

Bondurant Fed. #1
Buffalo Field
Lea County, New Mexico

Cementing Procedure

1. Order and obtain $\pm 11,000$ feet of 2 7/8" 6.5# EUE N-80 tubing. Have tubing visually inspected and drifted while in Midland yard.
 2. MIRU slickline company. RU slickline pressure control. RIH with a plug suitable for a Baker 2.313" "XN" SN. Set plug in packer and POH.
 3. MIRU PU. Release pressure from tubing. ND wellhead. NU BOP. Pull tubing seals out of packer ($\pm 10'$). Circulate hole clean with lease brine.
 4. MIRU cement company. Spot 35' of cement on top of packer. POH.
 5. MIRU wireline company. RIH with a CBL-CCL-GR tool and determine TOC. POH.
 6. RU wireline pressure control. RIH with perforating guns. Perforate four cement squeeze hole at 9835'. POH.
 7. MIRU kill truck. Pump freshwater down casing allowing for returns on 5 1/2" - 8 5/8" annulus. Record rates and pressures. If the well will not circulate, contact production engineer on further plans.
 8. RIH with a wireline set cement retainer. Set retainer at 9780'. POH.
 9. RIH with 2 7/8" EUE tubing and partially sting into cement retainer. Test tubing for leaks. Sting fully into cement retainer.
 10. MIRU cement company. NU surface lines and test. Determine cement volumes needed to cement open hole-casing annulus from current TOC to 5500'. Establish injection into perforations using treated fresh water. Pump into squeeze perforations at 2-3 bpm and if possible circulate out 5 1/2" - 8 5/8" annulus. Circulate 500 gallons of mud-flush, pump a water spacer, circulate 1000 gallons of flow-check (HOWCO) or equivalent fluid, pump a water spacer, and then cement open hole - 5 1/2" annulus allowing for circulation at surface.
- Displace cement to retainer. Pull out of retainer and reverse out any excess cement. POH. RDMO cement company. WOC for 3 days.

Approved: T.J. Huchton
T.J. Huchton

Date: 5/2/89

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