

State of Colorado Oil and Gas Conservation Commission

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DE	ET	OE	ES
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Date Received: 05/08/2015			

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: <u>100185</u>	Contact Name: <u>Chris Hines</u>	Complete the Attachment Checklist OP OGCC
Name of Operator: <u>ENCANA OIL & GAS (USA) INC</u>	Phone: <u>(970) 285-2653</u>	
Address: <u>370 17TH ST STE 1700</u>	Fax: <u>()</u>	
City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80202-5632</u> Email: <u>chris.hines@encana.com</u>		
API Number: <u>05-04500</u> OGCC Facility ID Number: <u>285021</u>	Survey Plat	
Well/Facility Name: <u>NP EF07B</u> Well/Facility Number: <u>N30 595</u>	Directional Survey	
Location QtrQtr: <u>SESW</u> Section: <u>30</u> Township: <u>5S</u> Range: <u>95W</u> Meridian: <u>6</u>	Srvc Eqpmt Diagram	
County: <u>GARFIELD</u> Field Name: <u>WILDCAT</u>	Technical Info Page	
Federal, Indian or State Lease Number: _____	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 **Surface** Location **From** QtrQtr SESW Sec 30

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	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Twp <u>5S</u>	Range <u>95W</u>	Meridian <u>6</u>	
Twp <input type="text"/>	Range <input type="text"/>	Meridian <input type="text"/>	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Twp <input type="text"/>	Range <input type="text"/>		
Twp <input type="text"/>	Range <input type="text"/>		
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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** 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 NP EF07B Number N30 595 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 05/05/2015

- | | | |
|--|---|--|
| <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 checked="" type="checkbox"/> Status Update/Change of Remediation Plans for Spills and Releases | |

COMMENTS:

This form is being submitted as a status update for a pit closure (285021) remediation project (7167) on the N30 595 well pad (335670) in the North Parachute area of operations (Grand Valley Field).

In support of this project, a soil auger rig was used to characterize subsurface impacts that may have resulted from operation of the pit, and if needed install in-situ remediation wells. When field screening and laboratory analysis indicated hydrocarbon impacts, eleven (11) soil vapor extraction (SVE) wells and five (5) groundwater monitoring wells were installed. These efforts, and the discovery a diesel-like hydrocarbon product in several groundwater monitoring wells within the former pit footprint were reported in a previous status update for this project (400786233). Additional site investigation and project information were requested, and are provided here.

Under the Unified Soil Classification System (USCS) the soil lithology at the project site consists of a dark tan-brown inorganic clay. The clay lithology consists of interbedded angular shale pieces, with fine silts and sub-angular to angular sands, and low to medium plasticity. Soil assemblages of the material range from clay 50-60%, silts 35-45%, sands 15-25% throughout the site. The attached fence diagram illustrates the results of soil logging during site characterization efforts conducted in 2013.

Using the installed groundwater monitoring wells, an environmental contractor developed a groundwater elevation map which confirmed the direction of groundwater flow to be south by southwest towards the East Fork Parachute Creek. The contractor also prepared figures illustrating the radius of influence on groundwater monitoring well ENPR21MW, and continued to collect operations and maintenance (O&M) readings on the SVE wells. The program of enhanced fluid recovery (EFR), initiated in October, 2014 is now on a monthly schedule to focus on active recovery of the product identified at this location. The data collected (volume recovered and inches of product) as part of the EFR effort will provide information on the groundwater flow rate and overall success in product recovery. Attached is a report from the contractor, detailing the work that has been completed to date on this project, and summarizing the results of field data collection and laboratory analysis.

Groundwater results continue to be below COGCC Table 910-1 allowable concentrations, and there is no evidence that the identified impacts pose any threat to the East Fork Parachute Creek, that extent of impact extends offsite, or that the extent of impacts is expanding within the project site.

Encana proposes to continue with the monthly program of enhanced fluid recovery (EFR) and operations and maintenance (O&M) throughout 2015. With approval of this approach, a report of findings will be provided in the second quarter of 2016 with further recommendations on how to proceed with remediation efforts. If at any time, evidence that impacts have extended offsite is discovered the COGCC will be notified immediately.

Attachments:

- Geologic Fence Diagram – illustrates soil boring locations and remediation system installation.
- Radius of Influence Diagrams – ENPR21MW monitoring well
- Contractor Report of Work Completed and Findings

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: _____

COMMENTS:

Best Management Practices

No BMP/COA Type

Description

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Operator Comments:

Attention Carlos Lujan. See email correspondence for complete document and any corrections.

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

Signed: _____ Print Name: Chris Hines
Title: Environmental Specialist Email: chris.hines@encana.com Date: 5/8/2015

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

COGCC Approved: LUJAN, CARLOS Date: 5/21/2015

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

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

Environmental	The COGCC agrees with the proposed program of enhanced fluid recovery (EFR) and operations and maintenance (O&M). Thanks for the progress report. C Lujan 05/21/2015	5/21/2015 2:29:33 PM
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Total: 1 comment(s)

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

400837470	FORM 4 SUBMITTED
400837481	OTHER

Total Attach: 2 Files