

**Plug and Abandon  
Tonto Federal No. 1  
Section 10-208-33E Lea County, NM**

1. MIRU workover rig with circulating pump and tank.
2. ND pumping tee. NU BOP.
3. Unseat pump and POH with rods and pump. Release TAC and POH with tbg.
4. RUWL. Run and set CIBP at 9250'. Mix and dump 4 sx cement on top of CIBP. RDWL.
- \*\* NOTE : Use the following recipe for mixing all cement plugs :  
- Class C cement with 6.3 gal water per sack, slurry weight 14.8 ppg, yield 1.32 cu ft per sack**
5. RIH with muleshoe and tbg. Circulate hole full with 9 ppg mud (approx 215 bbls casing volume, w/o tbg). POH with tbg.
6. RUWL. Determine freepoint of 5-1/2" casing at approximately 4000'. Cut and pull csg above FP. RDWL.
7. RIH with tbg to 4075'. Spot 30 sx cement plug in the casing from 4075' to 3925' (2-3/8", 4.7#, J55 tbg vol 15.8 bbls, max overdisplacement 0.5 bbl). Pull tbg clear of cmt and reverse circulate tbg clean. POH with tbg.
8. RU sand line. RIH and tag cmt plug at 3925'. RD sand line.
9. RIH with tbg to 600'. Spot 40 sx cement plug in casing from 600' to 450' (tbg vol 2.3 bbls, max overdisplacement 0.5 bbl). Pull tbg clear of cmt and reverse circulate tbg clean. POH with tbg.
10. RU sand line. RIH and tag cmt plug at 450'. RD sand line.
11. RIH with tbg to 50'. Spot approx 14 sx cmt from 50' to surface. POH with tbg. ND BOP.
12. RDMO workover rig.
13. Cut off wellhead and install marker.
14. Restore location.