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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 ☐

7. Unit Agreement Name

8. Farm or Lease Name

Bridges State

9. Well No.

163

10. Field and Pool, or Wildcat

Vacuum Abo, No.

2. Name of Operator

Mobil Oil Corporation

3. Address of Operator

Box 633, Midland, Texas 79701

4. Location of Well

UNIT LETTER J LOCATED 1980 FEET FROM THE East LINE AND 1980 FEET FROM

THE South LINE OF SEC. 15 TWP. 17-S RGE. 34-E 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
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8-9-71

8-30-71

9-7-71

4043.5 GR

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
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8,850

24. Producing Interval(s), of this completion - Top, Bottom, Name	25. Was Directional Survey Made
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8,710-8,753 Vacuum Abo, North

Yes

26. Type Electric and Other Logs Run	27. Was Well Cored
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Dresser-Atlas SNP, GR, BHC, Caliper, GR Lateralog, Density GR-Collar

Yes

28. CASING RECORD (Report all strings set in well)
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CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
12-3/4	33.38#	260	17-1/2	400 x	-
8-5/8	28. #	3,100	11	1500 x	-
5-1/2	15.5 & 17#	8,850	7-7/8	2700 x	-

29. LINER RECORD	30. TUBING RECORD
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SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8	8.812	-

31. Perforation Record (Interval, size and number)	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
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8,710,11,21,22,26,28,29,30,38,46,47,48,49, 50,51,52,53 Total of 17 holes

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
8,710-8,753	Runco acidized w/10,000 gals 15% Dine acid + 17 RCNB sealers

33. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)	Well Status (Prod. or Shut-in)
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9-5-71

Pump 2" X 1-1/4 X 10'

Prod.

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
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9-13-71

24

146

166.6

5-BLW

1041

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)
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37.2

34. Disposition of Gas (Sold, used for fuel, vented, etc.)	Test Witnessed By
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Sold to Phillips Petroleum Company

H. R. Elledge

35. List of Attachments

(1) Daily 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

TITLE

Authorized Agent

DATE

9-16-71

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 _____	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 3,970	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres 4,640	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzte _____
T. Glorieta 6,100	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinbry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb 7,493	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo 8,190	T. Boné 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	260		Sand, Gravel, Caliche				
260	1310		Red Beds				
1310	1527		Red Beds & Anhy				
1527	1835		Anhy & Salt				
1835	2164		Lime				
2164	2857		Salt & Anhy				
2857	3100		Anhy & Sand				
3100	8850	T.D.	Lime				

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SEP 17 1971

OIL CONSERVATION COMM.
HOBBS, N. M.

DAILY DRILLING REPORT

Bridges State #163

BRIDGES STATE #163, 1980' FSL & 1980' FEL Sec 15, T-17-S, R-34-E, Lea Co, NM. OBJECTIVE: Drill and complete single Abo producer. AFE 1126 - Mobil Intr 100% - Est Cost \$133,000.

8/9/71 Marcum Drlg Co MIRU, prep to spud.

BRIDGES STATE #163

8/10 (1) 260 ND red bed, 17½" hole, ½ @ 260, WOC on 12-3/4 csg, Marcum Drlg Co spud @ 9:00 a.m. 8/9/71, ran 9 jts 260' 12-3/4 OD 33.38# csg, cmt'd on bottom @ 260 by Howco w/ 400x Class H cmt w/ 2% CaCl, PD @ 1:15 p.m. 8/9/71, cmt circ, WOC, prep to drill 11" hole.

BRIDGES STATE #163

8/11 (2) 1765 coring anhy, 8-11/16" hole, ½ @ 1750, Br Wtr. Core #1: 1750. Drill 11" hole 260-1750, circ 2 hrs, POH, ran core bbl.

BRIDGES STATE #163

8/12 (3) 2142 coring anhy & salt, 8-11/16" hole, Br Wtr. 3/4 @ 2100. Core #1: 1750-1835, cut 85', rec 72', 1750-1788, anhy & red sh; 1788-1802, salt w/ sh stringers; 1802-1822, red sh; 1822-1835, no rec. Ran 11" bit, drill 11" hole to 2100, circ 2 hrs, POH, now cutting Core #2 from 2100.

BRIDGES STATE #163

8/13 (4) 2855 drlg anhy & salt, 11" hole, 3/4 @ 2785, Br Wtr. cut Core #2: 2100-2164, drill 11" hole to 2190; cut Core #3: 2190-2200, hole caved in, pumped core bbl loose, POH w/ bbl, ran 11" bit, drld 11" hole, cont to drill. Core #2: 2100-2164, cut 64', rec 27'; 2100-12, red rock & salt; 2112-13, anhy; 2113-27, salt, grey, red & white; 2127-64, no rec. Core #3: 2190-2200, cut 10', rec 10', rock salt, red & clear.

BRIDGES STATE #163

8/14 (5) 3100 ND anhy, 11" hole, 1½ @ 3100, Br Wtr. circ 2 hrs, POH, ran 5-9/16 DP OE to 1700, Dresser-Atlas running logs thru DP into OH 1700-3100 past 4 hrs,

8/16 (7) 3100 WOC 8-5/8 csg, ran 8-5/8 OD 28.0# H-40 csg to 3100, Howco cmt'd on bottom @ 3100 w/ 1300x TLLW w/ 17% salt/x + 200x Class C Neat w/ 2.6# salt/x, PD @ 9:30 p.m. 8/15/71, cmt circ, prep to drill 7-7/8" hole, cont on 8/14/71, POH w/ DP, Dresser-Atlas ran SNP, GR, BHC, Caliper, GR, Lateralog, BHC, Density, GR logs to 3097/25 hrs, ran bit to 2600, circ 2 hrs, POH, Dresser-Atlas ran Spectral log 2½ hrs, ran bit to bottom, circ 1 hr, P & LD DP & DC's, ran csg.

BRIDGES STATE #163
 8/17 (8) 3660 drlg lm & anhy, 7-7/8" hole, NND. Fr Wtr.
 WOC total 18 hrs, test 8-5/8 csg & BOP's 1000#/ok.

BRIDGES STATE #163
 8/18 (9) 4260 drlg lm, 7-7/8" hole, 1½ @ 4027. Fr Wtr.

BRIDGES STATE #163
 8/19 (10) 4712 drlg lm, 7-7/8" hole, ¾ @ 4684. Fr Wtr.

BRIDGES STATE #163
 8/20 (11) 5120 drlg lm, 7-7/8" hole, NND. Fr Wtr.

BRIDGES STATE #163
 8/21 (12) 5665 drlg lm, 7-7/8" hole, NND. Fr Wtr.

8/23 (14) 6605 drlg lm, 7-7/8" hole, NND. Fr Wtr.

BRIDGES STATE #163
 8/24 (15) 6882 drlg lm, 7-7/8" hole, NND. Fr Wtr.

BRIDGES STATE #163
 8/25 (16) 7170 drlg lm, 7-7/8" hole, ¼ @ 6933. Fr Wtr.

BRIDGES STATE #163
 8/26 (17) 7519 drlg lm, 7-7/8" hole, NND. Fr Wtr.

BRIDGES STATE #163
 8/27 (18) 7850 drlg lm, 7-7/8" hole, NND. Fr Wtr.

BRIDGES STATE #163
 8/28 (19) 8145 drlg lm, 7-7/8" hole, ½ @ 7948. Fr Wtr.

8/30 (21) 8755 drlg lm, 7-7/8" hole, ¾ @ 8402, 9.0-35-18.0.

BRIDGES STATE #163
 8/31 (22) 8850 TD, ran 7-7/8" hole, 1/2° 8850. 9.0-39-14.2.
 Circ 2 hrs, P & LD DP & DC's, Dresser-Atlas ran SWN-GR logs 0-
 8853, loggers TD in 5½ hrs, running 5½" csg past 1½ hrs.

BRIDGES STATE #163
 9/1 8850 TD, WOC on 5½ csg, ran 272 jts 8850' 5½ 17.0# &
 15.50# J-55 LT&C & ST&C csg, 17.0# 5996-8850, 15.50#
 0-5996, Howco cmtd on bottom w/ 2500x TLLW w/ ¼# Flocele
 in 1st 1000x + 200x Class C Neat, PD @ 1:00 p.m., cmt
 circ, lost circ, sqzd 200x into form, CP 5000, stopped
 plug 14 bbls short of displacement, set slips, cut off
 csg, RD, Rel Marcum Drlg Co rig @ 4:00 p.m. 8/31/71.

BRIDGES STATE #163, 8850 TD.
 9/2 MOT, set unit anchors, prep to MI unit to compl.

BRIDGES STATE #163, 8850 TD
 9/3 MIRU Loma Well Ser Unit, instl BOP, ran 4-3/4" bit, 5½" csg
 scraper, 4-3½" DC's on 2-3/8" tbg to 7928, rig up rev
 unit, SD for nite.

BRIDGES STATE #163, 8850 TD

9/4 Drill cement in 5½" csg from 7978-8521, SD for nite.

9/5 Finish drlg cement to 8820, test csg to 2000# ok, displ hole to lease oil, Western Co spot 500 gals HCl DINE acid on bottom, POH, SD for nite.

9/6 8850 TD, 8820 PBTD

Dresser Atlas ran GR-Collar logs 8500-8814, then perf 5½ csg in Abo w/ 1 JSPF @ 8710-11, 21, 22, 26, 28, 29, 30, 38, 46, 47, 48, 49, 50, 51, 52, 53, (17 holes) ran Baker Model R pkr on 2-3/8" tbg, set pkr @ 8001, pump acid away, psi 5000#, AIR 3 BPM, ISIP 3400, 10 min 1800, sw 43 BLO + 6 BAW/ 3 hrs, reset pkr @ 8647, Runco acidized Abo perf 8710-8753 w/ 10,000 gals 15% DINE acid + 17 RCNB, psi 4700-5500, AIR 5 BPM, ISIP 4100, 10 min 3800, job compl 6:10 p.m. 9-5-71, sw 70 BLO + 76 BNO + 49 BAW/ 11 hrs, 4400' FIH, last hr sw 20 bbls fluid 70% oil. -197 BAW.

BRIDGES STATE #163, 8850 TD, 8820 PBTD (Cont'd)

9/7 Sw 54 BNO + 41 BAW/ 11 hrs, 2500' FIH. -156 BAW.

BRIDGES STATE #163, 8850 TD, 8820 PBTD

9/8 Pull tbg and pkr, ran prod tbg w/ OP MA to 8812, 3' perf 8778-81, SN @ 8778, Guib anchor @ 8649 w/ 13,000# ten, 214 jts 2-3/8 tbg, top out w/ 65 jts 2-7/8 tbg, install wellhead, prep to run pump & rods.

-160 BLO + 197 BAW.

BRIDGES STATE #163, 8850 TD, 8820 PBTD

9/9 Ran rods & pump, space out & repairing pumping unit.

-160 BLO + 156 BAW.

BRIDGES STATE #163, 8850 TD, 8820 PBTD

9/10 Respace pump, rel unit & turn over to prod @ 9:00 a.m. 9-9-71.

-160 BLO + 156 BAW.

9/10 POP 9-9-71, no gauge.

-160 BLO + 156 BAW.

BRIDGES STATE #163, 8850 TD, 8820 PBTD.

9/11 P 160 BLO + 243 BNO + 10 BLW/24 hrs.

- 146 BLW.

9/12 P 239 BNO + 9 BLW/24 hrs.

- 137 BLW.

9/13 P 164 BNO + 5 BLW/24 hrs.

- 132 BLW.

BRIDGES STATE #163, 8850 TD, 8820 PBTD.

9/14/71 NM OCC POT TEST: P 146 BNO + 5 BLW/24 hrs, 11 - 1½ x 100" POTENTIAL SPM, GOR 1041/1, Grav 37.2 @ 60, Allow 146 BOPD NP, Top 334, Cap 146, Compl 9/5/71.

FINAL REPORT.