

Champlin 078 Amoco "E" #1

1. MIRU slickline services. Pull bumper spring and tag for fill, leave tools out of well.
2. Run gyro survey from 7560' to surface. RDMO slickline services.
3. Provide notice to COGCC prior to MIRU per Form 6 COA.
4. Call foreman or Lead Operator before rig up to isolate and remove automation and production equipment. Install fence if needed.
5. Notify CDC when rig moves on location to generate work order for flowline removal and one call for line locates.
6. Place cement services on will call when rig moves on location, providing expected volumes of cement needed. (~75 sx plug #1; ~650 sx plug #2; ~210 sx plug #3)
7. MIRU WO rig. Confirm with Openwells that Gyro survey has been completed. If no gyro event in OpenWells contact APC Engineer.
8. Kill well, as necessary, with water containing biocide. ND wellhead. NU BOP's. Unseat landing joint and lay down.
9. TOOH and stand back 2-3/8" tbg.
10. PU and TIH with casing scraper & bit for 5-1/2" casing. Scrape casing to ~7810'. Circulate hole clean. TOOH and lay down scraper and bit and stand back tubing.
11. MIRU wireline services. PU 5-1/2" CIBP and RIH to 7800', set CIBP. POOH.
12. PU cement bailer. RIH and dump bail 2 sx of cement on top of CIBP. POOH
13. PU 5-1/2" CIBP and RIH to 7370', set CIBP. POOH
14. Pressure test CIBP to 1500 psi for 15 minutes.
15. RDMO wireline services.
16. PU 2-3/8" tbg. TIH hydrotesting to 3000 psi to CIBP @ 7370'.
17. MIRU cementing services. Mix and Pump 75 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, ~18 bbl slurry). Place balanced plug from 7370'-6617'. RDMO cementing services
18. PUH 30 jts (~945') to 6425' and circulate hole with at least 9 ppg mud w/ biocide to fill hole and remove any cement. TOOH and stand back 4550' of tbg, lay down remaining tubing.
19. MIRU wireline services. PU perf gun loaded with 2' of 3 spf, 0.6" EHD, 7" penetration, 120 phasing. RIH to 5628' and shoot 1' of perfs.
20. PUH to 4488' and shoot remaining 1' of perfs. POOH.
21. PU 5-1/2" CICR and RIH to 4550'. Set CICR. POOH. RDMO wireline services.
22. TIH w/ 2-3/8" tbg and sting into CICR @ 4550'. Establish circulation through CICR.
23. MIRU cementing services. Preflush with 5 bbl H₂O, 20 bbl of sodium metasilicate, 5 bbl H₂O.
24. Mix and Pump 650 sx (Assumed Open Hole diameter of 9" with 40% excess) of Class "G" cement with ¼ #/sx cello-flake, 0.4% CD-32 and 0.4% ASA-301 through CICR (yield 1.15 ft³/sx, 15.8 ppg, ~133 bbl slurry). Displace w/ mud leaving 3 bbl of cement on top of CICR.
25. PUH 94 jts (~2961') to 1589' laying down tubing and circulate hole with at least 9 ppg mud to remove any cement. RDMO cementing services. TOOH and stand back 1537' of tbg, lay down remaining tubing.

26. MIRU wireline services. Shoot off casing at 1437'. RDMO wireline services.
27. NDBOP NDTH. Unland casing from slips.
28. NU BOP on casing head. Install 5-1/2" pipe rams.
29. PU casing and conventionally circulate 200 bbl of mud. If circulation cannot be established contact engineer and COGCC for change in procedure.
30. TOO H with 5-1/2" casing and lay down.
31. PU 2-3/8" tbg and TIH into casing stub to to 1537'.
32. MIRU cementing services. Mix and pump 210 sx (Assumed Open Hole diameter of 9" with 40% excess) of Type III cement from 1537' to 800' (yield 1.53 ft³/sx, 15.8 ppg, ~57 bbl slurry). Displace cement. PUH to 100' and circulate 10 bbl of mud to remove any cement. RDMO cementing services. TOO H and stand back 800' of tubing, lay down remaining tubing. WOC 4 hrs or overnight.
33. TIH and tag cement plug, NOTE: DEPTH OF PLUG IN OPENWELLS. If plug top is above 800' TOO H and lay down tubing.
34. MIRU wireline services. PU 8-5/8" CIBP and RIH to 100'. Set CIBP and POOH. Pressure test CIBP to 1000 psi for 15 minutes. RDMO wireline services.
35. Assuming CIBP tests, RDMO
36. 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.
37. Have excavation contractor notify One-Call to clear for digging around wellhead and flowline removal.
38. Check top of cement inside 8-5/8" surface casing., place redi-mix cementer on will call. (6.5 bbl)
39. 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.
40. Have welder cut off 8-5/8" surface casing at least 5' below ground level.
41. 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.
42. 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.
43. Properly abandon flowlines as per Rule 1103.
44. Have excavation contractor back fill hole with native material. Clean up location and have leveled to plant any vegetation required.
45. Submit Form 6 to COGCC. Provide "As Plugged" wellbore diagram identifying the specific plugging completed.

Champlin 078 Amoco "E" #1 is a 1990 J-Sand; 1995 Codell completion. Hole in tubing, low production, and a waterway in the vicinity make this well a good P&A candidate.