

**WILLIAMSON FEDERAL #1
UNIT E 660' FWL & 1980' FNL
SEC 9, TWP 20S, RNG 29E
EDDY COUNTY, N. MEXICO
AFE # 451993
PURPOSE - P&A**

TD: 11,760 PBSD: 10,570
GL: 3,279 KB: 3,301

Surface Casing: 13 3/8" 48#/ft, H-40 R-3 ST&C, Cmt w/675 SX, did circulate. Set @ 683'.

Intermediate Casing: 8 5/8" 32# & 24#/ft, ST&C, Cmt w/2,555 SX, did circulate. Set @ 3,210'.

Production Casing: 4 1/2" 11.6# & 13.5# N-80, Cmt w/650, SX, TOC 8,710' by CBL. Set @ 11,735'.

Tubing: 2 3/8" N-80 on Guiberson uni-6 pkr @ 10,477' tubing parted @ 4,358'. Stuck @ approximately 5,000'.

Perfs open: 10,526-10,548'.

Casing Condition: 4 1/2 parted @ 1,913'.

Safety Considerations: BOP to be used. Run sufficient kill string during SI periods. Max potential surface pressure. (Assuming gas gradient to surface 3,000 psi).

1. Test anchors if needed. MIRU.
2. Install BOP. POOH w/kill string.
3. POOH w/parted 4 1/2" casing.
4. TIH w/skirted mill, drill collars on 2 3/8" tbg. Dress top of 4 1/2" fish. POOH w/work string.
5. TIH w/ 2 3/8" overshot. Screw on to 2 3/8" fish @ 4,358'.
6. Try to pump thru 2 3/8" tbg. If can pump into open perfs proceed to step #7. If can't achieve rate rig up coiled tbg and clean out to PBSD @ 10,570. Circulate hole clean. POOH w/coiled tbg and RD Otis.
7. RU cmt co. pump 50 SX, Cmt into perfs @ 10,526-10,548 followed by 52 bbls flush.
8. Cut 2 3/8" tbg @ free point (believed to be stuck @ 4,500' to 5,000). POOH w/tbg perf 4 1/2" csg @ 8 5/8" shoe 3,210' w/4JSPF. Set Cmt plug 3,260-3,160'. Set Cmt plug 50' above and below 4 1/2" csg stub.
9. Pull tbg to 730'. Set balanced plug 730-630'. Set surface plug 50' to surface.