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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 ☒ GAS WELL ☐ DRY ☐ OTHER ☐		7. Unit Agreement Name	
b. TYPE OF COMPLETION NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐		8. Farm or Lease Name State K	
2. Name of Operator Mobil Oil Corporation		9. Well No. 10	
3. Address of Operator Box 633, Midland, Texas 79701		10. Field and Pool, or Wildcat Vac Abo North	
4. Location of Well UNIT LETTER <u>L</u> LOCATED <u>800</u> FEET FROM THE <u>West</u> LINE AND <u>2100</u> FEET FROM <u>The South</u> LINE OF SEC. <u>18</u> TWP. <u>17S</u> RGE. <u>35E</u> NMPM		12. County Lea	
15. Date Spudded 9-28-73	16. Date T.D. Reached 10-24-73	17. Date Compl. (Ready to Prod.) 11-6-73	18. Elevations (DF, RKB, RT, GR, etc.) 4006 GR
20. Total Depth 8800	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By Rotary Tools ☒ Cable Tools ☐
24. Producing Interval(s), of this completion - Top, Bottom, Name 8655-8717- Abo			25. Was Directional Survey Made NO
26. Type Electric and Other Logs Run FRL Experimental Log, SWN-Porosity, GR Log, 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
12-3/4	34 0	250	17 1/2
8-5/8	28 0	3210	11
5 1/2	17 0	8800	7-7/8
CEMENTING RECORD		AMOUNT PULLED	
300sx			
1600sx			
3400sx			
29. LINER RECORD		30. TUBING RECORD	
SIZE	TOP	BOTTOM	SACKS CEMENT
			SCREEN
			SIZE
			DEPTH SET
			PACKER SET
31. Perforation Record (Interval, size and number) 8655, 59, 60, 67, 78, 79, 81, 88 89 90 8701, 03, 05, 07, 09, 10, 11, 13, 15, 16, & 8717 w/1 JSPF Total 21 holes		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED	
8655-8717		10,000 gals 15% NE Acid	
33. PRODUCTION			
Date First Production 11-8-73	Production Method (Flowing, gas lift, pumping - Size and type pump) Pump 8 1/2 x 1 1/2 x 100"		Well Status (Prod. or Shut-in) Prod
Date of Test 11-11-73	Hours Tested 24	Choke Size	Prod'n. For Test Period
			Oil - Bbl. 204
			Gas - MCF 181.5
			Water - Bbl. 0
			Gas-Oil Ratio 890
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil Gravity - API (Corr.) 37.2
34. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold			Test Witnessed By R. H. 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 <u>Christine P. Tucker</u>		TITLE <u>Production Clerk</u> DATE <u>11-13-73</u>	

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 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

Rustler				
T. Anhy	1748	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	1857	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt	2863	T. Atoka	T. Pictured Cliffs	T. Penn. "D"
T. Yates	3057	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers		T. Devonian	T. Menefee	T. Madison
T. Queen	3490	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg		T. Montoya	T. Mancos	T. McCracken
T. San Andres	4672	T. Simpson	T. Gallup	T. Ignacio Qizte
T. Glorieta	6132	T. McKee	Base Greenhorn	T. Granite
T. Paddock		T. Ellenburger	T. Dakota	T.
T. Blinebry		T. Gr. Wash	T. Morrison	T.
T. Tubb	7522	T. Granite	T. Todilto	T.
T. Drinkard		T. Delaware Sand	T. Entrada	T.
T. Abo	8208	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	250		Red Bed				
250	2885		Anhydrite & Salt				
2885	3372		Anhydrite				
3372	8800		Lime				

DAILY DRILLING REPORT

STATE "K" #10

STATE "K" #10, 2100' FSL & 800' FWL, Sec 18, T17S, R35E, Lea County, New Mexico. OBJECTIVE: Drill & complete Abo oil well.

9/24/73 WO rig, Hondo Drlg Co.

STATE "K" #10

9/25 WO rig.

STATE "K" #10

9/26 Prep to MI rig today.

STATE "K" #10

9/27 Moving in rig.

STATE "K" #10

9/28 100% RU, prep to spud.

STATE "K" #10

9/29 (1) 250 ND, WOC 12-3/4 csg in red bed, 17½" hole, Native Mud. ¼ @ 250, Hondo Drlg Co spudded @ 7:00 a.m. 9/28/73, ran 6 jts 250' 12-3/4 OD 34.0# 8rd ST&C csg, Howco cmtd csg on bottom @ 250 w/ 300x Class H cmt w/ 2% CaCl, PD @ 11:45 a.m. 9/28/73, cmt circ, then bill back - Howco filled hole w/ 50x Class H cmt, WOC, prpe to drill 11" hole.

(10/1 (3) 2458 drlg anhy & salt, 11" hole, 1¼ @ 2212, Br Wtr. WOC total 24 hrs on 12-3/4 csg.

STATE "K" #10

10/2 (4) 2885 drlg anhy & salt, 11" hole, 2° @ 2589. Br Wtr.

STATE "K" #10

10/3 (5) 3210 ND anhy, 11" hole, 2¼ @ 2920, Br Wtr & Oil. circ 1 hr, started POH to run 8-5/8 csg, bit dragging @ 1800 for 5 stands, rerun bit to bottom, circ 1 hr, started out of hole, bit drug @ 1800, rerun bit to bottom, now cond hole & mud.

STATE "K" #10

10/4 (6) 3210 ND anhy, 11" hole, NND, 9.6-41-8.0, 8% oil. cond mud & hole past 24 hrs.

STATE "K" #10

10/5 (7) 3210 ND WOC 8 5/8" csg, POH w/bit ran 78 jts 3210 8 5/8" OD 28.0# 8 rd ST & C casing to 3210 Howco cmtd csg w/1400 sx TILW containing 7 1/2# salt per sx + 200 sx class C cmt w/2.6# salt per sx PD 1:00 pm 10/4/73 cmt circ WOC.

STATE "K" #10

10/6 (8) 3372 drlg lm 7-7/8" hole 1½° 3372. Fr wtr. WOC total 24 hrs tst csg & BOP's 1000#/ok, prep to run FRL logging too .

(10/8 (10) 4075 drlg lm 7-7/8" hole 1½° 3950'. Fr wtr.

STATE "K" #10
 10/8 Correction on 10/8/73 report - FRL logging tool.

10/9 (11) 4190 drlg lm 7-7/8" hole 1 $\frac{1}{4}$ $^{\circ}$ 4160'. Fr wtr.

STATE "K" #10
 10/10 (12) 4680 drlg lm 7-7/8" hole, NND. Fr wtr.

STATE "K" #10
 10/11 (13) 4754 drlg lm 7-7/8" hole 1 $^{\circ}$ 4754. Fr wtr.
 Running FRL experimental logging while drilling tool past
 21 hrs.

STATE "K" #10
 10/12 (14) 4941, drlg lm, 7-7/8" hole, NND. fr wtr.
 Rel FRL experimental equipment @ 7:00 pm, 10/11/73.

STATE "K" #10
 10/13 (15) 5380, drlg lm, 7-7/8" hole, 3/4 $^{\circ}$ 5221. Fr wtr.

10/15 (17) 6375, drlg lm, 7-7/8" hole, 1 $^{\circ}$ 6195. Fr wtr.

STATE "K" #10
 10/16 (18) 6670, drlg lm, 7-7/8" hole, 1- $\frac{1}{4}$ 6622. Fr wtr.

STATE "K" #10
 10/17 (19) 6690, drlg lm, 7-7/8" hole, NND. Fr wtr.

STATE "K" #10
 10/18 (20) 7325, drlg lm, 7-7/8" hole, 1- $\frac{1}{4}$ $^{\circ}$ 7142. Fr wtr.

STATE "K" #10
 10/19 (21) 7650, drlg lm, 7-7/8" hole, 1 $^{\circ}$ 7612. Fr wtr.

STATE "K" #10
 10/20 (22) 7805' drlg lm, 7-7/8" hole, 1-1/4 $^{\circ}$ Fr Wtr
 @ 7805'.

10/22 (24) 8370' drlg lm, 7-7/8" hole, 1 $^{\circ}$ @ 8278. Fr Wtr.

STATE "K" #10
 10/23 (25) 8635 drlg lm, 7-7/8" hole, NND. Fr. Wtr.

STATE "K" #10
 10/24 (26) 8795, drlg lm, 7-7/8" hole, 1- $\frac{1}{4}$ $^{\circ}$ 8730. 9.4 - 36 - 10.2.

STATE "K" #10
 10/25 (27) 8800 TD.
 Lm, 7-7/8" hole, 1- $\frac{1}{4}$ $^{\circ}$ 8800. 9.3 - 37 - 10.0.
 Fin hole circ/2 hrs, P & LD DP & DC's, Sch ran SWN-Porosity
 log 3180-8785 & GR log 0-8785/6- $\frac{1}{2}$ hrs, ran 235 jts 8800,
 5- $\frac{1}{2}$ OD 17.0# K 55 8 rd ST & C csg to 8800, prep to cmt.

STATE "K" #10, 8800 TD.
 10/26 WOC, 5- $\frac{1}{2}$ csg, Howco cmt 5- $\frac{1}{2}$ csg on btm @ 8800 w/2200 sx TLLW
 cmt w/ $\frac{1}{2}$ # flocele in 1st, 1000 sx + 200 sx Class C neat cmt,
 PD @ 8:00 am, 10/25/73, cmt circ, set slips, cut off csg,
 RD, rel Hondo Drlg Co rig @ 11:00 am, 10/25/73, prep to MOR.

STATE "K" #10, 8800 TD.

10/27 MOR, inst & tst unit anchors, prep to MI unit.

10/28 MIRU DA & S Well Ser unit, inst BOP, Schl ran GR-collar corr log to 8710, stopped, RD, Schl ran 4-3/4 bit on 5-1/2 csg scraper & 2-3/8 tbg to 7780, SDN.

10/29 Ran bit 8710, CO to 8749, circ clean, disp hole w/lse oil, tst csg to 1500#/ok, spot 500 gals 15% NE A on btm, POH, Schl perf 5-1/2 csg in the Abo @ 8655, 59, 60, 67, 78, 79, 81, 88, 89, 90, 8701, 03, 05, 07, 09, 10, 11, 13, 15, 16 & 8717 w/l JSPF, total of 21 holes, ran Baker 5-1/2 Mod R pkr 2-3/8 tbg to 8622, Runco disp 500 gals A into perfs, TTP 4200#, AIR 3.0 BPM, ISIP 2500#, job comp 6:00 pm, 10/28/73, SI & SD.

STATE "K" #10, 8800 TD.

10/30 Sw 36 BLO + 36 BNO + 2 BAW/10 hrs, L hr sw 9 BF, S/O clean O, sl sh gas, SIFN, prep to A.

STATE "K" #10, 8800 TD.

10/31 Runco att to A Abo perfs communicated w/annulus, moved pkr up hole 30', pkr lkd, drop SV, tst tbg 4200 psi/ok, fish SV, POH w/tbg & pkr, ran new Mod R pkr on 2-3/8 tbg set @ 8622, SDN.

STATE "K" #10, 8800 TD.

11/1 Runco A Abo perfs 8655-8717, w/10,000 gals 15% NE A w/5# FR 1000 gals + 60 RCNBS, TTP 4800-5000, AIR 5.7 BPM, ISITP 3300, 10 min SITP 2700, job comp 3:00 pm, 10/31/73, pkr failed after 4000 gals, POH, ran Baker FB pkr & fin trt, then sw 156 BLO + 28 BAW/13 hrs, L hr sw 11 BF, S/O 55% oil, 1500 FIH, fr sh gas. -260 BLO + -212 BAW.

STATE "K" #10, 8800 TD.

11/2 Sw 62 BLO + 41 BAW/10 hrs, L hr sw 14 BF. S/O 75% oil, 1000 sc FIH, fr sh gas, SIFN.

STATE "K" #10, 8800 TD.

11/3 SI 13 1/2 hrs TP 200, F 40 BLO + 0 BW/2 1/2 hrs, pulled 2-3/8 tbg & pkr, LD 65 jts 2-3/8 tbg, ran 2-3/8 & 2-7/8 prod tbg to 8700, SD for nite.

11/4 Remove BOP & landed prod tbg, end of 2-3/8 OP MA @ 8745, Tbg Perfs 8727-8731, SN @ 8726, Guib TA catcher @ 8633, set w/ 14,000# T, 213 jts 2-3/8 EUE tbg & 64 jts 2-7/8 EUE tbg (2015'), inst'l head & run pump on 177 - 3/4 & 91 - 7/8 & 79 - 1" rods & clamped off, Rel DA&S unit @ 6:30 p.m. 11/3/73, Rel to Prod. - 158 BLO + 171 BAW.

11/5 Set PU, prep to connect up well & POP. - 158 BLO + 171 BAW.

STATE "K" #10, 8800 TD.

11/6 Compl setting PU & connected well, POP, prep to test. - 158 BLO + 171 BAW.

STATE "K" #10, 8800 TD.

11/7 P 14 BLO + 10 BLW/8 hrs, transformer burned out, changed
transformer, POP. - 144 BLO + 161 BLW.

STATE "K" #10, 8800 TD.

11/8 P 107 BLO + 4 BLW/18 hrs. - 37 BLO + 157 BLW.

STATE "K" #10, 8800 TD.

11/9 P 37 BLO + 109 BNO + 12 BLW/24 hrs. - 145 BLW.

STATE "K" #10, 8800 TD.

11/12/73 P 406 BNO + 20 BLW/2 days. - 125 BLW.

POTENTIAL NM OCC POT: P 204 BNO + 0 BW/24 hrs, 8½ - 1¼ x 100" SPM,
GOR 890/1, Grav 37.2 @ 60, Allow 204 (NP), Top 355, Cap 204,
Compl 10/31/73.
FINAL REPORT.