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HUGHES OFFICE O.C.C.

Form C-105
Revised 1-1-65

NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT LOG

5a. Indicate Type of Lease
State ☐ Fee ☒

5. State Oil & Gas Lease No.
MM 04591

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
E.K. Queen Tr. 7

2. Name of Operator
Mobil Oil Corporation

9. Well No.
6

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

10. Field and Pool, or Wildcat
E.K. Yates 7-Rivers

4. Location of Well

UNIT LETTER **L** LOCATED **2310** FEET FROM THE **South** LINE AND **330** FEET FROM

THE **West** LINE OF SEC. **24** TWP. **18-S** RGE. **33-E** NMPM

12. County
Lea

15. Date Spudded
578-68

16. Date T.D. Reached
5-28-68

17. Date Compl. (Ready to Prod.)

18. Elevations (DF, RKB, RT, GR, etc.)
3876 Gr. '

19. Elev. Casinghead

20. Total Depth
4450

21. Plug Back T.D.
4415

22. If Multiple Compl., How Many

23. Intervals Drilled By
Rotary Tools

Cable Tools
X

24. Producing Interval(s), of this completion - Top, Bottom, Name

4293-4331 E.K. Yates Seven Rivers Queen

25. Was Directional Survey Made
Yes

26. Type Electric and Other Logs Run

GR - Collar Carr Log

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" OD		355	12-1/4	250x incor neat circ.	
5-1/2" OD		4450	7-7/8	950x incor neat circ.	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET

31. Perforation Record (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
4293, 94, 4314, 19, 23, 26, 30, & 4331 W 2 JSPF Total 18 holes				DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
				4293-4331	2 JSPF 18 holes total
					1000 gals acid
					sand water frac. w/10,000 gals
					swt 15,000# 20/40 Sand

33. PRODUCTION

Date First Production _____ Production Method (Flowing, gas lift, pumping - Size and type pump) _____ Well Status (Prod. or Shut-in)
Dry-Hold for WIW

Date of Test _____ Hours Tested _____ Choke Size _____ Prod'n. For Test Period _____ Oil - Bbl. _____ Gas - MCF _____ Water - Bbl. _____ Gas - Oil Ratio _____

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

34. Disposition of Gas (Sold, used for fuel, vented, etc.) _____ Test Witnessed By _____

35. List of Attachments

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 **6-13-68**

408

ducted, 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 _____	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 _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen 4313	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	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	355		Red Rock and Gravel				
355	1558		Red Bed				
1558	3522		Anhy				
3522	4330		Lime and Anhy				
4330	4450		Lime and Sand				

E. K. QUEEN UNIT #7-6, 2310' FSL & 330' FWL Sec 24, T-18-S, R-33-E, Lea Co, NM.
OBJECTIVE: Drill dlopment well; if dry, convert WIW. DV 7451/6205 -
Mobil Intr .771257% - Est Cost \$ 43,700.

- 5/13/68 Bldg pad.
E. K. QUEEN UNIT #7-6
- 5/14 Bldg pad, contract awarded to Leatherwood Drlg Co.
- 5/15 E. K. QUEEN UNIT #7-6
WOR.
- 5/16 E. K. QUEEN UNIT #7-6
WOR.
- 5/17 E. K. QUEEN UNIT #7-6
MIT.
- 5/18 E. K. QUEEN UNIT #7-6.
RJT. Prep to spud.
- 5/20 (2) 355' ND red rock, WOC on 355' 8-5/8" casing 20# J55 ST&C, cemented on bottom by Howco w/ 250x incore neat cement w/ 2% HA5, plug down @ 7:00 AM, 5/19/68. Cement circ, prep to drill 7-7/8" hole. Leatherwood Drilling Co. spudded in @ 4:00 PM, 5/18/68.
- 5/21 E. K. QUEEN UNIT #7-6.
(3) 1558 drlg red bed, 7-7/8" hole, 1/2° @ 1335'. Br wtr.
WOC total 24 hrs, tested 8-5/8" casing & BOP's w/ 1,000# 30 min ok.
- 5/22 E. K. QUEEN UNIT #7-6.
(4) 1696 prep to drill ahead red bed, 7-7/8" hole, 1/2° @ 1,666. Br wtr.
Stuck 8 hrs while making trip @ 1,696', bumped loose w/ bumper sub on top of DP @ rotary table.
- 5/23 E. K. QUEEN UNIT #7-6.
(5) 3090 drlg anhy, 7-7/8" hole, 1 1/4° @ 2925. Br wtr.
- 5/24 E. K. QUEEN UNIT #7-6.
(6) 3522 drlg anhy, 7-7/8" hole, 1 1/2° @ 3400. Br wtr.
- 5/25 E. K. QUEEN UNIT #7-6
(7) 3825 drlg anhy & lm, 7-7/8" hole, 1° @ 3825. Br wtr.
- 5/27 (9) 4288 drlg lm & anhy, 7-7/8" hole, 1 1/4° @ 4130. Br wtr.
- 5/28 E. K. QUEEN UNIT #7-6
(10) 4330 drlg lm & anhy, 7-7/8" hole, 1° @ 4326. 10.2-40-8.0.
Stuck bit @ 1426 making trip, spotted 50 bbls oil, bit came loose, 11 hrs down time.
- 5/29 E. K. QUEEN UNIT #7-6
(11) 4450 TD lm & sd, 7-7/8" hole, NND. 9.8-44-4.0.
TD @ 7:00 p.m. 5/28/68, circ 3 hrs, attempted to come out of hole, pulled bit to 4370, stuck, work loose, ran bit back to 4450, cond mud past 8 hrs.
- 5/31 E. K. QUEEN UNIT #7-6
4450 TD, WOC 5 1/2 csg - cond mud 11 hrs. 10.5-48-18.0, 12 1/2% oil, P & LD
4 1/2 DP & 6 1/4 DC's, RU, ran 5 1/2 csg 90 jts 15.50# 2858' LT&C csg + 26 jts
15.50# 874' ST&C csg + 23 jts 14.00# 722' ST&C csg cemented on bottom @
4450 by Howco w/ 800x Incor 6% gel + 150x Incor Neat cement, PD @ 5:40 a.m.
5/30/68, cement circ, nipple up 5 1/2 csg, rel Leatherwood Drlg Co rig @
11:30 a.m. 5/30/68, MORT.

E. K. QUEEN UNIT #7-6

6/1 4450 TD, MOT - prep to complete.

6/3 MIRU X-pert Well Serv DD Unit inst BOP ran 4-3/4" Bit & csg scraper on 2-7/8" tbg to 4415, displace mud w/ TSW, pulled bit, Schl ran GR-N collar-Carr log from surface to 4415 PBTD then perf 5 1/2" casing in the Queen sand @ 4344, 45, 46, 47, 48, 49, 52, 55, 57, 58, 59, 62, 63, 65, & 4366 w/ 2 JSPF total of 30 holes, ran RTTS pkr on 2-7/8" tbg set @ 4303', swab 32 BLW in 3 hrs sun dry 1 hr, Western Co acidized perfs w/ 1,000 gals 15% NE acid BDTP 3,000# TTP 2800# rate 1.3 BPM, ISIP 2850#, 3 min SIP 2200# job comp @ 6:00 PM 6/2/68 then swab 26 BLW + 5 BAW in 1-3/4 hrs, 150' FIH no show of oil or gas, SD for night. - 19 BAW to rec.

6/4 E. K. QUEEN UNIT #7-6, 4450 TD, 4415 PBTD. Queen perfs (4344-66). SI 11 hrs TP 0, sw 19 BAW + 6 BLW/ 11 hrs, 100' FIH, L hr sw 1/2 bbl 100% wtr, no show of oil or gas, prep to SWF.

6/5 E. K. QUEEN UNIT #7-6, 4450 TD, 4415 PBTD. Queen perfs (4344-66) Swab 8 BW/ 2 hrs, 100' FIH. Western Co SWF perfs down 2-7/8" tbg w/ 10,000 gals gelled SW containing 20# guar gum 20# adomite aqua & 2 gals aquaness 6786/ 1,000 gals + 15,000# 20/40 attawa sand BDTP 3,000# TTP 3400-3800# rate 22.5 BPM ISIP 1300# 5 min SIP 1000#, job complete @ 12:30 PM 6/4/68, SI 17 1/2 hrs, TP on vac, prep to swab test.

6/6 E. K. QUEEN UNIT #7-6, 4450 TD, 4415 PBTD. Queen perfs (4344-66). Swab 29 BLW in 12 hrs, 150' FIH, no show oil or gas, 6 hr sw 1 BLW. SD for night. - 241 RLW.

6/7 E. K. QUEEN UNIT #7-6, 4450 TD, 4415 PBTD. Queen perfs (4344-66). Swab 4 BLW/ 2 hrs, pulled tbg & pkr, Schlumberger perforated 5 1/2" casing in the Upper Queen @ 4293, 94, 4314, 18, 19, 23, 26, 30 & 4331 w/ 2 JSPF total 18 holes, ran Howco ret BP & RTTS pkr on 2-7/8" tbg, set BP @ 4338, set pkr @ 4262', swab 16 BLW in 2 hrs sw dry, SD for night, prep to acidize.

6/8 E. K. QUEEN UNIT #7-6, 4450 TD, 4415 PBTD, Queen (4293-4331). S 2 BLW/1 hr, sw dry 2 hrs, Western Co acidized perfs w/ 1000 gals 15% iron stabilized acid, BDTP 3300, TTP 3300-1500, rate 1 BPM, ISIP 1000, 5 min on vac, job compl @ 10:00 a.m. 6/7/68, then sw 26 BLW + 21 BAW/ 5 hrs, sw dry 1 hr, SD for nite. Prep to SWF.

6/10 S 2 BAW/1 hr, sw dry, Western Co SWF perfs down 2-7/8 tbg w/ 10,000 gals gelled SW containing 20# guar gum 20# adomite aqua & 2 gals aquaness 6786/ 1000 gals + 15,000# 20/40 Ottawa sd, BDTP 4500, TTP 4100-4600, rate 20.0BPM, ISIP 1800, 5 min SIP 1300, job compl @ 9:00 a.m. 6/8/68, SI 22 hrs, TP on vac, sw 51 BLW/11 hrs, no show of oil or gas, sw dry, SI for nite. Lack 219 BLW to rec.

6/11 E. K. QUEEN UNIT #7-6, 4450 TD, 4415 PBTD, Queen (4293-4331). S 2 BLW/2 hrs, unseat pkr, circ 2' of sd off BP @ 4338, ret BP, P & LD 2-7/8 tbg; pkr & BP, ran 3 1/2 SP, CO sd from 4400-4415 in 3 hrs. SD for nite

6/12 E. K. QUEEN UNIT #7-6, 4450 TD, 4415 PBTD, Queen (4293-4331). Ran SP, CO 1' of sd 4414-15 in 1 hr, remove BOP, inst'l wellhead, RD & rel X-Pert Well Serv DD unit @ 12:00 noon 6/11/68, WO CL tbg.