

**Summary of Re-entry and Re-plugging Operations: FEDERAL 1 (05-123-05227)**

1. Survey and locate plugged wellbore. Set a stake and record as-drilled GPS coordinates.
2. Excavate around wellbore to expose the top of the surface casing.
3. Cut existing cap off wellbore. Weld a crossover from 10-3/4" casing to 8-5/8" casing and necessary length of casing to reach ground level. Weld an 8-5/8" slip collar.
4. Install wellhead and BOP.
5. Drill out surface cement plug with 6-1/2" bit. Pressure test surface casing to 250 psi before drilling out surface casing plug. Drill out surface casing plug.
6. Continue drilling or RIH to 6210'. Spot OH plug from 6210'-6110' with Class G cement (30 sks). Tag plug once set.
7. POOH to 5070'. Spot OH plug from 5070'-4970' with Class G cement (30 sks).
8. POOH to 4210'. Spot OH plug from 4210'-4110' with Class G cement (30 sks).
9. POOH to 1558'. Spot OH plug from 1558'-1448' with Class G cement (30 sks).
10. POOH and spot plug from 516' to surface with class G cement (182 sks).
11. Cut off casing 5' below surface and weld on a cap to seal the well.
12. Cover up the well and remediate the disturbed area.