

HSR-Cook 11-7A Annular Fill for state.docx

- 1 ND bop, ND tubing head. Unland 4-1/2" csg string. NU double entry flange, NU BOP.
- 2 PU and TIH with 1-1/4" 2.33# J-55 10rd IJ tbg outside 4 1/2" csg to +/- 675'. Circulate while TIH to condition hole.
- 3 MIRU Cement company.
- 4 Commence pumping cement job at pump rate of consisting 5 bbl fresh water, 20 bbl sodium meta silicate and 5 bbl fresh water; 48 bbl (175 sx) of Type III + with CaCl₂ and 2 lb/sk PS Flake mixed at 14.0 ppg and 1.53 cuft/sk blended for a 3 hr pump time (Cement from 675' to 575').
- 5 TOOH with 1-1/4" tbg until EOT is at +/- 400' and circulate 2x tubing volume or until cement cleans up. TOOH remaining 1-1/4" tbg and LD all 1-1/4" tbg.
- 6 Break lines and clean up with fresh water. RMDO cement company.
- 7 ND bop, ND dual entry flange. NU 2-3/8" tbg head and BOP.
- 8 Leave well shut overnight.
- 9 Circulate gas out of hole with fresh water with biocide.
- 10 MIRU wire line and run CCL-GR-CBL-VDL from 1600' to 100'. If cement is not above 600', contact engineering for further instructions. RDMO wire line.
- 11 Secure WH. Make sure Safety Prep Sign is hung on WH.
- 12 END OF ANNULAR FILL STEPS.