-5/8 bit & 5½
 csg scraper on 2-3/8 tbg to 9065, SD for nite.

4/16 Displ hole w/ lse oil, test 5½ csg w/ 1500#/30 min/ok, spot
 500 gals 15% NE acid @ 8870, POH w/ 30 jts of tbg, SD for
 high wind.

STATE "L" #4, 9100 TD.

4/17 Finish POH w/ tbg Dresser-Atlas, ran GR-Collar-Corr log from 7540-9062, then perf 5½ csg in the Abo @ 8823-27; 8829-31; 8838-39; 8842-45; 8850-52; 8857-58; 8863-65; 8867-74; & 8880-8883 w/1 JSPF, total of 34 holes, ran Baker 5½ Model R pkr on 2-3/8 tbg set @ 8017, BJ Serv Co displ 500 gals acid into perfs BDTP 3200, TTP 3900, AIR 2.5 BPM, ISIP 3500, 5 min 3000, bled off press, reset pkr @ 8777, S 23 BLO/1 hr, 4000' FIH, SD for nite.

- 22 BLO + 12 BAW

STATE "L" #4, 9100 TD.

4/18 S 19 BLO & tr of acid wtr/2 hrs, sw dry/1 hr, BJ Serv Co acidized perfs 8823-8883 w/ 10,000 gals 15% NE acid containing 5#/1000 gals friction reducer, used 40 RCNBS, TTP 5800-4500, AIR 6.0 BPM, ISIP 3000, 5 min 3000, job compl @ 12:00 noon 4/17/73, S 35 BLO + 150 BAW/18 hrs, 1800' FIH, NS of gas, L hr sw 5 bbls, S/O tr of oil, cont to sw test.

- 4 BLO + 102 BAW.

STATE "L" #4, 9100 TD.

4/19 S 4 BLO + 15 BNO + 30 BAW/12 hrs, 1200' FIH, sl sh of gas, L hr sw 5 bbls, S/O 15% oil, SD for nite.

- 72 BAW.

STATE "L" #4, 9100 TD.

4/20 S 4 BNO + 19 BAW/2½ hrs, 2800-1000' FIH, S/O 15% oil, P & LD 54 jts 2-3/8 tbg, SD for high wind.

- 51 BAW.

4/21 Finish POH, ran 2-3/8 tbg, OP to 9056, T. Perfs 9023-26, SN @ 9022, Baker AC set @ 8801 w/ 20,000# T, total of 229 jts 2-3/8 tbg + 62 jts 1920' 2-7/8 tbg on top, inst'l wellhead, ran pump on 90 - 3/4 rods, SD for nite.

- 170 BLO + 53 BAW.

4/23 Finish running pump to SN @ 9022, spaced out, clamped off, RD, Rel unit & Rel well to Prod @ 3:00 p.m. 4/21/73.

- 170 BLO + 53 BAW.

4/23 Set PU, connecting well, WO Lea Co Coop Elec. - 170 BLO + 53 BLW.

STATE "L" #4, 9100 TD.

4/24 WO Lea Co Coop for elec.

- 170 BLO + 53 BLW.

STATE "L" #4, 9100 TD.

4/25 WO Lea Co Coop for elec (rain storm).

- 170 BLO + 53 BLW.

STATE "L" #4, 9100 TD.

4/26 WO Lea Co Coop for elec (rain storm).

- 170 BLO + 53 BLW.

STATE "L" #4, 9100 TD.

4/27 P 120 BLO + 38 BLW/17 hrs.

- 50 BLO + 15 BLW.

STATE "L" #4, 9100 TD.

4/30 P 50 BLO + 165 BNO + 15 BLW + 84 BSW/3 days.

All Load Rec.

STATE "L" #4, 9100 TD.

5/1 P 41 BNO + 3 BSW/24 hrs.

STATE "L" #4, 9100 TD
5/2 P 31 BNO + 35 BSW/ 24 hrs.

STATE "L" #4, 9100 TD.
5/3 P 30 BNO + 23 BSW/24 hrs.

STATE "L" #4, 9100 TD.
5/4 P 22 BNO + 16 BSW/24 hrs.

STATE "L" #4, 9100 TD.
5/7 P 63 BNO + 49 BSW/3 days.

STATE "L" #4, 9100 TD.
5/8 P 11 BNO + 13 BSW/24 hrs, No FIH.

STATE "L" #4, 9100 TD.
5/9 P 8 BNO + 16 BSW/24 hrs.

STATE "L" #4, 9100 TD.
5/10 P 13 BNO + 13 BSW/24 hrs.

STATE "L" #4, 9100 TD.
5/11 P 6 BNO + 8 BSW/24 hrs.

STATE "L" #4, 9100 TD.
5/14 P 8 BNO + 6 BSW/3 days, prep to pull pump.

STATE "L" #4, 9100 TD.
5/15 Pulled rods and changed pump,
P 0 BO + 5 BSW/16 hrs, pumped off (750' FIH when pump run).

STATE "L" #4, 9100 TD.
5/16 SI 16 hrs, P 0 BO + 0 BW/8 hrs, prep to pull test tbg.

STATE "L" #4, 9100 TD.
5/17 Pulling rods and tbg.

STATE "L" #4, 9100 TD.
5/18 Finished pulling rods and tbg, tested and ran tbg (found one
bad jt, 3 collar leaks), ran rods and pump, POP.

STATE "L" #4, 9100 TD.
5/21 P 29 BNO + 49 BSW/2 days.

STATE "L" #4, 9100 TD.
5/22 P 11 BNO + 16 BSW/24 hrs.

STATE "L" #4, 9100 TD.
5/23 P 16 BNO + 36 BSW/24 hrs.

STATE "L" #4, 9100 TD.
5/24 P 19 BNO + 19 BSW/24 hrs.

STATE "L" #4, 9100 TD
5/25 P 20 BNO + 13 BSW/ 24 hrs.

STATE "L" #4, 9100 TD
5/29 P 39 BNO + 23 BSW/ 4 days.

5/30 STATE "L" #4, 9100 TD
P 13 BNO + 8 BSW/ 24 hrs.

5/31 STATE "L" #4, 9100 TD
P 13 BNO + 16 BSW/ 24 hrs.

6/1 STATE "L" #4, 9100 TD
P 16 BNO + 16 BSW/ 24 hrs.

6/4 STATE "L" #4, 9100 TD.
P 32 BNO + 32 BSW/3 days.

6/5 STATE "L" #4, 9100 TD.
P 9 BNO + 8 BSW/24 hrs.

6/6 STATE "L" #4, 9100 TD.
P 8 BNO + 9 BSW/24 hrs.

6/7/73 STATE "L" #4, 9100 TD.
POTENTIAL NM OCC FOT: P 8 BNO + 8 BSW/24 hrs, 8 - 1½ x 86 SPM,
GOR 1024/1, Grav 36.5 @ 60, Allow 8 (NP), Top 355,
Cap 8, Compl 4/17/73.
FINAL REPORT.