

Overview

Engineer: Jonathan Humphreys
 Field: SR
 Pad: RWF 342-33 Pad
 Well Name: RWF 41-33
 API: 05-045-15444

Proposed Procedure:

1. MIRU Service rig, spot all equipment, kill well
2. ND Production tree, NU BOP's, Pressure test BOP's to 300 psi low, 4,000 psi high
3. POOH 2-3/8" tbg while scanning/inspecting, leaving final 10-15 jts of tbg in hole for tail string
 - a. Wellhead blowing continuously once Alan pulled, possible leaking csg slips rather than parted csg
4. RIH with 4-1/2" TSBP and tail string using only YB tbg pulled from well. If necessary PUMU YB, WB, or new tbg
5. Set BP at +/-3,000' (TOC 2,891'), POOH SB tbg
6. PU pkr, RIH to isolate depth of csg leak, POOH SB tbg
7. If csg leak is above surface csg shoe:
 - a. Mechanically cut casing +/-20' below leak depth if necessary to allow un-landing csg slips
 - b. POOH LD damaged csg
 - c. RIH w/ overshot and LHWS and latch onto production csg
 - d. Manually backoff production casing with string shot appx 1+ jt below damaged csg
 - e. POOH with casing and lay down
 - f. RIH with new casing and screw back into existing casing, fully torque (+/-2,650 ft-lbs)
 - g. Pull test +/-65k. Land in minimum tension (+/-55k)
 - h. Pressure test csg
8. If csg leak is below surface csg shoe:
 - a. RIH set RBP 100' below csg leak, dump bail sand on top of RBP
 - b. RIH w/ tbg to 50' below csg leak; establish circulation down production csg and up surface csg
 - c. Pump 50 sks cmt to balance from 50' below to 100' above csg leak inside/outside 4-1/2" 11.6# csg
 - d. PU tbg to 100' above csg leak and circulate hole clean
 - e. RIH w/ bit and drill out 150' cement plug from inside 4-1/2" csg
 - f. Pressure test csg
 - g. RIH to retrieve top RBP, washing sand and circulating hole clean prior to latching up
9. RIH and retrieve lower RBP; POOH entire string, visually inspect tbg and tally
10. RIH with production tubing while HYDROTESTING, make light tag on fill
 - a. Note – Run lower grade pipe on bottom of string. Clearly notate within daily operation activity details the makeup of the string (grade, color, depths)
11. POOH to land depth +/-7,476' (+/-150' above tag). Pump tbg volume if tagged to clear tbg; Hydrotest hanger connection
12. RDMO Service Unit and cleanup location