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Form C-105
Revised 1-1-65

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

706 21 11 35 AM '65

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
State Bridges

2. Name of Operator
Socony Mobil Oil Company, Inc.

9. Well No.
104

3. Address of Operator
Box 1800, Hobbs, New Mexico

10. Field and Pool, or Wildcat
N. Vac. Abo, N. Vac. Wolf.-

4. Location of Well
UNIT LETTER B LOCATED 520 FEET FROM THE North LINE AND 2120 FEET FROM

12. County
Lea

THE East LINE OF SEC. 25 TWP. 17S RGE. 34E NMPM

15. Date Spudded 4-28-65 16. Date T.D. Reached 7-6-65 17. Date Compl. (Ready to Prod.) 7-14-65 18. Elevations (DF, RKB, RT, GR, etc.) 4020 Gr. 19. Elev. Casinghead 4020

20. Total Depth 10,200 21. Plug Back T.D. 10,193 22. If Multiple Compl., How Many Three 23. Intervals Drilled By Rotary Tools 0-10,200 Cable Tools -

24. Producing Interval(s), of this completion - Top, Bottom, Name
Vac. Upper Penn. - 10,016-10,116' Vac. Abo North - 9,212-9,300'
Vac. Wolfcamp - 9,784- 9,944'

25. Was Directional Survey Made
Yes

26. Types Electric and Other Logs Run
Sonic-Gamma Ray, Induction Electrical, Micro-laterolog

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
13-3/8	48#	365	17 1/2"	300	
9-5/8"	40#, 36#, 32.5#	5000	12 1/2"	5,125	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
7"	4824	10,200	1,375	

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-3/8	10,166	10,006
2-3/8	9,951	9,762

31. Perforation Record (Interval, size and number)
Penn. 10,016-10,116' 1/2" 17 holes
Wolfcamp 9,784-9,944' 1/2" 10 holes
Abo 9,212-9,300 1/2" 8 holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
DEPTH INTERVAL: See acidizing record attached
AMOUNT AND KIND MATERIAL USED: See acidizing record attached

33. PRODUCTION

Date First Production 7-13-65 (Up. Penn) Production Method Flow (Upper Penn) Well Status Prod.

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
7-14-65	6	16/64		66	91	0	1386

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)
650	Pkr.		264	364	0	41.4

34. Disposition of Gas (Sold, used for fuel, vented, etc.)
Sold

Test Witnessed By
Earl D. Hughes

35. List of Attachments
Summary of operations

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 Earl D. Hughes TITLE Group Supervisor DATE 8-16-65

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 <u>1597</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>2868</u>	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen <u>3778</u>	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres <u>4410</u>	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzte _____
T. Glorieta <u>5926</u>	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock <u>6045</u>	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb <u>7318</u>	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo <u>8027</u>	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp <u>9323</u>	T. _____	T. Chinle _____	T. _____
T. Penn. <u>9964</u>	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	285	285	Caliche				
285	754	469	Red Bed				
754	3215	2461	Anhydrite & Salt				
3215	4010	795	Anhydrite				
4010	7174	3164	Lime				
7174	7918	744	Lime & Chert				
7918	9415	1497	Lime				
9415	9533	118	Lime & Shale				
9533	9866	333	Lime & Chert				
9866	10200	334	Lime & Shale				

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SUMMARY OF OPERATIONS

1965

- 4-6 Staked location.
- 4-28 Commenced drilling operations @ 10:30 PM.
- 4-29 Set 365' of 13-3/8" surface csg.
- 4-30 Tested surface csg. w/1000# for 30 min.
- 5-5 Fished and recovered 10 7-3/4" drillcollars and bit in 83 hrs.
- 5-17 Fished and recovered 2 drill collars and 12 1/2" bit in 6 hrs.
- 5-19 Fished and recovered 4 drill collars and bit in 13 1/2 hrs.
- 5-23 Fished and recovered 5 8" drill collars stabilizer and bit in 8 hrs.
- 5-25 Fished and recovered 7 8" drill collars, stabilizer and bit in 15 hrs.
- 6-1 Set 5000' of 9-5/8" casing.
- 6-2 Ran temp survey, top cement @ 305'.
- 6-3 Tested 9-5/8" csg. w/1000# for 30 mins.
- 6-28 DST #1 (Abo) 9132-9220'.
- 7-2 DST #2 (Wolfcamp) 9720-9818'.
- 7-5 DST #3 (Upper Penn) 10,012-10,063'.
- 7-7 Schlumberger ran GR-Sonic Micro Laterolog, IES and caliper log 0-10,199'.
- 7-8 Set 5368' of 7" liner @ 10,200', top of liner @ 4824'.
- 7-8 Drill out cement 3336-4824'.
- 7-13 Drilled out cement to 10,199, tested 7" liner w/1500# for 30 min. Tested OK. Spotted 1,000 gal 15% NE Acid.
- 7-13 Schlumberger ran correlation log 5900-6300, 7900-10,193'.
- 7-13 Schlumberger perf. 7" liner in Penn. formation 10,016-10,116' w/LJSPF. Ran 2-3/8" tbg. to 10,166 w/Guib. L-30 pkr. @ 10,006', SN @ 9998'. Swab and flow 36 BLO + 44 BNO in 4 hrs. 20/64" ch. TP 400#.
- 7-14 Vacuum Upper Penn on OCC potential test flowed 264 BNO in 24 hrs. 16/64" ch. TP 650# GOR 1386 Gty. 41.4 @ 60°. Pulled tbg. Schlumberger set Guib. Type @ pkr. w/expend. plug in 7" liner @ 9986'.
- 7-15 Perf. 7" liner in Wolfcamp formation 9784-9944 w/LJSPF. Ran 2-3/8" tbg. to 9951', Guib. pkr. @ 9782', SN @ 9764', spotted 1000 gals 15% NE Acid, wash perms. 9784-9944. Re-acidize perms. w/3000 gal 15% NE Acid + 8 RCN ball sealers.
- 7-16 Vacuum Wolfcamp on OCC potential test flowed 188 BNO + 41 BSW in 24 hrs. 22/64" ch. TP 75 - 100#. GOR 1319 Gty. 40.6 @ 60°.
- 7-16 Pulled tbg. and pkr. Perf. 7" liner in Abo formation 9212-9300' w/LJSPF.
- 7-17 Ran ret. BP & set @ 9353, tbg. @ 9321, pkr. @ 9151'. Washed Abo perms. w/1000 gal. 15% NE Acid swab 40 BLO + 29 BNO + 24 BAW + 4 BSW in 9 hrs.
- 7-18 Acidized perms. 9212-9300' w/3000 gal. 15% NE acid + 8 ball sealers.
- 7-19 Ran (Penn) 2-3/8" seal lock tbg. to 10,003', Guib. seals set in type "A" pkr. @ 9986', SN @ 9984', Guib. RDG-2 ret. dual pkr. @ 9731', triple anchor @ 9187'.
- 7-19 Ran Wolfcamp 2-3/8" GST jt. Latch in dual pkr. @ 9731'. Set pkr. a/1100#. SN 9719'.
- 7-20 Ran Abo 2-3/8" GST tbg. to 9187', latch in.
- 7-21 Penn Perfs. 10,016-10,116' swab & flow 47 BLO + 13 BNO in 2-1/2 hrs. Shut in 111 hrs. TP 600#.
- Wolfcamp Perfs. 9784-9944 swab and flow 189 BLO + 18 BLW in 50 hrs.
- 7-24 Dowell acidized Wolfcamp perms. 9784-9944 w/2000 gal. 15% NE Acid + 7 RCN ball sealers. Swab & flow 96 BLO + 1 BNO + 65 BAW in 39 hrs.
- Abo Perfs. 9212-9300 run Kobe pump & 3/4" tbg. to 9087'. Pumped 457 BLO + 87 BNO + 118 BSW in 160 hrs.
- Penn Perfs. 10,016-10,116 flow 19 BLO + 5 BNO in 3 hrs. SI 168 hrs. wait on new battery completion.
- Wolfcamp Perfs. 9784-9944 flow 37 BLO + 4 BSW in 76 hrs. Shut in wait on pkr. leakage test.
- 8-12 Abo Perfs. 9212-9300 on OCC potential test pumped 74 BNO + 23 BSW in 24

135 11 25

DRILL STEM TESTS

DST #1 Abo 9132-9220'. Tool open 1 hr. 20 min. 5/8" x 1" ch. No water cushion. Opened weak blow, died in 3 min. Re-open weak blow through out test. Rec. 176' slight O & G cut drlg. mud. SFPO, BHFP 89# - 166#. 1 hr. 20 min. FBHSIP 2073#. HH 4583#. 1 hr. I BHSIP 2952# BHT 138°.

DST #2 Wolfcamp 9720-9818. Tool open 2 hrs. 5/8" x 1" ch. No water cushion. Fair blow through out test. Gas to surface 1 hr. 10 min. TSTM Rec. 2700' slight gas cut drlg. fluid. SFPO. IBHFP 365#. HH 4701#. 2 hr. IBHSIP 3886#. BHT 140°.

DST #3 Upper Penn 10,012-10,063. Tool open 35 mins. 5/8" x 1" ch. No water cushion. GTS 6 mins. 165 MCF/D. Rec. 9000' gas + 10 bbl. oil. (Gty. 40.0° @ 80°.), 2 bbl. drlg. mud. Surface FP 85#. IBHFP 297 FBHFP 568#. 1 hr. FBHSIP 3183#. HH 4984#. BHT 146°. 1 hr. IBHSIP 3355#.

PERFORATIONS

<u>Depth</u>	<u>Kind</u>	<u>Size</u>	<u>Formation</u>
10,016	Jet	1/2"	Pennsylvanian
10,021	Jet	1/2"	Pennsylvanian
10,027	Jet	1/2"	Pennsylvanian
10,035	Jet	1/2"	Pennsylvanian
10,053	Jet	1/2"	Pennsylvanian
10,059	Jet	1/2"	Pennsylvanian
10,074	Jet	1/2"	Pennsylvanian
10,085	Jet	1/2"	Pennsylvanian
10,089	Jet	1/2"	Pennsylvanian
10,091	Jet	1/2"	Pennsylvanian
10,094	Jet	1/2"	Pennsylvanian
10,097	Jet	1/2"	Pennsylvanian
10,101	Jet	1/2"	Pennsylvanian
10,104	Jet	1/2"	Pennsylvanian
10,109	Jet	1/2"	Pennsylvanian
10,113	Jet	1/2"	Pennsylvanian
10,116	Jet	1/2"	Pennsylvanian
9,784	Jet	1/2"	Wolfcamp
9,793	Jet	1/2"	Wolfcamp
9,796	Jet	1/2"	Wolfcamp
9,800	Jet	1/2"	Wolfcamp
9,807	Jet	1/2"	Wolfcamp
9,863	Jet	1/2"	Wolfcamp
9,908	Jet	1/2"	Wolfcamp
9,933	Jet	1/2"	Wolfcamp
9,940	Jet	1/2"	Wolfcamp
9,944	Jet	1/2"	Wolfcamp
9,212	Jet	1/2"	Abo
9,215	Jet	1/2"	Abo
9,260	Jet	1/2"	Abo
9,263	Jet	1/2"	Abo
9,272	Jet	1/2"	Abo
9,274	Jet	1/2"	Abo
9,296	Jet	1/2"	Abo
9,300	Jet	1/2"	Abo

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ACIDIZING

- 7-15 Wolfcamp perfs. 9784-9944. Washed w/1000 gals 15% NE Acid. Swab & flow 36 BLO + 12 BNO + 24 BAW in 9-1/2 hrs.
- 7-15 Wolfcamp perfs. 9784-9944. Acidized w/3000 gals 15% NE acid + 8 RCN ball sealers. Trt. Pr. 5000# rate 3 BPM. ISIP 5000#, 5 min. SIP 3000#. Swab & flow 38 BLO + 55 BNO + 72 BAW + 12 BSW in 13 hrs. 22/64" ch.
- 7-17 Abo perfs. 9212-9300. Acidized w/1000 gal. 15% NE acid. Displace acid. Trt. pr. 5450-5300'. Rate 3.2 BPM ISIP 4600#. 5 min. SIP 3450#.
- 7-18 Abo perfs. 9212-9300' acidized w/3000 gal. 15% NE acid + 8 ball sealers. Trt. pr. 5500-5000. Rate 3.5 BPM ISIP 4500# 5 min. SIP 4000#. Swab 36 BLO + 45 BNO + 72 BAW + 41 BSW in 16 hrs.
- 7-24 Wolfcamp perfs. 9784-9944 acidized w/2000 gal 15% NE acid + 7 RCN ball sealers. Trt. Pr. 3600#. Rate 3.8 BPM. ISIP vac.

CORE RECORD

None