

POGO PRODUCING COMPANY FEDERAL 23 WELL NO. 1
660' FSL AND 660' FEL OF SECTION 23, T-22-S, R-31-E
EDDY COUNTY, NEW MEXICO

- 7/19/90: NU BOP's. GIH w/4-3/4" bit, DC & 2-7/8" tbg to cmt @ 6190, drill cmt & stage tool 6190-6203. Test collar 2000 psi (ok). FIH to cmt @ 8360'.
- 7/20/90: Circ hole w/9.8# per gal prod. s.w., POOH w/tbg, run CBL 8355-6200', TOC 3750'.
- 7/21/90: Perf 5-1/2" csg (Lower Brushy Canyon) w/4" csg gun as follows: 8090-8129', 8142-8157', 8161-8198' (185 holes) 90° phase, .44" holes, GIH w/5-1/2" pkr testing tbg 8000 psi
- 7/22/90: Spot 300 gals 7-1/2% HCL 8250-7950', set pkr 7949', NU tree, acidize perfs w/2000 gals 7-1/2% HCL & additives. AIR 5.3 BPM @ 1640#, Max TP 1780, Min 1570, ISIP 600, 15 min 520, total load 143. Blow and swab 85, 58 BLWTR.
- 7/23/90: Sand frac perfs 102,000# 16/30 Super DC sd w/38,890 gals YF 130 gel 2-8#/g concentrations, 96,000# sd out perfs, Max Press 4554, Final 4362, Avg 2500#, ISIP 1264, 15 Min 114, 908 BLW, open well on 8/64" choke, press drop to 0, tbg plugged w/sd
- 7/24/90: ND tree, NU BOP's. POOH, GIH w/bailer, top of sd 8130', work 8140'. POOH.
- 7/25/90: GIH w/bailer, sd top @ 8095', work to 8140', bailer failed, POOH, GIH w/bit & DC to 7600'.
- 7/26/90: FIH w/bit, wash and ream sd 8110 to 8360', circ clean, POOH, short 1108 BLW.
- 7/27/90: Ran after frac log, GIH w/TAC, ND BOP, NU well head flg, swab 93 BLW, short 1015 BLW.
- 7/28/90: Swab 205 BLW, short 810, trace oil
- 7/29/90: Swab 206 BLW, short 604 BLW
- 7/30/90: SI
- 7/31/90: Run 2½" x 1½" x 26' rod pump w/rods
- 8/01/90: Install Lufkin 640-305-120 pumping unit
- 8/02/90: Start pumping unit, pump failed
- 8/03/90: POOH w/DH pump
- 8/04/90: Circ well @ 8350', reset Anchor, run DH pump, short 604 BLW, pumped 18 hrs - rec 9 B0, 214 BLW, short 390 BLW
- 8/05/90
- 8/13/90: Testing well
- 8/14/90
- 8/18/90: Install tank battery
- 8/19/90: Production turned into tank battery
- 8/20/90
- 8/25/90: Testing well
- 8/26/90: State Potential - 24 hr test 55 B0. 138 RW 66 MCF