

DST #2 4536-4630' Op 30" SI 60" Op 60" SI 120". PF had fair to strong blow in 1½ min. NGTS. FF had weak to strong blow in 20", in 10" strong blow, remainder of test strong blow back to weak blow. Rec. 420' sli. gas cut drilling mud. BHS 50#. Rec. 1.15 cu. ft. gas, 700 cc drilling mud. HP 2249-2249 PFP 120-147 (plugging) SIP 1105-1038 (both not stabilized) FFP 160-187 (plugging). BHT 116. Charts indicate formation damage.

Tripped in hole with bit and drill pipe. Broke circ. at 1000, 2000, 3000 & 4000. Conditioned mud 1 hr. then started drilling.

Corrected TD 4781' WCC. Formation, lime. Made 5', no slope. Mud Wt. 9, Vis. 45, Wl. 4.2, LCM 3#. Bit #6, 7 7/8 J-33 Rerun in at 4733', out at 4781'. Made 48' in 7 hrs. Daily Mud Cost \$0.00, Cum. Mud Cost \$4194.14.

TD 7 7/8" hole at 8 a.m. 4-2-74. Circ. and conditioned hole 3 hrs. Laid down drill pipe and rigged up casing crew. Ran 4½ Halco shoe (.75). Ran 44 jts. 4½" OD 8 rd. 10.5# J-55 ST&C Range 2 Cond. A casing (1430.42'), 4½ Halco DV tool (2.65), 104 jts. 4½" OD 8 rd. J-55 ST&C Range 2 Condition A csg. (3366.67'). Shoe landed at 4780', insert float at 4751.03', top of DV tool at 3347. (Total casing run: 148 jts., 4797.09'). Circ. 2½ hrs. RU Halco and cemented 1st stage with 140 sx Pozmix A, 10% salt, 3/4 of 1% CFR-2, 12½# Gilsonite/sack. Dropped DV opening tool, circ. 15" and cemented 2nd stage with 160 sx Pozmix A, 10% Salt, 3/4 of 1% CFR-2, 12½# Gilsonite/sack (total of 300 sx). Displaced 1st stage with 22 BW, 56 BM, 2nd stage with 55 BW. PDT 12 a.m. 4-3-74. Set 4½" slips, cut off casing. RR 12:15 a.m. 4-3-74.

MICU.

Moved in and rigged up completion unit. Unloaded and tied tubing, welded on bell nipple. Trying to pick up tubing and drill out DV tool.

Picked up 3 7/8" bit and casing scraper, 2 drill collars and tubing. Drilled out 10' cmt. & DV tool 3337-3348'. Press. csg. & DV tool to 1500#, held okay. Released press. Finished picking up tubing and tagged bottom at 4735'. Spotted 12 bbls., 4% NACL on bottom. Tripped out of hole with tubing and laid down drill collars, scraper and bit. RU Schlum. and ran GRC and CB logs 4726-4150 and 3410-2650. Shut-down overnight. Presently swabbing down casing and prep. to perf. Keyes.

4-3-74

4-22-74

4-23-74

4-24-74