

- 1 Contact foreman or lead operator and request that they isolate production equipment and remove automation equipment (if not already done from prior workover operation) prior to workover rig mobilization. Install perimeter fence as needed.
- 2 No gyro necessary – we have a directional survey.
- 3 Notify the IOC when rig moves on location to generate workover for flowline removal and one call for line locates.
- 4 Provide 48 hr notice of MIRU to COGCC as required in approved Form 6.
- 5 MIRU workover rig. Haul in additional joints of 2 3/8" tubing for replacements.
- 6 Place cement services on "will call" and notify vendor of blend and volumes when rig moves on location.
- 7 Circulate well with clean water treated with biocide. Remove upper wellhead and install BOP.
- 8 Unland 2 3/8" production tubing string. Tag RBP at 7946'. P&SB production tubing.
- 9 RIH on 2 3/8" tubing to 7940'. Hydrotest tubing to min 3000 psi while RIH.
- 10 RU cementer. Establish circulation down 2-3/8" tubing. Spot 70 sks Class "G" cement containing 20% silica flour, 0.4% CD-52 and 0.4% ASA-301 and R-3 to achieve 2:30 pump time (15.8 ppg & 1.38 cuft/sk).
- 11 TOO H with tubing, SB 4700', LD remainder. Reverse out cement with water and then circulate hole with min 9.0 ppg/36 vis mud treated with biocide.
- 12 TIH w/ tubing to 4700'
- 13 RU cementer. Spot 45 sks Class "G" cement containing 0.4% CD-32, .4% ASA-301 (15.8 ppg & 1.15 cuft/sk). Displace cement TOO H w/ tubing. Reverse out cement with mud and then circulate hole with min 9.0 ppg/36 vis mud treated with biocide. RD cementer and place on call for surface plugs. TOO H w/ tubing, SB 1100', LD remainder.
- 14 TIH w/ tubing to +/- 1100'. RU cementer. Spot 30 sks Class "G" containing 1-2% CaCl₂ (15.8 ppg & 1.15 cuft/sk) from 1100' up to +/- 700'. Reverse out cement with water and then circulate hole with min 9.0 ppg/36 vis mud treated with biocide.
- 15 TOO H and LD the remainder of the tubing. WOC 4 hrs.
- 16 TIH w/ tubing and tag cement. If below 800' call office for instructions.
- 17 Establish circulation between the surface casing and production casing . RU cementer. Pump 65 sks Class "G" containing 1-2% CaCl₂ (15.8 ppg & 1.15 cuft/sk) displace with wiper plug to 150' from surface in 4-1/2". Hold pressure on plug overnight. RDMO cementer.
- 18 MIRU wireline – make a gauge ring run to wiper plug approximately 150'. POOH and RIH with a wireline set CIBP, set 5' above wiper plug tag depth (record depth in Open Wells). Pressure test plug to 100 psi, if successful proceed.
- 19 Remove BOP. RDMO workover rig.
- 20 Wait 2 weeks, check well to ensure plugs are not leaking.
- 21 Wellsite supervisor turn all paper copies of cementing reports/invoices and logs to Sabrina Frantz. NOTE: During the job, wellsite supervisor should instruct the logging and cementing contractors to e-mail all logs, job reports/invoices to Sabrina Frantz.
- 22 Have excavation contractor notify One-Call to clear for digging around wellhead and flowline removal.
- 23 Excavate hole around surface casing to allow welder to cut off 8 5/8" surface casing 5' below ground level. Tag cement top with string line and record.
- 24 If cement is not up to 30', MIRU redi-mix cement mixer. Use 4,500 psi compressive strength redi-mix (cmt and sand only, no aggregate) to finish filling surface casing to top of cut off. RDMO ready cement mixer.
- 25 Weld steel plate across top of surface casing cut off. Information to be stamped on plate is: Well name and number, ¼, ¼ description of surface location and API number.
- 26 Cover steel plate and backfill hole with native material removed.
- 27 Properly abandon flowlines as per Rule 1103. Reclaim location/ROW as required by surface owner(s).
- 28 Submit Form 6 to COGCC. Provide "As Plugged" wellbore diagram identifying the specific plugging completed.