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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.

1a. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____										7. Unit Agreement Name	
b. TYPE OF COMPLETION NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER _____										8. Farm or Lease Name State "J"	
2. Name of Operator Mobil Oil Corporation										9. Well No. 5	
3. Address of Operator Box 633, Midland, Texas 79701										10. Field and Pool, or Wildcat Vacuum Abo, North	
4. Location of Well UNIT LETTER <u>B</u> LOCATED <u>1780</u> FEET FROM THE <u>East</u> LINE AND <u>660</u> FEET FROM THE <u>North</u> LINE OF SEC. <u>22</u> TWP. <u>17-S</u> RGE. <u>34-E</u> NMPM										12. County Lea	
15. Date Spudded 1-27-71		16. Date T.D. Reached 3-2-71		17. Date Compl. (Ready to Prod.) 3-13-71		18. Elevations (DF, RKB, RT, GR, etc.) 4049 GR		19. Elev. Casinghead ---			
20. Total Depth 8900		21. Plug Back T.D. --		22. If Multiple Compl., How Many --		23. Intervals Drilled By Rotary Tools <input checked="" type="checkbox"/> Cable Tools <input type="checkbox"/>					
24. Producing Interval(s), of this completion - Top, Bottom, Name 8739-8762 Vacuum Abo, North								25. Was Directional Survey Made Yes			
26. Type Electric and Other Logs Run GR-Collar - Corr Log, Lateralog, Temp. Survey								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					
8-5/8"	23#	1710	12-1/4	1000 x		--					
5-1/2"	17 & 15#	8900	7-7/8	3100 x		--					
29. LINER RECORD											
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	30. TUBING RECORD						
					SIZE	DEPTH SET	PACKER SET				
					2-3/8						
					& 2-7/8	8865					
31. Perforation Record (Interval, size and number) 8739, 41, 46, 51, 58, 61 & 8762					32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.						
					DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED				
					8739-8762		10,000 gals. 15% NE acid				
33. PRODUCTION											
Date First Production 3-7-71		Production Method (Flowing, gas lift, pumping - Size and type pump) 2" x 1-1/2 x 12'					Well Status (Prod. or Shut-in) Prod.				
Date of Test 3-14-71	Hours Tested 24	Choke Size 2" Tub.	Prod'n. For Test Period →	Oil - Bbl. 163	Gas - MCF 93.4	Water - Bbl. 9 B.A.W.	Gas - Oil Ratio 573				
Flow Tubing Press. -	Casing Pressure -	Calculated 24-Hour Rate →	Oil - Bbl. -	Gas - MCF -	Water - Bbl. -	Oil Gravity - API (Corr.) 37.6					
34. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold to Phillips Petroleum Co.							Test Witnessed By H. R. Elledge				
35. List of Attachments 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 <u>H. J. McDaniel</u>				TITLE <u>Authorized Agent</u>			DATE <u>3-19-71</u>				

1990

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 electrical 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**

### Southeastern New Mexico

## Northwestern New Mexico

T. Anhy <b>1630</b>	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 <b>2906</b>	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen <b>3900</b>	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres <b>4640</b>	T. Simpson	T. Gallup	T. Ignacio Qtzte
T. Glorieta <b>6112</b>	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T. _____
T. Blinebry	T. Gr. Wash	T. Morrison	T. _____
T. Tubb <b>7514</b>	T. Granite	T. Todilto	T. _____
T. Drinkard	T. Delaware Sand	T. Entrada	T. _____
T. Abo <b>8212</b>	T. Bone Springs	T. Wingate	T. _____
T. Wolfcamp	T. _____	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	155		Sand, gravel & caliche				
155	699		Red Bed				
699	1125		Red Bed				
1125	1534		Red Bed & Anhy.				
1534	1870		Anhy.				
1870	3450		Anhy. & Salt				
3450	3833		Anhy.				
3833	3992		Anhy. & Lime				
3992	5830		Lime				
5830	6106		Lime & Chert				
6106	7281		Lime				
7281	7331		Lime & Shale				
7331	8044		Lime				
8044	8184		Lime & Chert				
8184	8542		Lime				
8542	8547		Lime & Shale				
8547	8900	T.D.	Lime				

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MAR 22 1971

OIL CONSERVATION COMM.

HOBBS, N. M.

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MAR 22 1971  
OIL CONSERVATION COMM.  
HOBBES, N. H.

# DAILY DRILLING REPORT

State "J" #5

STATE "J" #5, 660' FNL & 1780' FEL, Sec 22, T-17S, R-34E, Lea County, New Mexico, OBJECTIVE: Drill and complete single Abo producer - AFE #0158 - MOBIL INT. 100% - EST. COST \$117,000.  
1/23/71 WOR, Marcum Drilling Co.

1/25 Prep to MIT.

STATE "J" #5

1/26 MIT, prep to RU.

STATE "J" #5

1/27 100% rigged up, prep to spud.

STATE "J" #5

1/28 (1) 1535 drlg anhy 12 $\frac{1}{4}$ " hole 1 $\frac{1}{4}$ <sup>o</sup> 1275. Spud Mud.  
Marcum Drlg Co spud in @ 10:00 a.m. 1-27-71.

STATE "J" #5

1/29 (2) 1710 ND anhy, WOC 8-5/8" csg, ran 43 jts 1710' 8-5/8" 23.0#  
ST&C csg cemented on bottom @ 1710 by Howco w/ 800 sx Class H cement w/ 8% gel + 200 sx Class H Neat, all cement contained 2% CaCl, PD @ 4:00 a.m. 1-29-71, cement circ, WOC.

STATE "J" #5

1/30 (3) 1800 drlg anhy, 7-7/8" hole, NND. Br Wtr.  
WOC total 24 hrs, test csg & BOP's 1000#/ok.

1/31 (4) 3290 drlg anhy & lm, 7-7/8" hole,  $\frac{1}{2}$  @ 3230. Br Wtr.

2/1 (5) 3743 drlg anhy & lm, 7-7/8" hole,  $\frac{1}{2}$  @ 3450. Br Wtr.

STATE "J" #5

2/2 (6) 4140 drlg lm 7-7/8" hole, 3/4<sup>o</sup> @ 3740. Br. Wtr.

STATE "J" #5

2/3 (7) 4510 drlg lm 7-7/8" hole, NND. Br. Wtr.

STATE "J" #5

2/4 (8) 4739 drlg sd & lm, 7-7/8" hole,  $\frac{1}{2}$ <sup>o</sup> 4550. Br. Wtr.

STATE "J" #5

2/5 (9) 4958 drlg lm, 7-7/8" hole,  $\frac{1}{2}$  @ 4739. Br Wtr.

STATE "J" #5

2/6 (10) 5338 drlg lm, 7-7/8" hole, 1<sup>o</sup> @ 4968. Br Wtr.

2/8 (12) 6171 drlg lm, 7-7/8" hole, 1<sup>o</sup> @ 6105. Br Wtr.

STATE "J" #5

2/9 (13) 6530 drlg lm, 7-7/8" hole, 1<sup>o</sup> @ 6506. Br Wtr.

STATE "J" #5

2/10 (14) 6854 drlg lm, 7-7/8" hole, NND. Br Wtr.

- STATE "J" #5  
2/11 (15) 7094 drlg 1m, 7-7/8" hole, 1¼ @ 6854. Br Wtr.
- STATE "J" #5  
2/12 (16) 7282 drlg 1m, 7-7/8" hole, 3/4 @ 7094. Br Wtr.
- STATE "J" #5  
2/13 (17) 7408 drlg 1m 7-7/8" hole 1° 7345 Br Wtr.
- 2/15 (19) 7566 ND 1m 7-7/8" hole NND Br Wtr  
fishing post 22 hrs for Bit string reamer 24 6½" DC's & 16 jts 4½" DP-  
DP parted on trip- dropping fi. in hole- car overshot fished & rec  
DP, DC's, reamer & bit Left 1 cutter out of reamer & 3 bit cones in hole  
ran magnetic basket rec 1 cone now rerunning basket.
- 2/16 (20) 7610 drlg 1m 7-7/8" hole NND Br Wtr.  
Fished & rec 2 cones in 2 runs w/ magnetic basket, ran basket 3rd run  
no rec. ran Globe basket, cut 2' core POH no rec- left 1 reamer  
cutter & bit shank in hole
- STATE "J" #5  
2/17 (21) 7697 ND 1m 7-7/8" hole, NND Br. Wtr.  
Stuck past 10 hrs w/ bit @ 6657, Homco ran free point indicator  
stuck @ 4800' 100% free @ 4780, prep to spot oil.
- STATE "J" #5  
2/18 (22) 7697 ND 1m 7-7/8" hole, NND. Br. Wtr.  
Spotted 75 bbls oil, let soak 2 hrs w/ no success, Homco backed  
off 4½" DP @ 4763, POH w/ DP, ran B sub, jars on 10 6½" DC's &  
4½" DP to 4763, screwed into fish, jarred & worked fish loose  
in 30 min, pulled out 800' of DP, fish stuck w/ bit @ 5825,  
Homco ran free point indicator stuck @ 4789, backed off DP @  
4753, now POH.
- STATE "J" #5  
2/19 (23) 7697 ND 1m, 7-7/8" hole, NND. Br. Wtr.  
POH, rec 25 jts 4½" DP, ran BS, jars, 10 DC's, screwed into  
fish at 4753, worked loose, rec all of fish, ran 7-7/8" bit,  
C/O to 7697, junk on bottom, circ 2½ hrs, POH, now running  
Globe basket w/ cutriet shoe to pick up junk.
- STATE "J" #5  
2/20 (24) 7697 ND, 7-7/8" hole, NND. Br. Wtr.  
Finished running Globe bskt, D/O junk 3 hrs, POH, rec reamer  
cutter pin, then ran 7" mag on DP, POH, no rec, ran Globe bskt,  
D/O junk 5½ hrs, POH, rec reamer cutter, now running bit to  
drlg ahead, bit shank still in hole.
- 2/22 (26) 7812 drlg 1m 7-7/8" hole, NND. Br. Wtr.  
Finish GIH w/ bit, found junk on bottom, POH, ran 7" mag to  
bottom on DP, POH, no rec, ran 7-3/4" flat bottom mill, drlg  
on junk 8 hrs, POH, then ran 7½" Globe bskt on DP, cut 3', core  
2 hrs, POH, rec 1' core & small junk, ran bit, started drlg  
ahead @ 4:30 p.m. 2-21 71.
- STATE "J" #5  
2/23 (27) 7964 drlg 1m, 7-7/8" hole, 1° @ 7827. Br Wtr.
- STATE "J" #5  
2/24 (28) 8183 drlg 1m, 7-7/8" hole, NND. Br Wtr.

- STATE "J" #5  
2/25 (29) 8316 drlg 1m, 7-7/8" hole, 3/4 @ 8290. Br Wtr.
- STATE "J" #5  
2/26 (30) 8512 drlg 1m, 7-7/8" hole, NND. Br Wtr.
- STATE "J" #5  
2/27 (31) 8551 drlg 1m, 7-7/8" hole, 1° @ 8540 @ 8547, ran magnetic bskt on DP, rec one cone & piece of cone, rec all of fish. 10.0-33-30.
- 3/1 (33) 8718 drlg 1m, 7-7/8" hole, NND. 10.1-34-15.0.
- STATE "J" #5  
3/2 (34) 8864 drlg 1m, 7-7/8" hole, 1° @ 8760. 10.1-34-16.0.
- STATE "J" #5  
3/3 (35) 8900 TD 1m, 7-7/8" hole, 1° @ 8900. 10.1-34-14.0. Circ 2 hrs, P & LD DP, DC's and bit, Dresser-Atlas ran SN-P log surf to 8905, logger's depth, then ran Lateralog 2600-8905, now prep to run 5½ csg.
- STATE "J" #5  
3/4 (36) 8900' TD, WOC, 5½ csg, ran 255 jts 17# & 15# ST&C & LT&C J-55 csg, 2001' of 17# csg on bottom, Howco cmtd w/ 2900x TLW w/ ¼# Flocele in the 1st 1000x and tailed in w/ 200x Class C, PD @ 4:00 p.m. 3/3/71, cmt did not circ, WOC 8 hrs, Worth Well ran Temp Survey, top cmt @ 2480, Rel Marcum Drlg Co @ 7:00 p.m. 3/3/71.
- STATE "J" #5, 8900 TD.  
3/5 CORRECTION TO 3/4/71 Rpt: Worth Well ran Temp Survey, top cmt @ 2640 - Not: 2480. MOT, prep to MI unit to compl.
- STATE "J" #5, 8900 TD.  
3/6 MIRU DA&S Well Serv unit, inst'l BOP, unload & rack tbg, SD for high wind.
- 3/7 Ran 4-3/4 bit and 5½ csg scraper on 2-3/8 tbg to 8870, test csg to 1500#/ok, displ wtr w/ lse oil, Knox Serv Co spotted 500 gals 15% NE acid on bottom, POH w/ tbg, scraper and bit, SD for nite.
- 3/8 Dresser-Atlas ran GR-Collar-Corr log 8400-8872, then perf 5½ csg in the Abo @ 8739; 41; 46; 51; 58; 61; & 8762 w/ 2 JSPF, total 14 holes, ran Baker 5½ pkr on 2-3/8 tbg to 8004, Knox Serv Co displ 500 gals acid into form, BDTP 3600, TTP 3400-3800, AIR 1.5 BPM, ISIP 3500, 5 min 2600, reset pkr @ 8691, S 38 BLO + 4 BNO + 5 BAW/3 hrs, L hr S 12 bbls, S/O 95% oil, 1800' FIH, fr sh of gas, Knox Serv Co acid perfs w/ 10,000 gals 15% NE acid containing 5#/1000 gals friction reducer using 14 RCNB sealers, TTP 4000-5100, AIR 5.3 BPM, ISIP 3800, 10 min 3500, job compl 4:40 p.m. 3/7/71, S 38 BLO + 85 BNO + 60 BAW/12 hrs, L hr S 12 bbls, S/O 60% AW scattered FIH, fr sh of gas, cont to swab test. - 187 BAW.

STATE "J" #5, 8900 TD.

3/9 F 70 BNO + 10 BAW/11 hrs on open ck, TP 40-50, L hr F 6 bbls,  
S/O 96% oil, SD for nite, prep to POP. - 177 BAW.

STATE "J" #5, 8900 TD.

3/10 SI 13 hrs, TP 525, POH w/ tbg & pkr, ran 6870' of 2-3/8 tbg  
& 1949' of 2-7/8 tbg, OP MA @ 8865, T. Perfs 8832-35, SN @  
8831, 5½ Baker anchor catcher @ 8671 set w/ 15,000# T, prep  
to POP.

STATE "J" #5, 8900 TD.

3/11 Ran pump & rods to SN @ 8831, spaced out and clamped off, RD,  
Rel unit & Rel to Prod @ 3:00 p.m. 3/10/71.

3/11 Set PU, POP. - 170 BLO + 177 BAW.

STATE "J" #5, 8900 TD.

3/12 P 124 BLO + 30 BAW/16 hrs. - 46 BLO + 147 BAW.

STATE "J" #5, 8900 TD.

3/14 P 46 BLO + 89 BNO + 7 BAW/24 hrs. - 140 BAW.

3/15/71 NM OCC POT: P 163 BNO + 9 BAW/24 hrs, 10 - 1½ x 120" SPM,  
POTENTIAL GOR 573/1, Grav 37.6 @ 60, Allow 163 BOPD nonprorated,  
Top 382, Cap 163. Compl 3/7/71. - 131 BAW.  
FINAL REPORT.