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Barclay 15-14 – P&A (well is already prepped to be P&A)

- 1 Gyro run 3/3/14.
- 2 Provide 48 hr notice to COGCC prior to rig up per request on approved Form 6.
- 3 MIRU SL. Tag top of cement from prep to P&A at +/- **6770'** (tag needs to be above **6830'**). Enter tag depth in OpenWells. RDMO SL.
- 4 Prepare location for base beam rig.
- 5 Check and record Bradenhead pressure. If Bradenhead valve is not accessible, re-plumb so that valve is above GL. Contact engineer if Bradenhead pressure is greater than **0 psi**.
- 6 Spot **156** jts of 2-3/8" 4.7# J-55 8RD EUE tbg.
- 7 MIRU WO rig. Kill well with fresh water and biocide. ND WH, NU BOP.
- 8 Notify cementers of the needed volumes: **35 sx** class G with 0.4% CD-32, 0.4% ASA-301 mixed at 15.8 ppg and 1.15 cf/sk (Sussex balanced plug); **200 sx** Type III cement with ¼ pps cello flake and CaCl₂ mixed at 14.8 ppg and 1.33 cf/sk (FHM stub plug).
- 9 TIH with 2-3/8" tbg to **4620'** and circulate water with biocide to clean hole.
- 10 MIRU cement company. Spot **35 sx** of class G with 0.4% CD-32, 0.4% ASA-301 mixed at 15.8 ppg and 1.15 cf/sk (cement from **4620'** to **4210'** inside 4-1/2" csg).
- 11 PUH to **4000'** and circulate thoroughly with fresh water and biocide to clear tbg. WOC 4 hrs.
- 12 Drop down, tag plug with tbg. Tag needs to be **4210'** or higher.
- 13 TOOH. Stand back **1340'** of 2-3/8" tbg and LD remainder.
- 14 MIRU WL. PU jet cutter and RIH to **1240'**, cut 4-1/2" csg. Reverse circulate to remove any gas from wellbore. RDMO WL.
- 15 ND BOP, ND tbg head. NU BOP on surface csg with 4-1/2" pipe rams. Install 3000 psi ball valves on csg head outlets. Install choke or choke manifold on one outlet.
- 16 TOOH with 4-1/2" csg and LD.
- 17 Uninstall 4-1/2" pipe rams on BOP and install 2-3/8" pipe rams.
- 18 TIH with 2-3/8" tbg to +/- **1340'**, 100' inside 4-1/2" csg stub.
- 19 MIRU cement company. Pump 10 bbls SAPP, 20 bbls fresh water and biocide followed with **200 sx** of Type III cement with ¼ pps cello flake and CaCl₂ mixed at 14.8 ppg and 1.33 cf/sk (cement from **1340'** to **760'** over Fox Hills, assume 8" hole from closest caliper, 40% excess).
- 20 TOOH with 2-3/8" tbg. WOC 4 hrs, tag plug. Tag needs to be **860'** or higher. TOOH.
- 21 MIRU WL. RIH with 8-5/8" CIBP and set at **80'**. Pressure test to 1000 psi for 15 min. If pressure holds, RDMO WL and RDMO WO rig.
- 22 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.
- 23 Supervisor submit paper copies of all invoices, logs, and reports to Evans Engineering Specialist.
- 24 Excavation crew to notify One Call to clear excavation area around wellhead and for flowlines.
- 25 Excavate hole around surface casing enough to allow welder to cut 8-5/8" casing minimum 5' below ground level.



- 26 Welder cut 8-5/8" casing minimum 5' below ground level.
- 27 MIRU Redi Cement mixer. Use 4500 psi compressive strength cement, (NO gravel) to fill stubout.
- 28 Spot weld on steel marker plate. Marker should contain Well name, Well number, legal location (1/4 1/4 descriptor) and API number.
- 29 Properly abandon flowlines per Rule 1103.
- 30 Obtain GPS location data as per COGCC Rule 215 and send to rscDJVendors@anadarko.com.
- 31 Back fill hole with fill. Clean location, level.
- 32 Submit Form 6 to COGCC ensuring to provide 'As performed' WBD identifying operations completed.