

State of Colorado
Oil and Gas Conservation Commission

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

DOCUMENT
#2229843

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.)

Received
7/19/2012 Rifle
COGCC
Rem 2111Complete the Attachment
Checklist

OP OGCC

1. OGCC Operator Number: 100185	4. Contact Name Julia M. Carter
2. Name of Operator: Encana Oil & Gas (USA) Inc.	Phone: 720.876.5240
3. Address: 370 17th Street Suite 1700	Fax: 720.876.6240
City: Denver State: CO Zip 80202	
5. API Number	OGCC Facility ID Number 323905
6. Well/Facility Name: Standard Shale	7. Well/Facility Number 6401
8. Location (QtrQtr, Sec, Twp, Rng, Meridian): NWNW Sec 9 T7S-R99W, 6th PM	
9. County: Garfield	10. Field Name: Wildcat
11. Federal, Indian or State Lease Number:	

Survey Plat		
Directional Survey		
Surface Eqpm Diagram		
Technical Info Page	X	
Other		

General Notice

☐ **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"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Change of Surface Footage to Exterior Section Lines:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Change of Bottomhole Footage from Exterior Section Lines:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Change of Bottomhole Footage to Exterior Section Lines:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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 ☐ NO

Ground Elevation _____ Distance to nearest well same formation _____ Surface owner consultation date: _____ NA

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

<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: _____
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<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 _____
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<input type="checkbox"/> SPUD DATE: _____	<input type="checkbox"/> REQUEST FOR CONFIDENTIAL STATUS (6 mos from date casing set)
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☐ **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

<input type="checkbox"/> Notice of Intent Approximate Start Date: _____	<input type="checkbox"/> Report of Work Done Date Work Completed: _____
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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 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: COA Compliance	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: Julia M. Carter Date: 7/19/12 Email: julia.carter@encana.com
Print Name: Julia M. Carter Title: Regulatory Analyst

COGCC Approved: Linda Spry O'Rourke Title NW EPS Date: 8/7/2012

CONDITIONS OF APPROVAL, IF ANY:

NOT APPROVED

TECHNICAL INFORMATION PAGE



FOR OGCC USE ONLY

1. OGCC Operator Number:	100185	API Number:	
2. Name of Operator:	Encana Oil & Gas (USA) Inc. OGCC Facility ID # 323905		
3. Well/Facility Name:	Standard Shale	Well/Facility Number:	6401
4. Location (QtrQtr, Sec, Twp, Rng, Meridian):	NWNW Sec 9 T7S-R99W, 6th PM		

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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

Please find the attached water samples for Locations 423633 to satisfy the COA outlined below.
Water was not transferred from wells on location 383216.

Please note the remediation number is 2111.

The following COA was given upon approval of Axia and Encana Transfer and Receiving Water Reuse Plans:

Approval of this plan is contingent upon analytical laboratory results for representative samples of Encana's destination formation water from wells with location IDs: 383216 and 423633. Analytical results shall include all testing methods described on pages 5-6 of the Produced Water Reuse Waste Minimization Plan. Operator shall reference the remediation number assigned to this Waste Transfer Agreement and submit analytical data within 60 days from sundry approval date.

COGCC COMMENT: Excerpt from pages 5 & 6 of Produced Water Reuse Waste Minimization Plan follow in italics. The analytical results provided in this sundry to not meet the requirements of the waste plan or the COA that required compliance with the waste plan. This data submittal is incomplete for its intention and is therefore **NOT APPROVED**. Submit the required analytical data by 10/7/2012.

Specifically, Encana and Axia will each be obligated to maintain laboratory analytical results for a representative sample(s) of its Production and Flowback Water. On an annual basis, one or more samples will be collected for the type of source(s) representative of the Production and Flowback Water and analyzed for the following chemical parameters using the appropriate EPA standard analytical method:

- Volatile organic compounds EPA Method 624 (GC/MS)
- Semi-volatile organic compounds EPA Method 625 (GC/MS)
- Dissolved Metals EPA Method 200.7 (ICP)
- Dissolved Inorganics (non-metals) EPA Method 300.0 (IC)
 - Br, Cl, F, Nitrate/Nitrite, Sulfate
- General water quality parameters
 - Specific Conductance EPA Method 120.1
 - Hardness EPA Method 130.1
 - Total Dissolved Solids EPA Method 160.1
 - pH EPA Method 150.2
 - Alkalinity EPA Method 310.1
- Gross alpha and beta radioactivity EPA Method 900.0

COGCC COMMENT: Need Facility ID # and Facility name and/or API number for source of attached sample. Not enough identifying information on the sample report to clearly associate it with a well or facility. This sundry form reports location 323905, yet text on page 2 says sample is for location 423633 and that water was not transferred from location 383216. The approved workplan references locations 421047 and 323905. Clarification regarding the location sampled and change of locations is required.

HALLIBURTON

Rockies Lab Water Analysis Report

District: Grand Junction

Tested By

Brandon

Reported By

Brandon

Customer and Well Information

Company	Encana	Well/Sample Name	Encana
Report To	Frac Engineers	Date Received	7/2/2012
		Date Tested	7/2/2012

Sample Physical Characteristics

Sample 1	W286			
Temperature	83.1	°F	Resistivity	0.3 Ω m
Specific Gravity	1.020		Conductivity	39.7 mS/cm
pH	7.1		TDS	24700.0 mg/L
Turbidity	111.0	FNU	Color (observation)	Lt Brown

Sample Chemical Characteristics

Anions

Chloride	14601	mg/L	Total Iron	5.9	mg/L
Sulfate	0	mg/L	Ferrous Iron	0.2	mg/L
Carbonate	0	mg/L	Potassium	74	mg/L
Bicarbonate	484	mg/L	Calcium	1980	mg/L
Hydroxide	0	mg/L	Magnesium	300	mg/L
			Sodium (calculated)	6762	mg/L

Cations

General Comments

Please forward to Mike Knowles at knowlesllc@aol.com

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