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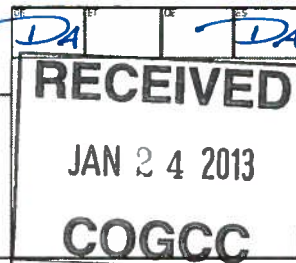
Page 1

FORM  
4  
Rev 12/05

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: Ruthann Morss	Complete the Attachment Checklist OP OGCC
2. Name of Operator: Encana Oil & Gas (USA) Inc.	Phone: (720) 876-5060	
3. Address: 370 17th Street, Suite 1700 City: Denver State: CO Zip: 80202	Fax: (720) 876-6060	
5. API Number 05- 045146540000	OGCC Facility ID Number	Survey Plat
6. Well/Facility Name: Couey	7. Well/Facility Number 24-12 (H23W)	Directional Survey
8. Location (QtrQtr, Sec, Twp, Rng, Meridian): SENE, 23, 7S, 93W, 6 PM		Surface Eqpmt Diagram
9. County: GARFIELD	10. Field Name: Mamm Creek	Technical Info Page
11. Federal, Indian or State Lease Number: COC 055972E.HMU		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:	<table border="1"><tr><td>FNL/FSL</td><td>FEL/FWL</td></tr><tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr></table>	FNL/FSL	FEL/FWL	<input type="checkbox"/>	<input type="checkbox"/>
FNL/FSL	FEL/FWL				
<input type="checkbox"/>	<input type="checkbox"/>				
Change of Surface Footage to Exterior Section Lines:	<table border="1"><tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr></table>	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>				
Change of Bottomhole Footage from Exterior Section Lines:	<table border="1"><tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr></table>	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>				
Change of Bottomhole Footage to Exterior Section Lines:	<table border="1"><tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr></table> attach directional survey	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>				
Bottomhole location QtrQtr, Sec, Twp, Rng, Mer					
Latitude	Distance to nearest property line				
Longitude	Distance to nearest bldg, public rd, utility or RR				
Ground Elevation	Distance to nearest lease line				
	Is location in a High Density Area (rule 603b)? Yes/No <input type="checkbox"/>				
	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					
Formation	Formation Code				
Spacing order number	Unit Acreage				
Unit configuration					
<input type="checkbox"/> 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					
From:	NUMBER				
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					
<input type="checkbox"/> Final reclamation is completed and site is ready for inspection.					

## Technical Engineering/Environmental Notice

<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Report of Work Done	
Approximate Start Date: upon approval	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 checked="" 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: continuous bradenhead vent	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: Ruthann Morss Date: 01/24/2013 Email: ruthann.morss@encana.com

Print Name: Ruthann Morss Title: Regulatory Analyst

COGCC Approved: David Anderson Title: PE II Date: 4/3/2013

CONDITIONS OF APPROVAL, IF ANY:



TECHNICAL INFORMATION PAGE



FOR OGCC USE ONLY

RECEIVED

JAN 24 2013

COGCC

1. OGCC Operator Number: 100185 API Number: 05045146540000
2. Name of Operator: Encana Oil & Gas (USA) Inc. OGCC Facility ID #
3. Well/Facility Name: Couey Well/Facility Number: 24-12 (H23W)
4. Location (QtrQtr, Sec, Twp, Rng, Meridian): SENE, 23, 7S, 93W, 6 PM

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

Surf csg: 9 5/8" @ 953'  
Prod csg: 4.5" @ 8298'  
TD: 8318'  
PBTD: 8110'  
Perfs: 6082' - 7784'  
TOC: 5302'

1-24-13: This well builds to 160 psi in 3 days and blows down to 0 psi in 20 minutes through a 1/2" needle valve with no liquids. Encana requests approval to continuously vent the bradenhead on this well.



State  
of  
Colorado

Andrews - DNR, David <david.andrews@state.co.us>

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## COUEY 24-12 (H23W) CONTINUOUS VENT REQUEST

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**Boles, Ezekiel R.** <Ezekiel.Boles@encana.com>  
To: "Andrews - DNR, David" <david.andrews@state.co.us>  
Cc: "Morss, Ruth Ann" <RuthAnn.Morss@encana.com>

Tue, Feb 26, 2013 at 10:05 AM

Hello David,

I apologize for the delay. We've tested the wellhead seals for this well and they passed. From our SCADA data, it looks like the historical bradenhead pressures had been holding around 75psi +/- 25psi on this well for the last year or so. From our annual bradenhead tests in 2010-2012, the well never built to more than 25psi in 7 days.

The recent increases in pressure did seem to coincide with a shut-in event from ~Dec 20<sup>th</sup> – January 15<sup>th</sup>. The well has been producing steadily since Jan 15<sup>th</sup>, and after a few blowdowns it appears that the pressures have come down considerably. BH pressure has steadily declined from 70psi to 55psi over the last three weeks.

At this point I would say a continuous vent is no longer necessary. My guess would be that some gas made its way into the surface casing – production casing annulus while the well was shut-in. Then, after we put the well back on production and blew down the bradenhead a few times gas ceased to migrate into the surface casing – production casing annulus.

Zeke

**From:** Andrews - DNR, David [mailto:david.andrews@state.co.us]  
**Sent:** Tuesday, February 26, 2013 9:38 AM  
**To:** Boles, Ezekiel R.  
**Cc:** Morss, Ruth Ann

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State  
of  
Colorado

Andrews - DNR, David <david.andrews@state.co.us>

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## COUEY 24-12 (H23W) CONTINUOUS VENT REQUEST

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**Boles, Ezekiel R.** <Ezekiel.Boles@encana.com>

Fri, Feb 8, 2013 at 4:45 PM

To: "Andrews - DNR, David" <david.andrews@state.co.us>, "Morss, Ruth Ann" <RuthAnn.Morss@encana.com>

Hey Dave,

I'll check into this and let you know early next week. I don't think we've tested the wellhead seals yet. Like you said this well has not been an issue in the past... It looks like the first time it ever reached 150psi was ~Jan 1<sup>st</sup> of this year. Since then we've had to blow it down several times.

Zeke

**From:** Andrews - DNR, David [mailto:david.andrews@state.co.us]

**Sent:** Friday, February 08, 2013 1:39 PM

**To:** Morss, Ruth Ann

**Cc:** Boles, Ezekiel R.

**Subject:** Re: COUEY 24-12 (H23W) CONTINUOUS VENT REQUEST

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**State  
of  
Colorado**

Andrews - DNR, David <david.andrews@state.co.us>

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## COUEY 24-12 (H23W) CONTINUOUS VENT REQUEST

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**Andrews - DNR, David** <david.andrews@state.co.us>

Fri, Feb 8, 2013 at 1:38 PM

To: "Morss, Ruth Ann" <RuthAnn.Morss@encana.com>

Cc: "Boles, Ezekiel R." <Ezekiel.Boles@encana.com>

Zeke,

The bradenhead history on this well is unusual in that we have never seen much pressure on the bradenhead (based on the RTC and Encana's annual submittals), and now it has jumped up suddenly. Have you investigated the potential for a wellhead seal leak or a casing leak? How does casing pressure respond during bradenhead pressure buildup and blowdown? Has Encana performed work on any of the other wells on the pad recently? Pending your response, I may want to witness a formal Bradenhead Test on this well.

Thanks,

**David D. Andrews, P.E., P.G.**

Engineering Supervisor - Western Colorado

**State of Colorado**

**Oil and Gas Conservation Commission**

**NEW ADDRESS. EFFECTIVE 1/3/2013:**

**796 Megan Avenue, Suite 201**

**Rifle, Colorado 81650**

Office Phone: (970) 625-2497 Ext. 1

Cell Phone: (970) 456-5262

Fax: (970) 625-5682

E-mail: David.Andrews@state.co.us

Website: <http://www.colorado.gov/cogcc>

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