

## **PxA Procedure**

1. Hold pre-job safety meeting. Identify any safety concerns and discuss prior to beginning job.
2. MIRU pulling unit. Blow down well.
3. POOH w/ tubing and plunger.
4. MIRU wireline crew.
5. PU 10K CIBP and set @ 7200'.
6. RIH w/tubing. Spot cement plug on CIBP to 6450'.
7. Circulate hole full of 9 ppg mud (approx. 100 bbls).
8. POOH w/ tubing.
9. MIRU wireline unit. RIH w/ squeeze guns.
10. Shoot 4 squeeze holes @ 4320'. RIH w/tubing and cement retainer. Set cement retainer at 4270'.
11. Open bradenhead valve and establish rate. Squeeze Sussex with 50 sx (63' ft<sup>3</sup>) cement. Sting out of retainer and spot 50' cement plug on top of retainer.
12. POOH w/tubing.
13. RIH w/ squeeze guns. Shoot 4 squeeze holes @ 710'.
14. RDMO wireline crew.
15. Test injectivity. If able to circulate to surface, pump cement until cement at surface. If unable to circulate, pump 50 sx cement.
16. Spot cement from 710' to 500' and from 50' plug to surface.
17. If no communication in step 8, rig up on surface casing. Test for injectivity. If able to inject, pump 50 sx cement down surface annulus.
18. Cut off casing 4' below ground level and weld on plate. (NOTE: Follow OSHA trenching rules and shoring guidelines to cut casing).

## **Cement Detail:**

50/50 Pozmix cement  
Slurry volume: 1.26 ft<sup>3</sup> per sack  
Slurry weight: 14.15 lb per gal  
Compressive strength: 815 psi in 24 hrs, 1460 psi in 72 hrs.