



## Scottdale Ranch 12-35 – P&A

Daniel Notary

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- 1 Gyro run 9/24/2013.
- 2 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.
- 3 If unable to catch plunger, MIRU SL. Fish plunger and bumper spring and tag PBMD (should be 7197'). Enter tag depth in OpenWells. RDMO WL.
- 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 25 jts of 2-1/16" 3.25# J-55 tbg.
- 7 MIRU WO rig. Attempt to circulate and kill well with fresh water and biocide. If unable to circulate, load csg and tbg with water. ND WH, NU BOP.
- 8 PU tbg to break any possible sand bridges. Do not exceed 80% of tubing tensile strength, or 39,200 lb. LD landing jt. TOOH with 2-3/8" tbg and LD.
- 9 Notify cementers of the needed volumes: 20 sx of Class 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 (Niobrara plug); 170 sx Class G with 0.25 pps cello flake, 0.4% CD-32, 0.4% ASA-301 mixed at 15.8 ppg and 1.15 cf/sk (Sussex suicide sqz); 120 sx Type III cement with 0.25 pps cello flake and CaCl<sub>2</sub> mixed at 14.8 ppg and 1.33 cf/sk (FHM stub plug).
- 10 MIRU WL. RIH gauge ring for 3-1/2" 7.7# csg to 6850'.
- 11 RIH with 3-1/2" CIBP (3-1/2" 7.7#). Set CIBP at +/- 6810' (Collars at 6794' and 6820') and pressure test CIBP to 1000 psi for 15 minutes. If pressure test passes, RDMO WL.
- 12 RIH with 2-1/16" tbg while hydrotesting to 3000 psi and tag CIBP. PU and circulate thoroughly to remove gas from hole.
- 13 MIRU cement company. Spot 20 sx of Class 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 (cement from 6810' to 6300' in 3-1/2" csg).
- 14 PUH to 6100'. Circulate fresh water with biocide to clear tbg.
- 15 TOOH. Stand back 920' of 2-1/16" tbg and LD remainder.
- 16 MIRU WL. PU and RIH with perf gun and CCL inside 3-1/2" csg (2-1/2", 3 spf, "Big Hole" 0.6" EHD, 7" penetration, 120 deg phasing, 1' net, 3 total holes). Shoot squeeze holes at 4230'. POOH, RDMO WL.
- 17 Establish circulation with fresh water and biocide. If unable to establish circulation to surface, contact Evans Engineering and make plans to cut and pull csg at 4230'.
- 18 MIRU cement company. Pump 5 bbls fresh water, 20 bbls sodium metasilicate, and 5 bbls fresh water followed with 170 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. Run wiper plug and displace to 3800' (cement from 4230' to 3800' inside and outside 3.5" csg, 8.5" avg open hole from caliper, 20% excess).

- 19 MIRU WL. PU jet cutter and RIH to 3800', tag wiper plug (if below 3800', contact Engineering). PUH to 820', cut 3-1/2" csg. Circulate to remove any gas from wellbore. RDMO WL.
- 20 ND BOP, ND tbg head. NU BOP on surface csg with 3-1/2" pipe rams. Install 3000 psi ball valves on csg head outlets. Install choke or choke manifold on one outlet.
- 21 TOOH with 3-1/2" csg and LD.
- 22 Uninstall 3-1/2" pipe rams on BOP and install 2-1/16" pipe rams.
- 23 TIH with 2-1/16" tbg to +/- 920', 100' inside 3-1/2" csg stub.
- 24 MIRU cement company. Pump 10 bbls SAPP, 20 bbls fresh water and biocide followed with 120 sx of Type III cement with 0.3% CFL-3, 0.3% CFR-2, 0.25 pps polyflake and CaCl<sub>2</sub> mixed at 14.8 ppg and 1.33 cf/sk (cement from 920' to 430' over Fox Hills, 9" avg hole from caliper, adding 20% excess).
- 25 TOOH with 2-3/8" tbg. WOC 4 hrs, tag plug. Tag needs to be 530' or higher. TOOH.
- 26 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.
- 27 Instruct cementing and wireline contractors to e-mail copies of all job logs/job summaries and invoices to [rscDJVendors@anadarko.com](mailto:rscDJVendors@anadarko.com) within 24 hrs of the completion of the job.
- 28 Supervisor submit paper copies of all invoices, logs, and reports to Evans Engineering Specialist.
- 29 Excavation crew to notify One Call to clear excavation area around wellhead and for flowlines.
- 30 Excavate hole around surface casing enough to allow welder to cut 8-5/8" casing minimum 5' below ground level.
- 31 Welder cut 8-5/8" casing minimum 5' below ground level.
- 32 MIRU Redi Cement mixer. Use 4500 psi compressive strength cement, (NO gravel) to fill stubout.
- 33 Spot weld on steel marker plate. Marker should contain Well name, Well number, legal location (1/4 1/4 descriptor) and API number.
- 34 Properly abandon flowlines per Rule 1103.
- 35 Obtain GPS location data as per COGCC Rule 215 and send to [rscDJVendors@anadarko.com](mailto:rscDJVendors@anadarko.com).
- 36 Back fill hole with fill. Clean location, level.
- 37 Submit Form 6 to COGCC ensuring to provide 'As performed' WBD identifying operations completed.