



Jackson 43-8A – P&A

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- 1 Gyro run 12/3/2013.
- 2 Provide 48 hr notice to COGCC prior to rig up per request on approved Form 6. Submit Form 42 prior to rig move. Install perimeter fence as needed. NOTE** well is currently in cellar with lowered wellhead, 2 RBP's downhole at 6699' and 6792'.
- 3 Prepare location for base beam rig.
- 4 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.
- 5 Ensure WH is above ground level. If not, contact Luke Epple to prepare area.
- 6 Spot 7200' of 2-3/8" 4.7# J-55 EUE tbg (~232 jts).
- 7 MIRU WO rig. ND T/A, NU BOP.
- 8 Notify cementers of the needed volumes: 25 sx of Thermal 35 cement with 0.5% CFR-2, 0.25% FMC mixed at 15.6 ppg and 1.51 cf/sk (Niobrara plug); 210 sx of 0:1:0 Class G cement with 0.5% CFR-2, 0.2% FMC, 0.5% LWA, 0.25 pps Polyflake mixed at 15.8 ppg and 1.15 cf/sk (Sussex suicide sqz); 280 sx of Type III cement with 0.3% CFL-3, 0.3% CFR-2, 0.25 pps polyflake and CaCl₂ mixed at 14.8 ppg and 1.33 cf/sk (Fox Hills stub plug).
- 9 PU retrieving head on 2-3/8" tbg and RIH to first RBP at +/- 6699'. Latch on and release RBP. POOH, LD RBP.
- 10 RIH with retrieving head on 2-3/8" tbg to second RBP at +/- 6792'. Latch on and release RBP. POOH, LD RBP. Return both RBP's to Thunderbird.
- 11 MIRU WL. RIH with gauge ring for 2-7/8" 6.5# csg. We expect to tag sand at 7170' (liner hanger). If tag depth is lower, contact Evans Engineering as prog steps will change.
- 12 MIRU WL. RIH with gauge ring for 4-1/2" 11.6# csg to 7150'.
- 13 RIH with 4-1/2" CIBP (4-1/2" 11.6#). Set CIBP at +/- 7160' (Collar at 7136', liner hanger at 7170'). Dump 2 sx of cement on CIBP.
- 14 RIH with 4-1/2" CIBP (4-1/2" 11.6#). Set CIBP at +/- 6820' (Collars at 6805' and 6850'). RDMO WL.
- 15 RIH with 2-3/8" tbg while hydrotesting to 3000 psi and tag CIBP at 6820'. PU and circulate to remove gas from hole. Pressure test CIBP to 1000 psi for 15 minutes. If pressure test passes, proceed; otherwise, contact engineering.
- 16 MIRU cement company. Spot 25 sx of Thermal 35 cement with 0.5% CFR-2, 0.25% FMC mixed at 15.6 ppg and 1.51 cf/sk (cement from 6820' to 6400' in 4-1/2" csg).
- 17 PUH to 6300'. Circulate fresh water with biocide to clear tbg.
- 18 TOOH. Stand back 3800' of 2-3/8" tbg and LD remainder.
- 19 MIRU WL. PU and RIH with two perf guns and CCL inside 4-1/2" csg (3-1/8", 3 spf, "Big Hole" 0.6" EHD, 7" penetration, 120 deg phasing, 3' net, 9 total holes). Shoot 1' of bottom squeeze holes at 4180'. PUH to 3770' and shoot 2' of top squeeze holes. POOH, RDMO WL.
- 20 RIH with 4-1/2" CICR (4-1/2" 11.6#) on 2-3/8" tbg and set at +/- 3800'. Establish circulation with fresh water and biocide. If unable to circulate, contact Evans Engineering.

- 21 MIRU cement company. Pump 5 bbls fresh water, 20 bbls sodium metasilicate, and 5 bbls fresh water followed with 210 sx of 0:1:0 Class G cement with 0.5% CFR-2, 0.2% FMC, 0.5% LWA, 0.25 pps Polyflake mixed at 15.8 ppg and 1.15 cf/sk into squeeze holes (cement from 200' below top of Sussex to 200' above top of Sussex, 9.5" avg open hole from caliper, 20% excess). Under displace by 3 bbls, sting out of CICR and dump remaining cement on CICR.
- 22 PUH to 3500' and circulate fresh water with biocide to clear tbg.
- 23 TOOH. Stand back 870' of 2-3/8" tbg and LD remainder.
- 24 MIRU WL. PU jet cutter and RIH to 770', cut 4-1/2" csg. Circulate to remove any gas and old mud from wellbore. RDMO WL.
- 25 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.
- 26 TOOH with 4-1/2" csg and LD.
- 27 Uninstall 4-1/2" pipe rams on BOP and install 2-3/8" pipe rams.
- 28 TIH with 2-3/8" tbg to +/- 870', 100' inside 4-1/2" csg stub.
- 29 MIRU cement company. Establish circulation with fresh water and biocide and get bottoms up. Pump 10 bbls SAPP, 20 bbls fresh water and biocide followed with 280 sx of of Type III cement with 0.3% CFL-3, 0.3% CFR-2, 0.25 pps polyflake and CaCl₂ mixed at 14.8 ppg and 1.33 cf/sk (cement from 870' to 155', assuming 9.5" avg hole from nearest SX caliper, adding 40% excess).
- 30 TOOH with 2-3/8" tbg. WOC 4 hrs, tag plug. Tag needs to be 255' or higher. TOOH.
- 31 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.
- 32 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.
- 33 Supervisor submit paper copies of all invoices, logs, and reports to Evans Engineering Specialist.
- 34 Excavation crew to notify One Call to clear excavation area around wellhead and for flowlines.
- 35 Excavate hole around surface casing enough to allow welder to cut 8-5/8" casing minimum 5' below ground level.
- 36 Welder cut 8-5/8" casing minimum 5' below ground level.
- 37 MIRU Redi Cement mixer. Use 4500 psi compressive strength cement, (NO gravel) to fill stubout.
- 38 Spot weld on steel marker plate. Marker should contain Well name, Well number, legal location (1/4 1/4 descriptor) and API number.
- 39 Properly abandon flowlines per Rule 1103.
- 40 Obtain GPS location data as per COGCC Rule 215 and send to rscDJVendors@anadarko.com.
- 41 Back fill hole with fill. Clean location, level.
- 42 Submit Form 6 to COGCC ensuring to provide 'As performed' WBD identifying operations completed.