

Upr 53 pan am "J" #1

1. Provide 24 hour notice of MIRU to Randy Edelen via e-mail at randy.edelen@state.co.us
2. Call foreman or Lead Operator before rig up to isolate production equipment. Install fence if needed.
3. No gyro needed, last gyro ran 10/31/2011
4. MIRU WO rig and 12 jts of 2-3/8" tbg to tag cement.
5. Kill well, as necessary, with at least 9 ppg mud w/ biocide. ND wellhead. NU BOP's. Unseat landing joint and lay down.
6. Place cement services on will call when rig moves on location, providing expected volumes of cement needed. (~765 sx plug #1; ~255 sx plug #2)
7. PU 2-3/8" tbg. RIH and tag cement. NOTE: DEPTH OF CEMENT PLUG TOP IN OPENWELLS. (Expected at ~ 6255') If cement is below 6280' MIRU cementing services and pump cement to 6280'. PUH 5' and circulate with 100 bbl of at least 9 ppg mud w/ biocide to fill hole. TOOH and stand back tbg.
8. MIRU wireline services. Run CBL from 900' to surface to confirm cement over Fox Hills, notify engineer of cement coverage and change procedure accordingly if needed.
9. PU 4-1/2" gauge ring and RIH to 4085' to confirm no restrictions. POOH.
10. PU perf gun loaded with 1' of 3 spf, 0.38" EHD, 33.65" penetration, 120 degree phasing, and 1' of 3 spf, 0.6" EHD, 7" penetration, 120 phasing. RIH to 5355' and shoot 1' of the 0.38" EHD stage squeeze.
11. PUH to 4045' and shoot 1' of the 0.6" stage squeeze holes. POOH. RDMO wireline services.
12. PU 2-3/8" tbg w/ CICR. TIH hydrotesting to 3000 psi and set CICR @ 4075'. MIRU cementing services. Preflush through CICR with 5 bbl H2O, 20 bbl of sodium metasilicate, 5 bbl H2O.
13. Mix and Pump 765 sx of Class "G" cement with ¼ #/sx cello-flake through CICR (yield 1.16 ft³/sx, ~158 bbl). Displace w/ 12.5 bbl (underdisplacement of 3bbl leaving on top of CICR).
14. PUH 7 jts (~220') and reverse circulate hole with 30 bbl of at least 9 ppg mud w/ biocide to remove any cement. TOOH and stand back tbg.
15. MIRU wireline services. PU 4-1/2" CIBP and RIH to 450'. Set CIBP. POOH.
16. PU perf gun loaded with 1' of 3 spf, 0.6" EHD, 7" penetration, 120 phasing. RIH and shoot gun above TOC (~400')
17. Establish circulation down 8 5/8" csg & up 4 ½" csg.
18. Mix and pump 255 sx of class "G" neat cement down 8-5/8" casing reverse circulating up 4-1/2" casing to surface (yield 1.15 ft³/sx, ~52 bbl). RDMO cementing services.
19. WOC overnight. If cement is within 50' of surface then RDMO WO rig.
20. Wellsite supervisor turn all paper copies of cementing reports/invoices and logs in to the APC engineer who wrote the prog. NOTE: During the job, wellsite supervisor should instruct the logging and cementing contractors to e-mail all logs, job reports/invoices to the APC engineer who wrote the prog.
21. Have excavation contractor notify One-Call to clear for digging around wellhead and flowline removal.

22. Check top of cement inside 8-5/8" surface casing and 4-1/2" production casing. If cement is not of sufficient height (less than 25' below ground level), place redi-mix cementer on will call.
23. Excavate hole around surface casing of sufficient size and depth to allow welder to cut off 8-5/8" surface casing and 4-1/2" production casing at least 5' below ground level.
24. Have welder cut off 8-5/8" surface casing and 4-1/2" production casing at least 5' below ground level.
25. 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.
26. Have welder weld on steel marker plate. (Note: marker shall be labeled with well name and number, legal location (¼ ¼ description) and API number.
27. Properly abandon flowlines as per Rule 1103.
28. Have excavation contractor back fill hole with native material. Clean up location and have leveled to plant any vegetation required.
29. Submit Form 6 to COGCC. Provide "As Plugged" wellbore diagram identifying the specific plugging completed.

The Upr 53 Pan Am "J" #1 has recently been safety prepped, decision has been made to complete P&A process instead of un-prepping the well and returning it to production.

- CIBP @ 7475' set 1/14/2003. Fill tagged at 7375' 10/22/2012
- CIBP @ 6820' w/ 2 sx of cement on 10/23/2012
- Squeeze holes at 6540' and 6330' with CICR @ 6380' set on 10/23/2012
- 60 sx of class "G" cement w/ 0.2% R-3, ¼#/sx cello flake, and 35% silica flour pumped through CICR with 2 bbl left on top of CICR on 10/24/2012 decision