

Upr 50 Pan Am "I" True #2

1. Provide 48 hour notice of MIRU to COGCC per approved Form 6.
2. Call foreman or Lead Operator before rig up to isolate production equipment. Install fence if needed.
3. Gyro survey ran in 1/2012, not necessary to run another gyro survey.
4. Kill well, as necessary, with water containing biocide. ND wellhead. NU BOP's. Unseat landing joint and lay down.
5. Place cement services on will call when rig moves on location, providing expected volumes of cement needed. (~40 sx plug #1; ~140 sx plug #2; ~225 sx plug #3)
6. MIRU WO rig. MI 10 jts 2 3/8" 4.7# J-55 workstring.
7. TOOH and stand back 2-3/8" tbg.
8. PU and TIH with casing scraper & bit for 5.5" casing. Scrape casing to ~7200'. Circulate hole clean and with water containing biocide. TOOH and lay down scraper and bit and stand back tubing.
9. RIH and dump bail 2 sx of cement on top of existing CIBP @ 7580' (12' sand fill on top of CIBP). TOOH and stand back 7200' tbg.
10. RIH w/ 5-1/2" CIBP and set @ 7160'. POOH. MIRU cementing services. Mix and Pump 40 sx of Class "G" w/ 20% silica flour, 0.4% CD-32, 0.4% ASA-301 and R-3 to achieve 2:30 pump time (yield 1.38 ft3/sx, 15.8 ppg) setting balanced plug from CIBP to 6740'. RDMO cementing services.
11. PUH 21 jts (~660') to 6500' and circulate hole with at least 9 ppg mud w/ biocide to fill hole and remove any cement. PUH to 5770', lay down remaining tubing.
12. MIRU cementing services. Preflush with 5 bbl H2O, 20 bbl of sodium metasilicate, 5 bbl H2O.
13. Mix and Pump 140 sx of Class "G" cement with ¼ #/sx cello-flake, 0.4% CD-32 and 0.4% ASA-301 (yield 1.15 ft3/sx, 15.8 ppg), spotting the plug from 5560' to 4392'.
14. PUH 38 jts (~1200') to 4200' laying down tubing and circulate hole with at least 9 ppg mud to remove any cement. RDMO cementing services. TOOH and stand back 4360' of tbg, lay down remaining tubing.
15. RIH w/ 5- ½" CIBP and set @ 4360'.
16. PUH and dump bail 2 sx of cement on top of CIBP @ 4360'. TOOH and stand back 1700' of tbg, lay down remaining tbg.
17. MIRU slickline services. Shoot off casing at 1554'. RDMO wireline services.
18. NDBOP NDTH. Unland casing from slips.
19. NU BOP on casing head. Install 5-1/2" pipe rams.
20. PU casing and conventionally circulate 200 bbl of mud. If circulation cannot be established contact engineer and COGCC for change in procedure.
21. TOOH with 5-1/2" casing and lay down.
22. PU 2-3/8" tbg and TIH into casing stub to 1654'.
23. MIRU cementing services. Mix and pump 225 sx of Type III cement from 1654' to 450' (yield 1.53 ft3/sx, 14.0 ppg). Displace cement. PUH to 100' and circulate 10 bbl of mud to remove any

cement. RDMO cementing services. TOOH and stand back 525' of tubing, lay down remaining tubing. WOC 4 hrs or overnight.

24. TIH and tag cement plug, NOTE: DEPTH OF PLUG IN OPENWELLS. If plug top is above 500' TOOH and lay down tubing.
25. MIRU wireline services. PU 9-5/8" CIBP and RIH to 100'. Set CIBP and POOH. Pressure test CIBP to 1000 psi for 15 minutes. RDMO wireline services.
26. Assuming CIBP tests, RDMO
27. 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.
28. Have excavation contractor notify One-Call to clear for digging around wellhead and flowline removal.
29. Check top of cement inside 9-5/8" surface casing, place redi-mix cementer on will call. (7.5 bbl)
30. Excavate hole around surface casing of sufficient size and depth to allow welder to cut off 9-5/8" surface casing and at least 5' below ground level.
31. Have welder cut off 9-5/8" surface casing at least 5' below ground level.
32. 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.
33. 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.
34. Properly abandon flowlines as per Rule 1103.
35. Have excavation contractor back fill hole with native material. Clean up location and have leveled to plant any vegetation required.
36. Submit Form 6 to COGCC. Provide "As Plugged" wellbore diagram identifying the specific plugging completed.