



Ruhl 1-32

Fox Hills Remediation

January 26, 2015

DRAFT

Engineer: Scott Reed
Workover Coordinator: Mark Balderston/Butch Till
Production Group Lead: Andrew Berhost
DJ Team Lead: Jessica Cavens

Attachments:

Attachment 1 – Wellbore Diagram

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Safety

Safety meetings are to be held with all service company personnel prior to each job. Wellsite supervisor must notify contractors as to known hazards of which the contractors may be unaware. Well site supervisor must ensure that all workers are aware of their responsibilities and duties under the EH&S guidelines. All safety meetings will be recorded on the Encana daily completion reports in Wellview.

Regulations

All verbal notifications and approval from government regulatory agencies will be recorded on the Encana daily report. The name of the individual contacted and the subject matter of approval or notification will be recorded.

Reason for Work

Offset for ECA Ruhl Pad

Additional COGCC COAs**COGCC Rule 317.i**

Production casing cementing. The operator shall ensure that all cement required under this rule placed behind production casing shall be of adequate quality to achieve a minimum compressive strength of at least three hundred (300) psi after twenty-four (24) hours and eight hundred (800) psi after seventy-two (72) hours measured at ninety-five degrees fahrenheit (95 °F) and at eight hundred (800) psi. After thorough circulation of a wellbore, cement shall be pumped behind the production casing (200) feet above the top of the shallowest known producing horizon. **All fresh water aquifers which are exposed below the surface casing shall be cemented behind the production casing. All such cementing around an aquifer shall consist of a continuous cement column extending from at least fifty (50) feet below the bottom of the fresh water aquifer which is being protected to at least fifty (50) feet above the top of said fresh water aquifer.**

Cement placed behind the production casing shall be allowed to set seventy-two (72) hours, or until eight hundred (800) psi calculated compressive strength is developed, whichever occurs first, prior to the undertaking of any completion operation.

Objective:

Pull tubing and lay down. Unland casing and pump annular fill, Run CBL, Drill out and Land tubing.

Procedure:

1. Hold a pre-job safety meeting. Discuss all aspects of the procedure with any involved personnel. Identify and address any safety concerns before the job begins.
2. MIRU pulling unit. Ensure well is dead (CIBP @ 7600’).
3. ND wellhead, NU BOP.
4. POOH with tubing. Replace joints as needed.
5. Un-land 4-1/2” production casing.
6. RIH down 4-1/2” by 8-5/8” annulus with 1-1/4” tubing to 1100’.
7. Establish circulation and pump 200 sxs of class G neat cement, taking returns up annulus to surface.
8. **Ensure that all cementing work complies with COGCC rule 317.i (listed on previous page).**
9. POOH and lay down 1-1/4” tubing. Top off cement as necessary.
10. Re-land 4-1/2” casing
11. Run CBL and log from 1500’ to surface.
12. RD E-line.
13. RIH with tubing and bit and drill up CIBP @ 7600’.
14. Pump off bit and land 2-3/8” tubing @ 7620’
15. ND BOP, NU 5K wellhead.
16. RDMO Workover rig.

Attachment #1 – Wellbore Diagram

