

Federal 23 Well No. 1  
660' FSL & 660' FEL of Section 23, T-22-S, R-31-E  
Eddy County, New Mexico

Attached to Sundry Notices and Reports on Wells for the captioned well.

- 2-27-91: MIRU Pride Rig 952 - Retrieve rods
- 2-28-91: Finish retrieving 86 rod string - POOH w/tbg - M/U Guib RBP and test pkr - GIH
- 3-01-91: Set RBP @ 8012' - attempt to test same - test pkr leaked - POOH - change out test pkr - GIH
- 3-02-91: Finish in hole w/test pkr to 7940' - test RBP to 3500 PSI (ok) - Dump 2 sks sd on RBP - POOH - SDFWE
- 3-05-91: Finish POOH w/test pkr - R/U JSI W/L - perforate 5½" csg 7046-7065' 2 JSPF 120 deg phase - total 41 holes - GIH w/S.N. + 5 jts 2-7/8" 6.5 tbg + Guiberson TAc + 217 jts 2-7/8" tbg - EOT 6947 - N/D BOP's N/U tree
- 3-06-91: D/S Acidize perfs (7046-65') w/1500 gals 7½% HCl @ 3.7 BPM 925 PSI - start to frac w/Borate Gel - abort job during pad due to excessive tbg pressure - change out frac water
- 3-07-91: D/S frac Brushy Canyon perfs 7046-65' w/5000 gal 20# linear Prepad followed by 7500 gals Borate XL pad and propped w/52,000 lbs 20/40 Ottawa sd 1-10 PPg in 7500 gals Borate XL - last 15,000 lbs sd CRC - Flow back for force closure
- 3-08-91: GIH w/2½" x 1½" x 26' pump - stock in sand bridge @ 4800' - lease shear tool - POOH w/rods - N/U BOP's - POOH w/tbg - retrieve rods GIH w/S.N. and TAc
- 3-09-91: Finish in hole w/tbg (EOT @ 7100') - GIH w/2½" x 1½" x 26' pump - hung rod string - would not pump
- 3-10-91: Change out pump - pump 198 BLW in 18 hrs
- 3-11-91: 24 hrs pump 217 BLW - short 610 BLW
- 3-12-91: 24 hrs pump 204 BLW - 4 MCF - short 406 BLW
- 3-13-91: 24 hrs pump 182 BLW - 4 MCF - short 224 BLW
- 3-14-91: 24 hrs pump 171 BLW - 32 MCF - 74 BO - short 53 BLW
- 3-15-91: 24 hrs pump 53 BLW - 63 BFW - 73 BO - 25 MCF
- 3-16-91: State potential: 24 hrs pump 110 BO - 124 BW - 41 MCF - 373 GOR Oil GR 38 deg @ 60 deg F