

BS OFFICE O. C. C.

Santa Fe, New Mexico

AUG 3 8 13 AM '64

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in **QUINTUPLICATE**. If State Land submit 6 Copies

AREA 640 ACRES
LOCATE WELL CORRECTLY

Socony Mobil Oil Company, Inc.

State "0"

(Company or Operator)

(Leave)

Well No. 2, in NW $\frac{1}{4}$ of SW $\frac{1}{4}$, of Sec. 33, T. 17S, R. 35E, NMPM.
Vacuum (Glorieta) Lea

Well is 990 feet from West line and 1700 feet from South line
of Section 33 If State Land the Oil and Gas Lease No. is B-2863

Drilling Commenced 5/18 19 64 Drilling was Completed 6/30 1964

Name of Drilling Contractor..... **Marcum Drilling Co.**

Address: P. O. Box 5094, Midland, Texas

Elevation above sea level at Top of Tubing Head.....3940..... The information given is to be kept confidential until
-
..... 19.....

No. 1, from 6119 to 6136' No. 4, from to
No. 2, from to No. 5, from to
No. 3, from to No. 6, from to

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from None to - feet.

No. 2, from _____ to _____ feet.

No. 3, from _____ to _____ feet.

No. 4, from _____ to _____ feet.

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
13-3/8	48#	New	355'	-	-	-	Surface String
9-5/8	36#	New	3200'	-	-	-	Intermediate String
7" (Liner)	23#	New	3401'	-	-	6119 - 6136	Production String

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
17-1/2	13-3/8	355	300	Pump & Plug	-	-
12-1/4	9-5/8	3200	1530	" "	-	-
8-3/4"	7" (Liner)	6369	750	" "	-	-

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

Perfs: 6119-6136 Acidized w/4250 gals 15% NE Acid + 54 RCN ball sealers.

Result of Production Stimulation

..Depth Cleaned Out

If drill-stem or other special tests or denazation surveys were made, submit report on separate sheet and attach hereto.

Rotary tools were used from 0 feet to 9000' feet, and from _____ feet to _____ feet.
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

Put to Producing.....7-7....., 1964

OIL WELL: The production during the first 24 hours was 238 barrels of liquid of which 97% was oil; -% was emulsion; 3% water; and -% was sediment. A.P.I. Gravity 38.2

GAS WELL: The production during the first 24 hours was..... M.C.F. plus..... barrels of liquid Hydrocarbon. Shut in Pressure..... lbs.

Length of Time Shut in.....

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico

Northwestern New Mexico

T. Anhy.....	1530	T. Devonian.....	T. Ojo Alamo.....
T. Salt.....	1688	T. Silurian.....	T. Kirtland-Fruitland.....
B. Salt.....	2705	T. Montoya.....	T. Farmington.....
T. Yates.....	2866	T. Simpson.....	T. Pictured Cliffs.....
T. 7 Rivers.....		T. McKee.....	T. Menefee.....
T. Queen.....	3724	T. Ellenburger.....	T. Point Lookout.....
T. Grayburg.....		T. Gr. Wash.....	T. Mancos.....
T. San Andres.....	4386	T. Granite.....	T. Dakota.....
T. Glorieta.....	6015	T.	T. Morrison.....
T. Yeso	6117	T.	T. Penn.....
T. Tubbs.....	7295	T.	T.
T. Abo.....	8267	T.	T.
T. Penn.....		T.	T.
T. Miss.....		T.	T.

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	1115	1115	Red Bed				
1115	1772	657	Red Bed & Anhydrite				
1772	3075	1303	Anhydrite & Salt				
3075	3323	248	Anhydrite				
3323	6675	3352	Lime				
6675	6874	199	Lime & Shale				
6874	8402	1528	Lime				
8402	8713	311	Lime & Shale				
8713	9000	287	Lime				

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED.

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

July 28, 1964

(Date)

Company or Operator, Socony Mobil Oil Co., Inc.

Address Box 1800, Hobbs, New Mexico

Name.....

Position or Title.....Group Supervisor.....

SUMMARY OF OPERATIONS

5/18/64 Marcum Drlg. Co. commenced drilling operations @ 8:30 P.M.
 5/19/64 Set 355' of 13-3/8" surface casing.
 5/20/64 Tested 13-3/8" casing w/1000# for 30 mins.
 5/24/64 Set 3200' of 9-5/8" casing.
 5/25/64 Tested 9-5/8" casing w/1000# for 30 mins.
 6/1/64 Fished & recovered drill collars & 3 bit cones in 148 hrs.
 6/26/64 DST #1 8595 - 8680.
 6/27/64 DST #2 8640 - 8720.
 6/27/64 Changed out 2000' of drill pipe.
 6/28/64 DST #3 8640 - 8720'.
 7/1/64 Schlumberger ran Sonic log - Gamma ray log 0-8995'.
 7/1/64 Schlumberger ran Induction - Laterolog 3202 - 9001'.
 7/1/64 Schlumberger ran Microlog 6000 - 9003'.
 7/1/64 Spotted 50 sx Incor neat cement plug 8270 - 8090', spotted
 50 sx Incor neat cement plug 7300 - 7120'.
 7/3/64 Set 3401' of 7" Liner @ 6369', top of liner @ 2968'.
 7/3/64 Spotted 100 Sx. cement plug @ 6450'.
 7/3/64 Tested top of Liner w/1200# for 30 mins.
 7/7/64 Tested 7" Liner w/1500# for 30 mins.
 7/7/64 Schlumberger perf 7" Liner 6119 - 6136' w/LJSPF through
 tbg. Swab 21 BLO in 3 hrs. Swab dry 5 hrs.
 7/7/64 Cardinal Chemical Co. acidized perfs. 6119 - 6136 w/500 gal
 15% NE acid.
 7/8/64 Attempt to squeeze perfs. 6119 - 6136 w/100 Sx Incor neat
 cem. WOC 12 hrs. Press to 4000#, Unable to pump in. Swab
 19 BLO in 2 hrs.
 7/9/64 Cardinal Chemical acidized w/500 gal 15% NE Acid.
 7/10/64 Spotted 110 gal 15% NE Acid @ 6173'.
 7/10/64 Attempt to perf 7" Liner, gun stopped @ 6123'.
 7/11/64 Ran bit & drilled cement 6123 - 6140'.
 7/11/64 Cardinal Chemical spotted 250 gal 15% Acid 6140'.
 7/12/64 Re-perf 7" Liner 6119 - 6136' w/LJSPF.
 7/12/64 Cardinal Chemical acidized perfs 6119 - 6136 w/890 gals. 15%
 NE Acid + 14 RCN Ball sealers.
 7/13/64 Cardinal Chemical Co. acidized perfs 6119 - 6136 w/2000
 gal 15% NE Acid + 40 RCN Ball sealers.
 7/14/64 On NMOCC potential test flow 232 BNO + 24 BAW in 24 hrs.
 34/64" ch. GOR 644 GTY 38.2 @ 60°. TP 75#.

DRILL STEM TESTS

6/26/64 DST #1 Abo formation 8595 - 8680'. No test, leak in
 drill pipe.
 6/27/64 DST #2 Abo formation 8640 - 8720'. No test, drill pipe
 collapsed..
 6/28/64 DST #3 Abo formation, tool open 34 mins. 5/8" x 1" ch. No
 WC. Opened w/weak blow. Died. Rec. 20' drlg. mud. SFP
 0#. BHFP 57-57#. 1 hr. FBHSIP 57#. H H 3740# in and out.

PERFORATIONS

ZONE	DEPTH	SIZE	KIND	REMARKS
Glorieta	6119-6136	1/2"	Jet	

ACIDIZING

7/3/64 Cardinal Chemical Co. acidized perfs. 6119 - 6136 w/500
 gal 15% NE Acid. Brk down. pr. 1800#. Trt. pr. 3400#. Rate
 3.2 BPM. Swab 36 BLO + 9 BNO + 4 BAW in 12 hrs.

7/9/64 Cardinal Chemical Co. acidized perfs. 6119 - 6136 w/500 gal 15% NE Acid. Brk dwn pr 4500#. Trt. pr. 4700-3700#. 3 BPM. ISIP 2500#. Swab 34 BLO + 6 BAW + 3 BNO in 11 hrs.

7/10/64 Cardinal Chemical Co. spotted 110 gal 15% NE Acid @ 6173.

7/11/64 Cardinal Chemical Co. spotted 250 gal 15% NE Acid @ 6140'.

7/12/64 Cardinal Chemical Co. acidized perfs. 6119 - 6136 w/890 gals 15% Ne Acid + 14 RCN Ball sealers. Brk. dwn. pr. 2600#, trt pr. 3600 - 3400#. Rate 2/4 BPM. ISIP 2800#. Swab & flow 56 BLO + 246 BNO + 19 BAW in 42 hrs. TP 50 - 75#.

7/13/64 Cardinal Chemical Co. acidized perfs. 6119 - 6136 w/2000 gals. 15% NE Acid + 40 RCN ball sealers. Trt. pr. 2500#. Rate 3.9 BPM. ISIP 1200#, 5 min SIP 600#. Swab & flow 30 BLO + 112 BNO + 12 BAW in 12-1/2 hrs. 48/64 to 34/64" ch. TP 75#.