

## FEDERAL 4 COMM #1

- 11/24 11,600 TD, WOC 5½ csg, ran 354 jts 11,600' 5½ OD 17.0# N80 & 17.0# K55csg w/ DV Tool @ 7998, Howco cmtd 1st stage w/ 500x T1LW containing ¼# Flocele/x + 400x Class E Neat cmt, PD @ 11:15 p.m. 11/23/73, 55 min opening DV Tool pump 20 bbls mud w/o circ, pumped 20 bbls w/ 20% circ, WOC 5 hrs, pumped 30 bbls mud w/ no circ, prep to cmt 2nd stage.
- 11/26 11,600 TD, WOC 5½ csg, Howco cmtd 2nd stage thru DVTool @ 7998 w/ 1000x T1LW cmt + 700x T1LW containing ¼# Flocele/x + 100x Class E Neat cmt, PD @ 10:30 a.m. 11/24/73, no circ while cmt set slips on csg, RD & Rel Noble Drlg Corp rig @ 11:59 pm 11/24/73, prep to MOR, WOC.
- FEDERAL 4 COMM #1, 11,600 TD.
- 11/27 MOR.
- FEDERAL 4 COMM #1, 11,600 TD.
- 11/28 MOR.
- FEDERAL 4 COMM #1, 11,600 TD.
- 11/29 MOR.
- FEDERAL 4 COM #1, 11,600 TD
- 11/30 MO rig, prep to MI unit tomorrow.
- FEDERAL 4 COMM #1, 11, 600 TD.
- 12/1 Prep to RU unit.
- 12/3 MIRU X-Pert Well Serv unit, inst'l BOP, ran 4-3/4 bit, 5½ csg scraper on 10 - 3½ DC's & 2-3/8 tbg to 5000, SDFN & Sunday.
- FEDERAL 4 COMM #1, 11,600 TD.
- 12/4 Ran bit to 8358, tag cmt, drill cmt 8358-8383, cmt from 8469-8680 & plug @ 8680-8688, circ clean, SDFN.
- FEDERAL 4 COMM #1, 11,600 TD.
- 12/5 Test csg to 1000#/ok, ran bit to 11,552, displ hole w/ 10.2# CaCl wtr, POH w/ tbg, SDFN.
- FEDERAL 4 COMM #1, 11,600 TD.
- 12/6 LD DC's, Schl ran GR-Collar-Corr log from 9200-11,525, then perf 5½ csg in the Morrow @ 11,272; 273; 274; 275; 276; 277; 278; 285; 286; 287; 288; 289; & 11,290 w/ 2 JSPF, total of 26 holes, SDFN.
- FEDERAL 4 COMM #1, 11,600 TD.
- 12/7 Ran 2-3/8 tbg OE to 11,268, RTTS pkr set @ 11,200, S 40 BLW/4½ hrs, 5500' FIH, stranded sd line, SI 1/2 hr, open well, F 10 BLW/1 hr, SI 13 hrs TP 3650, cont to test.
- FEDERAL 4 COMM #1, 11,600 TD
- 12/8 F small amount load wtr in 10½ hrs on 48/64 ck, TP 3650-100-150#, SI 13 hrs, TP 3700#.
- 12/10 F small amount LW/ 3 hrs on 48/64 ck, TP 3700# to 150#, SI 45 hrs, TP 3700#.