

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease  
State  Fee

5. State Oil & Gas Lease No.  
B-1530

7. Unit Agreement Name

8. Farm or Lease Name  
Bridges State

9. Well No.  
153

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

12. County  
Lea

1g. 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  
Box 633, Midland, Texas

4. Location of Well  
UNIT LETTER N LOCATED 610 FEET FROM THE South LINE AND 3130 FEET FROM

15. Date Spudded 2-22-71 16. Date T.D. Reached 3-18-71 17. Date Compl. (Ready to Prod.) 3-29-71

18. Elevations (DF, RKB, RT, GR, etc.) 4007 GR

20. Total Depth 8700

21. Plug Back T.D.

22. If Multiple Compl., How Many —

23. Intervals Drilled By  
Rotary Tools  Cable Tools

25. Was Directional Survey Made Yes

27. Was Well Cored NO

24. Producing Interval(s), of this completion — Top, Bottom, Name  
8456-8614 Vacuum abo. North

26. Type Electric and Other Logs Run  
Dresser Atlas SWL, GA, Latentlog, GA-Collen

CASING RECORD (Report all strings set in well)				CEMENTING RECORD		AMOUNT PULLI
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE			
<u>8 5/8"</u>	<u>.23.#</u>	<u>1600</u>	<u>12 1/4"</u>	<u>1000 X</u>	<u>—</u>	<u>—</u>
<u>5 1/2"</u>	<u>15.50 # + 17 #</u>	<u>8700</u>	<u>7 7/8"</u>	<u>3100 X</u>	<u>—</u>	<u>—</u>

LINER RECORD				TUBING RECORD		PACKER SE
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	DEPTH SET	
					<u>8630</u>	<u>—</u>

31. Perforation Record (Interval, size and number)  
8456, 58, 63, 65, 67, 77, 78, 83, 8505, 87, 16, 18, 78, 82, 96, 97, 8605, 06 & 8614 w/1-ISPFF Total of 19 Holes

ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.		AMOUNT AND KIND MATERIAL US	
DEPTH INTERVAL			
<u>8456-8614</u>		<u>1-ISPFF Total of 19 Holes</u>	<u>10,000 gals 15% NE Acid</u>

33. PRODUCTION  
Date First Production 3-30-71 Production Method (Flowing, gas lift, pumping — Size and type pump) Pumping 2" x 1 1/4" Well Status (Prod. or Shut) Prod

Date of Test 4-12-71 Hours Tested 24 Choke Size — Prod'n. For Test Period 25 Oil — Bbl. 47.5 Gas — MCF 1 Water — Bbl. 1980

Flow Tubing Press. — Casing Pressure — Calculated 24-Hour Rate — Oil — Bbl. — Gas — MCF — Water — Bbl. — Oil Gravity — API 37.3

Test Witnessed By H. R. Ellidge

34. Disposition of Gas (Sold, used for fuel, vented, etc.)  
Sold to Phillips Petroleum Co.

35. List of Attachments  
(1) Daily Drilling Report 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.  
B. D. Miller TITLE Authorized Agent DATE 4-15-71

RECEIVED

APR 1 3 1971

OIL CONSERVATION COMM.  
HOBBS, N. M.

Sand Gravel  
Red Bed  
Any  
Any & Red Bed  
Salt Any  
Any  
Any  
T.O.  
315 1211  
1465  
1600  
2761  
3189  
3189  
3189  
3189

From	To	Thickness in Feet	Formation
0	315		
315	1211		
1211	1465		
1465	1600		
1600	2761		
2761	3189		
3189	3189		
3189	3189		

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation
T. Any	1510		
T. Salt			
B. Salt			
T. Yates	2888		
T. 7 Rivers			
T. Queen	3128		
T. Grayburg			
T. San Andres	4706		
T. Glorieta	5914		
T. Paddock			
T. Dinubry			
T. Tubb			
T. Drinkard	9016		
T. Abo			
T. Wolfcamp			
T. Penn.			
T. Cisco (Bough C)			
T. Permian			
T. Chinle			
T. Wingate			
T. Entrada			
T. Bone Springs			
T. Delaware Sand			
T. Todillo			
T. Morrison			
T. Dakota			
T. Base Greenhorn			
T. Gallup			
T. Mancos			
T. Point Lookout			
T. Menefee			
T. Cliff House			
T. Pictured Cliffs			
T. Kirtland-Fruitland			
T. Ojo Alamo			
T. Penn. "B"			
T. Penn. "C"			
T. Penn. "D"			
T. Leadville			
T. Madison			
T. Elbert			
T. McCracken			
T. Ignacio Qtzite			
T. Granite			

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

INSTRUCTIONS  
This form is to be filled with the completion of any newly-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 depth data reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filled in quadruplicate except state land, where six copies are required. See Rule 1105.

DAILY DRILLING REPORT

Bridges State #153

BRIDGES STATE #153, 660' FSL & 2180' FWL, Sec 26, T17S, R34E, Lea County, New Mexico, OBJECTIVE: Drill and complete a single Abo producer - AFE #1104 - MOBIL INT. 100% - EST. COST \$117,000.

2/22/71 Marcum Drlg Co MIRT, 60% RU.

BRIDGES STATE #153

2/23 (1) 1600 not drlg anhy, 12½" hole, 1½ @ 1600. Native Mud. Running 8-5/8 surf csg past 2½ hrs, Marcum Drlg Co spudded 2:00 p.m. 2/22/71.

BRIDGES STATE #153

2/24 (2) 2030 drlg anhy & salt, 7-7/8" hole, NND. Br Wtr. Finish running 8-5/8 23# L. B. Foster csg to 1600, BJ Serv cemented csg @ 1600 w/ 800x Class H 8% gel + 2% CaCl2 + 200x Class H 2% CaCl2, PD 9:15 a.m. CST 2/23/71, cement circ, WOC 18 hrs, test csg and BOP 1000#/30 min/ok.

BRIDGES STATE #153

2/25 (3) 3340 drlg anhy & lm, 7-7/8" hole, Br Wtr. 3/4 @ 3208, Yates kicking.

BRIDGES STATE #153

2/26 (4) 3947 drlg lm, 7-7/8" hole, NND. Br Wtr.

BRIDGES STATE #153

2/27 (5) 4297 drlg lm, 7-7/8" hole, 3/4 @ 3958. Br Wtr.

3/1 (7) 5122 drlg lm, 7-7/8" hole, 3/4 @ 4620. Br Wtr.

BRIDGES STATE #153

3/2 (8) 5220 ND lm, 7-7/8" hole, NND. Br Wtr. Fishing past 17 hrs w/ bit @ 5210, 2 fish in hole, top of bottom fish @ 4168, 7-7/8" bit, 31 DC's & 21½ jts 4½ DP, ran OS, caught fish, attempted to pull fish loose, DP parted @ 3600, ran OS, B. Sub, jars, DC's & DP to 3600, caught fish, jarred up hole 3', jars failed, Homco now running free pt indicator.

BRIDGES STATE #153

3/3 (9) 5220 ND lm, 7-7/8" hole, NND. Br Wtr. Fishing past 24 hrs, Homco ran string shot to 4600, backed off @ 4166, POH, rec top OS & 18 jts 4½ DP, ran DP, screwed into fish @ 4166, Homco ran SS, backed off @ 4498, POH, rec OS, 3½ jts DP & 8 DC's, ran B. Sub, jars, DC's & DP, screwed into fish @ 4498, jarred and worked fish up hole 400', stuck w/ bit @ 4815, backed off @ 4697, POH, rec 19 DC's, now GIH w/ B. Sub, jars, DC's & DP, 4 DC's & bit left in hole.

BRIDGES STATE #153

3/4 (10) 5220 ND lm, 7-7/8" hole. Br Wtr. FIH, screw into fish @ 4697, jar 2 hrs - no success, ran Homco hydraulic CO tool & CO DP 4700-4815, establish circ & spot 100 bbls lse oil, work fish every 30 min for 11½ hrs, broke sub between swivel & Kelly, repair rig.

## BRIDGES STATE #153

- 3/5 (11) 5220 ND lm, 7-7/8" hole, NND. Mixing Mud.  
4½ DP parted 13 stands down from surf, ran 7-5/8 OD OS  
w/ 5½ grapples, caught fish, Homco ran SS, backed off @  
4697, POH, LD 6 jts crooked DP, ran jars, DC's and DP to  
4697, screwed into fish, jarred 1 hr w/ no success, backed  
off 4697, POH w/ DC's and jars, ran 7-7/8 bit to 4697, cond  
hole and mud past 7 hrs, prep to WO fish.

## BRIDGES STATE #153

- 3/6 (12) 5220 ND lm, 7-7/8" hole, NND. 9.7-40-17.2.  
Cond mud 6½ hrs, POH w/ bit, ran 7-3/4 WO shoe on 3 jts  
7-5/8 WP, jars, DC's and DP to 4697, WO DC's to 4792, POH w/  
WP, ran B. sub, jars, DC's & DP to 4697, screwed into fish  
jarred loose, POH, rec all fish, now GIH to drill.

- 3/8 (13) 5884 drlg lm, 7-7/8" hole, 2° @ 5453. Br Wtr.

## BRIDGES STATE #153

- 3/9 (14) 6427 drlg lm, 7-7/8" hole, 2° @ 5976. Br Wtr.

## BRIDGES STATE #153

- 3/10 (15) 6942 drlg lm, 7-7/8" hole, NND. Br Wtr.

## BRIDGES STATE #153

- 3/11 (16) 7260 drlg lm, 7-7/8" hole, 1-3/4 @ 6750. Br Wtr.

## BRIDGES STATE #153

- 3/12 (17) 7447 drlg lm, 7-7/8" hole, 3/4 @ 7381. Br Wtr.

## BRIDGES STATE #153

- 3/13 (18) 7758 drlg lm, 7-7/8" hole, NND. Br Wtr.

- 3/15 (20) 8100 drlg lm, 7-7/8" hole, 1° @ 8069. Br Wtr.

## BRIDGES STATE #153

- 3/16 (21) 8265 drlg lm, 7-7/8" hole, 3/4 @ 8217. Br Wtr.

## BRIDGES STATE #153

- 3/17 (22) 8425 drlg lm, 7-7/8" hole, ½ @ 8363. Br Wtr.

## BRIDGES STATE #153

- 3/18 (23) 8653 drlg lm, 7-7/8" hole, NND. 9.8-34-8.2.

## BRIDGES STATE #153

- 3/19 (24) 8700 TD lm, 7-7/8" hole, ½ @ 8700. 9.7-35-9.6.  
Circ 2½ hrs, P & LD DP & DC's, Dresser-Atlas running OH  
logs past 7 hrs.

## BRIDGES STATE #153

- 3/20 8700 TD, WOC 5½ csg, Dresser-Atlas logging 2 add'l hrs, ran  
SWN & GR log 0-8707, logger's TD, ran Lateralog 2600-8689,  
ran 262 jts 5½ 17.0 & 15.50# ST&C, LT&C & Buttress csg 1986'  
17.0 on bottom, cemented csg on bottom by BJ Serv w/ 2900x TLLW  
w/¼# Flocele in 1st 1000x + 200x Class C Neat, PD @ 5:00 p.m.  
3/19/71, cement did not cir, Rel Marcum Drlg Co rig @ 8:00 p.m.  
3/19/71, WOC 8 hrs, Worth Well ran Temp Surv top of cement @  
2600, prep to MOT

- 3/22 8700 TD.  
MOT, set unit anchors, prep to compl.

- BRIDGES STATE #153, 8700 TD  
 3/23 MIRU Lokmann Well Ser Unit, instl BOP, ran 4-3/4" bit & 5 1/2" csg scraper on 2-3/8" tbg to 8645, SD for nite.
- BRIDGES STATE #153, 8700 TD.  
 3/24 Runco Acidizing Co. tested 5-1/2" csg 1500#, OK, then displaced wtr w/oil, spot 500 gals 15% NE acid on bottom, POH. Dresser Atlas ran GR-Collar log 8300-8638 then perf 5-1/2" csg in the Abo 8456-58, 63, 65, 67, 77, 78, 83, 8505, 07, 16, 18, 78, 82, 96, 97, 8605, 06, & 8614' w/1 JSPF total of 19 holes. Ran Baker Model R pkr on 2-3/8" tbg, set @ 7925'. Runco displaced acid into formation, BDTP 3800#, TTP 3700#, AIR 0.6 BPM, ISIP 3400# 15 min. 3400#. Job comp 3:30 PM 3/23/71. Rel press, reset pkr @ 8405, swab 28 BLO 2 hrs 1600' FIH, no sh of gas. SD for nite. -9 BLO + 12 BAW.
- BRIDGES STATE #153, 8700 TD.  
 3/25 SI 11 hrs, ran swab 5600' FIH. Runco acid. perfs w/10,000 gals 15% NE acid containing 5#/1,000 gals friction reducer using 19 RCN ball sealers, TTP 4200-5000#, AIR 5.3 BPM, ISIP 3800# 10 min 3700#. Job comp. 9:30 A.M. 3/24/71. Swab 34 BLO + 100 BAW/15 hrs. L hr swab 2 bbls. S/O 75% oil, 200' FIH, sl sh gas. Cont. to swab test. -27 BLO + 152 BAW.
- BRIDGES STATE #153, 8700 TD.  
 3/26 Swab 22 BLO + 5 BAW/12 hrs. L hr swab 3 bbls, 1800' FIH, sl sh gas. Prep to POP. -5 BLO + 147 BAW
- BRIDGES STATE #153, 8700 TD.  
 3/27 POH w/ tbg & pkr, rerun 2-3/8 tbg, OP to 8630, T. Perfs 8608-11, SN @ 8607, Guib TA catcher set @ 8398 w/ 13,000# T, remove BOP, inst'l wellhead, ran pump on 150 - 3/4 rods, SD for nite.
- 3/29 Finish running pump & rods, spaced out, RD, Rel unit & Rel to Prod @ 12:00 noon 3/27/71. - 180 BLO + 147 BAW.
- BRIDGES STATE #153, 8700 TD.  
 3/30 POP, would not pump, Size 2 Hi-slip elec motor over heated, slowed unit down, P 126 BLO + 14 BAW/24 hrs. - 54 BLO + 133 BAW.
- BRIDGES STATE #153, 8700 TD.  
 3/31 P 54 BLO + 4 BNO + 5 BAW/24 hrs. - 128 BAW.
- BRIDGES STATE #153, 8700 TD.  
 4/1 P 19 BNO + 1 BAW/15 hrs, prep to pull & change pump. - 127 BAW.
- BRIDGES STATE #153, 8700 TD.  
 4/2 Pulled and changed pump. P 35 BNO + 4 BAW/16 hrs. - 123 BAW.
- BRIDGES STATE #153, 8700 TD.  
 4/3 P 24 BNO + 12 BAW/24 hrs. - 111 BAW.
- 4/4 P 29 BNO + 8 BAW/24 hrs. - 103 BAW.

Bridges State #153

- 4/5 Pulled & changed pump, inst'l Circle A gas pump, add 106 BLW checking tbg, P 8 BNO + 70 BLW/14 hrs. - 36 BLW + 103 BAW.
- BRIDGES STATE #153, 8700 TD.
- 4/6 P 12 BNO + 24 BLW/24 hrs. - 12 BLW + 103 BAW.  
Pump sticking, prep to pull rods & tbg.
- BRIDGES STATE #153, 8700 TD.
- 4/7 Killed well w/ 75 bbls form wtr, pulled rods and tbg, reran tbg to 8640, SN @ 8617, SD for nite, prep to swab to clean hole. - 87 BLW + 103 BAW.
- BRIDGES STATE #153, 8700 TD.
- 4/8 S 5 BNO + 45 BLW/4½ hrs, ran rods and pump,  
P 16 BNO + 24 BLW/14 hrs, FL 311' FIH. - 18 BLW + 103 BAW.
- BRIDGES STATE #153, 8700 TD.
- 4/12/71 NM OCC POT TEST: P 25 BNO + 1 BLW/24 hrs, 10 - 1¼ x 86" SPM,  
POTENTIAL Allow 25 nonprorated, Top 382, Cap 25, Compl 3/24/71.  
FINAL REPORT.