



02054623

FORM  
4  
Rev 12/05

Page 1

State of Colorado  
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



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NOV 04 2010

COGCC

Complete the Attachment  
Checklist

OP OGCC

1. OGCC Operator Number: 100185  
2. Name Of Operator: EnCana Oil & Gas (USA) Inc.  
3. Address: 370 17th Street, Suite 1700  
City: Denver State: CO Zip: 80202  
4. Contact Name: DEANNE SPECTOR  
Phone: 720-876-5826  
Fax: 720-876-6060  
5. API Number: 05045195510000 OGCC Facility ID Number: 12-1C1 (OIEB)  
6. Well/Facility Name: Twin Creek 12-1C1 (OIEB) 7. Well/Facility Number: 12-1C1 (OIEB)  
8. Location (Qtr/Qtr, Sec, Twp, Rng, Meridian): SWSE Sec 1 T7S - R92W 6th PM  
9. County: GARFIELD 10. Field Name: Mamm Creek  
11. Federal, Indian or State Lease Number:

Survey Plat	<input type="checkbox"/>
Directional Survey	<input type="checkbox"/>
Surface Eqmpt Diagram	<input type="checkbox"/>
Technical Info Page	<input checked="" type="checkbox"/>
Other	<input checked="" type="checkbox"/>

## General Notice

☐ CHANGE OF LOCATION: Attach New Survey Plat(a change of surface qtr/qtr is substantive and requires a new permit)  
FNL/FSL FEL/FWL

Change of Surface Footage from Exterior Section Lines:

Change of Surface Footage to Exterior Section Lines:

Change of Bottomhole Footage from Exterior Section Lines:

Change of Bottomhole Footage to Exterior Section Lines:

Bottom hole location Qtr/Qtr, Sec, Twp, Rng, Mer

Latitude Distance to nearest property line

Distance to nearest bldg, public rd, utility or RR

Longitude Distance to nearest lease line

Is location in a High Density Area (Rule 603b)? Yes/No

Ground Elevation Distance to nearest well same formation

Surface owner consultation date:

attach directional survey

## GPS DATA:

Date of Measurement

PDOP Reading

Instrument Operator's Name

## CHANGE SPACING UNIT

Formation

Formation Code

Spacing order number

Unit Acreage

Unit configuration

☐ Remove from surface bond

Signed surface use agreement attached

☐ CHANGE OF OPERATOR (prior to drilling):

Effective Date:

☐ CHANGE WELL NAME

From:

NUMBER

Plugging Bond: ☐ Blanket ☐ Individual

To:

Effective Date:

☐ ABANDONED LOCATION:Was location ever built? ☐ Yes ☐ NoIs site ready for inspection? ☐ Yes ☐ No

Date Ready for Inspection:

☐ NOTICE OF CONTINUED SHUT IN STATUS

Date well shut in or temporarily abandoned:

Has Production Equipment been removed from site? ☐ Yes ☐ No

MIT required if shut in longer than two years. Date of Last MIT

☐ SPUD DATE:☐ REQUEST FOR CONFIDENTIAL STATUS: (6 mos from date casing set)☐ SUBSEQUENT REPORT OF STAGE, SQUEEZE OR REMEDIAL CEMENT WORK

\*submit cbl and cement job summaries

Method used

Cementing tool setting/perf depth

Cement volume

Cement top

Cement bottom

Date

☐ RECLAMATION: Attach technical page describing final reclamation procedures per Rule 1004.

Final reclamation will commence on approximately

☐ Final reclamation is completed and site is ready for inspection.

## Technical Engineering/Environmental Notice

☒ Notice of Intent

Approximate Start Date:

11/4/2010

Report of Work Done

Date Work Completed:

Details of work must be described in full on Technical Information Page (Page 2 must be submitted.)

☐ Intent To Recomplete (submit form 2)☐ Request to Vent or Flare☐ E&P Waste Disposal☐ Change Drilling Plans☐ Repair Well☐ Beneficial Reuse of E&P Waste☐ Gross Interval Changed?☐ Rule 502 variance requested☐ Status Update/Change of Remediation Plans☒ Casing/Cementing Program Change☐ Other:☐ for spills and Releases

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct and complete.

Signed:

Date: 11/04/2010

Email: deanne.spector@encana.com

Print Name: DEANNE SPECTOR

Title: REGULATORY ANALYST

COGCC Approved:

Title: PE II

Date:

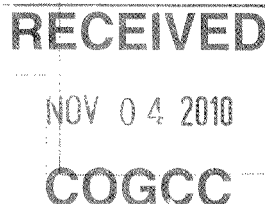
11/4/2010

CONDITIONS OF APPROVAL, IF ANY:

TECHNICAL INFORMATION PAGE



FOR OGCC USE ONLY



1. OGCC Operator Number: 100185 API Number: 05045195510000  
2. Name of Operator: EnCana Oil & Gas (USA) Inc. OGCC Facility ID #: 12-1C1 (O1EB)  
3. Well/Facility Name: Twin Creek 12-1C1 (O1EB) Well/Facility Number: 12-1C1 (O1EB)  
4. Location (QtrQtr, Sec, Twp, Rng, Meridian):

This form is to be completed whenever a Sundry Notice is submitted requiring detailed report of work to be performed or completed. This form shall be transmitted within 30 days of work completed as a "subsequent" report and must accompany Form 4, page 1.

5. DESCRIBE PROPOSED OR COMPLETED OPERATIONS

Encana intends to change the permitted cement job from a one stage, two slurry cementing procedure with TOC at 3,803' to a two stage design. The two stage design will pump a 13 ppg tail slurry throughout the entire annulus. We will have a designed TOC of 673' , which is 500' inside the casing shoe. The stage tool will be set at approximately 3,500' in the production casing string.

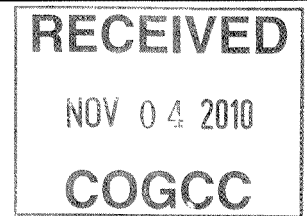
We will also perform a cement temperature log from the DV tool to surface, as that is as far as we can possibly log after a two stage cementing operation.

Attached is the applicable wellbore diagram and cement volumes.

**Andrews, David**

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**From:** Soehner, Gage A. [Gage.Soehner@encana.com]  
**Sent:** Thursday, November 04, 2010 3:35 PM  
**To:** Andrews, David  
**Cc:** Abell, Matt  
**Subject:** Twin Creek 12-1C1 (API 05-045-19551) - O1EB Pad - Cementing & Logging Change



David,

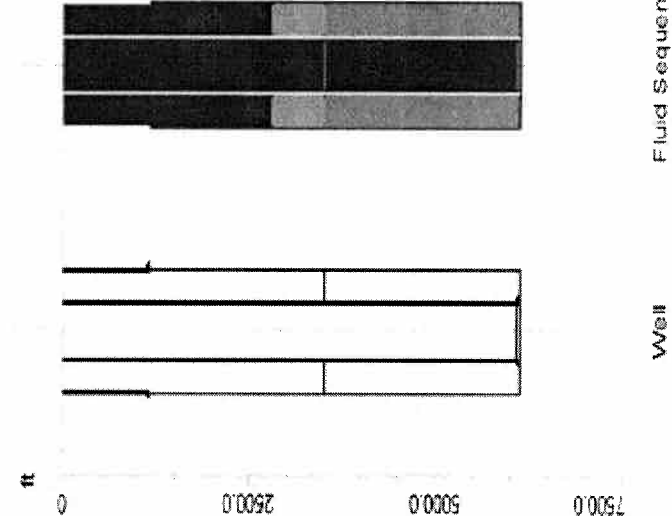
As we talked this morning, I have one of our permitting specialists submitting a sundry for the Twin Creek 12-1C1 on the O1EB pad. TOG is prog'd at 4280' MD. We are planning to run a Stage tool at 3,500'. We will pump a 1st stage cement job which will bring 13 ppg Tail Class G cement from TD (6,166' MD) to 3,500' MD. We then plan to open the stage tool and circulate drilling fluid for a minimum of 4 hrs which will allow the first stage cement to cure slightly. This is to prevent any loss of cement into a lost circulation zone when we pump the second stage. The second stage cement will be from 3,500' MD to 673' MD, which is 500' in the surface casing shoe. This will also be 13 ppg Tail Class G.

We then will run a temperature log 6 hrs later from the Stage tool (3,500') to surface. As I mentioned prior, a permitting specialist with EnCana is preparing & submitting the sundry.

Thanks,

Gage Soehner  
**Encana Oil & Gas**  
Drilling Engineer  
South Piceance  
720.876.3097  
720.951.0732 Cell

WELL DATA Stage 1



Well Data	
Job Type :	Multistage Cementing
Total Depth (Measured) :	6137.0 ft
True Vertical Depth (TVD) :	6137.0 ft
BHST (Tubular Bottom Static Temperature) :	165 degF
BHCT (Tubular Bottom Circulating Temperature) :	118 degF

Open Hole			
Mean Diameter without Excess	Bottom Depth	Annular Excess	
8.750 in	6137.0 ft	30.0 %	

Previous Casing				
OD	Weight	Grade	Thread	Inner Capacity
9 5/8 in	36.0 lb/ft	K-55	LTC	0.43 ft3/ft
				Bottom Depth
				1173.0 ft

Casing				
OD	Weight	Grade	Thread	Inner Capacity
4 1/2 in	11.6 lb/ft	N-80	LTC	0.09 ft3/ft
				Bottom Depth
				6137.0 ft

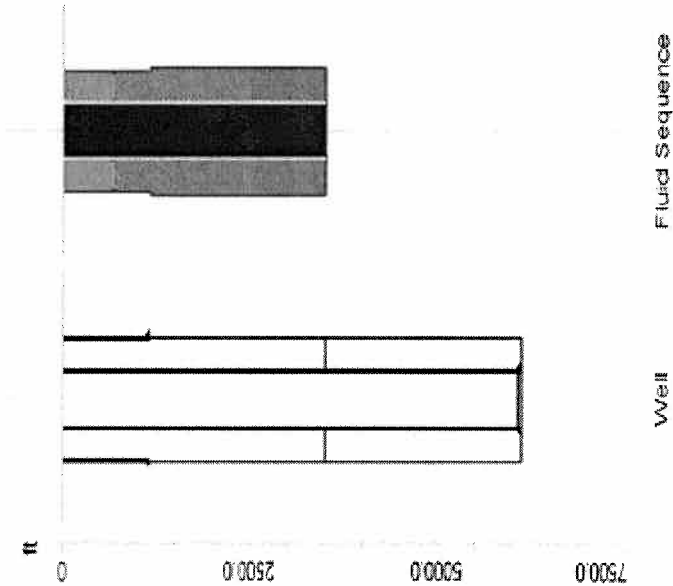
Annular Capacity (without Excess) : Casing Bottom / Open Hole : 0.31 ft3/ft  
Annular Capacity (without Excess) : Previous Casing Bottom / Casing : 0.32 ft3/ft

IMPORTANT:  
The well data shown on this stage is based on information available when this treatment program was prepared. This data must be confirmed on location with the wellsite supervisor prior to the treatment. Any changes in the well data need to be reviewed for their impact on the treatment design.

Fluid Placement			
Fluid Name	Volume bbl	Density lb/gal	Top of Fluid ft
MUDPUSH II	50.0	12.00	2796.9
13.0# Stage 1 Tail	188.2	13.00	3500.0
Water	40.0	8.32	3521.5
Mud	54.7	10.80	0.0

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WELL DATA Stage 2



IMPORTANT:  
The well data shown on this page is based on information available when this treatment program was prepared. This data must be confirmed on location with the wellsite supervisor prior to the treatment. Any changes in the well data need to be reviewed for their impact on the treatment design.

Fluid Placement			
Fluid Name	Volume bbl	Density lb/gal	Top of Fluid ft
MUDPUSH II	50.0	12.00	0.0
13.0# Stage 1 Tail	194.3	13.00	673.0
Water	54.4	8.32	0.0

Well Data			
Job Type :	Multistage Cementing		
Total Depth (Measured) :	6137.0 ft		
True Vertical Depth (TVD) :	6137.0 ft		
BHST (Tubular Bottom Static Temperature) :	128 degF		
BHCT (Tubular Bottom Circulating Temperature) :	-460 degF		

Open Hole			
Mean Diameter without Excess	Bottom Depth	Annular Excess	
8.750 in	6137.0 ft	30.0 %	

Stage Collar	
Measured Depth :	3500.0 ft

Previous Casing				
OD	Weight	Grade	Thread	Bottom Depth
9 5/8 in	36.0 lb/ft	K-55	LTC	1173.0 ft

Casing				
OD	Weight	Grade	Thread	Bottom Depth
4 1/2 in	11.6 lb/ft	N-80	LTC	6137.0 ft

Annular Capacity (without Excess) : Previous Casing Bottom / Casing : 0.32 ft3/ft

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