

## UPRR 42 Pan Am GU AL True #1 (73791)

## P&amp;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 w/ water containing biocide. ND WH, NU BOP.
6. Unseat and LD landing joint.
7. PU w/ 2-3/8" tbg (4.7#, J-55, 8RD EUE) to break any sand bridges. Do not exceed the 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 5.5" (15.5#, J-55) prod csg to 8,150' (+/- 268 jts). TOOH and SB tbg. LD scraper.
9. PU, RIH, and set CIBP to +/- 8,100' for 5.5" 15.5# J-55 prod csg on 2-3/8" tbg (+/- 266 jts). Pressure test CIBP to 1000 psi for 15 min. TIH bailer w/ 2 sx of cement and spot on top of CIBP. POOH bailer.
10. PU, RIH, and set CIBP to +/- 7,660' for 5.5" 15.5# J-55 prod csg. Pressure test CIBP to 1000 psi for 15 min. RDMO Slickline.
11. TIH 2-3/8" tbg and tag CIBP +/- 7,660' (+/- 244 jts). Spot 80 sx of Class G cement 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 +/- 7,660' to 7,000'.

12. TOOH w/ 2-3/8" tbg to +/- 6,500' (16 jts) and circulate to clean tbg and fill hole w/ 9.0 ppg mud. Let cement set for 4 hrs or overnight.
13. Tag TOC w/ tbg at +/- 7,000'.
14. TOOH to +/- 5,300'. Spot 90 sx of Class G cement w/ 0.4% CD-32, 0.4% ASA-301 mixed at 15.8 ppg and 1.15 cuft/sk from +/- 5,300' to +/- 4,550'.
15. TOOH w/ 2-3/8" tbg to +/- 4,000' and circulate to clean tbg. TOOH and SB 150 jts of tbg and LD remainder. Let cement set for 4 hrs or overnight.
16. MIRU E-Line. PU and RIH w/ perf gun. Tag TOC (+/- 4,525') and pull PUH 2 feet. Perf prod csg (3 spf, "Big Hole" 0.6" EHD, 7" penetration, 120° phasing, 1' net, 3 total holes) . POOH perf gun.
17. Establish circulation through prod csg up the backside w/ water treated w/ biocide. Circulate for 30 min. If circulation cannot be established contact Engineer in Evans for change to procedure.
18. RDMO E-Line.
19. PU CICR on 2-3/8" tbg and TIH to +/- 4,490' (or about 10' above perms, check log to make sure it is not set in csg collars). Set CICR and pump 430 sx of Class G cement w/ 0.25 pps cello flake, 0.4% CD-32, 0.4% ASA-301 mixed at 15.8 ppg and 1.15 cuft/sk from +/- 4,490 to 3,615'. Displace w/ water about 17 bbls of water so when stinging out of CICR +/- 20' of cement is dumped on top of CICR.
20. Sting out of CICR and dump remaining cement on CICR.
21. POH to 3,800' and circulate to clean tbg.
22. POOH tbg and SB 42 jts, LD remainder.
23. MIRU Slickline. Cut prod csg w/ jet cutter at +/- 1,075' and POOH. RDMO Slickline

24. TIH w/ 2-3/8" tbg to 1,175' and spot 115 sx of type III cement w/ cello flake and CaCl<sub>2</sub> as deemed necessary from 1,175' to 775'. PUH to 500' and circulate to clean tbg.
25. Let cement set for 4 hrs or overnight.
26. Tag TOC w/ 2-3/8" tbg, if not above 775', contact Engineer in Evans. SB 4 jts of tbg and LD remainder.
27. PU CIBP for 9-5/8" 36# J-55 csg w/ 2-3/8" tbg. RIH and set CIBP at +/- 100'. Pressure test to 1000# for 15 min.
28. POOH 2-3/8" tbg.
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.