

Luhman UPRR 32-13 #1: Annular Fill

- 1 Spot a minimum of 36 jts of 1-1/4", 2.3#, J-55 tubing for annular job. Prepare location for base beam rig.
- 2 Stand back all joints of 2-3/8" tbg.
- 3 RIH on wireline with CCL and 4-1/2" RBP. Set RBP at +/- 3000' (collar depths unknown) and POOH. Dump bail 2 sx of sand on top of RBP and POOH. Pressure test RBP to 1,000 psi for 15 minutes.
- 4 ND BOP. ND WH. Unland 4-1/2" casing. NU double entry flange.
- 5 PU 36 joints of 1-1/4", 2.3#. J-55 10rd IJ tubing and TIH outside 4-1/2" casing and open hole to 1300'. Circulate with biocide treated fresh water on TIH.
- 6 MIRU cementer. Prepare and pump freshwater spacer, 20 bbls sodium metasilicate, 325 sks Type III cement + 1/4#/sk cello flake, mixed at 14 ppg and 1.53 cu ft/sk. Design is for coverage from 1300' to 300' (1300 to 418' of 10" (assumed) OH + 20% excess and 418' to 300' of 8-5/8" surface casing). PUH to trip out of the hole with 1-1/4" tubing and shut in well.
- 7 RD cementing services.
- 8 Re-land 4-1/2" csg. ND double entry flange. NU WH. SDFN to WOC.
- 9 MIRU wireline services.
- 10 MIRU wire line and run CCL-GR-CBL-VDL from top of RBP (and 2 sx of sand) to surface. 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. RDMO wireline. Clear CBL with Evans engineering before proceeding.
- 11 TIH to 1 joint above RBP. Pumping water with biocide, pressure test RBP and production casing to 1,000 psi for 15 minutes. If pressure test passes, proceed; otherwise contact engineering.
- 12 NU BOPs. PU and TIH with 2-3/8" tbg and retrieving head. Circulate sand off of RBP. Release RBP at 3000', TIH with 2-3/8" tbg and LD RBP.
- 13 PU 2-3/8" NC, 2-3/8" XN nipple (be sure nipple is correctly input into OpenWells), and 2-3/8" tbg to surface. Land EOT at +/-7,420' (1 joint above the top Codell perf).
- 14 RU rig lubricator. Broach tubing to seating nipple. RD rig lubricator. ND BOP.
- 15 Install 7-1/16" x 5,000 psi tubing head adaptor with new 5,000 psi master valve with flanged 2-3/8" connection. Make sure all wellhead valves are rated to 5,000 psi.
- 16 Install 2-3/8" pup joint above the master valve. Pressure test the tubing head from below the tubing head through the master valve to 5,000 psi using hydrotester.
- 17 RDMO WO rig. Return well to production team.