

Socony Mobil Oil Company, Inc.

State Bridges #4, Unit B
Sec. 26, T-17S, R-34E,
Lea County, New Mexico

Ran 2" tbg. to 6473', Guiberson Pkr. @ 6383'. Cardinal Chemical Co. acidized perfs. 6449-6760 w/1500 gal 15% NE Acid + 30 RCN ball sealers. Brk. down pr. 3900#, trt. pr. 3700-3450-4000#. Rate 21 BPM. ISIP 3500# bled to zero. Pulled 2" tbg. & pkr. Cardinal Chemical Co. sand oil frac perfs. 6449-6760 w/20,000 gals refined oil + 40,000# 20-40 sand + 1/40# gal Addomite + 30 RCN ball sealers + 17 ton CO₂. Brk. down pr. 3500#. Trt. pr. 6000-3200-5500#. Rate 18.1 BPM. ISIP 3600#. Shut in 1 hr. CP 2800#. Flow 370 BLO in 7 hrs. CP 250-0. Ran 2" tbg. to 6473 w/pkr. @ 6383'. Swab 66 BLO + 30 BAW in 12 hrs. 200' FIH. Released pkr., reversed sand to 6833'. Pulled tbg. & pkr. Ran 2" tbg. w/ret. BP & full bore pkr. Set BP @ 6780, pkr. @ 6708'. Pressured to 5000#, no break. Set BP @ 6708' pkr. @ 6650', pressured to 5000#, no break. Set BP @ 6650', pkr. @ 6550' pumped 1 BPM @ 4600#. Set BP @ 6550', pkr. @ 6420, pumped 4 BPM @ 2500#. Set BP @ 6420 tested 5" liner w/3000# for 30 mins, tested OK. The Western Co. spotted 500 gal 15% NE Acid 6714-6760'. Pressured to 6000#, no break. Set ret. BP 6708, pkr. 6650'. Acidized perfs. 6449-6708 w/500 gals 15% NE Acid. Break down pr. 3200#, TP 3400-4300#, rate 3 BPM. Swab 26 BLO in 5 hrs. Swab dry 1 hr. Pulled 2" tbg., pkr. & bridge plug. McGullough re-perf. 5" liner 6564, 6577, 6581, 6589, 6592, 6596, 6599, 6602, 6605, 6626, 6638, 6642, 6662, 6666, 6669, 6673, 6680, 6687, 6693, 6714, 6723, 6658, 6760 w/1 Jet shot/ft. Ran 2" tbg. to 6770', full bore pkr. @ 6708' The Western Co. acidized perfs. 6564-6760 w/500 gal 15% acid. Brk. down pr. 2400#, rate 3 BPM, reversed acid water, set pkr. @ 6550'. Swab 24 BLO in 3 hrs., swab dry 1 hr. Pulled 2" tbg. & pkr. Halliburton sand oil frac Paddock perfs. 6564-6760 w/16,000 gal refined oil + 32,000# 20-40 sand + 1/20# gal Addomite + 1000 gal 15% NE Acid + 33 RCN ball sealers down 5" csg. Brk. down pr. 3600#, trt. pr. 5400-5650, rate 26.4 BPM. ISIP 3500#, 5 min SIP 3400#. SI 2 hrs., Csg. Fr. 2500#. Flow 294 BLO + 8 BAW in 13 hrs. Well died. Ran 2" tbg. to 6710 w/Guib. pkr. @ 6390'. Swab 212 BLO + 16 BAW + 149 BSW in 42 hrs. Water analysis Cl 22400 ppm, PH-5, Sp. Grav. 1.130 @ 60°, solids 192,400 ppm. Set ret. BP @ 6710, tbg. @ 6683', Guib. pkr. @ 6552'. Swab 114 BLO + 102 BSW in 30 hrs. Moved ret. BP to 6652', tbg. 6451 pkr. 6420'. Swab 30 BLO + 18 BSW in 12 hrs. Moved ret. BP to 6470, tbg. to 6450, pkr. 6420'. Swab 7 BLO + 2 BSW in 5 hrs. Swab dry. Unseated pkr. Pulled pkr. & BP. Redressed both. Reran ret. BP & set @ 6790, Pkr. @ 6552', Swab 10 BLO + 72 BSW in 14 hrs. 300' FIH, no gas. Moved pkr. to 6701', swab 8 BSW in 3 hrs. Set ret. BP @ 6650', pkr. @ 6552'. Swab 17 BSW in 3 hrs. Pulled tbg., pkr. & BP. Ran tbg., BP & Baker full bore cementer. Set BP @ 6780', pkr. @ 6710'. Swab 28 BSW in 3 hrs. Set BP @ 6710', pkr. 6650'. Swab 8 BSW in 3 hrs. Set BP @ 6650, pkr. 6550'. Swab 9 BSW in 2 hrs. Set BP @ 6550, pkr. Boone. Swab 40 BLO + 105 BSW in 54 hrs. Pulled tbg., pkr. & bridge plug. Ran Halliburton DM on 2" tbg. to 6411'. Squeezed perfs. 6449-6760 w/200 sx Incon neat cement. Max pr. 2800#. Washed perfs. w/10 bbl. wtr. WOC 8 hrs. Halliburton squeezed perfs. 6449-6760 w/150 sx Incon neat cement. Max pr. 3700#, cleared perfs. w/10 bbl. wtr. Halliburton squeezed perfs. 6449-6760 w/150 sx Incon neat cement. Max pr. 5500#. Reversed 15 sx cement. Pulled 2" tbg. Ran 4 1/4" bit + 3-3" DC on 2" tbg. Drilled retainer @ 6411' & cement 6413-6760', ran bit to 6833'.

(Continued on Page #3)

Socony Mobil Oil Company, Inc.

State Bridges #4, Unit B
Sec. 26, T-17S, R-34E
Lea County, New Mexico

Pulled bit and reran w/csg. scraper to 6833'. Circ. water to oil.
 Pulled tbg., bit. McCullough perf. 5" liner 6449, 6541, 6570, 6662,
 6666, 6668, 6758 w/1 Jet shot/ft. Ran 2" tbg. w/Baker ret. BP & pkr.
 to 6770'. Dowell spotted 500 gal. acid over perf. Set BP @ 6765, pkr.
 @ 6655'. Brk. down pr. 4400#. Set BP @ 6555', pkr. @ 6530', brk. down
 pr. 5000#, communication above pkr. Set BP @ 6455, pkr. @ 6440', brk.
 down pr. 5000#. Pulled tbg., pkr. & BP. Dowell sand oil free w/20,000
 gals refined oil + 30,000# sand + 1/40#/gal Addomite + 20 tons CO₂.
 Brk. down pr. 4600#. Treating pr. 4600-4950. Rate 27.5 BPM. ISIP
 3500#. 1 hr. SIP 1300#. Flowed 295 PLO in 10 1/2 hrs. Ran 2" tbg. to
 6502, pkr. @ 6410'. Swab 84 BLO + 12 BAW + 60 PSW in 52 hrs. Pulled
 2" tbg. & pkr. Ran retrievable bridge plug to 6700, pkr. @ 6650'.
 Dowell acidized perfs. 6662-6668 w/5000 gals acid Kerosene emulsion
 (85% acid + 15% Kerosene). Trt. pr. 4400-5000#. Rate 4.6 BPM. Had
 communications after 15 bbls. acid in formation. Moved pkr. to 6373'.
 Swab 30 BLO + 88 BAW in 22 hrs. Pulled tbg., pkr. & bridge plug.
 Installed pumping head. Ran 2 3/8" tbg. to 6698', tbg. perf. 6664-6667',
 seating nipple @ 6663'. Released DAAS pulling unit. 10 AM 12/4/62. Ran
 pump & rods. Pumped 159 PLO + 32 BAW + 846 PSW in 492 hrs. Well
 temporarily abandoned on 12/28/62. Held for further workover or SWDW.