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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
P. O. Box 633, Midland, Texas 79701

4. Location of Well
UNIT LETTER **H** LOCATED **660** FEET FROM THE **East** LINE AND **1280** FEET FROM

7. Unit Agreement Name

8. Farm or Lease Name
Bridges State

9. Well No.
161

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

THE **North** LINE OF SEC. **12** TWP. **17-S** RGE. **34-E** NMPM

12. County
Lea

15. Date Spudded **5-7-71** 16. Date T.D. Reached **5-30-71** 17. Date Compl. (Ready to Prod.) **6-5-71** 18. Elevations (DF, RKB, RT, GR, etc.) **4020 GR** 19. Elev. Casinghead

20. Total Depth **8,800** 21. Plug Back T.D. **-** 22. If Multiple Compl., How Many **Rotary** 23. Intervals Drilled By **Rotary Tools** Cable Tools

25. Was Directional Survey Made
Yes

24. Producing Interval(s), of this completion - Top, Bottom, Name
8,684-8,641 Vacuum Abo, North

27. Was Well Cored
No

26. Type Electric and Other Logs Run
Welex GR-Collar-Corr, Schl. SNP-GR

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	23.#	1,775	12-1/4	900 x	-
5-1/2	15.5# & 17#	8,800	7-7/8	3,100 x	-

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-3/8	8,743	-

31. Perforation Record (Interval, size and number)
8,584,85,86,92,93,94,95,96,8,606,19,20,25,26,27,35,36,37,38,40 & 8,641
1-JSPF total of 20 holes

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
8,584-8,641	Runco acidized w/10,000 gals. 15% NE acid containing 5# friction reducer per/1000 gals + 20 RCNB sealers

33. PRODUCTION

Date First Production **6-5-71** Production Method (Flowing, gas lift, pumping - Size and type pump) **Pumping 2" X 1-1/4 X 14'** Well Status (Prod. or Shut-in) **Producing**

Date of Test 6-15-71	Hours Tested 24	Choke Size 2" Tub.	Prod'n. For Test Period 214	Oil - Bbl. 212.9	Gas - MCF 2-BAW	Water - Bbl. 995	Gas - Oil Ratio 36.2
Flow Tubing Press. -	Casing Pressure -	Calculated 24-Hour Rate -	Oil - Bbl. -	Gas - MCF -	Water - Bbl. -	Oil Gravity - API (Corr.) 36.2	

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 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 **X J McDaniel** TITLE **Authorized Agent** DATE **6-17-71**

INSTRUCTIONS

This form is to be filed 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 copy of an electrical and radio-activity log run in 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 31 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 10.2.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy <u>1,724</u>	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Abo _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates <u>2,943</u>	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen <u>3,916</u>	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres <u>4,670</u>	T. Sapsar _____	T. Gallup _____	T. Ignacio Qtzte _____
T. Glorieta <u>5,110</u>	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Eilenburger _____	T. Dakota _____	T. _____
T. Blinbry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb <u>7,424</u>	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo <u>8,115</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	442		Sand & Red Bed				
442	1256		Red Bed				
1256	1650		Red Bed & Anhy				
1650	1775		Anhy				
1775	2940		Anhy & Salt				
2940	3423		Lime & Shale				
3423	8800		Lime				

RECEIVED
 JUN 23 1971
 OIL CONSERVATION COMM.
 HOBBS, N. M.

DAILY DRILLING REPORT

Bridges State #161

- BRIDGES STATE #161, 1930' FNL & 660' PFL Sec 12, T-17-S,
R-34-E, Lea Co, NM. OBJECTIVE: Drill and complete single
Abo well. AFE 1109 - Mobil Intr 100% - Est Cost \$117,000.
- 5/7/71 Marcum Drlg Co MART 30% RU.
- BRIDGES STATE #161
- 5/8 1775 ND anhy, 12 $\frac{1}{2}$ " hole, 1/4 $^{\circ}$ 1256. Nat. Mud.
Now COH to run 8-5/8" surf csg, Marcum Drlg Co spudded
@ 1:15 p.m. CDT 5-7-71.
- 5/10 (3) 3165 drlg anhy 7-7/8" hole, 3/4 $^{\circ}$ 2940. Br. Wtr.
Ran 44 jts 1775' 23.0# 8-5/8" csg, cemented on bottom @
1775 by BJ Ser w/ 700 sx Class H cement w/ 8% gel +
200 sx Class neat, all cement contained 2% CaCl, PD @
1:05 p.m. 5-8-71, cement circ, WOC total 18 hrs, tested
8-5/8" csg & BOP's w/ 1000# ok.
- BRIDGES STATE #161
- 5/11 (4) 3858 drlg anhy, 7-7/8" hole, Br. Wtr.
1 $^{\circ}$ 3558.
- BRIDGES STATE #161
- 5/12 (5) 4390 drlg lm, 7-7/8" hole, Br. Wtr.
1 $^{\circ}$ 3932.
- BRIDGES STATE #161
- 5/13 (6) 4750 drlg lm, 7-7/8" hole, Br. Wtr.
1 $^{\circ}$ 4479.
- BRIDGES STATE #161
- 5/14 (7) 5013 drlg lm, 7-7/8" hole, 3/4 $^{\circ}$ 4832. Br. Wtr.
- BRIDGES STATE #161
- 5/15 (8) 5350 drlg lm 7-7/8" hole, NND. Br. Wtr.
- 5/17 (10) 6115 drlg lm 7-7/8" hole, Br. Wtr.
2 $\frac{1}{4}$ $^{\circ}$ 6050.
- BRIDGES STATE #161
- 5/18 (11) 6509 drlg lm 7-7/8" hole, NND. Br. Wtr.
- BRIDGES STATE #161
- 5/19 (12) 6720 drlg lm 7-7/8" hole, Br. Wtr.
2 $^{\circ}$ 6509.
- BRIDGES STATE #161
- 5/20 (13) 7065 drlg lm 7-7/8" hole, NND. Br. Wtr.
- BRIDGES STATE #161
- 5/21 (14) 7363 drlg lm 7-7/8" hole, NND. Br. Wtr.
- BRIDGES STATE #161
- 5/22 (15) 7538 drlg lm, 7-7/8" hole, 1 $\frac{1}{2}$ @ 7367. Br Wtr.
- 5/24 (17) 7985 drlg lm, 7-7/8" hole, 1-3/4 @ 7853. Br Wtr.

- BRIDGES STATE #161
5/25 (18) 8265 drlg lm, 7-7/8", NND. Br Wtr.
- BRIDGES STATE #161
5/26 (19) 8545 drlg lm, 7-7/8" hole, NND. 10.0-33-NC.
- BRIDGES STATE #161
5/27 (20) 8563 ND lm, 7-7/8" hole, NND. 10.0-35-15.2.
Fishing past 18½ hrs for 7-7/8 bit, 22 - 6½ DC's and 4 jts
4½ DP stuck in key seat w/ bit @ 3180, DP parted @ 2400,
ran OS, grapples slipped off fish, rerun OS w/ smaller
grapples on B. Sub, 9 DC's and 4½ DP, failed to catch fish,
POH, rerun OS w/ extension, failed to catch fish, POH, ran
OS on DP & B. Sub, caught fish, DP parted in jt above B. Sub,
ran 2nd OS, caught fish, RU Haney wire line truck, ran
free pt indicator, indicated DC's stuck @ 2695, prep to run
outside string shot.
- BRIDGES STATE #161
5/28 (21) 8563 ND lm, 7-7/8" hole, NND. 10.1-36-15.2.
Fishing past 24 hrs, Haney Wire Line Co ran outside
string shot, shot failed, rerun shot to 2700, fish
failed to come loose, ran string shot, backed off DC's
@ 2654, POH, left 18 DC's and bit in hole, ran B. Sub
on 9 DC's and DP to 2654, screwed into fish, spotted
50 bbls oil over fish, worked fish loose in 13 hrs, now
POH w/ fish.
- BRIDGES STATE #161
5/29 (22) 8750 drlg lm, 7-7/8" hole, NND. 9.8-46-19.3.
3 add'l hrs POH w/ fish, rec all fish.
- 5/31 8800 TD lm, WOC 5½ csg, finish hole, circ 3 hrs, P & LD DP,
DC's & bit, Schl ran SNP log 1700-8796 & GR log 0-8796/7½
hrs, then ran 261 jts 8800' 5½ OD N-80 & J-55 17.0# & 15.50#
used csg, cemented on bottom @ 8800 by BJ Serv w/ 2900x
TLLW w/ ¼# Flocele in 1st 2000x + 200x Incor Neat, PD @ 4:00
p.m. 5/30/71, cement did not circ, set slips, RD, Rel Marcus
Drlg Co rig @ 7:00 p.m. 5/30/71, now running Temp Surv.
- 6/1 8800 TD.
MOT, prep to MI unit to compl.
- BRIDGES STATE #161, 8800 TD.
6/2 MIRU DA&S Well Serv DD unit, inst'l BOP, ran 4-3/4 bit,
5½ csg scraper on 2-3/8 tbg to 7416, tag cement, POH,
SD for nite, prep to pick up DC's and DO.
- BRIDGES STATE #161, 8800 TD.
6/3 Ran 4-3/4 bit on 4 - 3½ DC's and 2-3/8 tbg, tag cement
@ 7416, RU rev unit, drill cement in 5½ csg 7416-8100/9½
hrs, SD for nite, cont to drill cement.
- BRIDGES STATE #161, 8800 TD.
6/4 Drill cement 8100-8750/11 hrs, circ hole clean, RD rev
unit, SD for nite.

- BRIDGES STATE #161, 8800 TD
6/5 Test 5½" csg 1500# ok, displ wtr w/ lease oil, Runco spotted 500 gals 15% NE acid on bottom, POH w/ tbg, DC's & bit, Welex ran GR-Collar corr log 8400-8745, then perf 5½" csg in the Ato @ 8584, 85, 86, 92, 93, 94, 95, 96, 8606, 19, 20, 25, 26, 27, 35, 36, 37, 38, 40 & 8641 w/ 1 JSPP, total of 20 holes, ran Baker Model R pkr on 2-3/8" tbg, set @ 8002, Runco displ acid into form, BDTF 4000#, TTP 4700#, AIR 0.5 BPM, ISIP 4300#, 15 min 3400#, bled off press, reset pkr @ 8545, sw 35 BLO/ 2 hrs, sl sh of gas, 175' PIH, SD for nite. -12 BAW.
- BRIDGES STATE #161, 8800 TD (Cont'd)
6/6 SI 11 hrs, TP 250#, bled off press, sw 12 BNO & tr of AW 1½ hrs, then Runco acidized perfs w/ 10,000 gals 15% NE acid containing 5% friction reducer per/1000 gals using 20 RCNB sealers, TTP 4800-5400, AIR 5.0 BPM, ISIP 4300, 10 min 3700#, job compl 9:30 a.m. 6-5-71, bled off press, sw & F 35 BLO + 133 BNO + 88 BAW/ 20 hrs on 48/64" ck, TP 0-75#, L hr F 13 bbls, S/O 2% AW, cont to test. -164 BAW.
- 6/7 F 62 BNO + 1 BAW/ 7 hrs on 48/64" ck, TP 75#, unseat pkr, POH w/ tbg & pkr, SD for nite.
- BRIDGES STATE #161, 8800 TD
6/8 Ran 2-3/8" tbg orange peeled to 8743, T perfs 8709-12, SN @ 8708, Baker tbg anchor catcher set @ 8578, set w/ 17,000# tension, remove BOP, instl wellhead, ran pump & rods, spaced out, rig down, rel unit & rel to prod @ 7:00 p.m. 6-7-71. -156 BLO + 163 BAW.
- BRIDGES STATE #161, 8800 TD
6/9 P 105 BLO + 8 BAW/ 12 hrs. -51 BLO + 155 BAW.
- BRIDGES STATE #161, 8800 TD
6/10 P 51 BLO + 170 BNO + 6 BAW/ 24 hrs. -149 BAW.
- BRIDGES STATE #161, 8800 TD
6/11 P 244 BNO + 4 BAW/ 24 hrs. -145 BAW.
- BRIDGES STATE #161, 8800 TD
6/12 P 248 BNO + 4 BAW/ 24 hrs.
- 6/13 P 230 BNO + 3 BAW/ 24 hrs.
- 6/14 P 230 BNO + 3 BAW/ 24 hrs. -135 BAW.
- BRIDGES STATE #161, 8800 TD
6/15 P 217 BNO + 2 BAW/ 24 hrs. -133 BAW.
- BRIDGES STATE #161, 8800 TD
6/16/71 NMOCC POT. TEST: P 214 BNO + 2 BAW/ 24 hrs, 14 x 1½ x 86 POTENTIAL SPM, GOR 995/1, grav 36.2 @ 60°, allow 214 BOPD, non pror, top 382, cap 214, compl 6-5-71. FINAL REPORT.