

Federal 31 Well No. 1
2310' FSL & 660' FEL of Section 31, T-21-S, R-32-E,
Lea County, New Mexico

Attached to Sundry Notices And Reports On Wells for the captioned well

- 3-12-91: MIRU Pride 952 CU - N/U 10K BOP's
- 3-13-91: GIH w/4-1/8" bit to cement @ 14,730' (PBDT) - circ hole w/10#/g inhibited brine wtr
- 3-14-91: POOH w/2-3/8" tbg - run CBL - TOC 13,360' - note liner top pkr @ 12,261' (engaged & holding)
- 3-15-91: Set 5" permanent pkr @ 13,849' - tubing conveyed perf gun (3-3/8") positioned to fire 13,971-79' - start GIH testing tbg to 10K above slips
- 3-16-91: Finish GIH testing tbg - N/D BOP's - N/U tree - test tree & wrap around - displace tbg to 12,000' w/N₂ - bolt dn tree - retest pkr (ok) - drop firing bar - perforate for production 13,971-79' 4 spF 90 deg phase - flow back N₂ - rathole wtr - producing gas & condensate SI well
- 3-17-91: 14 hr SITP 6000 PSI - Release guns - EOT 13,898' - Release Pride 952 12:00 noon 3-16-91
- 3-18-91: R/U Bennett & Cathey Test Unit - 4 pt well as follows:
6/64" ck (4 hrs) 5572 PSI 697 MCFPD No fluid
7/64" ck (4 hrs) 5232 PSI 1393 MCFPD 4 BC, 2 BW
8/64" ck (4 hrs) 4758 PSI 1814 MCFPD 5 BC, 0 BW
11/64" ck (4 hrs) 4093 PSI 2319 MCFPD 4 BC, 0 BW
Cond gr = 56 deg - CAOF 4648 - BTU 1052
- 3-19-91: Shut-in well @ 3:55 P.M. MST (3-18-91) for BHP - WO Production equip.