

- 9-06-80 Day 12. 4907'. Circ samples. Sd & lm. MW 8.5, Vis 28, pH 9.5, Cl 5000, Solids 1%. Bit 4, 7 7/8", Reed, HPSM, In 4550'. WOB 45,000 @ 50 rpm, PP 1400 psi @ 50 spm. Drlg 11½ hrs, Trip 2 hrs, Circ samples ½ hr, wash to btm ¾ hrs, WO BOP repair 7 hrs, Yellow jacket 2½ hrs. WO & repaired BOP, finished testing BOP, ran bit & drilled ahead. Had 40' fill after test, ½ gal FR-24, Drlg break 4880-92'. Cut 6" in 5 mins @ ½" to 1"/ft. picked up 130 units gas & background level was 30-40 units. Progress 357'. Cum Cost \$106,826.33
- 9-07-80 Day 13. 5320'. Drlg. Lm. MW 8.4, Vis 28, pH 8.0, Cl 4000, Solids .5% Slope tests 5046' @ 2½°, 5108' @ 2°. Bit 4, 7 7/8", Reed, HPSM, In 4550'. WOB 40,000# @ 50 rpm, PP 1400 psi @ 60 spm. Drlg 18½ hr, slope test 1 hr, Pack pump 3½ hrs, circ 1 hr. Talley 20 units background gas, ½ gal FR-24. Progress 413'. Cum Cost \$139,244.75
- 9-08-80 Day 14. 5760'. Drlg. Lm, Sh, & Dolo., MW 8.5, Vis 28, pH 9.0, Cl 4000, Solids 1%, Slope test 5375' @ 2½°, 5667' @ 3 3/4°. Bit 4, 7 7/8", Reed, HPSM, In 4550'. WOB 35-40,000# @ 50 rpm, PP 1400 psi @ 60 spm, Drlg 22½ hrs, Slope test 1 hr, Service & BOP ½ hr. 30 units background gas, ½ gal FR-24, 9 sx caustic, 22 sx fresh wtr gel & 25 sx paper, drlg 3-4"/ft w/35,000# on bit. Progress 440'. Cum Cost \$144,329.75
- 9-09-80 Day 15. 5921'. DST #2. Lm & Dolo. MW 8.5, Vis 28, pH 9.5, Cl 11,000, solids 4/10%. Slope test 5728' @ 4°, 5788' @ 3 3/4°. Bit 4, 7 7/8", Reed, HPSM, 4550' out 5921'. WOB 30-35,000# @ 54 rpm. PP 1400 psi @ 60 spm. Drlg 9½ hrs, Slope test ¾ hrs, Trip 5½ hrs, Service BOP ¼ hr, circ 3½ hrs, pickup tools & testing 4½ hrs. Installed, Totco pit levelers, Swaco choke & M&M mud separator & hooking up, set brine tank & filled. SLM on trip no corr. was 5' long to board, drlg breaks w/shows 5874-5878' (4') 1½" 2"/ft gas 130 units, break 5896-5921' 1½" 2"/ft gas 130 units. Circ & condit hole, swept hole w/50 bbls fresh wtr gel pill @ 33 secs vis & spotted 50 bbls same mud on btm. Ran DST #2 5852-5858 to 5921' 63 interval. No fill up, opened f/30" preflow valve on bubble line was plugged after 5" cleaned & had 30 second blow in bucket & died. Closed in f/60" initial closed in & opened for 60" second flow & blowed 1 min & 45 seconds & died. Closed in f/120" final close in, tool was on final @ report time. To be concluded @ 7:05 CMDST Progress 161'. Cum Cost \$151,217.98
- 9-10-80 Day 16. 6043'. Drlg. 90% dolo & 10% sd & sh. MW 8.7, Vis 28, pH 10.0, Cl 20,000, Solids 1%, Slope test 5948 @ 4°. Bit 5, 7 7/8", Smith, F-5 In 5921'. WOB 30,000# @ 63 rpm, PP 1600 psi @ 59 spm. Drlg 11½ hrs, Slope test ½ hr, trip 4½ hrs. DST 3 ¾ hrs. Service rig ¼ hr, Chg B. H. assembly & WO sub 3½ hrs. Removed BH reamer & moved stabilizer to 90' above bit. 2-4 AM this morning bit nearly plugged, is ok now. Have 10 units background gas & drilling 4½"-5"/ft. DST #2 finished final close in & POH DST #2: 5918'

	Bottom Chart	Top Chart
1. Hyd	2615	2576
Pre flow 1	72	47
" " F	108	64
ICIP	394	349
2nd Flow 1	108	64
" " F	143	95
FCIP	752	727
F Hyd	2615	2576
Rec 250' formation wtr, BHT 142°F. Cost \$ 158,724.40		