

### St Acacius 18-35 Annular Fill

- 1 PU and TIH 10,000 psi rated RBP above and below (4.5", 11.6#, I-80) and set RBP at +/- 6923' (collars located at 6902' and 6944').
- 2 Pressure test RBP to 1,000 psi for 15 minutes.
- 3 Dump 2 sks sand on top of RBP. POOH.
- 4 Bleed off pressure. ND BOP's, ND wellhead, Un-land 4-1/2" casing but do not exceed 80% of the tubing tensile strength which is 169,000 lbs, NU dual entry flange, NU BOP. Function test and document.
- 5 PU and TIH with 1-1/4" 2.33# J-55 10rd IJ tbg outside 4.5" csg to +/- 1900'. Run two 2" or one 3" line(s) from starting head to return tanks. If unable to achieve at least 1 bbl/min return, call engineering for alternate procedure. Circulate with freshwater treated with biocide to clean up annulus while TIH. Continue to circulate with rig pump until clean returns are seen. Use sweeps as needed to clean up wellbore.
- 6 Circulate with water treated with biocide until clean returns. Continue to circulate for additional 2 hours to ensure all gas and oil is removed.
- 7 PUH to 1700.
- 8 MIRU Cement company.
- 9 Commence pumping cement job at pump rate of consisting 5 bbl fresh water spacer, 70.0 bbl (295.8 sx) of Type III + with 0.5% CaCl<sub>2</sub> at 14.8 ppg and 1.33 cuft/sk blended for a 3 hr pump time (design is for cement from xxxx' to xxx').
- 10 TOOH with 1-1/4" tbg until EOT is at +/- 500' and circulate 2x tubing volume or until cement cleans up. TOOH remaining 1-1/4" tbg and LD all 1-1/4" tbg.
- 11 Break lines and clean up with fresh water. RMDO cement company.
- 12 ND bop, ND dual entry flange. NU 2-3/8" tbg head and BOP. Function test and document.
- 13 Leave well shut overnight.
- 14 Circulate gas out of hole with fresh water with biocide.
- 15 MIRU wireline and run CCL-GR-CBL-VDL from 3350' to surface'. Verify with Evans Engineering that new TOC is at 660' or higher. In addition to normal handling of logs/job summaries, email copies of all cement job logs/job summaries and invoices to rscDJVendors@anadarko.com within 24 hours of the completion of the job.
- 16 RDMO wireline.

Well is to be worked in preparation for St Acacius 5-35 Pad w/estimated start date of 2/2/2015.  
Current TBG head is rated to 5000 psi. FH cement design is from 1700' to 660'