

GIBBLER 11-3A - PROCEDURE

- 1 Call foreman or lead operator at least 24 hr prior to rig move. Request that they catch and remove the plunger, isolate production equipment and remove any automation prior to rig showing up. Install perimeter fence as needed.
- 2 MIRU slickline services. Pull bumper spring and tag bottom. Run pressure bomb and obtain pressure gradient survey from surface to *halfway between top and bottom perms of producing formation* making gradient stops every 1000'. Forward pressure bomb results to Evans Engineering. RDMO slickline services
- 3 MIRU slickline services and VES. Run gyro survey from 7870' to surface with stops every 100'. Forward gyro survey data to Sabrina Frantz and invoices to Sabrina Frantz. RDMO slickline services and VES.
- 4 Provide notice of MIRU to COGCC field inspector as specified in approved Form 6.
- 5 Notify IOC when rig mobilizes to location to generate workorder for flowline removal and one call for line locates.
- 6 Prepare location for base beam equipped rig.
- 7 MIRU, kill as necessary using clean fresh water with biocide and circulate. ND WH. NU BOP. Unseat landing jt, LD.
- 8 Notify cementers to be on call. Provide volumes (30 sx "G" w/20% silica flour, 0.4% CD-32, 0.4% ASA-301 and R-3 to achieve 2:30 pump time mixed at 15.8 ppg and 1.38 cf/sk (inside 4.5"), 95 sx class "G", 0.4% CD-32, 0.4% ASA-301 mixed at 15.8 ppg and 1.15 cf/sx; 275 sx Type III CaCl₂ cement mixed at 14.0 ppg and 1.53 cf/sx (7.875"+60%)).
- 9 TOOH 2 3/8" production tubing. Stand back.
- 10 MIRU WL.
- 11 RIH gauge ring for 4.5" 11.6#/ft csg to 7900'.
- 12 RIH CIBP, set at 7880'. PU dump bailer, dump bail 2 sx class "G" cement on CIBP.
- 13 RIH CIBP, set at 7190'. PT CIBP to 1000 psi. RD WL
- 14 TIH to 7190'+/- tag CIBP hydrotesting tubing in to 3000 psi. Roll hole using water containing biocide.
- 15 RU cement services.
- 16 Spot 30 sx "G" w/20% silica flour, 0.4% CD-32, 0.4% ASA-301 and R-3 to achieve 2:30 pump time mixed at 15.8 ppg and 1.38 cf/sk on top of CIBP.
- 17 PUH 15 stands. Reverse circulate 48 BBL (2x tubing volume) water containing biocide to clear tubing.
- 18 PUH to 5200'.
- 19 RU cement services.
- 20 Spot 95 sx class "G", 0.4% CD-32, 0.4% ASA-301 mixed at 15.8 ppg and 1.15 cuft/sx.
- 21 PUH 28 stands. Reverse circulate 27 BBL (2x tubing volume) water containing biocide to clear tubing.
- 22 TOOH. WOC 4 hrs.
- 23 TIH and tag. If cement is below 4160', discuss with production engineer.
- 24 P&SB 1320' tbg. LD remainder.

- 25 RU WL. Crack coupling or shoot off casing at 1220'. RDMO WL. Circulate hole using 95 BBL water containing biocide to remove any gas.
- 26 NDBOP, NDTH.
- 27 NU BOP on casing head, install 4-1/2" pipe rams.
- 28 TOO H with 4-1/2" casing, LD.
- 29 TIH into csg stub using production tubing to 1320'.
- 30 Spot 275 SX Type III CaCl₂ cement mixed at 14.0 ppg and 1.53 cuft/sx.
- 31 PUH to 200'. Circulate 25 BBLs water containing biocide to clear tubing and casing.
- 32 TOO H. WOC 4 hrs.
- 33 TIH and tag. If cement is below 530', discuss with production engineer. TOO H.
- 34 MIRU WL. RIH 8-5/8" CIBP to 100'. Set, PT to 1000 psi for 15 min. If tests, RDMO WL and WO rig.
- 35 Instruct cementing and wireline contractors to e-mail copies of all job logs/job summaries and invoices to rscDJVendors@anadarko.com within 24 hrs of the completion of the job. This does not include uploading bond logs to the COGCC. That procedure has not changed.
- 36 Supervisor submit paper copies of all invoices, logs, and reports to Joleen Kramer.
- 37 Excavation crew to notify One Call to clear excavation area around wellhead and for flowlines.
- 38 Excavate hole around surface casing enough to allow welder to cut 8 5/8" casing minimum 5' below ground level.
- 39 Welder cut 8 5/8" casing minimum 5' below ground level.
- 40 MIRU ready cement mixer. Use 4500psi compressive strength cement, (NO gravel) fill stubout.
- 41 Weld on steel marker plate. Marker should contain Well name, Well number, legal location (1/4 1/4 descriptor) and API number
- 42 Properly abandon flowlines per Rule 1103.
- 43 Back fill hole with fill. Clean location, level.
- 44 Submit Form 6 to COGCC ensuring to provide "As performed" WBD identifying operations completed.