

- 8/13/96 RU WSI, unseat pump and lay down 2 7/8" rods, hot on dwn tbg w/45 bbl lease oil w/5 gals paraffin chemical. TOH w/2',4',4' & 8' X 7/8" subs, 78 7/8" rods, 174 3/4" rods, 6-1 1/2" K-bars & pump. ND wellhead & NU BOP, unset TAC & TOH w/214 jts 2 3/8", 2 3/8" x 4' perf sub & 1 jt 2 3/8" MA. Close well in.
- 8/14/96 RU Wedge Wireline truck, ran GR/CCL log 4850' to 4550'. Got on depth, perf following w/1 JSPF, 0.45 dwn, w/4" csg gun, 69 holes. 4803-20', 4760-66', 4782-30', 4706-14', 4604-60', and 4600-08'. RD Wireline truck. Ran Watson 5 1/2" RBP + Arrow set 2 pkr on 2 3/8". Tested 214 jts. 6,492'. (no loss) while going in hole. Pulled 32 stands tbg to get RBP & pkr above perfs. Close well in & SD.
- 8/15/96 TIH w/pkr & RBP. Set PBP @ 5010'. TOH & pick up cup type RBP to acidize with. Set RBP @ 4835' and pkr @ 4774'. Tested lines to 5000 psi, loaded back side and pressured to 500 psi. Spotted acid and closed by-pass. Formation broke @ 2150 psi & had communications. Spotted 5 bbl acid across perfs, set pkr @ 4498'. Loaded & pressured back side to 500 psi. Acidized perfs 4803-20', 2750-60', 4722-30', 4706-14', 4654-60', 4600-08; with 5500 gals of 7 1/2% Pentol 100 acid containing 4950 gal 7 1/2% HCL acid, 550 gal Pentol, 55 gal Glacial acetic acid, 3 gal/1000 gal iron reducer, 1 gal/1000 gal iron reducer catalyst, 11 gal low temperature inhibitor. Used 138 ball sealers, had good action, balled off two times, max rate 8 bbl/min, avg. Rate 7.8 BPM. Max pressure 4460 pis, avg pressure 3380 psi. Instant SI 1140 psi, 5 min SI 1030 psi, 10 min SI 1010 psi, 15 min SI 980 psi. Left well shut in 1 hr. Pressure TSTM, swabbed 31 bbl load wtr and balls would not let swab below 3600'. 164 bbl load to recover. Recovered 31 bbl. 163 to rec. RD swab, run in hole & get RBP @ 4835'. TOH w/tbg & lay dwn RBP. Close well in.
- 8/16/96 TIH & get last RBP, TOH, ran 1 jt 2 3/8" ball plugged MA, 2 3/8" x 4' perf sub, SN, 62 jts 2 3/8", TAC, 152 jts. 2 3/8". TAC @ 4545'. ND BOP & NU well head. Ran 20' - 1.25' RHAC 20-4-1 pmp, 6-1 1/2' K bars, 174 3/4" rods, 78 7/8" rods, 2',4',8' 7/8" pony rods. HWO, loaded tbg w/9 bbl lease wtr, held 500 psi & had good action. Pumping @ 2:00 pm MDT. RD WSU.