

Battle Mountain 13-5

County: Moffat #081

Location: SWNW 13 12N 89W 6PM - 2555 FNL & 782 FWL

Field: Slater Dome #77551

Lat/Long: 40.99531 /-107.33382

Surface & Mineral Owner: Fee

KB Elev: 6581' GL Elev: 6571'

1. Set/Test anchors.
2. MIRU WOR, Pump, and Tank.
3. Run line from wellhead to tank. Blow Down Well.
4. ND Wellhead, NU BOP.
5. If rods and tbg are still in the hole TOO H.
6. PU Bit for 5.5" 15.5# csg on 2-7/8" tbg and TIH to 650'. TOO H LD Bit.
7. PU Cmt Rtnr on 2-7/8" tbg and TIH.
8. Set Rtnr @ 600', establish circulation into open perforations. Open Surface Casing Valve and attempt to establish circulation to surface.
9. MIRU cement crew.
10. Sting out of cement retainer. Load string, sting into cement retainer.
11. Squeeze the following cement into perforations (647-1098'):
 - 85 ft³ (csg vol=67 ft³ plus 25% excess for squz= 17 ft³) or 75 sx
 - Halliburton Proprietary Product, may change somewhat with cement company:
 - PLUGCEM (TM) SYSTEM Fluid Weight 15.80 lbm/gal, 0.2 % CFR-3 (Dispersant)
 - Slurry Yield: 1.15 ft³/sk, 0.3 % Halad(R)-322 (Low Fluid Loss Control) Total
 - Mixing Fluid: 4.95 Gal/sk, 0.1 % HR-5 (Retarder) Note: Entek water is not usable
 - for cement jobs and town water must be used to ensure compatibility and
 - appropriate cement setup. Do not exceed a squeeze pressure of 2000 psi and a
 - rate of 3 BPM.
12. If circulation is established through 5.5" x 8-5/8" annulus and cement is seen at surface of this annulus close valve at that time to allow perforation squeeze. If no cement is seen at surface assume all cement was squeezed into perforations.
13. Sting out of retainer. Circulate a 60 sx balanced plug to 100'. Slowly trip OOH. Fill hole at 100'. TOO H with remainder of pipe.
14. Wait on cement 24 hours. Cut casing off and fill with sack cement as needed to fill any falling cement.
15. Cut off casing in the cellar so that all strings will be capped by a welded plug. Have welder construct a permanent monument made of a piece of not less than 4" in diameter and not less than 10' in length, of which 4' shall be above the ground level. Weld to the surface casing per COGCC 319 A #5. Please see attached rules 311 and 319 and review thoroughly to ensure all rules and specifications are followed during this event.