

**State of Colorado**  
**Oil and Gas Conservation Commission**

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



DE	ET	OE	ES
Document Number: <u>400887766</u>			
Date Received: <u>08/28/2015</u>			

## SUNDRY NOTICE

Submit a signed original. This form is to be used for general, technical and environmental sundry information. For proposed or completed operations, describe in full in Comments or provide as an attachment. Identify Well by API Number; identify Oil and Gas Location by Location ID Number; identify other Facility by Facility ID Number.

OGCC Operator Number:	100185	Contact Name	Toby Sachen
Name of Operator:	ENCANA OIL & GAS (USA) INC		Phone: (720) 876-5845
Address:	370 17TH ST STE 1700		Fax: ( )
City:	DENVER	State:	CO
Zip:	80202-5632	Email:	toby.sachen@encana.com

### Complete the Attachment Checklist

OP OGCC

API Number :		05-	123	00	OGCC Facility ID Number:		305447
Well/Facility Name:		Woolley-Sosa-Becky			Well/Facility Number:		7H-E168
Location	QtrQtr:	SWNW	Section:	7	Township:	1N	Range: 68W Meridian: 6
County:		WELD		Field Name:		WATTENBERG	
Federal, Indian or State Lease Number:							

Survey Plat		
Directional Survey		
Srvc Eqpmt Diagram		
Technical Info Page		
Other		

## CHANGE OF LOCATION OR AS BUILT GPS REPORT

- ☐ Change of Location \*      ☐ As-Built GPS Location Report      ☐ As-Built GPS Location Report with Survey

\* Well location change requires new plat. A substantive surface location change may require new Form 2A.

**SURFACE LOCATION GPS DATA** Data must be provided for Change of Surface Location and As Built Reports.

Latitude \_\_\_\_\_ PDOP Reading \_\_\_\_\_ Date of Measurement \_\_\_\_\_  
Longitude \_\_\_\_\_ GPS Instrument Operator's Name \_\_\_\_\_

**LOCATION CHANGE (all measurements in Feet)**

Well will be: (Vertical, Directional, Horizontal)

Change of **Surface** Footage **From** Exterior Section Lines:

Change of **Surface** Footage **To** Exterior Section Lines:

Current <b>Surface</b> Location From	QtrQtr	SWNW	Sec	7
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New **Surface** Location To QtrQtr  Sec

Change of **Top of Productive Zone** Footage **From** Exterior Section Lines:

Change of **Top of Productive Zone** Footage To Exterior Section Lines:

Current	Top of Productive Zone Location From	Sec

New **Top of Productive Zone** Location To Sec

Change of **Bottomhole** Footage **From** Exterior Section Lines:

Change of **Bottomhole** Footage To Exterior Section Lines:

Current **Bottomhole** Location      Sec       Twp

New **Bottomhole** Location      Sec       Twp

Is location in High Density Area?

Distance, in feet, to nearest building \_\_\_\_\_, public road: \_\_\_\_\_, above ground utility: \_\_\_\_\_, railroad: \_\_\_\_\_,

property line: \_\_\_\_\_, lease line: \_\_\_\_\_, well in same formation: \_\_\_\_\_

Ground Elevation                      feet                      Surface owner consultation date

FNL/FSL		FEL/FWL	
2031	FNL	511	FWL
Twtp	1N	Range	68W
Twtp		Range	
Twtp		Range	
Twtp		Range	
Range		** attach deviated drilling plan	
Range			

\*\* attach deviated drilling plan

## OTHER CHANGES

☐ **REMOVE FROM SURFACE BOND** Signed surface use agreement is a required attachment

☐ **CHANGE OF WELL, FACILITY OR OIL & GAS LOCATION NAME OR NUMBER**

From: Name WOOLLEY-SOSA-BECKY Number 7H-E168 Effective Date: \_\_\_\_\_

To: Name \_\_\_\_\_ Number \_\_\_\_\_

☐ **ABANDON PERMIT: Permit can only be abandoned if the permitted operation has NOT been conducted. Field inspection will be conducted to verify site status.**

☐ WELL: Abandon Application for Permit-to-Drill (Form2) – Well API Number \_\_\_\_\_ has not been drilled.

☐ PIT: Abandon Earthen Pit Permit (Form 15) – COGCC Pit Facility ID Number \_\_\_\_\_ has not been constructed (Permitted and constructed pit requires closure per Rule 905)

☐ CENTRALIZED E&P WASTE MANAGEMENT FACILITY: Abandon Centralized E&P Waste Management Facility Permit (Form 28) – Facility ID Number \_\_\_\_\_ has not been constructed (Constructed facility requires closure per Rule 908)

OIL & GAS LOCATION ID Number: \_\_\_\_\_

☐ Abandon Oil & Gas Location Assessment (Form 2A) – Location has not been constructed and site will not be used in the future.

☐ Keep Oil & Gas Location Assessment (Form 2A) active until expiration date. This site will be used in the future.

**Surface disturbance from Oil and Gas Operations must be reclaimed per Rule 1003 and Rule 1004.**

☐ **REQUEST FOR CONFIDENTIAL STATUS**

☐ **DIGITAL WELL LOG UPLOAD**

☐ **DOCUMENTS SUBMITTED** Purpose of Submission: \_\_\_\_\_

## RECLAMATION

### INTERIM RECLAMATION

☐ Interim Reclamation will commence approximately \_\_\_\_\_

Per Rule 1003.e.(3) operator shall submit Sundry Notice reporting interim reclamation is complete and site is ready for inspection when vegetation reaches 80% coverage.

☐ Interim reclamation complete, site ready for inspection.

Per Rule 1003.e(3) describe interim reclamation procedure in Comments below or provide as an attachment and attach required location photographs.

**Field inspection will be conducted to document Rule 1003.e. compliance**

### FINAL RECLAMATION

☐ Final Reclamation will commence approximately \_\_\_\_\_

Per Rule 1004.c.(4) operator shall submit Sundry Notice reporting final reclamation is complete and site is ready for inspection when vegetation reaches 80% coverage.

☐ Final reclamation complete, site ready for inspection. Per Rule 1004.c(4) describe final reclamation procedure in Comments below or provide as an attachment.

**Field inspection will be conducted to document Rule 1004.c. compliance**

Comments:

## ENGINEERING AND ENVIRONMENTAL WORK

### ☐ NOTICE OF CONTINUED TEMPORARILY ABANDONED STATUS

Indicate why the well is temporarily abandoned and describe future plans for utilization in the COMMENTS box below or provide as an attachment, as required by Rule 319.b.(3).

Date well temporarily abandoned \_\_\_\_\_ Has Production Equipment been removed from site? \_\_\_\_\_

Mechanical Integrity Test (MIT) required if shut in longer than 2 years. Date of last MIT \_\_\_\_\_

### ☐ SPUD DATE: \_\_\_\_\_

## TECHNICAL ENGINEERING AND ENVIRONMENTAL WORK

Details of work must be described in full in the COMMENTS below or provided as an attachment.

☐ NOTICE OF INTENT Approximate Start Date \_\_\_\_\_

☐ REPORT OF WORK DONE Date Work Completed \_\_\_\_\_

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> Intent to Recomplete (Form 2 also required) | <input type="checkbox"/> Request to Vent or Flare   | <input type="checkbox"/> E&P Waste Mangement Plan      |
| <input type="checkbox"/> Change Drilling Plan                        | <input type="checkbox"/> Repair Well  | <input type="checkbox"/> Beneficial Reuse of E&P Waste |
| <input type="checkbox"/> Gross Interval Change                       | <input type="checkbox"/> Rule 502 variance requested. Must provide detailed info regarding request. |  |
| <input type="checkbox"/> Other _____                                 | <input type="checkbox"/> Status Update/Change of Remediation Plans for Spills and Releases          |  |

### COMMENTS:

## H2S REPORTING

**Data Fields in this section are intended to document Sample and Location Data associated with the collection of a Gas Sample that is submitted for Laboratory Analysis.**

**Gas Analysis Report must be attached.**

H2S Concentration: \_\_\_\_\_ in ppm (parts per million) Date of Measurement or Sample Collection \_\_\_\_\_

Description of Sample Point:

Absolute Open Flow Potential \_\_\_\_\_ in CFPD (cubic feet per day)

Description of Release Potential and Duration (If flow is not open to the atmosphere, identify the duration in which the container or pipeline would likely be opened for servicing operations.):

Distance to nearest occupied residence, school, church, park, school bus stop, place of business, or other areas where the public could reasonably be expected to frequent: \_\_\_\_\_

Distance to nearest Federal, State, County, or municipal road or highway owned and principally maintained for public use: \_\_\_\_\_

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### **Best Management Practices**

<b><u>No</u></b>	<b><u>BMP/COA Type</u></b>	<b><u>Description</u></b>
1	Planning	Distance to Erie Building Units. For the Vessels Minerals Well Pad, the minimum distance between a well or surface equipment, and the nearest exterior wall of an existing Erie Building Unit (as of the Effective Date) shall not be less than the following 1,050 feet. Compliance with this requirement shall be determined from the actual as-built locations of the well or surface equipment. Nothing herein shall be construed to grant Encana any surface rights on property owned by the Town or another person. No Pad Site will be located on Town property without authorization by the Town Board of Trustees.
2	Planning	Encana shall conduct all operations in accordance with the plans discussed during the Conceptual Review Process as updated from time to time.
3	Community Outreach and Notification	Encana shall include its contact information on both the mailed notice required by Article III, Section 8 and the posted notice required by Article III, Section 9. This information shall include both a telephone number for Encana and the address and hours of Encana's Erie community office. Members of the public with concerns or complaints regarding the oil and gas development covered by this Agreement may use this information to speak with Encana.
4	Traffic control	Encana will implement the Traffic Management Plan required by Article III, Section 3, Subpart 10.
5	Traffic control	To reduce truck traffic, Erie and Encana will encourage the use of nearby water resources for the drilling and hydraulic fracturing of wells at the pad sites, including the use of Erie municipal water when determined technically feasible and economically practicable by Encana.
6	General Housekeeping	Encana will install down cast lighting or some other form of lighting that mitigates light pollution and spill-over onto adjacent properties; provided, however, that Encana may still use lighting that is necessary for public and occupational safety.
7	General Housekeeping	Access roads to well and production facilities that connect to a street within Erie shall be improved from the point of connection to a street within Erie a minimum distance of two hundred (200) feet on the access road as specified by the then current requirements of the Code.
8	General Housekeeping	Upon the request of either party, the Parties may revise one or more of these BMPs if they mutually agree such revision would better avoid or mitigate impacts the BMP(s) is intended to address.
9	General Housekeeping	Encana will recycle and reuse water at the pad sites and otherwise minimize waste water production to the extent that it determines such recycling, reuse, and waste water minimization is technically and economically feasible.
10	General Housekeeping	Oil and gas well facilities (above ground) within the Erie Town Limits shall be fenced as specified by the then current requirements of the Code.

11	General Housekeeping	<p>Road repairs.</p> <p>(a) Erie and Encana recognize that truck traffic accessing the Identified Well Pads may cause damage to Erie roads and that road repairs may be needed to mitigate such damage. To this end, Encana will arrange for a qualified outside consultant to perform a road impact study for all Erie roads that are used to access an Identified Well Pad during the Term of this Agreement. The consultant will conduct the first part of the study prior to Encana's operations at such Well Pad and the second part of the study after Encana completes all drilling and hydraulic fracturing at such Well Pad. Encana and Erie will use these studies to determine the extent of any damage accruing to the road during the study period. Encana will then promptly pay Erie to repair such damage or else arrange and pay the cost of such repairs itself whichever Erie prefers.</p> <p>(b) Encana shall maintain Financial Assurance to secure its road repair obligations under this Agreement. The amount of such Financial Assurance shall equal Erie's annual road maintenance budget as of the Effective Date multiplied by the percentage yielded by dividing the total number of Erie road miles as of the Effective Date into the number of such road miles that Encana will use to access the Identified Well Pads. Encana shall select the form of such Financial Assurance and shall maintain such Assurance until Encana fulfills its obligation to repair road damage under Subsection (a).</p>
12	Material Handling and Spill Prevention	<p>Encana shall use steel rim berms or some other state of the art technology that will contain fluids and other material instead of sand or soil berms.</p>
13	Noise mitigation	<p>Encana will comply with the following noise mitigation requirements at all pad sites:</p> <p>(a) For db(A) scale noise, Encana will insure that the noise level from operations subject to the light industrial zone noise standard under COGCC Regulations 802.b and 604.c.(2)(A) does not exceed sixty (60) db(A) and that the noise level from operations subject to the industrial zone noise standard under COGCC Regulations 802.b and 604.c.(2)(A) is reduced at least five (5) db(A) below the maximum level permitted by those Regulations. For this purpose, the noise level shall be measured as set forth in COGCC Regulations 802.b &amp; c, except no measurements shall be taken when traffic is passing the sound level meter, Encana shall be present during all measurements, and building units shall be limited to those units existing as of the Effective Date. As set forth in COGCC Regulation 802.b, the noise levels shall be subject to increase for a period not to exceed fifteen (15) minutes in any one (1) hour period and reduction for periodic, impulsive or shrill noises.</p> <p>(b) For db(C) scale noise, Encana shall comply with the requirements of COGCC Regulation 802, as such requirements may be amended during the term of this Agreement.</p>

14	Emissions mitigation	<p>Well leak detection and repair</p> <p>(a) To identify leaks, Encana will perform audio, visual and olfactory inspections on a monthly basis at all of its new and existing wells and related facilities and equipment within Erie's Town Limits, provided that such related facilities and equipment are located on the pads for such wells, are part of adjacent tanks used for such pad sites, or are part of storage tanks for such pad sites authorized under Article IV, Section 4 of the Operator Agreement. Encana will also inspect each such well with an infra-red camera on a monthly basis. The initial baseline inspections will occur within sixty (60) calendar days after the Effective Date. After a well has produced for twelve (12) months, the frequency of such inspections shall decrease from monthly to quarterly. If Encana determines that any repairs are required based on these inspections, Encana will promptly initiate these repairs.</p> <p>(b) Encana will report to Erie on the inspection results and any associated repairs the month after the inspection or repair occurs. This information will be collectively reported on a monthly basis in the same format that Encana uses for reporting to the Air Pollution Control Division under Regulation 7, but that is specific to wells located within the Erie Town Limits. Erie will make this information publicly available.</p> <p>(c) This BMP will terminate five (5) years after the Effective Date, after which Encana will continue to comply with the leak detection, repair, and reporting requirements of Regulation 7, as such requirements may be amended.</p>
15	Emissions mitigation	<p>In an effort to reduce air emissions, Encana intends to construct a central gathering and storage facility at a location in 1N-68W-Section 21 (the "Hub") to receive liquids from the wells which are the subject of this Agreement. As a result, Encana will not install hydrocarbon storage tanks at these pad sites, which will eliminate potential sources of hydrocarbons from the sites. However, Encana will still install at the pad sites all other equipment and facilities necessary for the production of hydrocarbons, including wellhead equipment, separation equipment, electrical equipment, and temporary flowback equipment (including temporary storage tanks). In addition, this BMP is subject to Article IV, Sections 3 and 4 of the Agreement.</p>
16	Drilling/Completion Operations	<p>Encana has developed and implemented a company-wide Responsible Products Program to manage the fluid products used in its hydraulic fracturing operations. This Responsible Products Program helps Encana evaluate the hydraulic fracturing fluid products it uses in its operations for safety, effectiveness and potential public health and environmental impacts. As part of this program, Encana has informed all of its hydraulic fracturing fluid product suppliers that any products containing diesel fuels (as defined by EPA 816-R-12-004), 2-Butoxyethanol (2-BE), benzene or heavy metals (i.e. lead, mercury, arsenic, cadmium and chromium) cannot be used in hydraulic fracturing at Encana operations. Encana will continue to conduct its hydraulic fracturing operations within the Erie town limits in accordance with its Responsible Products Program.</p>
17	Drilling/Completion Operations	<p>Encana shall use closed-loop systems for drilling and completion operations.</p>
18	Underground Injection Control	<p>Encana shall not develop any new Class II underground injection control wells within the Operator Agreement Area during the Term of this Agreement.</p>

Total: 18 comment(s)

**Operator Comments:**

The attached BMPs were agreed to by Encnana and the Town of Erie.

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

Signed: \_\_\_\_\_ Print Name: Toby Sachen  
Title: Regulatory Analyst Email: toby.sachen@encana.com Date: 8/28/2015

Based on the information provided herein, this Sundry Notice (Form 4) complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: Treitz, Rebecca Date: 9/29/2015

**CONDITIONS OF APPROVAL, IF ANY:****COA Type****Description**

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**General Comments****User Group****Comment****Comment Date**

OGLA	BMPs being added are by the Operator	9/29/2015 2:22:59 PM
Routing Review	A task has been opened for R. Treitz (OGLA Group) to review the document.	8/28/2015 12:19:35 PM

Total: 2 comment(s)

**Attachment Check List****Att Doc Num****Name**

400887766	FORM 4 SUBMITTED
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Total Attach: 1 Files