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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-1040

1a. TYPE OF WELL
OIL WELL GAS WELL DRY OTHER _____

b. TYPE OF COMPLETION
NEW WELL WORK OVER DEEPEN PLUG BACK DIFF. RESVR. OTHER _____

7. Unit Agreement Name

8. Farm or Lease Name
State KK

9. Well No.
1

2. Name of Operator
Mobil Oil Corporation

10. Field and Pool, or Wildcat
Vacuum Abo, North

3. Address of Operator
P. O. Box 633, Midland, Texas 79701

4. Location of Well
UNIT LETTER **N** LOCATED **460** FEET FROM THE **South** LINE AND **1980** FEET FROM

12. County
Lea

THE **West** LINE OF SEC. **23** TWP. **17-S** RGE. **34-E** NMPM

15. Date Spudded **12-19-71** 16. Date T.D. Reached **1-9-72** 17. Date Compl. (Ready to Prod.) **1-18-72** 18. Elevations (DF, RKB, RT, GR, etc.) **4013 Gr.** 19. Elev. Casinghead **--**

20. Total Depth **8800** 21. Plug Back T.D. **--** 22. If Multiple Compl., How Many **--** 23. Intervals Drilled By Rotary Tools **X** Cable Tools **--**

24. Producing interval(s), of this completion - Top, Bottom, Name
8509-8564 Vacuum Abo North 25. Was Directional Survey Made **No**

26. Type Electric and Other Logs Run
Schl. Gr-Collar-Corr, SWN-Gr-S 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#	278	17 1/2	450x	--
8 5/8"	28#	3035	11	1400x	--
5 1/2"	17#	8800	7 7/8	2300x	--

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8	8742	--
					2 7/8		

31. Perforation Record (Interval, size and number)
8509, 15, 16, 19, 24, 29, 30, 34, 42, 44, 49, 54, 59, 62, & 8564 w/2 JSPF total of 30 holes

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
8509-8564	Knox Serv. Co. acidized and perfs. w/10,000 gals 15% NE acid + 5# FR/1000 gals + 30 RCNB sealers

33. PRODUCTION

Date First Production **1-14-72** Production Method (Flowing, gas lift, pumping - Size and type pump) **Pump 2" x 1 1/4 x 10'** Well Status (Prod. or Shut-in) **Producing**

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
1-30-72	24	2" tbg.		156	264.9	2-BLW	1698

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 Company Test Witnessed By **H. R. Elledge**

35. List of Attachments
1 - Daily Drilling Report

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 **[Signature]** TITLE **Authorized Agent** DATE **2-2-72**

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

T. Anhy <u>1500</u>	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 <u>2871</u>	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen <u>3786</u>	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres <u>4500</u>	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzte _____
T. Glorieta <u>5981</u>	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb <u>7406</u>	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo <u>8074</u>	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	278		Sand Gravel				
278	908		Redbeds				
908	1620		Redbeds				
1620	2374		Anhy & salt				
2374	3036		Anhy				
3036	3400		Lime & Anhy				
3400	8000	T.D.	Lime				

RECEIVED
 FEB 6 1972
 OIL CONSERVATION COMM.
 HOBBS, N. M.

DAILY DRILLING REPORT

STATE "KK" #1

STATE "KK" #1, 460' FSL & 1980' FWL, Sec 23, T17S, R34E,
Lea County, New Mexico. OBJECTIVE: Drill & complete single
Abo oil well in North Vacuum Field - AFE #1150 - MOBIL INT.
100% - EST. COST \$133,000.

- 12/18/71 Marcum Drlg Co MIT.
- 12/20 (1) 278 ND red bed 17½" hole, 1/2° 275. S. Mud.
Marcum Drlg Co spud in @ 10:00 a.m. 12-19-71, ran 10 jts
278' 12-3/4" 34.0# ST&C csg, cmtd on bottom @ 278 by
Dowell w/ 450 sx Class A cmt w/ 2% CaCl, PD @ 4:00 p.m.
12-19-71, cmt circ, WOC.
- 12/21 STATE "KK" #1
(2) 1920 drlg salt, 11" hole, 3/4° 1723. Br. Wtr.
WOC total 18 hrs on 12-3/4" csg.
- 12/22 STATE "KK" #1
(3) 2970 drlg anhy 11" hole, 1/4° 2370. Br. Wtr.
- 12/23 STATE "KK" #1
(4) 3035 ND anhy, WOC on 8-5/8 csg, ran 77 jts 3035 8-5/8
o.d. 28.0# ST&C csg, Dowell cmtd on bottom w/ 1200 sx T1LW,
containing 7½# salt/sx + 800 sx Class C neat cmt containing
2.6# salt/sx, PD @ 8:15 p.m. 12-22-71, cmt circ, WOC.
- 12/24 STATE "KK" #1
(5) 3400 drlg anhy 7-7/8" hole, NND. Fr. Wtr.
WOC total 18 hrs, test 8-5/8 csg & BOP's 1000# ok.
- 12/27 (8) 3836 drlg anhy & lm 7-7/8" hole, 1° Fr. Wtr.
3835, SD 48 hrs for Christmas.
- 12/28 STATE "KK" #1
(9) 4330 drlg lm 7-7/8" hole, 3/4° 4320. Fr. Wtr.
- 12/29 STATE "KK" #1
(10) 4775 drlg lm 7-7/8" hole, NND. Fr. Wtr.
- 12/30 STATE "KK" #1
(11) 5342' Drlg lm. 7 7/8" hole 1° @ 4920 Fr. Wtr.
- 12/31/71 STATE "KK" #1
(12) 5841 drlg lm 7-7/8" hole, 1/2° 5840. Fr. Wtr.
- 1/1/72 (13) 6440 drlg lm 7-7/8" hole, 1/2° 6382 Fr. Wtr.
Depth @ midnite 12-31-71 6252.
- 1/3 (15) 7285 drlg lm 7-7/8" hole, 2° 7280. Fr. Wtr.
- 1/4 STATE "KK" #1
(16) 7585 drlg lm 7-7/8" hole, NND. Fr. Wtr.

- 1/5 STATE "KK" #1
(17) 7861 drlg 1m, 7-7/8" hole, Fr. Wtr.
1° 7845.
- 1/6 STATE "KK" #1
(18) 8186 drlg 1m 7-7/8" hole, NND. Fr. Wtr.
- 1/7 STATE "KK" #1
(19) 8380 drlg 1m 7-7/8" hole, 1½° 8230. Fr. Wtr.
- 1/8 STATE "KK" #1
(20) 8608 drlg 1m 7-7/8" hole, NND. 8.8-36-18.0.
Mud up @ 8500'
- 1/10 (22) 8800 TD, 1m 7-7/8" hole, 1½° 8800. 9.0-36-15.0.
Finish hole, circ 2 hrs, P & LD DP & DC's, Schl running OH logs
past 17 hrs.
- 1/11 STATE "KK" #1
8800 TD, WOC on 5½" csg, Schl ran SWN-GR-S logs 0-8797 &
laterolog from 3035-8797 in 1½ additional hrs, ran 280 jts
8800' 5½" o.d. 17.0# J-55 LT&C csg cmtd on bottom @ 8800
by Dowell w/ 2100 sx TLLW w/ 1/4# celloflake in 1st 1000 sx
+ 200 sx Class C neat cmt, PD @ 4:30 p.m. 1-10-72, cmt circ,
set slips, cut off csg, rel Marcum Drlg Co rig @ 7:30 p.m.
1-10-72.
- 1/12 STATE "KK" #1, 8800 TD
MOT, prep to MI unit to complete.
- 1/13 STATE "KK" #1, 8800 TD
MIRU X-Pert Well Ser Unit, instl BOP, ran 4-3/4" bit, 5½"
csg scraper on 2-3/8" tbg to 8752, test 5½" csg to 1500#
ok, displ wtr w/ lease oil, spot 500 gals 15% NE acid on
bottom, POH w/ 24 jts of tbg, SD for nite.
- 1/14 STATE "KK" #1, 8800 TD
Finish POH, Schl ran GR-collar corr log from 8400-8744,
then perf 5½" csg in the Abo @ 8509, 15, 16, 19, 24, 29,
30, 34, 42, 44, 49, 54, 59, 62 & 8564 w/ 2 JSPF, total of
30 holes, ran Baker Model R pkr on 2-3/8" tbg to 8100, Knox
Ser Co displ 500 gals acid into perfs, TTP 3500-4400, AIR
2.5 BPM, ISIP 3500, 5 min 1900, job compl @ 2:45 p.m. 1-13-72,
reset pkr @ 8447, attempted to load csg press, bled off,
drop standing valve, test tbg 2500# ok, SD for nite, prep
to pull tbg & pkr. -37 BLO + 12 BAW.
- 1/15 STATE "KK" #1, 8800 TD
Fish out SV w/ SL, POH w/ tbg & pkr, ran new Baker Model
R pkr set @ 8447, sw 35 BLO/ 2 hrs, 300' FIH, fr sh of gas,
Knox Ser Co acidized perfs 8509-8564 w/ 10,000 gals 15% NE
acid containing 5# FR/1000 gals, used 30 RCNB, TTP 5000-
5300#, AIR 5.5 BPM, ISIP 3400#, 10 min 1700#, job compl @
4:40 p.m. 1-14-72, sw 42 BLO + 33 BNO + 80 BAW/ 12 hrs, L
hr sw 9 bbls, S/O 60% oil, 3000' FIH, gd sh of gas. -172 BAW.
- 1/17 Sw & F 77 BNO + 30 BAW/ 10 hrs, L hr F 10 bbls fluid on
48/64" ck, TP 50#, S/O 98% oil, SI 14 hrs, TP 400#, bled
off press, POH w/ tbg & pkr, LD 63 jts 2-3/8" tbg, now running

1/18 STATE "KK" #1, 8800 TD
 Finish running 2-3/8" tbg OP to 8742, T perms 8709-8712,
 SN @ 8708, Baker anchor catcher @ 8457, set w/ 23,000# ten,
 215 jts 2-3/8" 8 EUE J-55 tbg, top of 2-3/8" tbg @ 1973,
 63 jts 1973' 2-7/8" 8rd EUE J-55 tbg, instl wellhead, now
 running pump & rods.

1/19 STATE "KK" #1, 8800 TD
 Finish running pump & rods to SN @ 8708, spaced out, clamped
 off, rig down, rel unit & rel to prod @ 9:30 a.m. 1-18-72.
 -165 BLO + 142 BAW.

1/20 STATE "KK" #1, 8800 TD
 P 147 BLO + 3 BLW/ 18 hrs. -18 BLO + 139 BLW.

1/21 STATE "KK" #1, 8800 TD
 P 18 BLO + 199 BNO + 6 BLW/ 24 hrs. -133 BLW.

1/22 STATE "KK" #1, 8800 TD
 P 170 BNO + 1 BLW/ 24 hrs. -132 BLW.

1/23 P 172 BNO + 3 BLW/ 24 hrs. -129 BLW.

1/24 P 157 BNO + 1 BLW/ 24 hrs. -128 BLW.

1/25 STATE "KK" #1, 8800 TD
 P 137 BNO + 1 BLW/ 24 hrs. -127 BLW.

1/26 STATE "KK" #1, 8800 TD
 Pull & changed pump. P 80 BNO + 1 BLW/ 14 hrs. -126 BLW.

1/27 STATE "KK" #1, 8800 TD
 P 157 BNO + 8 BLW/ 24 hrs. -118 BLW.

1/28 STATE "KK" #1, 8800 TD
 P 103 BNO + 7 BLW/ 24 hrs. -111 BLW.

1/29 STATE "KK" #1, 8800 TD.
 P 148 BNO + 6 BLW/24 hrs. - 105 BLW.

1/30 P 148 BNO + 0 BLW/24 hrs. - 105 BLW.

1/31/72 POTENTIAL NM OCC POT: P 156 BNO + 2 BLW/24 hrs, 8 - 1½ x 120 SPM,
 GOR 1698/I, Grav 37.6 @ 60, Allow 156 (NP), Top 382, Cap
 156, Compl 1/14/72.
FINAL REPORT.