

**Plug and Abandon
Amoco 19 Federal No. 3-Y
Section 19-228-26E Eddy County, NM**

1. MIRU workover rig with circulating pump and tank.
 2. ND PU. POH with rods and pump. NU BOP.
 3. Release TAC and POH with tbg.
 4. RUWL. Run and set CIBP at 2150'. RDWL.
 5. RIH with muleshoe and tbg to 2140'. Circulate hole full with 9 ppg mud (approx 131 bbls casing volume, w/o tbg). RU cementers. Spot 10 sx cmt plug from BP at 2150' to 2115'. Pull tbg clear of cmt and reverse tbg clean.
- ** 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
6. Pull tbg to 770'. Spot 40 sx cement plug in the casing from 770' to 620' (2-7/8", 6.5#, J55 tbg vol 4.5 bbls, max overdisplacement 0.5 bbl). Pull tbg clear of cmt and reverse circulate tbg clean. POH with tbg.
 7. RU sand line. RIH and tag cmt plug at 620'. RD sand line.
 8. RIH with tbg to 50'. Spot approx 13 sx cmt from 50' to surface. POH with tbg. ND BOP.
 9. RDMO workover rig.
 10. Cut off wellhead and install marker.
 11. Restore location.