

Reynolds 3-24 P&A

1. Call foreman or Lead Operator before rig up to isolate and remove automation and production equipment. Install fence if needed.
2. Provide notice to COGCC prior to MIRU per Form 6 COA.
3. Gyro survey is not needed (Gyro survey run on 4/19/2012)
4. Notify CDC when rig moves on location to generate work order for flowline removal and one call for line locates.
5. Place cement services on will call when rig moves on location, providing expected volumes of cement needed. (40 sx plug #1; 90 sx plug #2)
6. MIRU WO rig. MI 15 jts 2 3/8" 4.7# J-55 workstring for replacement.
7. Kill well, as necessary, with water containing biocide. ND wellhead. NU BOP's. Unseat landing joint and lay down.
8. TOOH w/ 2-3/8" tbg.
9. TIH w/ 2-3/8" tbg, while hydrotesting to 3000 psi, to 4700'.
10. MIRU cementing services. Mix and Pump 40 sx of 1:2:4 'Poz:III:Gel' w/ 3% (BWOW) KCL, 1% SMS, 0.4% CR-4, 0.2% SPC-2, 2 lb/sk PS Flake (yield 1.93 ft³/sx, 12.5 ppg), spotting the plug from 4701' to 3917'.
11. PUH 30 jts (~930') to 3800' and circulate hole with at least 9 ppg mud to remove any cement. RDMO cementing services. WOC 4 hrs or overnight.
12. TIH and tag top of cement plug. NOTE: DEPTH OF PLUG IN OPENWELLS. If plug top is above 3900', TOOH and stand back 1100' tbg, lay down remaining tbg.
13. MIRU wireline services.
14. Shoot off casing at 910'. RDMO wireline services.
15. NDBOP. NDTH. Unland casing from slips.
16. NU BOP on casing head. Install 4-1/2" pipe rams.
17. TOOH with 4-1/2" casing and lay down.
18. PU 2-3/8" tbg and TIH into casing stub to 1010'.
19. MIRU cementing services. Mix and pump 90 sx of Type III cement w/ 0.2% SPC-2, from 1010' to 550' (yield 1.46 ft³/sx, 14.2 ppg). Displace cement. RDMO cementing services. TOOH and stand back 150' of tubing, lay down remaining tubing. WOC 4 hrs or overnight.
20. TIH and tag cement plug, NOTE: DEPTH OF PLUG IN OPENWELLS. If plug top is above 575' TOOH and lay down tubing.
21. MIRU wireline services. PU 8-5/8" CIBP and RIH to 100'. Set CIBP and POOH. Pressure test CIBP to 1000 psi for 15 minutes. RDMO wireline services.
22. Assuming CIBP tests, RDMO
23. Wellsite supervisor turn all paper copies of cementing reports/invoices and logs in to Sabrina Frantz. NOTE: During the job, wellsite supervisor should instruct the logging and cementing contractors to e-mail all logs, job reports/invoices to Sabrina Frantz.
24. Have excavation contractor notify One-Call to clear for digging around wellhead and flowline removal.

25. Check top of cement inside 4 ½" surface casing, place redi-mix cementer on will call. (31 sx)
26. Excavate hole around surface casing of sufficient size and depth to allow welder to cut off 8-5/8" surface casing and at least 5' below ground level.
27. Have welder cut off 8-5/8" surface casing at least 5' below ground level.
28. MIRU ready cement mixer. Use 4,500 psi compressive strength redi-mix cement (sand and cement only, no gravel) to finish filling surface casing and production casing to top of cut off.
29. Have welder spot weld steel marker plate on top of surface casing. (Note: marker shall be labeled with well name and number, legal location (¼ ¼ description) and API number.
30. Properly abandon flowlines as per Rule 1103.
31. Have excavation contractor back fill hole with native material. Clean up location and have leveled to plant any vegetation required.
32. Submit Form 6 to COGCC. Provide "As Plugged" wellbore diagram identifying the specific plugging completed.