

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

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 Box 633, Midland, Texas 79701
4. Location of Well UNIT LETTER B LOCATED 534 FEET FROM THE NORTH LINE AND 2134 FEET FROM THE EAST LINE OF SEC. 14 TWP. 17-S RGE. 34-E NMPM

7. Unit Agreement Name
8. Farm or Lease Name Bridges State
9. Well No. 146
10. Field and Pool, or Wildcat Vacuum above north
12. County Lea

15. Date Spudded 11-21-70	16. Date T.D. Reached 12-14-70	17. Date Compl. (Ready to Prod.) 12-24-70	18. Elevations (DF, RKB, RT, GR, etc.) 4045.61	19. Elev. Casinghead —
20. Total Depth 8700	21. Plug Back T.D. —	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 8516-8589 Vacuum above north				25. Was Directional Survey Made Yes
26. Type Electric and Other Logs Run Schl. Gr-N-Collar core 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"	23.7#	1705	12 1/4	1000 X	—
5 1/2"	15.5# + 17.7#	8700	7 7/8	3100 X	—

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/4 + 2 3/8	8661	—

31. Perforation Record (Interval, size and number) 8516, 23, 25, 27, 33, 34, 45, 55, 57, 59, 61, 62, 63, 65, 68, 69, 71, 73, 80, 82, + 8589 1-JSPF To 10' of 21 Holes	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL 8516-8589 AMOUNT AND KIND MATERIAL USED KNOW. SEAR. acidized w/ 10,000 gals 15% H.F. acid + 54/100 gals. Benton Reducer + 16 RCB sealers
---	--

33. PRODUCTION							
Date First Production 12-20-70		Production Method (Flowing, gas lift, pumping — Size and type pump) Pumping — 2" x 1 1/2" x 20'				Well Status (Prod. or Shut-in) Prod.	
Date of Test 12-25-70	Hours Tested 24	Choke Size 2" Tub	Prod'n. Per Test Period 2.07	Oil — Bbl. 152.6	Gas — MCF 2-B.A.W.	Water — Bbl. 37.9	Gas — Oil Ratio —
Flow Tubing Press. —	Casing Pressure —	Calculated 24-Hour Rate 2.07	Oil — Bbl. 152.6	Gas — MCF 2-B.A.W.	Water — Bbl. 37.9	Oil Gravity — API (Corr.) —	

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 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 A. McDaniel	TITLE Authorized Agent	DATE 12-30-70
------------------------------	----------------------------------	-------------------------

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 of original and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All data reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completion, items 2 through 3a 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 11.5.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy <u>1642</u>	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 <u>2869</u>	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen <u>3849</u>	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres <u>11529</u>	T. Simpson	T. Gallup	T. Ignacio Qtzte
T. Glorieta	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinberry	T. Gr. Wash	T. Morrison	T.
T. Tubb	T. Granite	T. Todilto	T.
T. Drinkard	T. Delaware Sand	T. Entrada	T.
T. Abo <u>8066</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	300		Gravel Sand Red Beds				
300	1337		Red Beds				
1337	1700		Red Beds + Anhy				
1700	3085		Anhy + Salt				
3085	3484		Sand + shale				
3484	3646		Sand + lime				
3646	8700	T.D.	lime				

DAILY DRILLING REPORT

Bridges State #146

BRIDGES STATE #146, 534' FNL & 2134' FNL Sec 14, T-17-S, R-34-E, Lea Co, NM. OBJECTIVE: Drill and complete single Abo producer. AFE 0154 - Mobil Intr 100% - Est Cost \$117,000.

11/21/70 Marcum Drlg Co MIT - 50% RU.

11/22 (1) 1325 drlg red bed & anhy, 12½" hole. Native Mud.
1° @ 1250, Marcum Drlg Co spud in @ 4:00 p.m. 11/21/70.

11/23 (2) 1705 ND, WOC 8-5/8 csg, 1° @ 1705, ran 42 jts 1705' 8-5/8 23.0# 8rd csg, cemented on bottom @ 1705 by Howco w/ 800x Class H cement w/ 8% gel + 200x Class H Neat cement, all cement contained 2% CaCl, PD @ 9:30 p.m. 11/22/70, cement circ, WOC.

BRIDGES STATE #146

11/24 (3) 3085 drlg anhy & salt, 7-7/8" hole, ¼ @ 2696. Br Wtr.
WOC total 18 hrs, test 8-5/8 csg and BOP w/ 1000#/30 min/ok.

BRIDGES STATE #146

11/25 (4) 3650 drlg anhy, 7-7/8" hole, ¼ @ 3484. Br Wtr.

BRIDGES STATE #146

11/27 (6) 4395 drlg lm, 7-7/8" hole, ¼ @ 4115. Br Wtr.

BRIDGES STATE #146

11/28 (7) 4628 drlg lm, 7-7/8" hole, NND. Br Wtr.

11/30 (9) 4926 drlg lm, 7-7/8" hole, 1° @ 4758. Br Wtr.
Schl ran BHC-S, Laterolog & Micro Laterolog from 2600-4758 in total 7½ hrs.

BRIDGES STATE #146

12/1 (10) 5196 drlg lm, 7-7/8" hole, NND. Br Wtr.

BRIDGES STATE #146

12/2 (11) 5572 drlg lm, 7-7/8" hole, 1° @ 5572. Br Wtr.

BRIDGES STATE #146

12/3 (12) 5914 drlg lm, 7-7/8" hole, NND. Br Wtr.

BRIDGES STATE #146

12/4 (13) 6290 drlg lm, 7-7/8" hole, ¾ @ 6031. Br Wtr.

BRIDGES STATE #146

12/5 (14) 6582 drlg lm, 7-7/8" hole, ¾ @ 6374. Br Wtr.

12/7 (16) 7161 drlg lm, 7-7/8" hole, ¼ @ 6720. Br Wtr.

BRIDGES STATE #146

12/8 (17) 7435 drlg lm, 7-7/8" hole, NND. Br Wtr.

BRIDGES STATE #146

12/9 (18) 7642 drlg lm, 7-7/8" hole, ¼ @ 7482. Br Wtr.

BRIDGES STATE #146

12/10 (19) 7920 drlg 1m, 7-7/8" hole, NND. Br Wtr.

BRIDGES STATE #146

12/11 (20) 8100 drlg 1m, 7-7/8" hole, 1/2 @ 8000. Br Wtr.

BRIDGES STATE #146

12/12 (21) 8255 drlg 1m, 7-7/8" hole, 3/4 @ 8246. Br Wtr.

12/14 (23) 8629 drlg 1m, 7-7/8" hole, NND. 10.0-33-NC.

BRIDGES STATE NO. 146

12/15 (24) 8700 TD, 1m 7-7/8" hole 1^o 8700 10.0-33-NC.
Circ 2 hrs, P&LD DP & DC's, now running 5 1/2" csg, 150 jts in hole.

BRIDGES STATE #146

12/16 8700 TD, WOC 5 1/2" csg, ran 250 jts 17.0# 15.50# ST&C & LT&C 8rd csg
2083' 17.0# on bottom, cemented on bottom by Howco with 2900 sx TILW
containing 1/2# flocele in 1st 1000 sx + 200 sx incor neat, PD @ 3:25
p.m. 12-15-70, cement did not circ., WOC 8 hrs, Worth Well ran temp
survey top of cement @ 2625, rel Marcum Drlg Co rig at 6:30 p.m.
12-15-70, prep to move out tools.

BRIDGES STATE #146, 8700 TD.

12/17 MOR, set unit anchors, prep to MI unit to compl.

BRIDGES STATE #146, 8700 TD.

12/18 MIRU Lohmann Well Serv DD unit, inst'l BOP, ran 4-3/4 bit,
5 1/2 csg scraper on 2-3/8 tbg to 8669, SD for nite.

BRIDGES STATE #146, 8700 TD

12/19 Test 5 1/2" csg 1500# ok, displace wtr w/ lease oil, spott 500
gals 15% NE acid on bottom, POH, Schl ran GR-N-collar corr log
8000-8669, SD for nite, prep to perf.

12/20 Schl perf 5 1/2" csg in the Abo @ 8516, 23, 25, 27, 33, 34, 45,
55, 57, 59, 61, 62, 63, 65, 68, 69, 71, 73, 80, 82 & 8589
w/ 1 JSPF total of 21 holes, ran Baker pkr on 2-3/8 tbg and set
at 8037, Knox Ser Co displaced 500 gals in form, TTP 3500-3850#,
AIR 2.0 BM, ISIP 3400# 10 min 2600#, job compl @ 11:30 a.m.
12-19-70, reset pkr at 8471 then sw 36 BLO + 10 BNO + 6 BAW
in 3 hrs, L hr sw 16 bbls, S/O 90% oil 2600 FIH, fr sh of gas,
Knox Ser Co acidized w/ 10,000 gals 15% NE acid, containing 5#/
1000 gals friction reducer, used 16 RCNB sealers, TTP 3800-5000,
AIR 5.0 BPM, ISIP 3800 10 min 3300, job compl @ 4:30 p.m.
12-19-70, sw 36 BLO + 14 BNO + 25 BAW/ 11 hrs, L hr sw 12 bbls,
S/O 70% oil 3500 FIH, gd sh of gas -222 BAW.

12/21 Swab 163 BNO + 81 BAW/ 24 hrs, L hr sw 12 bbls, S/O 25% AW,
2800 FIH, gd sh of gas, cont to sw -140 BAW.

BRIDGES STATE #146, 8700 TD

12/22 Sw and Fl 174 BNO + 20 BAW/ 24 hrs, L hr F 5 bbls (S/O 95% oil), on open ck, TP 75#, prep to put on pump
-120 BAW.

BRIDGES STATE #146, 8700 TD

12/23 Rel pkr, POH w/tbg & pkr, ran 214 jts 2-5/8" EUE 8rd + 64 jts 2-7/8" EUE 8rd tbg orange peeled to 8661, T perfs 8629-32, SN @ 8628, Guib tbg anchor catcher @ 8444 set w/ 8000# tension, remove BOP, instl wellhead, SD for nite.

BRIDGES STATE #146, 8700 TD

12/24 Ran pump and rods to SN @ 8628, started well to pumping, pump not pumping, prep to pull and change out pumps
-165 BLO + 120 BAW.

BRIDGES STATE #146, 8700 TD

12/26 POH w/ rods and pump, changed out pumps, rerun, hung well on pump at 2:00 p.m. 12-24-70, rig down and rel unit and rel to prod at 3:00 p.m. 12-24-70
-165 BLO + 120 BAW.

BRIDGES STATE #146, 8700 TD

12/26/70 P 155 BLO + 29 BNO + 3 BAW/ 20 hrs -117 BAW.
POTENTIAL NMOCC POTENTIAL: P 207 BNO + 2 BAW/ 24 hrs, 9 x 1 1/4 x 20 SMP, GOR 737/1, Grav 37.9 @ 60°F, Allow 207 non prorated, top 334, cap 207, completed 12-19-70.
FINAL REPORT.