KNOX 10-3 (HSR)

1. Gyro ran on 4/16/12 from 7000' to surface with stops every 100'.
2. Call Foreman or Lead Operator at least 24 hr prior to rig move. Request that they catch and remove plunger, isolate production equipment and remove any automation equipment prior to the rig showing up. Install perimeter fence as needed.
3. Provide notice of MIRU to COGCC field inspector as specified in approved Form 6.
4. Notify CDC when rig moves on location to generate workorder for flowline removal and one call for line locates.
5. Prepare location for base beam rig.
6. MIRU WO rig. Kill well using water and biocide. ND wellhead.NU BOP.
7. PUH w/ tbg to break any sand bridges, noting not to exceed the safety tensile load of 2-3/8", 4.7# tbg of 57,3847 lbs. (80% of upset joint yield strength).
8. TOOH with 2-3/8" tbg and stand back.
9. MIRU WL. RIH with Junk Basket/Gauge Ring on WL to ± 6750'. TOOH with Junk Basket/Gauge Ring.
10. PU and RIH with CIBP for 4-1/2", 11.6#, I-70 production casing. Set CIBP at 6746' (60' above CN perfs).POOH. Pressure test CIBP to 1000 psi for 15 min. MO WL.
11. TIH w/ tbg to set a balanced plug of 20 sx @ 5890'-6746'.Hydrotest tbg to 3000 psi while TIH. P&SB tbg.
12. MU WL. Run CBL from 5220' (200' below csg patch) to surface. If no cement behind production casing from 5000'-300' call Evans engineer for prog modification. (forward CBL to a.Leila.shahryari@anadarko.com). RDMO WL.
13. TIH with tbg open ended to land EOT 1370' (200' below base of Fox Hills).
14. MIRU cementer. Spot 30 sx (inside the 4-1/2" csg) of cement (Type III w/ CaCl2) from 1370' to at least 250' (inside the production csg) (plug from 1370'-250'). TOOH w/ tubing and stand back 250' tbg in derrick. RDMO Cementer.
15. WOC 4 hours or overnight.
16. TIH with tbg and tag cement plug. Record tagging plug in Openwells report. Lay down all tbg.
17. RU WL. Set 4-1/2" CIBP approximately top of cement top at 250'. Pressure test CIBP to 1000 psi for 15 min. (If CIBP does not hold contact Evans engineer and do not RDMO WO rig).
18. RDMO WO rig.
19. Wellsite supervisor turn all paper copies of cementing reports/invoices and logs in to Sabrina Frantz.
20. NOTE: During the job, wellsite supervisor should instruct the logging and cementing contractors to e-mail all logs, job reports/invoices to Sabrina Frantz.
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. 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 at least 5' below ground level.
24. Have welder cut off 8-5/8" surface casing at least 5' below ground level.
25. MIRU ready cement mixer. Fill the last 100' inside the 8-5/8" surface casing. 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.
26. 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.
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.