

### **Summary of Re-entry and Re-plugging Operations (Doty Federal 1 05-123-05518)**

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 existing cement plugs with 4-3/4" bit. Pressure test surface casing to 250 psi before drilling out surface casing plug. Continue drilling or RIH to 5750'.
6. Tag existing cement plug from 5750'-5850'.
7. Spot cement plug to 5700' with class G cement (40 sks). Tag plug once set.
8. Spot cement plug from 4690'-4590' with class G cement (40 sks). Tag plug once set.
9. Spot cement plug from 3950'-3850' with class G cement (40 sks). Tag plug once set.
10. Spot cement plug from 1700'-1600' with class G cement (40 sks).
11. Spot plug from 523' to surface with class G cement (231 sks).
12. Cut off casing 5' below surface and weld on a cap to seal the well.
13. Cover up the well and remediate the disturbed area.