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UPRC 33-1M – P&A

- 1 Provide 48 hr notice to COGCC prior to rig up per request on approved Form 6. Submit Form 42 and call Automation Removal Group at least 24 hr prior to rig move. If not already completed, request that they catch and remove plunger, isolate production equipment and remove any automation equipment prior to the rig showing up. Install perimeter fence as needed.
- 2 If unable to catch plunger, MIRU SL. Fish plunger and tag PBMD (should be 8310'). Otherwise, use rig to tag fill with tbg. Enter tag depth in OpenWells.
- 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. Form 17 dated 5/8/1994 had 0 psi BH pressure.
- 5 Spot 25 jts of 2-3/8" 4.7# J-55 8RD EUE tbg.
- 6 MIRU WO rig. Kill well with fresh water and biocide. ND WH, NU BOP.
- 7 PU tbg to break any possible sand bridges. Do not exceed 80% of tubing tensile strength, or 57,384 lb. LD landing jt. TOO H with 2-3/8" tbg.
- 8 PU casing scraper for 4.5" 11.6 #/ft casing and RIH to 8050'. TOO H and LD scraper.
- 9 PU 4-1/2" CIBP (4-1/2" 11.6#) and RIH on tubing. Set CIBP at +/- 8000' (Collars at 7987' and 8030'). Circulate all gas out of the hole. P&SB 6930' of tbg, LD remainder.
- 10 MIRU WL. Current CBL is unclear. RIH with CCL-CBL to 7900'. Log from 7900' – surface and send logs to engineer for possible cementing plan changes. Dump bail 2 sx of cmt on CIBP.
- 11 Pressure test CIBP to 1000 psi for 15 minutes. If pressure test passes, proceed.
- 12 PU and RIH with 3' of 3 1/8" perf guns and CCL (3 spf, "Big Hole" 0.6" EHD, 7" penetration, 120 deg phasing, 3' net, 9 total holes). Shoot 1' of bottom squeeze holes at 7300'-7301'. PUH to 6900'-6902' and shoot 2' of top squeeze holes. POOH, RDMO WL.
- 13 RIH with 4-1/2" CICR (4-1/2" 11.6#) on 2-3/8" tbg while hydrotesting to 4000 psi and set at +/- 6930' (collars unknown).
- 14 MIRU cement company. Establish circulation with fresh water and biocide. Pump 100 sx of 50/50 Poz "G" of the Niobrara/Codell bottom plug for squeezes blend, mixed at 13.5 ppg and 1.66 cf/sk into squeeze holes (cement from 7300' to 6900' behind 4-1/2" csg, 8" avg open hole from caliper, adding 20% excess). Under displace by 3 bbls, sting out of CICR and dump remaining cement on CICR.
- 15 PUH to 6700' and circulate fresh water with biocide to clear tbg.
- 16 TOO H. Stand back 4210' of 2-3/8" tbg and LD remainder.
- 17 PU and RIH with 3' of 3 1/8" perf guns and CCL (3 spf, "Big Hole" 0.6" EHD, 7" penetration, 120 deg phasing, 3' net, 9 total holes). Shoot 1' of bottom squeeze holes at 4590'-4591'. PUH to 4180'-4182' and shoot 2' of top squeeze holes. POOH, RDMO WL.
- 18 RIH with 4-1/2" CICR (4-1/2" 11.6#) on 2-3/8" tbg and set at +/- 4210' (collars unknown).

- 19 MIRU cement company. Establish circulation with fresh water and biocide. Pump 5 bbls fresh water, 20 bbls sodium metasilicate, and 5 bbls fresh water followed with 230 sx of class G Shannon/Sussex cement blend for circulation, mixed at 15.8 ppg and 1.15 cf/sx into squeeze holes (cement from 4590' to 4180' behind 4-1/2" csg, 10" avg open hole from caliper, adding 20% excess). Under displace by 3 bbls, sting out of CICR and dump remaining cement on CICR.
- 20 PUH to 3900' and circulate fresh water with biocide to clear tbg.
- 21 TOO H. Stand back 1160' of 2-3/8" tbg and LD remainder.
- 22 MIRU WL. PU jet cutter and RIH to 1060', cut 4-1/2" csg. Circulate to remove any gas from wellbore. RDMO WL.
- 23 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.
- 24 TOO H with 4-1/2" csg and LD.
- 25 Uninstall 4-1/2" pipe rams in BOP and install 2-3/8" pipe rams.
- 26 TIH with 2-3/8" tbg to +/- 1160', 100' inside 4-1/2" csg stub. Establish circulation with fresh water containing biocide and get bottoms up.
- 27 MIRU cement company. Pump 10 bbls SAPP, 20 bbls fresh water and biocide followed with 330 sx of Type III cement of the Base of the Surface Casing blend with CaCl₂, mixed at 14.8 ppg and 1.33 cf/sk (cement from 1160' to 420' over Fox Hills, 10" avg hole from caliper, adding 20% excess).
- 28 TOO H with 2-3/8" tbg. WOC 4 hrs (or per cement company recommendation), tag plug. Tag needs to be 420' or higher. TOO H.
- 29 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.
- 30 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.
- 31 Supervisor submit paper copies of all invoices, logs, and reports to Evans Engineering Specialist.
- 32 Excavation crew to notify One Call to clear excavation area around wellhead and for flowlines.
- 33 Excavate hole around surface casing enough to allow welder to cut 8-5/8" casing minimum 5' below ground level.
- 34 Welder cut 8-5/8" casing minimum 5' below ground level.
- 35 MIRU Redi Cement mixer. Use 4500 psi compressive strength cement, (NO gravel) to fill stubout.
- 36 Spot weld on steel marker plate. Marker should contain Well name, Well number, legal location (1/4 1/4 descriptor) and API number.
- 37 Properly abandon flowlines per Rule 1103.
- 38 Obtain GPS location data as per COGCC Rule 215 and send to rscDJVendors@anadarko.com.
- 39 Back fill hole with fill. Clean location, level.
- 40 Submit Form 6 to COGCC ensuring to provide 'As performed' WBD identifying operations completed.