

## ROBERT 3-14 – PROPOSED PLUGGING PLAN

- 1 Provide 48 hour notice of MIRU to Mike Hickey (970.302.1024) via email at [mike.hickey@state.co.us](mailto:mike.hickey@state.co.us)
- 2 Prepare location for base beam rig to move onto.
- 3 Call Foreman and/or Field Coordinator before rig up to remove any production equipment.
- 4 MIRU WO rig. Kill well, as necessary using water w/ biocide. ND wellhead. NU BOP's. Unseat landing joint and lay down.
- 5 Reciprocate tubing to break any possible sand bridges. Do not exceed safety tensile load of 57K lbs. PU and TIH with production string to top of fill and tag.
- 6 TOO H with 2-3/8" tbg.
- 7 MIRU wireline.
- 8 RIH with 4 1/5" 5K CIBP and set at 7150' KB. Dump 2 sx of cement on top of CIBP and POOH.
- 9 ND BOP's and tubing head. Unland 4 1/2" 11.6# I-80 casing from slips and work casing. TIH w/ free point tool to find free casing and POOH. TIH with jet cutter to cut csg 50' above free point. Estimated TOC 4073' KB. RDMO wireline.
- 10 TOO H and LD 4 1/2" casing. If unable to pull casing contact engineer/COGCC for plugging modifications.
- 11 TIH with 2 3/8" working string to CIBP. Pump 50 bbl used drilling mud.
- 12 PUH with 2 3/8" working string to 50' below 4 1/2" casing stub.
- 13 MIRU cementing services.
- 14 Set 100 ft (75 sx, Class G neat, 75% excess) balanced plug across cement stub. Pump 15 bbl cement. 14.5 bbl water displacement. PUH 20 joints to 3235' KB. Circulate 300 bbl water or until no cement in returns. If stub cut is at different depth adjust displacement as necessary. If not 100' above casing stub, re-pump cement.
- 15 SI WOC, 4 hours (if waiting overnight TOO H w/ working string). Tag plug, PU pump 250 bbl of used drilling mud.
- 16 PUH with 2 3/8" working string to 1150' KB, which is 132' below surface casing shoe.
- 17 Set 232 ft (125 sx Class G neat, 50% excess) cement plug across shoe to 100' above at 928' KB. Pump 25.5 bbl cement slurry. Pump 4 bbl water displacement. PUH 10 jnts (~300'), circulate 30 bbl water or until no cement in returns.
- 18 TOO H with working string. SI WOC 4 hours (if waiting overnight TOO H w/ working string). Tag plug. If below 928, re-pump cement.
- 19 PU 1 jnt above tag and pump 59 bbl of used drilling mud.
- 20 TOO H. Finish filling from surface with 4,500 psi compressive strength redimix to fill 10' below ground level.
- 21 RDMO WO rig.
- 22 Cut surface casing 10 ft below ground level (5' below new grading planned for Gas Plant expansion) and weld on cap.
- 23 Properly abandon flowlines per Rule 1103.
- 24 Submit Form 6 to COGCC. Provide "As Plugged" wellbore diagram identifying the specific plugging completed.

