

## Apache Canyon 25-03V

Location: 1,060' FNL & 2,058' FWL, Section 25, T34S, R68W, Las Animas, CO  
API: 05-071-07439  
Open Perfs: Raton Coal 672'-1,212', Vermejo Coal – 1,489'- 1,775', CIBP@ 1,465'

### PLUG AND ABANDONMENT PROCEDURE

Note: All cement volumes use 100% excess outside pipe and 50' excess inside. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be Class B or equivalent, mixed at 15.6 ppg with a 1.18 cf/sx yield.

1. Install and test location rig anchors. MIRU pulling unit. Conduct safety meeting for all personnel on location. Record casing, tubing and bradenhead pressures. NU relief line and blow down well. Kill well with water as necessary and at least pump tubing capacity of water down the tubing. TOH and LD rods and rotor. ND wellhead and NU BOP. Function test BOP. TOH with tubing and LD BHA.
2. **Plug #1 (Vermejo Coal, 1,465'-1,365'):** TIH with tubing to 1,465'. Load casing with water. Mix cement and pump 17 sks Class B cement above CIBP @ 1,465' to cover the Vermejo Coal top. TOH w/tbg.
3. **Plug #2 (Casing Shoe, 650' – Surface):** TIH w/5-1/2" CIBP and set at 650'. Set CIBP. PT tbg and csg to 500 psi. Mix and pump 110 sks Class B cement to cover the casing shoe and cement to surface. TOH. Shut well in and WOC.
4. ND BOP and cut off casing below surface casing flange. Install P&A marker with cement to comply with regulations. RD, move off location, cut off anchors and restore location.

#### Tops:

Casing shoe	224'
Vermejo Coal	1,489'