



Duell #1

Annular Fill / Surface Cement Remediation

January 14, 2014

Engineer:	Scott Reed
Workover Coordinator:	Butch Till
Production Group Lead:	Andrew Berhost
DJ Team Lead:	Eric Root

Attachments:

Attachment 1 – Wellbore Diagram

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

Cement remediation required for the Bonanza Creek Wetco Farms A-4 Pad

Additional COGCC COAs

Objective:

Pull tubing, Un-land 4.5" casing and RIH down 4-1/2" by 8-5/8" annulus with 1-1/4" tubing. Cement from 800' to Surface. Run CBL. Re-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 @ 7100'.
7. Unland 4-1/2" production casing.
8. RIH down 4-1/2" by 8-5/8" annulus with 1-1/4" tubing to 800'.
9. Establish circulation and pump 155 sxs of class G neat cement, taking returns up annulus to surface.
10. POOH and lay down 1-1/4" tubing.
11. Reland 4-1/2" casing
12. Run CBL and log from 1500' to surface.
13. RD E-line.
14. Consult with Engineer and Workover Coordinator on CBL results. If the cement coverage is adequate, TIH and drill out CIBP.
15. RIH and Hydrotest completion as follows:
 Seat nipple/EOT @ 7115'
 2-3/8 tubing to surface
16. ND BOP, NU wellhead.
17. RDMO Workover rig.

Attachment #1 – Wellbore Diagram

EnCana Oil & Gas (USA) Inc.	
Well : DUELL #1 Field : Wattenberg County : Weld County State : Colorado Surface : Lat: 40.3321110 Long: -104.4542690 : 660 FSL, 660 FEL NENE Sec 8 T4N R63W API # : 05-123-07156 Grd Elev : 4693' GR KB Elevation: 4704' KB	
<u>Log Tops:</u> Fox Hills Base 302' Sussex 4127' Niobrara 6386' Codell 6649' J Sand 7099'	<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">Well History: Spud 03/12/70 TD 03/23/70</div>
Surface Casing 8-5/8" Surface Casing set @ 143', cmt'd w/ 94 sx	
TOC @ 6230' CBL dated 12/17/13	
Production Casing 4-1/2" production casing set @ 7215'. Cmt w/ 200 sx	
Production Tubing 2-3/8" Tubing set @ 7115' 226 jts (08/19/2004)	
	J Sand Perfs 7126-7176' Frac'd with 62,000 gal SLF and 59,000# sand (4/4/70) TD 7216'
Drawn by: Scott Reed	Date: 12/04/2013