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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.	
B-1520	

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									
Three Greenway Plaza East, Suite 800, Houston, Texas 77046									
4. Location of Well									
UNIT LETTER <u>G</u> LOCATED <u>2180</u> FEET FROM THE <u>East</u> LINE AND <u>1980</u> FEET FROM									
THE <u>North</u> LINE OF SEC. <u>12</u> TWP. <u>17-S</u> RGE. <u>34-E</u> NMPM									
12. County									
Lea									
15. Date Spudded		16. Date T.D. Reached		17. Date Compl. (Ready to Prod.)		18. Elevations (DF, RKB, RT, GR, etc.)		19. Elev. Casinghead	
8-30-76		9-16-76		9-28-76		4020 GR		-	
20. Total Depth		21. Plug Back T.D.		22. If Multiple Compl., How Many		23. Intervals Drilled By		Rotary Tools	
8700'		8659'		-		→		X	
24. Producing Interval(s), of this completion - Top, Bottom, Name									25. Was Directional Survey Made
8554-8613 - Abo Formation									No
26. Type Electric and Other Logs Run									27. Was Well Cored
Dresser Atlas SWN-GR-Caliper									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	40#	260	17-1/4	400 x circ.			-		
8-5/8	24#	3110	11	1500 x circ.			-		
5-1/2	15.5# & 17#	8700	7-7/8	1700 x circ.			-		
29. LINER RECORD									
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	30. TUBING RECORD				
					SIZE	DEPTH SET	PACKER SET		
					2-7/8	8637'	-		
31. Perforation Record (Interval, size and number)					32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.				
8554-60, 8586-92, 8598-8602, 8610-8613, 1 - JSPF Total of 23 Holes					DEPTH INTERVAL				
					AMOUNT AND KIND MATERIAL USED				
					8554-8613 Knox Ser. acidized perfs w/ 10,000 gals 15% NE acid, used 35 RCNB sealers				
33. PRODUCTION									
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)					Well Status (Prod. or Shut-in)		
9-28-76		Pumping - 2 1/2 x 1 1/2 x 24' Pump					Prod.		
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio		
10-3-76	24	2-7/8"	→	158	292.4	0	1851		
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)			
-	-	→	-	-	-	37.5			
34. Disposition of Gas (Sold, used for fuel, vented, etc.)							Test Witnessed By		
Sold - Phillips Petroleum Company							R. H. Cummins		
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>J. J. McDaniel</u>				TITLE <u>Authorized Agent</u>			DATE <u>10-6-76</u>		

INSTRUCTIONS

This form is to be filled with the appropriate District Office of the Commission not later than 30 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one set of all reported and radio-rec'd logs on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured directly in the well and not indirectly drilled wells; true vertical depths shall also be reported. For multiple completions, Items 33 through 34 shall be reported for each zone. The form is to be filled in quadruplicate except on state land, where six copies are required. See Form 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Northwestern New Mexico

Southeastern New Mexico

T. Canyon	T. Ojo Alamo	T. Penn. "B"	T. Penn. "C"	T. Penn. "D"	T. Leadville	T. Madison	T. Elbert	T. McCracken	T. Ignacio Ortiz	T. Granite	T. Ellensburg	T. McKee	T. Simpson	T. Gallup	T. Base Greenhorn	T. Dakota	T. Morrison	T. Todilto	T. Entrada	T. Wingate	T. Chinle	T. Permian	T. Penn. "A"	T. Cisco (Bough C)
1689	1798	2765	3895	4664	6078	7415	8093																	
T. Salt	T. Salt	B. Salt	T. Yates	T. 7 Rivers	T. Queen	T. Grayburg	T. San Andres	T. Gloria	T. Paddock	T. Blinberry	T. Tubb	T. Drinkard	T. Abo	T. Wolfcamp	T. Penn.	T. Cisco (Bough C)								

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	260	260	Gravel & Sand				
260	1980	1980	Red Bed				
1980	2930	2930	Salt & Anhyd				
2930	3245	3245	Lime				
3245	5110	5110	Lime & Sand				
5110	6153	6153	Lime				
6153	8402	8402	Lime & Sand				
8402	8700	8700	Lime				

DAILY DRILLING REPORT

North Vacuum Abo Unit #227

NO VACUUM ABO UT #227
No Vacuum Abo Fld
Lea Co, NM

8/30/76

Within 200' of center of Unit G, Sec 12, T17S, R34E,
Lea Co, NM.
Prep to spud.

8/31/76

1980' FNL & 2180' FEL Sec 12 T17S, R34E, Lea Co, NM.
(1) 260 WOC 12-3/4 csg, red bed, 17½ hole, Spud Mud.
¼ @ 260, ran 9 jts 12-3/4 40# Gr B line pipe set on
bottom @ 260, Howco cmtd w/ 400x H + 2% CaCl₂, PD
3 pm 8/30/76, cmt circ, Warton Rig #6 spud 17½ hole
9:30 AM 8/30/76.

9/1/76

(2) 2065 drlg salt & anhy, 11" hole, Br Wtr.
¼ @ 500, ½ @ 800, ½ @ 1075, ½ @ 1362, ½ @ 1643,
½ @ 1958, NU test csg & BOP's 500 psi/ok.

9/3/76

(4) 3110 ND, WOC, 8-5/8 csg, 1¼ @ 3110, reached TD
11" hole @ 5:15 PM 9/2/76, circ 1 hr, POH, ran 77
jts 8-5/8 24# S80 & K55, bottom 680' S80, Dowell
cmtd on bottom @ 3110 w/ 1300x Tr Lt wt + 7½#
salt/x, tailed in w/ 200x C + 2.6# salt/x, PD @
4 AM 9/3/76, cmt circ.

9/4/76

(5) 3245 drlg 1m, 7-7/8 hole, NND, Fr Wtr.
WOC 18 hrs. test csg & BOP's 1000/30 min/ok.
TD 7-7/8 hole @ 6:00 AM, 9/16/76, circ 2 hrs.
8700 TD.

Running 5½ csg,
circ 1 hr, LD DP & DC's, Dresser Atlas ran SWN-GR-
Caliper 0-8702/6 hrs, now running 5½ csg.

9/18/76

(19) 8700 TD 1m & sd, WOC on 5½ csg, finish running
5½ csg to 8700 TD, 260 jts, 5½ 17# N80 & J55 & 15.5#
J55 csg 8139' of 17# on btm, Dowell cmt csg on btm @
8700 w/ 1700x TLW w/ ¼# Cello-Flake in 1st 1000x +
200x Class C Neat, PD @ 10:30 AM 9/17/76, cmt circ,
cut off & set slips, nipple down & clean pits, rel
Warton Drlg Co @ 2:30 PM 9/17/76.

9/22/76

8700 TD.

MIRU Eunice Well Ser DD unit, inst BOP, unload 2-7/8
tbq, PU & ran 4-3/4 bit & 5-1/2 csg scraper & 200
jts 2-7/8 tbq. SDFN.

8700 TD.

Ran bit & scraper to 8659 PBDT, circ hole to Abo oil & spot 500 gals 15% NE acid btm, Schj ran GR-Collar log 8659 (Schj PBDT) to 8000 & perf 5-1/2" csg in Abo form @ 8554-60, 8586-92, 8598-8602 and 8610-8613 w/1 JSPF, 23 holes, ran 5-1/2" Model R pkr on 2-7/8 tbg & set @ 7975, SDFN.

9/23/76

8700 TD, 8659 PBDT, Abo 8554-8613 OA.

Knox Serv disp away acid, TTP 4100, AIR 2 BPM, ISDTP 3900, 5 min SITP 2200, Job Comp @ 8:05 AM, 9/23/76, reset pkr @ 8502, sw 45 BLO + 1 BAW/4 hrs, 600' FIH, sl sh gas, then acidize Abo perfs 8554-8613 OA down 2-7/8 tbg w/10,000 gals 15% NE acid cont 5# FR/1000 gals, used 35 RCN ball sealers, TTP 3600-4600, AIR 5.8 BPM, ISDTP 3800 psi, 5 min SITP 3100 & 15 min SITP 1800 psi, Job Comp @ 2:10 PM, 9/23/76, then sw 55 BLO + 15 BAW in 4 hrs, 5000' FIH, L hr sw 14 BF S/O 85% AW, SDFN. - 25 BLO + 235 BLW.

9/26-27/76

12 hr SITP 460 psi, bled off, POH w/pkr, ran 2-7/8 EUE 8rd J-55 prod tbg, end of OPMA @ 8637, tbg perfs 8602-06, SN @ 8601, 3 jts tbg, Baker tbg anchor catcher @ 8504 - 275 jts tbg, remove BOP & set anchor w/14,000# tension & inst head, SDFN & Sun.

9/28/76

8700 TD, 8659 PBDT, Abo 8554-8613.

Ran 164 3/4, 97 7/8, 82 1" rods, 2-1/2 x 1-1/2 x 24' pump hung on, rel Eunice WS & to Prod @ 4:00 PM, 9/27/76. - 176 BLW + 132 BLO.

10/4/76

8700 TD, 8659 PBDT, Abo 8554-8613.

P 365 BNO + 0 BLW/48 hrs.

- 176 BLW.

NMOCC POT TEST: P 158 BNO + 0 wtr/24 hrs, 7 1-1/2 x 144" SPM, GOR 1851/1, Gv 37.5 @ 60, Allow 158 BOPD NP, Top 355, Cap 158, Comp 9/28/76.