

Socony Mobil Oil Company, Inc.

State Bridges #95, Unit P
Sec. 26, T-17S, R-34E, Lea
County, New Mexico

PERFORATIONS (CONTINUED)

<u>Zone</u>	<u>Depth</u>	<u>No.</u>	<u>Size</u>	<u>Kind</u>
Abo	9,185	1	1/2"	Jet
Abo	9,187	1	1/2"	Jet
Abo	9,189	1	1/2"	Jet
Abo	9,191	1	1/2"	Jet
Abo	9,193	1	1/2"	Jet
Abo	9,195	1	1/2"	Jet
Abo	9,197	1	1/2"	Jet
Abo	9,199	1	1/2"	Jet

DRILL STEM TESTS

- 6/3/62 DST #1 Yeso 6170-6245. Tool open 1 hr. 5/8" x 1" choke. No water cushion. Opened w/strong blow. Recovered 3950' gas, 180' free oil (gty. 34.2 @ 60°) 1940' salty sulphur water. SFP 0. IBHFP 315#, FBHFP 905#. 2 hr. FBH SIP 2240#. HH 2680 in, HH 2660 out. BHT 118° F. 30 Min. IBHSIP 2380. Water 50,000 ppm cl.
- 6/4/62 DST #2 Lower Yeso 6352-6402. Tool open 45 mins. 5/8" x 1" choke. No water cushion. Fair blow to strong blow in 10 mins. Gas to surface 35 mins. Rec. 280' free oil (gty. 34.8 @ 60°), 330' drlg. water. SFP 0. IBHFP 37#, FBHFP 180#. 1 hr. 15 min. FBHSIP 240#. HH 2769 in and out. BHT 112°. Water 10,000 ppm.
- 6/5/62 DST #3, Lower Yeso 6402-6452. Tool open 1 hr. 5/8" x 1" choke. No water cushion. Open w/fair blow, increased to strong blow, gas to surface in 35 mins. Rec. 375' oil, 443' of gas cut drlg. fluid. SFP 0, IBHFP 223#, FBHFP 280, 2 hr. FBHSIP 2351#. HH 2800 in & out. BHT 130°, 30 min. IBHSIP 2476#.
- 6/5/62 DST #4, Lower Yeso 6463-6513. Tool open 1 hr. 5/8" x 1" choke. No water cushion. Open w/weak blow, increased to strong blow. Rec. 3900' gas, 156' free oil 150' gas cut drlg. fluid. SFP 0, IBHFP 105#, FBHFP 125#, 2 hr. FBHSIP 1010#. HH 2700 in and 2705# out. BHT 124°. 30 Min. IBHSIP 700#.
- 6/6/62 DST #5, Lower Yeso 6573-6610. Tool open 1 hr. 5/8" x 1" choke. No water cushion. Open w/weak blow, increased to medium in 15 mins. & strong in 35 mins. Rec. 2170' gas, 60' oil, 186' drlg. fluid. SFP 0, IBHFP 20#, FBHFP 59#, 2 hr. FBHSIP 2592#, HH 2842 in and 2803 out. BHT 112°, 30 min. IBHSIP 2500#. Water 8000 ppm chloride.
- 6/7/62 DST #6, Lower Yeso 6615-6708, tool open 1 hr. 5/8" x 1" choke. No water cushion. Weak blow increased to med. blow. Rec. 2510' gas, 30' oil, 530' drlg. fluid. SFP - 0, IBHFP 135#, FBHFP 211#, 2 hr. FBHSIP 2529#, HH 2883 in and 2821 out. BHT 144° 1 hr. IBHSIP 2575#. Oil gty. 33.6°, water 9000 ppm chloride.
- 6/8/62 DST #7, Lower Yeso 6704-6746, tool open 1 hr. 5/8" x 1" choke. No water cushion. Strong blow decreasing to weak blow. Rec. 1400' gas, 15' oil (gty. 32.2), 60' drlg. fluid. SFP - 0, IBHFP 29#, FBHFP 29#, 2 hr. FBHSIP 1653#, HH 2885 in and out. BHT 143°, water 7000 ppm chloride.

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- 6/10/62 DST #8, Lower Yeso 6796-6896. Tool open 1 hr. 5/8" x 1" choke. No water cushion. Weak blow, died in 35 mins. Rec. 248' drlg. fluid. SFP - 0#. IBHFP - 105#, FBHFP 125#. 2 Hrs. 18 min. FBHSIP - 170#. HH 2950 in and out. BHT 130°.
- 6/13/62 DST #9, Lower Yeso 7433-7533 tool open 32 mins. 5/8" x 1" choke. No water cushion. Opened w/weak blow, died. Rec. 30' drlg. fluid. SFP - 0#. IBHFP 33# FBHFP - 33#. 1 Hr. BHSIP 3163#. HH 3269 in & 3243 out. BHT 121°. 30 Min. BHSIP 2325#.
- 6/17/62 DST #10, Lower Yeso 7854-7908 tool open 35 mins. 5/8" x 1" choke. No water cushion. Weak blow, died immediately. Rec. 100' gas, 5' free oil (gty. 34.0), 25' drlg. fluid, SFP - 0#, IBHFP - 60#, FBHFP - 60#. 1 Hr., BHSIP 151#, HH 3473 in & 3411 out. BHT - 122°. IBHSIP 141#. Water - 1000 ppm chloride.
- 6/20/62 DST #11, Abo 8350-8450 tool open 30 mins. 5/8" x 1" choke. No water cushion. Open w/weak blow, died. Rec. 40' drlg. water, SFP - 0#. IBHFP - 93#, FBHFP 93#. HH 3690 in and 3635 out. 60 Min BHSIP 93#.
- 6/27/62 DST #12, Wolfcamp 9074-9129. Tool open 1 hr. 5/8" x 1" choke. No water cushion. Medium blow, increased to good blow. Gas to surface in 12 mins. Rec. 270' oil (gty. 36.7) 90' mud cut oil, 240' drlg. mud. SFP 1#, IBHFP 105#, FBHFP 145#. 2 Hr. BHSIP 3205#. HH 4120# in and out. BHT 141°.
- 7/1/62 DST #13 Wolfcamp 9536-9636. Tool open 30 mins. 5/8" x 1" choke. No water cushion. Weak blow increased to good blow. Rec. 240' oil & gas cut drlg. mud. SFP - 0. IBHFP - 46#. FBHFP - 124#. 1 Hr. BHSIP 3624#. HH 4395 in and out. BHT 135°.
- 7/4/62 DST #14, Wolfcamp 9800-9895. Tool open 1 hr. 5/8" x 1" choke. No water cushion. Weak blow increased to fair blow in 30 mins. SFP - 0#. Rec. 30' oil & gas cut drlg. mud. IBHFP - 90#. FBHFP - 90#. 2 Hr. BHSIP 421#. HH 4495 in and 4207 out. BHT 190°.
- 7/20/62 DST #15, 11,118-11,159 packers failed.
- 7/30/62 DST #16, 12,030-12,060 - packers failed.
- 7/31/62 DST #17, Devonian 11,830-12,060. Tool open 1 hr. 5/8" x 1" choke. 2000' Water cushion. Open w/strong blow, decreased to good blow. Gas to surface 2 hr. 15 min. Rec. 2000' water cushion, 1320' heavy gas & dist. cut drlg. fluid. No water. SFP - 0. IBHFP - 1115#. FBHFP 1410#. 2½ Hr. BHSIP 4735#. HH 5610 in and out. BHT - 172°.
- 8/3/62 DST #18, Devonian 12,065-12,096. Tool open 2 hrs. 5/8" x 1" choke. 2000' Water cushion. Open w/strong blow. Gas to surface in 45 mins. Max. rate 274 MCF/D. Rec. 2000' water cushion, 1472' free oil (gty. 46.8) 180' oil cut drlg. mud. SFP 5#. IBHFP 1207#, FBHFP 1302#. 2 Hr. 33 min. BHSIP 4860#. HH 5610 in and 5597 out. BHT 156°.
- 8/5/62 DST #19, Devonian 12,099-12,131. Tool open 3-3/4 hrs. 5/8" x 1" choke. 2000' Water cushion. Opened w/strong blow. Water cushion to surface in 13 mins. Gas to surface 30 mins. Mud to surface 1 hr. Oil to surface 1 hr. 38 mins. Flowed 9 BNO & no wtr. in 1 hr. 8/64" choke. SFP 1700#, GOR 2548. Gty. 49.4 @ 60°. IBHFP 3251#, FBHFP 4245# 2 hr. 20 min. BHSIP 4461# BHT 220°.

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- 8/7/62 DST #20, Devonian 12,141-12,166. Tool open 1 hr. 5/8" x 1" choke. 2000' Water cushion. Open w/good blow. Gas to surface 1 hr. Flow gas 1 hr. TSTM. Rec. 4300' oil & gas cut water cushion, 180' heavy oil & gas cut drlg. mud, 2420' salt water. SFP - 0#. BHFP 1215-2150# 2 hr. BHSIP 4830#. HH 5715 in and out. BHT 170°. Water 18,500 ppm chloride.
- 8/12/62 DST #21, Devonian 12,185-12,330. Tool open 1 hr. 5/8" x 1" choke. 2000' Water cushion. Open w/fair blow, increase to good blow. Rec. 2000' water cushion, 840' slight gas cut drlg. mud, 5200' salt water. SFP - 0#. IBHFP 2012#, FBHFP 3596#, 2 hr. BHSIP 4191#. HH 6019 in and 5965 out. BHT 180°.
- 8/22/62 DST #22, Simpson 13,568-13,605 - packers failed.
- 9/9/62 DST #23, McKee perfs 13,698-13,750. Tool open 30 min. 5/8" x 1" choke. 2000' Water cushion. Open w/no blow. Rec. 2000' water cushion + 30' water, oil & mud emulsion. SFP - 0#. BHFP 1030#. 1 Hr. BHSIP 3025#, HH 6535 in and out.

CORE RECORD

<u>Date</u>	<u>From</u>	<u>To</u>	<u>Formation</u>	<u>Remarks</u>
5/30/62	5874	5894	Basement San Andres	Rec. 20' Dolomite bleeding oil & gas throughout core.
6/1/62	6215	6245	Glorietta	Rec. 30'. 6215-27 (12') tan dolo, good show. 6227-28 dolo & shale, fair show. 6228-6245, tan dolo., good show.
6/4/62	6402	6452	Lower Yeso	Rec. 50', 6402-48 green-brown dolo., good show. 6448-51, green dolo., no show. 6451-52, dolo., good show.
6/7/62	6708	6746	Lower Yeso	Rec. 38' - 6708-25, tan dolo., good show. 6725-29, no show. 6729-31, dolo., good show. 6731-46, dolo. Fair show.
6/26/62	9109	9129	Wolfcamp	Rec. 20'. 9109-11 (2') dolo., good show. 9111-14 (3') no show, 9114-15 (1') dolo., poor show. 9115-29 (14') dolo., no show.
8/1/62	12,060	12,086	Devonian	Rec. 25'. 12,060-65 Dense dolo., poor show. 12,065-71, dolo., fair show. 12,071-73, poor show. 12,073-85, dolo, fair show.
8/4/62	12,096	12,118	Devonian	Rec. 21'. 12,096-12,101 (5') dolo., no show. 12,101-117 (16') dolo., fair show gas & bleeding oil.
8/28/62	13,811	13,816		Rec. 4' granite.