

COUNTY LEA FIELD Vacuum, N. STATE NM 30-025-23527

OPR MOBIL OIL CORP. MAP
137 Bridges - State
Sec 26, T-17-S, R-34-E CO-ORD
660' FNL, 2130' FEL of Sec.
Spd 6-13-70 CLASS
Cmp 7-22-70 EL 40368

CSG & SX - TUBING		CLASS			
		FORMATION	DATUM	FORMATION	DATUM
8 5/8" at 1655' w/1300 sx					
5 1/2" at 8690' w/3800 sx					
LOGS	EL GR RA IND HC A				
		TD 8700'; PBD 8600'			

IP (Abo) Perfs 8481-8525' P 167 BOPD + 27 BAW. Pot based on 24 hr test. GOR 378; Grav 37.8.

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CONT Marcum PROP DEPTH 8700' TYPE RT
 DATE

F.R. 6-15-70; Opr's Elev. 4033' GL
 PD 8700' RT (Abo)
 Contractor - Marcum
 6-15-70 TD 1655'; WOC
 6-22-70 Drlg. 4916' 1m
 Lost Circ @ 4303-06'
 6-26-70 Drlg. 6359' 1m
 7-6-70 Drlg. 8438' 1m
 7-13-70 TD 8700'; Drlg. cement
 7-20-70 TD 8700'; PBD 8600'; Swbg load
 Perf @ 8481', 8483', 8489', 8495', 8497',
 8504', 8509', 8513', 8515', 8519', 8523',
 8525' w/2 SPI
 Acid (8481-8525') 500 gals
 Swbd 2 BLO + 5 BAW + 11 BDF in 2 hrs (8481-8525')
 Acid (8481-8525') 10,000 gals
 Swbd 9 BAW in 1 hr

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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										7. Unit Agreement Name	
OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐											
b. TYPE OF COMPLETION										8. Farm or Lease Name	
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐										Bridges State	
2. Name of Operator										9. Well No.	
Mobil Oil Corporation										137	
3. Address of Operator										10. Field and Pool, or Wildcat	
P. O. Box 633, Midland, Texas 79701										Undesignated	
4. Location of Well											
UNIT LETTER <u>B</u> LOCATED <u>660</u> FEET FROM THE <u>North</u> LINE AND <u>2130</u> FEET FROM										12. County	
THE <u>East</u> LINE OF SEC. <u>26</u> TWP. <u>17-S</u> RGE. <u>34-E</u> NMPM										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			
6-13-70		7-6-70		7-22-70		4,033 GR		-			
20. Total Depth		21. Plug Back T.D.		22. If Multiple Compl., How Many		23. Intervals Drilled By		Rotary Tools Cable Tools			
8,700		8,600		-		X					
24. Producing Interval(s), of this completion - Top, Bottom, Name										25. Was Directional Survey Made	
8,481-8,525										No	
26. Type Electric and Other Logs Run										27. Was Well Cored	
Welex GR - Collar-Corr & Cement Bond Logs										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#		1,655		12-1/2		1,300 x		-	
5-1/2		15.5# & 17#		8,690		7-7/8		3,800 x		-	
29. LINER RECORD											
SIZE		TOP		BOTTOM		SACKS CEMENT		SCREEN		30. TUBING RECORD	
										SIZE DEPTH SET PACKER SET	
										2-3/8 8,598 -	
31. Perforation Record (Interval, size and number)						32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
8,481-83, 89, 95, 97, 8,504-09, 13, 15, 19, 23, & 8,525 (2 JSPF - total of 24 holes)						DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED					
						8,481-8,525 2 JSPF total of 24 holes					
						500 gals. 15% acid					
						10,000 gals 15% acid +					
						20 Ball Sealers					
33. PRODUCTION											
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)						Well Status (Prod. or Shut-in)			
7-22-70		Pumping 2" X 1-1/4 X 20'						Prod.			
Date of Test		Hours Tested		Choke Size		Prod'n. For Test Period		Oil - Bbl.		Gas - MCF	
7-26-70		24		2" T				167		63.1	
Flow Tubing Press.		Casing Pressure		Calculated 24-Hour Rate		Oil - Bbl.		Gas - MCF		Water - Bbl.	
						167		63.1		27 A.W.	
34. Disposition of Gas (Sold, used for fuel, vented, etc.)										Test Witnessed By	
Sold to Phillips Petroleum Company										H. R. Elledge	
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 <u>James McDaniel</u>				TITLE <u>Authorized Agent</u>				DATE <u>7-28-70</u>			

DAILY DRILLING REPORT

Bridges State #137

BRIDGES STATE #137, 660' FNL & 2130' FNL Sec 26, T-17-S, R-34-E, Lea Co, NM. OBJECTIVE: Drill and complete single Abo producer. AFE 0113 - Mobil Intr 100% - Est Cost \$112,000.

6/11/70 Road & loc complete, contract awarded to Marcum Drlg Co, WOR.

BRIDGES STATE #137

6/12 MIT, prep to RU.

BRIDGES STATE #137

6/13 RUT, prep to spud.

6/15 (2) 1655 ND anhy, $\frac{1}{2}$ @ 1655. S. Mud.
WOC on 1655' 8-5/8" 23# ST&C csg, cemented on bottom @ 1655 by Howco w/ 1100x Class A cement w/ 8% gel + 200x Class A Neat, all cement contained 2% CaCl, PD @ 9:30 p.m. 6/14/70, cement circ, Marcum Drlg Co spud in @ 12:00 noon 6/13/70.

BRIDGES STATE #137

6/16 (3) 2693 drlg anhy & salt, 7-7/8" hole, 1° @ 2550. Br Wtr. WOC total 18 hrs, test 8-5/8" csg & BOP w/ 1000#/ok.

BRIDGES STATE #137

6/17 (4) 3392 drlg anhy, 7-7/8" hole, 3/4 @ 3150. Br Wtr.

BRIDGES STATE #137

6/18 (5) 3855 drlg anhy, 7-7/8" hole, $\frac{1}{2}$ @ 3610. Br Wtr.

BRIDGES STATE #137

6/19 (6) 4125 drlg dolo 7-7/8" hole, 1° 4121 Br. Wtr.

BRIDGES STATE #137

6/20 (7) 4415 drlg dolo, 7-7/8" hole, 3/4 @ 4415. Br Wtr. Lost circ @ 4303-06, regain circ w/ br wtr & LCM while drlg, no lost time.

6/22 (9) 4916 drlg lm, 7-7/8" hole, $\frac{1}{2}$ @ 4710. Br Wtr & Oil 2%.

BRIDGES STATE #137

6/23 (10) 5311 drlg lm, 7-7/8" hole, 1 $\frac{1}{2}$ @ 5236, Br Wtr & Oil, 2%.

BRIDGES STATE #137

6/24 (11) 5665 drlg lm, 7-7/8" hole, 1 $\frac{1}{2}$ @ 5579. Br Wtr & Oil, 2%.

BRIDGES STATE #137

6/25 (12) 5900 drlg lm, 7-7/8" hole. Br Wtr & Oil, 2%. 1 $\frac{1}{4}$ @ 5843.

BRIDGES STATE #137

6/26 (13) 6359 drlg lm, 7-7/8" hole, $\frac{1}{2}$ @ 6276. Br Wtr & Oil, 2 $\frac{1}{2}$ %.

BRIDGES STATE #137

6/27 (14) 6840 drlg lm, 7-7/8" hole, NND. Br Wtr, 2%.

6/29 (16) 7395 drlg lm, 7-7/8" hole, $\frac{1}{2}$ @ 7147. Br Wtr, 2% oil.

- BRIDGES STATE #137
6/30 (17) 7600 drlg lm, 7-7/8" hole. Br Wtr, 2% oil.
1/2 @ 7435.
- BRIDGES STATE #137
7/1 (18) 7719 drlg lm, 7-7/8" hole, Br Wtr, 2% Oil.
3/4 @ 7645.
- BRIDGES STATE #137
7/2 (19) 7847 drlg lm, 7-7/8" hole, 1° @ 7847. Br Wtr & Oil, 2%.
- BRIDGES STATE #137
7/3 (20) 7970 drlg lm, 7-7/8" hole, NND. Br Wtr & Oil, 2% oil.
- 7/4 (21) 8070 drlg lm, 7-7/8" hole, 1° @ 7847.
Br Wtr & Oil, 1% oil.
- 7/6 (23) 8438 drlg lm, 7-7/8" hole, 3/4 @ 8413.
Br Wtr & Oil, 1% oil.
- BRIDGES STATE #137
7/7 (24) 8700 TD lm, 7-7/8" hole, NND. Br Wtr & Oil, 2% Oil.
Circ 2 1/2 hrs @ 8700, LD DP past 6 hrs, prep to run logs.
- BRIDGES STATE #137
7/8 8700 TD lm, WOC on 5 1/2 csg. Fin LD DP 1-3/4 add'l hrs,
Dresser-Atlas ran BHC-Acoustic-GR-Cal log surf to 8588/
7 1/2 hrs, then ran 271 jts 5 1/2 17 & 15.5# 8RT csg, Hallib
cement csg @ 8690 w/ 2900x Trinity Lite-Wate cement 1/4#
Flocele/x, 1st 1000x + 200x Class C Neat, lost returns
@ start of displ, stopped plug after 32 bbls of displ,
press 4500, job compl 1:00 a.m. 7/8/70, csg stuck 10'
off bottom while cem, prep to NU & rel rig.
- BRIDGES STATE #137
7/9 8700 TD lm, cut off 5 1/2 csg, Rel Marcum Drlg Co rig
4:00 a.m. 7/8/70, MORT.
- BRIDGES STATE #137, 8700 TD.
7/10 Inst'l guy line anchors, MI&RU X-Pert Well Serv DD PU,
unloaded and racked tbq, SD for nite.
- BRIDGES STATE #137, 8700 TD.
7/11 NU on 5 1/2 csg, inst'l BOP, ran 4-3/4 bit, 6 - 3 1/2 DC, 2-3/8
tbq, RU M&B Fishing Tool Co rev unit, DO cement 1335-2450/
16 1/2 hrs.
- 7/13 DO cement in 5 1/2 csg from 2450-5200 past 48 hrs, cont to
drill cement, Bit #2 in hole.
- BRIDGES STATE #137, 8700 TD.
7/14 Drlg cement in 5 1/2 csg @ 6550, drld cement from 5200-6550
past 24 hrs.
- BRIDGES STATE #137, 8700 TD.
7/15 7677 drlg cement, drld cement from 6550-6600, pulled
Bit #2, ran Bit #3, down 1 1/2 hrs unit repair.
- BRIDGES STATE #137, 8700 TD, 8600 PBTD.
7/16 Drill cement 7677-8600, circ hole clean, prep to POH &
run cement bond log & collar log.

- BRIDGES STATE #137, 8700 TD.
- 7/17 POH w/ tbg, DC's and bit, Welex ran cement bond log and GR-Collar-Corr log from 2400 to 8595, indicated top of cement @ 2620, bond log indicated good bonding 8480-8595, poor bonding 8440-80, Howco pumped down 8-5/3 csg w/ 1500# psi, then cemented down 8-5/8 csg w/ 900x Incor Neat cement, PP 1200-800, job compl @ 6:00 p.m. 7/16/70, SD for nite.
- BRIDGES STATE #137, 8700 TD.
- 7/18 Welex ran temp survey surf to 2700, indicated cement went out @ 1640-1760, ran 4-3/4 bit 5 1/2 csg scraper on 2-3/8 tbg to 8600, Cardinal Chem Co displ hole w/ lease oil, tested csg to 2000#/ck, then spotted 500 gals 15% NE acid on bottom, POH w/ tbg and bit, Welex perf 5 1/2 csg in the Abo @ 8481; 83; 89; 95; 97; 8504; 09; 13; 15; 19; 23; & 8525 w/ 2 JSPP, total of 24 holes, SD for nite.
- 7/19 Ran 5 1/2 BOT Huskey pkr on 2-3/8 tbg and set @ 8060, tested tbg to 5000# while running Cardinal Chem Co displ acid in form, TP 2400-3600, AIR 3/4 BPM, ISIP 3500, 5 min 2000#, job compl 1:10 p.m. 7/18/70, reset pkr @ 8433, S 24 BLO + 7 BAW/3 1/2 hrs, L hr sw 5 bbls, S/O 60% wtr, 700' FIH, sl sh of gas.
- 12 BLO + 5 BAW.
- 7/20 SI 13 hrs, TP 40, S 5 BAW + 11 bbls drlg fluid + 2 BLO/2 hrs, Cardinal Chem Co acidize Abo perf w/ 10,000 gals 15% NE acid using 20 RCNB sealers, TTP 4000-4500, AIR 6.8 BPM, ISIP 2900, 10 min 1200, job compl 11:30 a.m. 7/19/70, S 46 BLO + 34 BAW/5 1/2 hrs, L hr sw 9 bbls, S/O 100% AW, 5000' FIH, cont to sw test.
- 208 BAW.
- BRIDGES STATE #137, 8700 TD.
- 7/21 SI 14 hrs, TP 300, 5700' FIH, S 100 BNO + 22 BAW/10 hrs, L hr sw 15 bbls, S/O 25% AW, 1700' FIH, fr sh of gas, prep to POP.
- BRIDGES STATE #137, 8700 TD.
- 7/22 SI 14 hrs, TP 500, F 94 BNO + 22 BLW/3 1/2 hrs on 48/64 ck, TP 500-zero, unseat pkr, POH w/ tbg & pkr, ran prod tbg, OP MA @ 8598, T. Perfs 8565-68, SN @ 8564, T. Anchor 8561-64, 212 jts 2-3/8 tbg, 64 jts 2-7/8 tbg, 2 - 4' and 1 - 2' subs, remove BOP, inst'l wellhead, SD for nite, prep to run pump and rods.
- BRIDGES STATE #137, 8700 TD.
- 7/23 Ran 2" x 1 1/2" x 20' pump on 193 - 3/4, 84 - 7/8 and 65 - 1" rods, 1 - 4' x 1" sub, spaced out in SN @ 8564, clamped off, RD & Rel X-Pert Well Serv unit @ 5:00 p.m. 7/22/70, Rel to Prod.
- BRIDGES STATE #137, 8700 TD.
- 7/24 P 82 BNO + 2 BAW/13 hrs. - 142 BAW.
Prep to take OCC Pot Test.
- BRIDGES STATE #137, 8700 TD.
- 7/27/70 NM OCC POT TEST: P 167 BNO + 27 BAW/24 hrs, 9 - 100" x 1 1/2 SPM, GOR 378/1, Grav 37.8 @ 60, Allow 167 nonprorated, Top 358, Cap 167, Compl 7/19/70. - 117 BAW.
FINAL REPORT.
- POTENTIAL