

SUMMARY OF OPERATIONS

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Bridges State #112

DATE	DESCRIPTION
3-29-66	Road and loc. complete. Spud 6:30 P.M.
4-10-66	(12) 3817 Drlg anhy & lm. 12½" hole. 1° @3575. 9.8-38-40.0 5% oil.
4-12-66	(14) 4113 drlg lm. 12½ hole. 1/2° @3960. 10.1-38-45 5% oil.
4-20-66	(22) 5000 ND lime, WOC on 5000' of 9-5/8" 36# & 40# csg, 35jts 40# N80 ST&C + 127 jts 36# J 55 ST&C, cemented on bottom by Howco w/2500 sx incore 6% gel + 100 sx incore neat plug down @ 7:00 p.m. 4-20-66, cement did not circu- late, WOC 8 hrs, Worth Well ran temperature survey, found top of cement @475; nipping up csg.
4-21-66	5,192 drilling lime, 8-3/4" hole, 3/4° at 5,000', fresh water, WOC total 24 hrs. Tested BOP's and casing with 1,000# 30 minutes, okay.
5- 3-66	(35) 7714 drlg lm & sh, 8-3/4 hole, 1½ @ 7710. fresh water.
5-10-66	(42) 8,724' drlg. lm & sh - 8-3/4" hole - ND - 8.7-36-15. Mud up at 8,540'.
5-18-66	(50) 9,742' drlg. lm & sh, 8-3/4" hole, Dev. 1/2° @ 9,645' 9.0-38-12.0 5% oil
5-24-66	(56) 10,230' TD, lm & sh, 8-3/4" hole, 9.4-42-10.0 5% oil, prep to run OH logs. DST #1 Upper Penn. 10,066 - 10,230', tested 164' Tested by Howco, 2 packers, 3/4" x 1" choke, no W. C. tool opened total 2 hrs. & 40 minutes, tool opened with blow, gas to surface in 7 minutes, mud to sur- face in 35 minutes, Flowed 8 BDM & 46 BNO in 1 hr. & 56 minutes on 27/64" choke. DPP 0 - 490#, reversed out 27 BNO - SFP 490#, BHFP I 1651, F 2642, 120 minute FBHSIP 3172# HH in 5077# out 5077#, BHT 149°, 60 minute IBHSIP 3149#, gravity of oil 40.0 at 60°, GOR 1580:1. Ran bit to bottom circ 3 hrs. Now prep to log.
5-25-66	10,230 TD lm & sh, 8-3/4 hole, 9.4-43-10.0, 5% oil. Schl ran GR-S-Caliper, IES & Microlog from 5000-10,228/6 hrs, ran bit & DP to 10,230, circ 2½ hrs, pull bit, now running 7" liner.

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5-26-66	10,230 TD 1m & sh. WOC 7" liner, ran 118 jts 5512' of 7" OD 23# s95 liner w/ EOT 6-slip hanger, top of liner 4718, cement @10,228 by Howco w/700 sx Trinity Lite-wate cement + 300 sx Trinity Inferno Neet. Job compl 9:30 a.m. 5/26/66. Pull DP. WOC 8 hrs. ran 8-3/4 bit, drill cement 4488-4718, 230', circ hole clean, tested top of liner 2000 30 min ok, pull & layed down DP. Rel Foster Drlg Co rig @ 6:00 a.m. 5/27/66.
5-27-66	10,230 TD. WOC 24 hrs, total 36½ hrs MOR.
5-31-66	10,230 TD. 10.182 PBTD Finish circ mud out with lease oil. Pull tubing, DC's & bit. Welex ran GR-Collar-corr. log on 2" & 5" scale from 5700 to 10,175, then perforated 7" liner in the Wolfcamp at 9823, 28, 34,39,41,69,73, 75, 77, 96, 98, 9905, 07, 09, 11, 13, 15, 17, 19, 33, 35, 37, 39, 81, 83, 85, 87, 89, and 9991 with 1 JSPF total 29 holes. Ran Howco RTTS packer on 2-3/8" tubing to 9790. Swab 22 BLO in 1 hr. 3730' FIH, 17 BLO to recover. Continue to swab.
6- 1-66	10,230 TD, 10,182 PBTD, WC perfs (0823-9991) OA Swab 22 BLO in 4 hrs. Swab dry in 3 hrs. Western Company attempted to acidize perfs with 1000 gallons 15% NE acid. Max Press 4800# had communication. Reverse out acid, pull tubing and packer. Tested tubing back in hole to 5000#, found split in tubing at 9270'. Prep to swab load and acidize.
6- 2-66	10,230 TD, 10,182 PBTD, Wlfc (9823-9991) OA. Swab 42 BLO/3 hrs, swab dry 1 hr, Western Co. acidized perfs w/1000 gal 15% NE acid using 35 RCN ball sealers, BDTP 5600, TTP 4900, rate 1.4 BPM, ISIP 4800, 5 min SIP 3300. Job compl 11:00 a.m. 6/2/66, swab & Fl 51 BLO + 24 BAW + 102 BNO + 17 BFW/16 hrs. 7700' FIH, 1 hr swab 12 bbls, S/O 10% wtr, gd sh of gas, cont'd to test.
6- 3-66	Swab 52 BNO + 3 BW in 6 hrs, swab dry 4 hrs, Western Co. re-acidized perfs with 3000 gal 15% NE acid using 30 RCN ball sealers, BDTP 0, TTP 0-4800#, rate 4.6 BPM, ISIP 2800#, 4 min SIP on Vac. job complete 5:30 p.m. 6-3-66. Swab 45 BLO + 23 BAW 11 hrs. 7800' FIH, no show of gas, swab 4 bbls Last hr. S/O 35% AW, lack 1 BLO + 49 BAW to rec, cont to swab.
6- 7-66	Swab 10 BNO + 8 BFW in 2½ hrs, pulled tbg & RTTS pkr, Welex set Howco DM retainer in 7" liner @9950, ran 2-3/8 tbg set in ret 9950 attempted to load csg w/75 BLO no success,

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DATE	DESCRIPTION
6- 7-66 (Continued)	attempted to pump into perfs 9981-9941 3000#, no success, pulled tbg, ran Howco sliding sleeve DC ret. on 2-3/8 tbg set @ 9790, circ. oil to water Howco squeezed Wolfcamp Perfs w/200 sx TIN cement, max press 6000#, reversed out 70 sx, job complete @ 5:30 a.m. 6-8-66, WOC.
6- 9-66	Drilled ret & cement from 9800-9813, then drilled cement stringers to 9950 in 6 hrs. Tested csg 2000#, would not hold, leak-back, pull bit, DC's & tbg, ran Howco RTTS pkr on tbg to 9745, pumped into perfs, 1/2 BPM @6000#. Howco squeezed Wlfc perfs w/100 sx TIN cement, Max press 6500. Job compl 8:00 a.m. 6/9/66. Reversed out 30 sx of cement, pull tbg & RTTS pkr, prep to drill out.
6-10-66	Ran 6 1/2 bit & csg scraper on 5 - 4 1/2 DC's & 2-3/8 tbg, drill cement 9669-9831, & 9938-9950, drill reliner @ 8950 & cement from 9950-9975, ran bit to 10,175, reverse, circ 1 1/2 hrs, tested csg w/2000# 30 min ok. displacing wtr w/ oil past 5 hrs.
6-13-66	Abo Perfs (8411-47) Swab 16 BNO in 4 hrs, Western Co. re-acidized perfs w/2500 gal 15% NE acid using 6 RCN ball sealers, TTP 4600# rate 3.0 BPM ISIP 4600#, 5 min SIP 2800#, job complete @ 11:00 a.m. 6-13-66, swab & flowed 34 BLO + 60 BAW + 98 BNO in 19 hrs, flowed for 12 hr on 48/64" ck, TP 110# - 50#, died past 2 hrs, prep to swab test.
6-15-66	Abo (8411-47) OA. Fl 67 BNO in 7 hrs on 32/64 ck. TP 50#. GOR 590/1, Grav 37.0 @60°. L hr FL 8 BNO, S/O 1% wtr. Western Co acid frac perforations w/7500 gal gelled 15% reactral acid using 3500# 20/40 Ottawa sd - Pump 24 BBS treated oil ahead of acid - flushed w/36 bbls, treated fresh wtr. BDTP 6900#, TTP 7200#, rate 8.3 BPM, ISIP 3950#, 10 min SIP 2600#. Job complete @ 5:45 p.m. 6/15/66, SI 6 hrs, TP on vac, swab 36 BLW + 109 BAW in 5 hrs, 1 hr swab 14 bbls AW w/ tr of oil and gas. Lack 25 BLO+71BAW to rec. Cont'd to swab.
6-16-66	Swab and Fl 25 BLO & 78 BNO + 65 BAW/17 1/2 hrs on 48 to 28/64ck. TP 0-200#. Then Abo Pot Test OCC: Fl 78 BNO/6 hrs (calculated 312 BOPD) on 28/64 ck, GOR 711:1, Grav 39.0 @ 60°, TP 250#, C.P. Pkr, allowable 215 BOPD, top allow 215 BOPD, Fl 14 BNO 1 hr S/O 1% AW. Completion date 5:45 p.m. 6-15-66. 6 BAW to rec from zone. Prep to perf and test Glorieta.

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DATE	DESCRIPTION
6-17-66	Unseat RTTS pkr - ret BP from 8500, reset @ 8320, pulled tbg & RTTS pkr, changed out rams in BOP, Welex perforated 7" liner in the Glorieta @ 6009, 11, 13, 15, 19, 21, 23, 28, 30, 32, 34, 36, & 38 w/ 1 JSP/F total 13 holes, ran 2-3/8 tbg to 6037, RTTS pkr @5975, swab 61 BLO + 57 BSW/11 hrs. 1 hr swab 4 bbls, S/O, 65% SW. Cont'd to swab.
6-19-66	Glorieta (6009-38) OA. Swab 40 BLO + 183 BSW/24 hrs. Released pkr - ran pkr to 7800, circ oil out of hole w/wtr dumped 5 sx of sand on BP @ 8320 - pull tbg & pkr, removed 2 jts of tail pipe, ran pkr to 6077, tested BP w/2000# ok, reset prk @ 5829, Howco squeezed Glorieta perfs w/200 sx TIN cement containing .6% of Halad 9. maz press 4800#, Job compl @ 5:30 p.m. 6/19/66. SI 12 hrs - prep to pull pkr & drill out.
6-20-66	Pulled 2-3/8 tbg & RTTS pkr, ran 6 1/2 bit, csg scraper on 5 - 4 1/2 DC's & 2-3/8 tbg, drill cement 5857 to 6040 in 2 hrs, ran bit to 6700, circ hole clean, tested 7" liner w/2100# 30 min ok, ran bit to 8320, circ sand off BP, displace wtr w/oil, pull tbg, DC's & bit, Welex reperforated 7" liner in the Glorieta @ 6011, 13,15,19,21,23,28,30,32,34, & 36 w/ 1 SP/F, total 11 holes, prepare to run tbg & pkr & test.
6-22-66	Glorieta (6011-6036). Swab 11 BNO + BFW in 4 hrs, then Western Co acidized perfs w/ 1000 gals 15% NE acid. BDTP 800#. TTP 800#, rate 2.2 BPM. ISIP 600#, 5 min SIP 200#. Job compl 11:58 a.m. 6/22/66, then swab & Fl 24 BLO + 174 BNO + 24 BAW + 47 BFW in 17 hrs on 48 to 24/64 ck. TP 0-100#. Prep to potential.
6-23-66	Swab & Fl 132 BNO + 35 BSW in 9 hrs on 48-32/64 ck. 1 hr swab 20 bbls, S/O, 35% wtr. GOR 888:1, Grav. 35.0 @ 60°. TP 0-300. Unseated RTTS pkr, set pkr below Glorieta perfs tested BP @ 8320 w/2000#/ok. Pull tbg, pkr & BP, Welex set Guiberson type A production pkr in 7" liner @ 10,010. Now running Penn 2-3/8 tbg.
6-27-66	U Penn (10,043-10,121) Welex perf U Penn zone at 10,043, 45,57,61,67,69,77,79,81,83,85,92,94,96,101,103,106,109,113, 117,119,& 121 1 jt sh/interval through 2-3/8 tbg, then Sw & Fl 42 BLO + 44 BNO + 15 BLW/6 Hrs, 48/64-19/64 ck, TP - 0-550, then on 6 hr O.O.C. Pot Test Fl 78 BNO 6 hrs, 19/64 ck, GOR 1324, Gvty 41° @ 60°. TP 550. Allow 294, Top Allow 294, Last hr Fl 13 BNO, S/O Clean. Released X-Pert DD Unit

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<u>DATE</u>	<u>DESCRIPTION</u>
6-27-66 (Continued)	6 a.m. 6/28/66. Released to Production Foreman. Compl date U Penn 4 p.m. 6/27/66.
6-30-66	Running pkr leakage test.
7- 7-66	On OCC Pot Test. P 95 BNO & no wtr in 24 hrs. GOR 196/1. Grav 37.3 @60. Allowable 60 BOPD, Top Field Allow 60 BOPD. Completed 6/23/66. Vacuum Glorieta Fld, Lea Co. N.M. <u>FINAL REPORT.</u>

MOBIL OIL CORPORATION
FORMERLY SOCONY MOBIL OIL COMPANY, INC.
DEVIATION SURVEY RECORD

LEASE State Bridges

WELL NO. 112

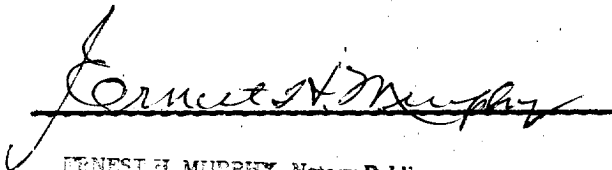
<u>DATE</u>	<u>TYPE</u>	<u>DEPTH</u>	<u>DEGREES OFF VERTICAL</u>
3-31-66	Eastman	170	1/2
4-1-66	Eastman	380	1/4
4-2-66	Eastman	873	1/4
4-3-66	Eastman	1744	1/2
4-3-66	Eastman	2170	1/2
4-4-66	Eastman	2710	1/4
4-5-66	Eastman	3180	1/4
4-8-66	Eastman	3400	3/4
4-9-66	Eastman	3575	1
4-11-66	Eastman	3820	1/2
4-12-66	Eastman	3960	1/2
4-14-66	Eastman	4345	1/2
4-16-66	Eastman	4580	1/4
4-20-66	Eastman	4995	3/4
4-22-66	Eastman	5200	1
4-24-66	Eastman	5815	1-1/4
4-26-66	Eastman	6240	1-1/4
4-27-66	Eastman	6540	1/2
4-28-66	Eastman	6865	1
4-29-66	Eastman	7000	1/2
4-30-66	Eastman	7185	1-1/2
5-1-66	Eastman	7300	1/2
5-2-66	Eastman	7405	1/2
5-4-66	Eastman	7710	1-1/4
5-5-66	Eastman	7850	1/2
5-7-66	Eastman	8010	1
5-7-66	Eastman	8115	1-1/4
5-8-66	Eastman	8240	3/4
5-9-66	Eastman	8305	1
5-10-66	Eastman	8500	1-1/4
5-11-66	Eastman	8720	1-1/2
5-12-66	Eastman	8870	1-1/2
5-13-66	Eastman	9015	1-1/2
5-13-66	Eastman	9095	1-1/2
5-15-66	Eastman	9300	1-3/4
5-16-66	Eastman	9460	1-1/4
5-17-66	Eastman	9610	1
5-18-66	Eastman	9655	1/2
5-19-66	Eastman	9750	1
5-21-66	Eastman	9730	1
5-22-66	Eastman	10,080	1/2
5-23-66	Eastman	10,200	3/4

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Mobil Oil Corporation, Formerly Socony Mobil Oil
Company, Inc.
Lease: State Bridges, Well No. 112

I hereby certify that the above information is true and correct to the best of my knowledge and belief.


T. A. Payne, Authorized Agent

Suscribed and sworn to before me this 6th day of June, 1966, Notary Public
in and for Midland County, State of Texas


ERNEST H. MURPHY, Notary Public
in and for Midland County, Texas

My Commission Expires June 1, 1967