Reed, W Douglas GU 1 (73780)

P&A

1. Call Foreman or Lead Operator at least 24 hr prior to rig move. Request that they remove plunger, isolate production equipment and remove any automation equipment prior to the rig showing up. Install perimeter fence as needed.

2. Provide 24 hr notice of MIRU to COGCC as specified on approved Form 6.

3. Notify CDC when rig moves on location to generate workorder for flowline removal and one call for line locates.

4. Prepare location for base beam rig to move onto.

5. MIRU WO rig. Kill well, as necessary with water containing biocide. ND WH NU BOP.

6. Unseat and LD landing joint.

7. PU w/ 2-3/8" tbg (4.7#, J-55) to break any sand bridges. Do not exceed safety tensile load of 57,384 lbs (80% of upset yield strength). TOOH and SB 2-3/8" tbg.

8. PU and RIH w/ scraper on 2-3/8" tbg for 4.5" prod csg to ±8,070' (about 260 jts). TOOH and SB tbg. LD scraper.

9. MIRU Slickline. PU and RIH CBL w/ CCL to 8,230' (end of csg) or wherever bottom is tagged at. Notify engineer of results. POOH and LD tools.

10. PU and RIH gyro to 8,230' or wherever bottom is tagged at. POOH and LD gyro.

11. PU, RIH, and set CIBP to ±8,030' (259 jts) for 4.5" prod. csg (11.6#). Pressure test CIBP to 1000 psi for 15 min. TIH bailer w/ 2 sx of cement on top of CIBP. POOH bailer.

12. RDMO Slickline.

13. TIH with 2-3/8" tbg to 7,900' (255 jts). Circulate out gas for 25 min.

14. MIRU cementing services.

15. Spot 45 sx of cement 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 cuft/sk from 7,580' – 6,850'.

16. TOOH w/ 2-3/8" tbg to ± 6,400' (about 20 jts). Circulate to clean tbg and fill hole w/ 9.0 ppg mud. Let cement set for 4 hrs or overnight.

17. Tag cement with tbg (about 6,850', 221 jts)

18. TOOH and SB 2-3/8" tbg.

19. MIRU E-Line. PU and RIH perf gun to 5,400'. Perf csg. POOH perf gun. RDMO E-Line.

20. PU, RIH, and set CICR on 2-3/8" tbg to ±4,750' (about 153 jts).

21. Circulate with 100 bbl of mud to condition hole. If there is no circulation contact the engineer.

22. Spot 380 sx of cement Class G w/ 0.4% CD-32, 0.4% ASA-301 mixed at 15.8 ppg and 1.15 cuft/sk through CICR.

23. Sting out of CICR and TOOH to ± 3,500' (40 jts). Circulate to clean tbg. TOOH and SB 1,200' (39 jts) of tbg. LD remainder.

24. MIRU E-Line. Crack prod csg coupler at 1,080' (27 jts of csg). POOH and LD csg. Do not exceed 130,000 lbs (80% of max yield strength). RDMO E-Line.

25. TIH to 1,200' (40 jts) and spot 565 sx of cement type III w/ cello flake and $CaCl_2$ as deemed necessary from 1,200' to 100'. Let cement set for 4 hrs or overnight.

26. TIH w/ 2-3/8" tbg and tag TOC (about 100', 3 jts)

27. TOOH and LD 2-3/8 tbg.

28. MIRU Slickline. TIH and set CIBP at 50' for 8-5/8" csg. Pressure test CIBP to 1000 psi for 15 min. RDMO Slickline. If CIBP does not hold, contact Evans engineer and do not RDMO WO rig.

29. RDMO WO rig.

30. Wellsite supervisor should turn all paper copies of cementing reports/invoices and logs into Sabrina Frantz.

31. NOTE: During the job, wellsite supervisor should instruct the logging and cementing contractors to e-mail all logs, job reports/invoices to Sabrina Frantz.

32. Have excavation contractor notify One-Call to clear for digging around wellhead and flowline removal.

33. MIRU ready cement mixer. Fill the last 50' inside the 4-1/2" prod. casing until 10' below surface. Use 4,500 psi compressive strength redi-mix cement (Sand and Cement only, no gravel) to finish filling surface casing to top of cut off.

34. Check top of cement inside 8-5/8" surface casing at least 5' below ground level.

35. Have welder spot weld on steel marker plate. (Note: marker shall be labeled with well name and number, legal location (¼ ¼ description) and API number.

36. Properly abandon flowlines as per rule 1103.

37. Have excavation contractor back fill hole with native material. Clean up location and have leveled to plant any vegetation required.

38. Submit Form 6 to COGCC. Provide "As Plugged" wellbore diagram identifying the specific plugging completed.