



## **Seltzer 43-34J**

Niobrara Remediation

May 26, 2015

# DRAFT

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

Attachments:

Attachment 1 – Wellbore Diagram

Seltzer 43-34J DRAFT Nio Remediation Workover 2015 05 26.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 GWOG Marcus 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. Set CIBP, Shoot Squeeze holes and Squeeze Niobrara, 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. Kill well with produced water.
3. ND wellhead, NU BOP.
4. POOH with tubing. Replace joints as needed.
5. RU E-line.
6. RIH and set CIBP @ ~7500'.
7. RIH and Shoot squeeze holes @ 7215'.
8. RIH and set CICR @ 6975'
9. RIH and sting into CICR.
10. Attempt to establish injection. **If unable to establish injection Call Production Engineer @ 720-261-2295 for path forward.**
11. Pump 200 sxs of class G cement.
12. **Ensure that all cementing work complies with COGCC rule 317.i (listed on previous page)**
13. POOH with work string.
14. Run CBL and log from top of CICR to surface.
15. RD E-line.
16. RIH with tubing and bit and drill up CICR and CIBP.
17. Pump off bit and land tubing @ 8183'
18. ND BOP, NU 5K wellhead.
19. RDMO Workover rig.