

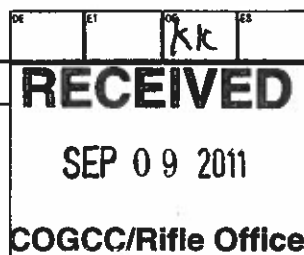
State of Colorado  
Oil and Gas Conservation Commission

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



## SUNDRY NOTICE

Submit original plus one copy. This form is to be used for general, technical and environmental sundry information. For proposed or completed operations, describe in full on Technical Information Page (Page 2 of this form.) Identify well or other facility by API Number or by OGCC Facility ID. Operator shall send an informational copy of all sundry notices for wells located in High Density Areas to the Local Government Designee (Rule 603b.)



1. OGCC Operator Number: 100185	4. Contact Name: Judith Walter	Complete the Attachment Checklist OP OGCC
2. Name of Operator: Encana Oil & Gas (USA) Inc.	Phone: 720.876.3702	
3. Address: 370 17th Street Suite 1700	Fax: 720.876.4702	
City: Denver State: CO Zip 80202		
5. API Number 05-045-06305-0000	OGCC Facility ID Number 322458	Survey Plat
6. Well/Facility Name: Cowperthwaite	7. Well/Facility Number 2-6 LW	Directional Survey
8. Location (Qtr/Qtr, Sec, Twp, Rng, Meridian): SWNW Sec 6, T8S, R97W		Surface Eqpm Diagram
9. County: Garfield	10. Field Name: Logan Wash	Technical Info Page X
11. Federal, Indian or State Lease Number: COC47646A Logan Wash PA		Other

## General Notice

<input type="checkbox"/> CHANGE OF LOCATION: Attach New Survey Plat (a change of surface qtr/qtr is substantive and requires a new permit)	
Change of Surface Footage from Exterior Section Lines:	<input type="checkbox"/> FNL/FSL <input type="checkbox"/> FEL/FWL
Change of Surface Footage to Exterior Section Lines:	<input type="checkbox"/> <input type="checkbox"/>
Change of Bottomhole Footage from Exterior Section Lines:	<input type="checkbox"/> <input type="checkbox"/>
Change of Bottomhole Footage to Exterior Section Lines:	<input type="checkbox"/> <input type="checkbox"/> attach directional survey
Bottomhole 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:
GPS DATA: Date of Measurement PDOP Reading Instrument Operator's Name	
<input type="checkbox"/> CHANGE SPACING UNIT	<input type="checkbox"/> Remove from surface bond
Formation Formation Code Spacing order number Unit Acreage Unit configuration	Signed surface use agreement attached
<input type="checkbox"/> CHANGE OF OPERATOR (prior to drilling): Effective Date: Plugging Bond: <input type="checkbox"/> Blanket <input type="checkbox"/> Individual	<input type="checkbox"/> CHANGE WELL NAME NUMBER From: To: Effective Date:
<input type="checkbox"/> ABANDONED LOCATION: Was location ever built? <input type="checkbox"/> Yes <input type="checkbox"/> No Is site ready for inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No Date Ready for inspection:	<input type="checkbox"/> NOTICE OF CONTINUED SHUT IN STATUS Date well shut in or temporarily abandoned: Has Production Equipment been removed from site? <input type="checkbox"/> Yes <input type="checkbox"/> No MIT required if shut in longer than two years. Date of last MIT
<input type="checkbox"/> SPUD DATE:	<input type="checkbox"/> REQUEST FOR CONFIDENTIAL STATUS (6 mos from date casing set)
<input type="checkbox"/> 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	
<input type="checkbox"/> 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

<input checked="" type="checkbox"/> Notice of Intent Approximate Start Date: As soon as approved	<input type="checkbox"/> Report of Work Done Date Work Completed:	
Details of work must be described in full on Technical Information Page (Page 2 must be submitted.)		
<input type="checkbox"/> Intent to Recomplete (submit form 2)	<input type="checkbox"/> Request to Vent or Flare	<input type="checkbox"/> E&P Waste Disposal
<input type="checkbox"/> Change Drilling Plans	<input checked="" type="checkbox"/> Repair Well	<input type="checkbox"/> Beneficial Reuse of E&P Waste
<input type="checkbox"/> Gross Interval Changed?	<input type="checkbox"/> Rule 502 variance requested	<input type="checkbox"/> Status Update/Change of Remediation Plans
<input type="checkbox"/> Casing/Cementing Program Change	<input checked="" type="checkbox"/> Other: Cement Squeeze Job	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: Judith Walter

Date: 09/09/2011 Email: judith.walter@encana.com

Print Name: Judith WalterTitle: Regulatory AnalystCOGCC Approved: Ken J. KijTitle: EIT IIIDate: SEP 12 2011

CONDITIONS OF APPROVAL, IF ANY:

TECHNICAL INFORMATION PAGE



RECEIVED

SEP 09 2011

OGCC/Rifle Office

1. OGCC Operator Number: 100185 API Number: 05-045-06305-0000
2. Name of Operator: Encana Oil & Gas (USA) Inc. OGCC Facility ID # 322458
3. Well/Facility Name: Cowperthwaite Well/Facility Number: 2-6 LW
4. Location (QtrQtr, Sec, Twp, Rng, Meridian): SWNW Sec 6, T8S, R97W

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

Kevin King granted a verbal approval to proceed with this Cement Squeeze, on 9/8/2011  
Per the procedure below.

**Cement Squeeze Procedure**

PBTD: RBP at 2292' with 2 sack of sand spotted on top. Estimated TOS 2285'

Elevation: 5,146 KB Corr: 10 ft.

Surface C: 8-5/8" @ 202'

Prod 4 1/2" OD, 10.5 lb/ft, K-55, set at 4,282 ft. Bridge Plug at 2820'

**RBP at 2292' with 2 sack of sand spotted on top. Estimated TOS 2285'**

Perfs to be squeezed: Hole in production casing in between 792-857'

Perfs to remain open: 2342 - 2362' (Mesaverde)

Established injection rate: 0.5 BPM @ 875 psi  
0.6 BPM @ 1050 psi

**Overview:**

A hole in the production casing was found in the interval of 792-857'. A hesitation squeeze will be performed to cement up the hole and return pressure integrity to the production casing.

**Procedure**

1. Pick up tension-set packer and RIH to 600' to squeeze the hole in the production casing.
2. Load the hole and establish an injection rate into the hole in the production casing. Record rate and pressure.
3. Squeeze the hole in the production casing with the following:
  - a. 2.0 bbls of Fresh Water Spacer
  - b. 10 bbls cement (50 sks of G + 1% CaCl + 0.3% Friction Reducer + Fluid Loss Additives per lab recommendation @ 15.8ppg)
  - c. Displacement
4. Displace below packer and hesitate as needed to squeeze
5. Release packer and reverse out maintaining positive squeeze pressure
6. POOH, RDMO.

**Engineer Contact Information:**

Mitch Steinke  
Field Completions Super  
2717 County Road 215, Suite 100  
Parachute, CO 81635  
970-285-2654

Scott Reed  
Production Engineer  
370 17th. Street, Suite 1700  
Denver, CO 80202  
720-876-3238