

Rocky Mountain Fuel CO G 1

- 1 NOTE: WELL HAS GYRO DATED 12/20/2013.
- 2 Well needs to have production packer pulled so CBL can be performed. Packer will be replaced when work has completed.
- 3 Call Foreman or Field Coordinator before rig up to isolate production equipment. Catch and remove plunger. Enter plunger into PLUNGER DATABASE. Call 24 hours prior to the rig moving onto location so that any automation equipment can be removed prior to the rig showing up. Install fence if needed. NOTE: Report surface casing pressure to engineer. If surface casing is not accessible at ground level, re-pipe so valve is at ground level.
- 4 Level location for base beam rig.
- 5 MIRU slickline. RIH to retrieve production equipment.
- 6 MIRU WO Rig. Control well with biocide treated water. ND WH and NU BOP. Unseat landing joint and LD.
- 7 Last EMI was 2/10/2014- 6 joints tested bad. EMI services not needed at this time.
- 8 Release Arrowset AS-1X packer at 6893' and TOO H and LD 2-3/8" TBG, Arrowset packer, XN profile nipple, NC, TBG.
- 9 Return packer to shop were purchased and have redressed.
- 10 MIRU wireline services company.
- 11 PU and RIH 10,000 psi rated RBP above and below (4.5", 10.5#, K-55) and set RBP at +/- 6893' (collars located at 6900' and 6870').
- 12 Pressure test to 500 psi for 15 minutes. Dump 2 sks sand on top of RBP upon successful completion of test.
- 13 RIH with CCL-GR-CBL-VDL. Run from top of RBP to surface. In addition to normal handling of logs/job summaries, email copies of all cement job logs/job summaries and invoices to rscDJVendors@anadarko.com within 24 hours of the completion of the job. Also deliver/email copy to Evans Engineering (Tom Urbanek) for review.
- 14 POOH, RDMO wireline services company.
- 15 Wait for further instructions from Evans Engineering.
- 16 PU and TIH with 2-3/8" TBG to sand above RBP at 6893'. Reverse circulate clean and latch onto RBP, unseat RBP.
- 17 TOO H while standing back 2-3/8" TBG and laying down retrieving head and RBP.
- 18 PU & TIH with 2-3/8" NC, 2-3/8" XN profile nipple, 2-3/8" TBG to set EOT (tail string) at +/- 7500', Arrowset AS-1X packer (4.5", 10.5#, K-55, 10k psi rated), and 2-3/8" TBG to surface. Hydrotest tubing to 6000 psi while TIH. Set packer at 6893' (collars at 6900' and 6870').
- 19 Load backside with biocide treated water and pressure test packer to 1000 psi for 15 min.
- 20 ND BOPE, NU WH. Ensure all valves on WH are rated to minimum 5000 psi and update WH as necessary using new 7-1/16" x 2-1/16" 5000 psi tubing head adaptor and new flanged 5000 psi master valve with 2-3/8" EUE companion flange on top. Ensure a new R-46 gasket is installed on WH.
- 21 Hydrotest TBG head and master valve to 5000 psi. If pressure test fails, call Evans office for alternate procedures.
- 22 RDMO hydrotester. RDMO WO rig.
- 23 Return well to production team.
- 24 END OF SAFETY PREP STEPS. BELOW ARE STEPS FOR UN-PREPPING THE WELL.
- 25 When notification is sent to un-prep well, call Foreman or Field Coordinator before rig up to isolate production equipment. Catch and remove plunger. Enter plunger into PLUNGER DATABASE. Call 24 hours prior to the rig moving onto location so that any automation equipment can be removed prior to the rig showing up. Install fence if needed. NOTE: Report surface casing pressure to engineer. MIRU WO rig.
- 26 Control well with biocide treated water.
- 27 ND WH. NU BOP.
- 28 Release Arrowset AS-1X packer and TOO H with 2-3/8" TBG, Arrowset packer, XN profile nipple, and NC while standing back TBG and laying down packer.
- 29 Return packer to shop were purchased and have redressed.
- 30 PU & TIH with 2-3/8" NC, 2-3/8" XN profile nipple (ensure nipple is input into OpenWells), and 2-3/8" TBG.
- 31 If fill is encountered above 8130' (bottom JSAND perf), PU and TIH w/ tubing string consisting of 2-3/8" hydrostatic bailer assembly and 2-3/8" tbg. Bail sand (about 94.5' - 3 joints- per trip) to the PBMD 8180' KB. TOO H, SB tbg, LD bailer assembly.
- 32 PU and TIH and land TBG at +/- 7613', which is approximately 1 joint above the top CODELL perf.
- 33 ND BOPE, NU WH. Ensure all valves on WH are rated to minimum 5000 psi and update WH as necessary to flanged style WH. Ensure a new R-46 gasket is installed on WH.
- 34 MIRU hydrotester. Pressure test TBG head to 5000 psi for 15 minutes. After successful pressure test, proceed. RDMO hydrotester.
- 35 RU rig lubricator. Broach TBG to CIBP. RD rig lubricator.

Well is to be worked in preparation for NRC 14-9 Pad w/estimated start date of 8/14/2014.

Current TBG head is rated to 5000 psi.

Nio top: 7334'; TOC: 6832; NPV: 153M, 346' away from nearest frac (NRC 2C-4HZ well).

Most recent CSG pressure test: 500 on 7/23/2000

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36 RDMO WO rig. Notify Foreman or Field Coordinator of completed workover operations. Return well to production team.

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