



## **Murata 1-19J**

Fox Hills Remediation

February 5, 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

Murata 1-19 DRAFT FH Remediation Workover 2015 02 05.docx

**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 APC Gee 1-24, Gee 17-24 pads

**Additional COGCC COAs****COGCC Rule 317.j**

**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 of at least eight hundred (800) psi after seventy-two (72) hours both measured at eight hundred (800) psi at either ninety-five degrees Fahrenheit (95 °F) or at the minimum expected downhole temperature. **After thorough circulation of a wellbore, cement shall be pumped behind the production casing (200) feet above the top of the shallowest uncovered 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. Un-land casing and pump annular fill, run CBL 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. If there is no gyro in the well file, RU wireline and run gyro from surface to EOT.
3. MIRU pulling unit. Kill well with produced water.
4. ND wellhead, NU BOP.
5. POOH with tubing. Replace joints as needed.
6. RIH and set RBP @ ~7800'. Dump 2 sx of sand on top
7. Un-land 4-1/2" production casing.
8. RIH down 4-1/2" by 8-5/8" annulus with 1-1/4" tubing to 700'.
9. Establish circulation and pump 150 sxs of class G neat cement, taking returns up annulus to surface.
10. **Ensure that all cementing work complies with COGCC rule 317.j (listed on previous page).**
11. POOH and lay down 1-1/4" tubing. WOC and tag. Top off cement as necessary.
12. Re-land 4-1/2" casing
13. Run CBL and log from 1500' to surface.
14. RD E-line.
15. RIH with tubing and circulate sand off of RBP @ 7900' and pull.
16. RIH and land 2-3/8" tubing @ 7820'.
17. ND BOP, NU 5K wellhead.
18. RDMO Workover rig.

