

Nelson 1 (05-123-05747)/Re-Enter to Re-Plug Procedure (Intent)

Original Plug Date: 10/7/1959
Producing Formation: NA/Dry Hole
Upper Pierre Aquifer: 270'-1430'
Depest Water Well: 160'
TD: 6989'
Surface Casing: 8 5/8" 24# @ 121' w/ 150sxs
Open Hole: 7 7/8" @ 6989'
Existing Plugs: 224' – 165' (40 sxs), 32' to surface (10 sxs)

Proposed Procedure:

1. Dig out to find wellhead and check pressure.
2. Cut cap off, extend surface pipe to achieve ground level.
3. MIRU WO unit, ND wellhead, NU BOP, tally all pipe to be ran in well.
4. Mill cement, cement btm of surface shoe plug is at 121', according to well abandonment report.
5. Wash run down to Niobrara @ 5976' or depth that well allows.
6. PU tubing to 5926'. RU cementing company. Mix and pump 237 sxs 15.8#/gal CI G cement down tubing (Top of Niobrara @ 5976'). PU tubing above plug and SI well.
 - a. Wait 4 hours and tag plug
7. PU tubing to 3600'. RU cementing company. Mix and pump 237 sxs 15.8#/gal CI G cement down tubing (Courtesy coverage from 3600'-3100'). PU tubing above plug and SI well.
 - a. Wait 4 hours and tag plug
8. PU tubing to 1510'. RU cementing company. Mix and pump 100 sxs 15.8#/gal CI G cement down tubing (Pierre Aquifer coverage from 1510'-1310'). PU tubing above plug and SI well.
 - a. Wait 4 hours and tag plug
9. PU tubing to 390'. RU cementing company. Mix and pump 242 sxs 15.8#/gal CI G cement down tubing. Cement should circulate to surface. LD tubing.
10. RDMO WO unit.
11. Remove extension of surface pipe. Top off if necessary.
12. Weld on cap with ID plate, inscribed with well location, and identity.
13. Backfill, clean location.
14. Re-Enter to Re-Plug complete.