

Randi 9-16A P&A (74455)

1. Call foreman or Lead Operator before rig up to isolate and remove automation and production equipment. Install fence if needed.
2. MIRU slickline services & VES. Pull bumper spring, tag bottom and run Gyro stopping every 100' from 8000'. (Gyro ordered 11/21/13) Forward survey data and invoices to Sabrina Frantz.

RDMO SL.
3. Provide notice to COGCC prior to MIRU per Form 6 COA.
4. Notify IOC when rig moves on location to generate work order for flowline removal and one call for line locates.
5. Prepare location for base beam rig.
6. MIRU WO rig. Kill well; circulate as necessary, with water containing biocide. ND wellhead. NU BOP's. Unseat landing joint and lay down.
7. Place cement services on will call when rig moves on location, providing expected volumes of cement needed. (~260sx for top plug; ~70 sx for Sx/Sh plug and 30 sx for NB/CD plug).
8. TOOH and stand back 2-3/8" TBG.
9. MIRU wireline services. RIH gauge ring for 4-1/2" casing to 7950'
10. PU 4-1/2" CIBP and RIH to 7940', set CIBP. Note: PT CIBP to 1000 psi
11. Dump bail 2 sacks of cement on top of CIBP at 7940'.
12. PU 4-1/2" CIBP and RIH on wireline to 7260'. Set CIBP. PT CIBP to 1000 psi
13. RIH on 2-3/8" TBG to 7260'.
14. Initiate circulation using water containing biocide. Note rate and pressure.

15. MIRU cementing services. Pump 30 sx of 50/50 Poz Class "G" cement with 20% silica flour, 3.0% gel, 0.4% ASA – 301 & R-3; 0.4% CD-52 mixed at 15.8 ppg and 1.38 cuft/sk yield to achieve a 2:30 pump time. Underdisplace by 3 BBL.
16. PUH 6 stands. Circulate (TBG Vol + Excess) to CLR TBG. RD cementing services
17. Load hole and circulate with 9.0 ppg mud containing biocide.
18. TOO H w/ 2130' of TBG. LD remainder.
19. RU cementing services. Preflush with 5 bbl H₂O, 20 bbl of sodium metasilicate, 5 bbl H₂O.
20. Spot 70 sx of Class "G" cement with ¼ #/sx cello-flake, 0.4% CD-32 and 0.4% ASA-301 with 1.15 cuft./sk yield..
21. PUH 6 stands. Circulate 9.0 ppg mud with biocide to CLR TBG.
22. P&SB 1445' TBG, LD remainder. RD cementing services.
23. RU wireline services. Crack closest coupling at 1345' or shoot off. RD wireline.
24. Circulate with mud w/ biocide.
25. NDBOP, NDTH.
26. NU BOP on casing head. Install 4-1/2" pipe rams.
27. TOO H with 4-1/2" casing and lay down.
28. RIH with 2-3/8" TBG into casing stub to 1445'.
29. RU Cementing services. Spot 260 sx (Open Hole diameter from caliper of 9" with 20% excess) of Type III cement from 1445' to 570' (Mixed at 14.0 ppg and 1.53 cuft/sk). PUH & circulate 9.0 PPG mud w/ biocide to clear TBG. TOO H. WOC 4 hrs
30. TIH and tag cement plug. If plug top is below 570', top as necessary.
31. MIRU wireline services. PU 8-5/8" CIBP and RIH to 100'. Set CIBP. Pressure test CIBP to 1000 psi for 15 minutes. If plug tests, RDMO wireline and WO rig.

32. 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.
33. Have excavation contractor notify One-Call to clear for excavating around wellhead and flowline removal.
34. 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.
35. Have welder cut off 8-5/8" surface casing at least 5' below ground level.
36. MIRU ready cement mixer. Use 4,500 psi compressive strength redi-mix cement (sand and cement only, no gravel) Fill STUB. RDMO cement services.
37. 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.
38. Properly abandon flowlines as per Rule 1103.
39. Have excavation contractor back fill hole with native material. Clean up location and have leveled.
40. Submit Form 6 to COGCC. Provide "As Plugged" wellbore diagram identifying the specific plugging completed.