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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 Marshall Com	
2. Name of Operator Mobil Oil Corporation										9. Well No. 9	
3. Address of Operator Box 633, Midland, Texas 79701										10. Field and Pool, or Wildcat Drinkard	
4. Location of Well UNIT LETTER C LOCATED 840 FEET FROM THE North LINE AND 1606 FEET FROM THE West LINE OF SEC. 34 TWP. 21-S RGE. 37-E NMPM										12. County Lea	
15. Date Spudded 7-14-73		16. Date T.D. Reached 8-2-73		17. Date Compl. (Ready to Prod.) 8-24-73		18. Elevations (DF, RKB, RT, GR, etc.) 3424 GR		19. Elev. Casinghead			
20. Total Depth 6650		21. Plug Back T.D.		22. If Multiple Compl., How Many 2		23. Intervals Drilled By X		Rotary Tools		Cable Tools	
24. Producing Interval(s), of this completion — Top, Bottom, Name 6355-6488 Drinkard										25. Was Directional Survey Made No	
26. Type Electric and Other Logs Run GRS-N, Laterolog & Micro Laterolog, 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	
9-5/8		32.30		1203		12-1/4		500sx			
7		29.0, 26.0		6650		8-3/4		2025sx			
		23.0 & 22.0									
29. LINER RECORD											
SIZE		TOP		BOTTOM		SACKS CEMENT		SCREEN			
30. TUBING RECORD											
SIZE		DEPTH SET		PACKER SET							
2-3/8		6495		6300							
31. Perforation Record (Interval, size and number) 6355, 57, 59, 61, 66, 70, 72, 79, 6447, 49, 52, 70, 73, 76, 78, 86 & 6488						32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED			
						6355-6488		10,000 gals. 15% NE acid			
								250 gals. 15% NE acid			
33. PRODUCTION											
Date First Production 8-24-73		Production Method (Flowing, gas lift, pumping — Size and type pump) Flowing						Well Status (Prod. or Shut-in) Prod.			
Date of Test 8-31-73		Hours Tested 24		Choke Size 24/64		Prod'n. For Test Period 1		Oil — Bbl. 351		Gas — MCF 10	
								Water — Bbl. 351,000		Gas — Oil Ratio 40.6	
Flow Tubing Press. 520		Casing Pressure		Calculated 24-Hour Rate		Oil — Bbl.		Gas — MCF		Water — Bbl.	
34. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold										Test Witnessed By Bill 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 Christine O. Tucker						TITLE Proration Clerk			DATE 9-5-73		

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 _____	1163	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 _____	2516	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____		T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	3332	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____		T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	3837	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzte _____
T. Glorieta _____	5046	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____		T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry _____	5537	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	6005	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	6345	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	208		Red Bed				
208	1203		Anhydrite				
1203	2525		Anhydrite & Salt				
2525	3300		Anhydrite				
3300	4005		Anhy. & Lime				
4005	4237		Dolomite & Lime				
4237	4538		Dolomite				
4538	4838		Dolomite & Lime				
4838	6050		Dolomite				
6050	6640		Dolomite & Lime				
6640	6650		Lime				

DAILY DRILLING REPORT

MARSHALL COMM. #9

MARSHALL COMM #9, 1606' FWL & 840' FNL Sec 34, T21S, R37E, Lea Co, N.M. OBJECTIVE: Drill and complete dual producer in Drinkard and Paddock formations.

7/11/73 Bldg pad.

MARSHALL COMM #9

7/12 Loc compl, MIRT.

MARSHALL COMM #9

7/13 RURT.

MARSHALL COMM #9

7/14 (1) 208' drlg redbed, 12 $\frac{1}{4}$ " hole, ND. S. Mud
Leatherwood Drlg. Co. spud in @ 2:00 a.m.,
7-14-73.

7/15 (2) 1203 ND Anhy, 12 $\frac{1}{4}$ " hole, 1/4 $^{\circ}$ @ 640, 1/2 $^{\circ}$ @ 640, S. Mud
1/2 $^{\circ}$ @ 1203, now running 9-5/8" surface csg.

7/16 (3) 1203 ND, WOC 9-5/8" csg, ran 29 jts
1203' 9-5/8" OD, 32.30# H-40 8rd ST&C csg,
cmt'd on bottom @ 1203' by Howco w/500 sxs
Class C cmt w/ 2% CaCl + 1/4# flocele per sx,
PD @ 11:45 A.M. 7-15-73, cmt circ, inst BOP's,
now drlg cmt in 9-5/8" csg.

MARSHALL COMM #9

7/17 (4) 2525 drlg anhy & salt, 8-3/4" hole, 3/4 $^{\circ}$ 1392, 10# Br. Wtr.
1 $\frac{1}{2}$ $^{\circ}$ 2075, 1 $\frac{1}{2}$ $^{\circ}$ 2399.

MARSHALL COMM #9

7/18 (5) 2990 drlg anhy, 8-3/4" hole, 1 $\frac{1}{4}$ @ 2898. 10# Br Wtr.

MARSHALL COMM #9

7/19 Correction to 7/15/73 rpt: should be - $\frac{1}{4}$ @ 340.
" " 7/16/73 rpt: should be - WOC 18 hrs, test.
csg 1000#/ok.

(6) 3150 ND anhy, 8-3/4" hole, NND, 10# Br Wtr.
while making trip @ 3150, ran into crown blk, cut drlg line,
dropped blks, dropped 8-3/4 bit, 10 - 6 $\frac{1}{4}$ DC's, & lift sub in
hole, rpr rig past 15 hrs

MARSHALL COMM #9

7/20 (7) 3150 ND anhy, 8-3/4" hole, NND, 10# Br Wtr.
20 $\frac{1}{2}$ hrs rpr rig, ran tapered tap on DC's and DP, tapped
into top of fish, now POH, fish dragging.

MARSHALL COMM #9

7/21 (8) 3300 drlg anhy & lm, 8-3/4" hole, 1 $^{\circ}$ @ 3150, 10# Br Wtr.
finish POH, rec all DC's and bit, left all 3 cones off bit in
hole, ran magnetic bskt 3 runs, rec all cones.

MARSHALL COMM #9

- 7/22 (9) 3651 drlg anhy & lm, 8-3/4" hole, 1^o @ 3510. 10# Br Wtr.
- 7/23 (10) 4005 drlg dolo & lm, 8-3/4" hole, 1 1/2 @ 3650. 10# Br Wtr.
- MARSHALL COMM #9
- 7/24 (11) 4237 drlg dolo, 8-3/4" hole, NND, 10# Br Wtr
down 8 hrs cleaning all pits.
- MARSHALL COMM #9
- 7/25 (12) 4538 drlg dolo & lm, 8-3/4" hole, 3/4 @ 4300.
9.8# Br Wtr.
- MARSHALL COMM #9
- 7/26 (13) 4838 drlg dolo, 8-3/4" hole, 1^o @ 4750. 9.8# Br Wtr.
- MARSHALL COMM #9
- 7/27 (14) 5144 drlg dolo, 8-3/4" hole, 1 1/2 @ 5140. 9.8# Br Wtr.
- MARSHALL COMM #9
- 7/28 (15) 5526 drlg dolo, 8-3/4" hole, NND. 9.9# Br Wtr.
- 7/30 (17) 6050 drlg dolo & lm, 8-3/4" hole, 1 1/2 @ 5806. 9.8# Br Wtr.
- MARSHALL COMM #9
- 7/31 (18) 6180 drlg dolo & lm, 8-3/4" hole, 1 1/2 @ 6100. 9.8# Br Wtr.
- MARSHALL COMM #9
- 8/1 (19) 6444 drlg dolo & lm, 8-3/4" hole, NND. 10.0-30-15.0.
- MARSHALL COMM #9
- 8/2 (20) 6640 drlg lm, 8-3/4" hole, NND. 10.0-30.0-17.0.
- MARSHALL COMM #9
- 8/3 (21) 6650 TD lm, 8-3/4" hole, 1 1/2 @ 6645, 10.0-30.0-17.0.
finish hole 6:45 a.m. 8/2/73, circ 2 hrs, POH, Dresser-Atlas
ran GRS-N log from 0-6604, hit fillup, ran Lateralog & Micro
Lateralog from 1203-6598, ran bit to bottom, CO fillup from
6600-6650, circ 2-3/4 hrs, prep to LD DP & DC's.
- MARSHALL COMM #9, 6650 TD.
- 8/4 WOC 7" csg, LD DP & DC's, ran 175 jts 6650' 7" OD 29.0#, .
26.0#, 23.0# & 22.0# J-55 & N-80 8rd ST&C & LT&C & Buttress
csg to 6650 w/ FC @ 6619, Howco cmtd csg on bottom @ 6650
w/ 1325x TLLW containing 7# salt + 1/4# Flocele + 700x Class C
Neat cmt, PD @ 9:30 p.m. 8/3/73, cmt did not circ, set slips,
NU csg, prep to run Temp Survey.
- 8/5 WOC 12 hrs, Worth Well ran Temp Survey, T/cmt @ 1625, cleaning
pits past 24 hrs.
- 8/6 Finish cleaning pits, RD & Rel Leatherwood Drlg Co rig @ 11:00
a.m. 8/5/73, prep to set out rig.
- MARSHALL COMM #9, 6650 TD.
- 8/7 MOR, MIRU Eunice Well Serv unit 8/6/73, ran 6 1/2 bit, 7" csg
scraper on 2-3/8 tbg to 4850, SD for nite.

- MARSHALL COMM #9, 6650 TD.
- 8/8 Ran bit to 6515, CO to 6609, displ hole w/ 9.0# SW, pull bit to 6490, Howco spotted 250 gals 15% NE acid, POH, Dresser-Atlas ran GR-Collar-Corr log from 5000-6599, then perf 7" csg in the Drinkard @ 6355; 57; 59; 61; 66; 70; 72; 79; 6447; 49; 52; 70; 73; 76; 78; 86; & 6488 w/ 1 JSPF, total of 17 holes, ran Baker 7" Model R pkr on 2-3/8 tbg to 1950, SD for nite.
- MARSHALL COMM #9, 6650 TD.
- 8/9 Laid flow line, S 45 BLW/3½ hrs, sw dry, SD for nite, prep to acidize.
- MARSHALL COMM #9, 6650 TD.
- 8/10 SI 14 hrs. TP zero, 900' FIH, S 4 BNO w/ tr of LW 1½ hrs, Howco acidized perfs 6355-6488 w/ 10,000 gals 15% NE acid, used 24 RCNBS, TTP 3400, AIR 5.6 BPM (gd ball action), ISIP 800, 15 min sl vac, job compl 11:15 a.m. 8/9/73, S 25 BLW/2½ hrs, then F 4 BNO + 55 BLW/3½ hrs on 20/64 ck, TP 300, SD for nite. - 176 BLW.
- MARSHALL COMM #9, 6650 TD.
- 8/11 SI 14 hrs, TP 1000, F 50 BLW + 11 BNO/10 hrs on 30/64 ck, 1.5# plate 2" meter run, FTP 200, GR 655 MCFPD, SD for nite. - 126 BLW.
- 8/13 SI 14 hrs, TP 1000, F 21 BNO + 8 BLW on 20/64 ck/10 hrs, TP 300, GR 630 MCFPD, SD for nite & Sunday. - 118 BLW.
- MARSHALL COMM #9, 6650 TD.
- 8/14 SI 38 hrs TP 1100, kill well w/ 30 bbls 10# SW, POH w/ pkr & tbg, ran Baker 7" ret BP & set @ 5410, load hole w/ 125 bbls 10# SW, test BP 2000#/ok, Howco spotted 250 gals 15% NE acid, POH, Schl perf 7" csg in the Paddock @ 5120-30; & 5260-5268 w/ 1 JSPF, total of 18 holes, SI & SD.
- MARSHALL COMM #9, 6650 TD.
- 8/15 Howco SWF Paddock perfs 5120-5268 down 7" csg w/ 25,000 gals 9.0# gelled SW + 60,000# 20/40 Ottawa sd, TCP 3100, AIR 35.0 BPM, sanded out while flushing, lacked 50 bbls flush, job compl 10:00 a.m. 8/14/73, SI & SD, prep to CO sd.
- MARSHALL COMM #9, 6650 TD.
- 8/16 SI 21 hrs CP zero, ran knotch collar on 2-3/8 tbg to 5046, CO frac sd to top of BP @ 5410, circ hole clean, pull 48 jts of tbg, SD for nite.
- MARSHALL COMM #9, 6650 TD.
- 8/17 Finish POH w/ knotch collar, ran ret tool on RTTS pkr & 2-3/8 tbg to 5070 from Paddock perfs 5120-5268, S 125 BLW/7 hrs w/ tr oil and sl sh of gas, 3800' FIH, SD for nite. - 801 BLW.
- MARSHALL COMM #9, 6650 TD.
- 8/18 Paddock Zone: SI 14 hrs TP 650, CP zero, S & F 85 BLW w/ tr of oil 11 hrs, L hr sw 12 bbls, S/O 95% wtr, 600' FIH, fr sh of gas, SD for nite. - 746 BLW.
- 8/20 Paddock Zone: SI 13 hrs TP 700, bled off press, S 15 BNO + 43 BLW/6½ hrs, sw dry, SD 1½ hrs, run sw. 1500' FIH, fr sh of gas, SD for nite & Sunday. - 703 BLW.

- MARSHALL COMM #9, 6650 TD
- 8/21 Paddock Zone: SI 38 hrs, TP 650#, sw 21 BNO + 44 BLW/
10 hrs, 2300' to 600' FIH, fr sh of gas, SD
for nite. -659 BLW.
- MARSHALL COMM #9, 6650 TD
- 8/22 Paddock: SI 14 hrs, TP 650#, F 5 BNO/1 hr, died, swab
19 BNO + 33 BLW/10 hrs, 2300'-600' FIH, SD for nite. -626 BLW.
- MARSHALL COMM #9, 6650 TD
- 8/23 Paddock Zone: SI 14 hrs, TP 650#, kill well w/ 240 BLW, rel
RTTS pkr, washed sd of BP, ret BP @ 5410, POH w/ tbg, pkr &
BP, Schl set Baker 7" Model D pkr @ 6300, ran 2-3/8" Drinkard
tbg OP to 6495, Baker locator type seal assembly 6300', 1
jt 2-3/8" tbg type FSN w/ 1.78 I.D. @ 6270, 39 jts 2-3/8"
tbg, Baker 7" single grip type K dual pkr @ 5036, 163 jts
2-3/8" EUF 8rd tbg to surf, landed cbg w/ 8000# wt, SD for nite.
- MARSHALL COMM #9, 6650 TD
- 8/24 Kill well w/ 200 BSW, ran Paddock tbg 2.68" O.D. Baker snap
latch seal assembly, 1 jt 2-3/8" GST tbg, 1-25/32" GST SN,
160 jts 2-3/8" GST tbg, 1 10', 8' & 4' GST subs, landed seal
assembly in Baker K pkr @ 5036 w/ 12,000# wt, instl Cameron
dual tree, test tree w/ 3000# ok.
- NOTE: Correction on jts of tbg in Drinkard string above Baker
K packer, 161 jts not 163 jts as reported 8-23-73.
- From Drinkard Zone: Sw 5 BLW/ 1 hr, SD for nite.
- MARSHALL COMM #9, 6650 TD
- 8/25 Drinkard Zone: SI 12 hrs, TP 150#, sw & F 20 BNO + 70 BLW/
10 hrs, L hr F 8 bbls (S/O 70% wtr) on 25/64 ck, TP 100#.
- 8/27 Drinkard Zone: SI 12 hrs, TP 600#, F 6 BNO + 24 BLW/ 10
hrs, L hr F 3 bbls (S/O 75% wtr) on 20/64 ck, TP 250#, gas
rate 256 MCF/D, SI for nite & Sunday. -386 BLW.
- Paddock Zone: SI 24 hrs, TP 650#, bled to zero, ran sw 2
runs, F 30 BNO + 50 BLW/ 10 hrs on 48/64 ck, TP 50#, L hr
F 5 BNO + 4 BLW, SD for nite & Sunday. -753 BLW.
- MARSHALL COMM #9, 6650 TD
- 8/28 Drinkard Zone: SI 38 hrs, TP 600, F 8 BNO + 8 BLW/ 3 hrs on
20/64 ck, TP 350, SI. -378 BLW.
- Paddocke Zone: SI 38 hrs, TP 1100#, F 15 BNO + 9 BLW/ 3
hrs on 20/64 ck, TP 100-200#, SI. -744 BLW.
- Rig down, rel unit & rel well to prod @ 10:30 a.m. 8-27-73.
- 8/28 Drinkard: Put on test. -378 BLW.
- Paddock: Put on test. -744 BLW.

8/29 MARSHALL COMM #9, 6650 TD
Drinkard: Fl 5 BNO + 24 BLW/ 20 hrs, 228 MCFG/D, 20/64 ck,
TP 520. -354 BLW.

Paddock: P 30 BNO + 59 BLW/ 20 hrs, 11 MCFG/D, 20/64 ck,
TP 60. -685 BLW.

8/30 MARSHALL COMM #9, 6650 TD
Drinkard: Fl 1 BNO + 16 BLW/ 24 hrs, 298 MCFG/D, 20/64 ck,
TP 500. -338 BLW.

Paddock: Fl 43 BNO + 57 BLW/ 24 hrs, 12 MCFG/D, 20/64 ck,
TP 0-75#. -628 BLW.

8/31 MARSHALL COMM #9, 6650 TD
POTENTIAL Drinkard: NMOCC Pot: Fl 1 BNO + 10 BLW/ 24 hrs, 24/64 ck, GV
351 MCF/D, TP 520, gr 40.6 @ 60, allow (gas) 351 MCF/D.
top 852, compl 8-9-73. -328 BLW.

Paddock: Fl 32 BNO + 41 BLW/ 24 hrs, 20/64 ck, TP 0-75#,
GV 29 MCF/D.