

State of Colorado Oil and Gas Conservation Commission

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DE	ET	OE	ES
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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>69175</u>	Contact Name <u>Brandon Bruns</u>
Name of Operator: <u>PDC ENERGY INC</u>	Phone: <u>(303) 831-3971</u>
Address: <u>1775 SHERMAN STREET - STE 3000</u>	Fax: <u>(303) 860-5838</u>
City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80203</u>	Email: <u>brandon.bruns@pdce.com</u>

Complete the Attachment
Checklist

OP OGCC

API Number : <u>05-</u> <u>123</u> <u>22378</u> <u>00</u>	OGCC Facility ID Number: <u>273558</u>
Well/Facility Name: <u>PFENNING</u>	Well/Facility Number: <u>43-31</u>
Location QtrQtr: <u>NESE</u> Section: <u>31</u> Township: <u>7N</u> Range: <u>64W</u> Meridian: <u>6</u>	
County: <u>WELD</u> Field Name: <u>WATTENBERG</u>	
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 **Surface** Location **From** QtrQtr NESE Sec 31

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	
<u>1790</u>	<u>FSL</u>	<u>840</u>	<u>FEL</u>
_____	_____	_____	_____
Twp <u>7N</u>	Range <u>64W</u>	Meridian <u>6</u>	
Twp _____	Range _____	Meridian _____	
_____	_____	_____	_____
_____	_____	_____	_____
Twp _____	Range _____		
Twp _____	Range _____		
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

**

**

** attach deviated drilling plan

CHANGE OR ADD OBJECTIVE FORMATION AND/OR SPACING UNIT

<u>Objective Formation</u>	<u>Formation Code</u>	<u>Spacing Order Number</u>	<u>Unit Acreage</u>	<u>Unit Configuration</u>

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 PFENNING Number 43-31 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 12/27/2013

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

COMMENTS:

On September 4, 2008, a historic dump line release was discovered at the Pfenning 43, 44-31 (API # 05-123-22378, Spill Tracking # 1984344, Remediation # 4472) tank battery. The facility is located in the SESE Quarter of Section 31, Township 7 North, and Range 64 West, as illustrated on Figure 1. Between September 4, 2008 and September 8, 2008, PDC contracted LT Environmental, Inc. (LTE) to conduct excavation activities in the release area. Excavation activities successfully mitigated petroleum hydrocarbon impacts in soil. However, analytical results indicated that the groundwater samples (GW01 and GW02) collected from the excavation area exhibited benzene concentrations in exceedance of COGCC Table 910-1 groundwater standards. Soil and groundwater sample locations within the excavation area are illustrated on Figure 2. Soil analytical data is summarized in Table 1. Between September 2008 and April 2011, eight temporary monitoring wells were installed for monitoring and remediation purposes, as illustrated on Figure 3. Subsequent quarterly groundwater monitoring commenced following well installation and samples were submitted for laboratory analysis of benzene, toluene, ethylbenzene, and total xylenes (BTEX). Groundwater analytical results are summarized in Table 2. Monitored natural attenuation was selected as the remedial strategy to address residual dissolved phase hydrocarbon concentrations. In January 2013, Tasman Geosciences (Tasman) inherited site-wide quarterly groundwater monitoring and remediation activities from LTE. During the fourth quarter 2013, four consecutive quarters of constituent concentrations in compliance COGCC regulatory standards were achieved. Groundwater analytical results from the third and fourth quarters 2013 are illustrated on Figure 3. Based on the groundwater analytical results described herein, PDC is requesting a No Further Action determination for this site from the COGCC.

CASING AND CEMENTING CHANGES

Casing Type	Size	Of	/	Hole	Size	Of	/	Casing	Wt/Ft	Csg/LinTop	Setting Depth	Sacks of Cement	Cement Bottom	Cement Top

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

<u>No</u>		<u>BMP/COA Type</u>	<u>Description</u>

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Signed: _____ Print Name: Brandon Bruns

Title: EHS Professional Email: brandon.bruns@pdce.com Date: 4/30/2014

COGCC Approved: ALLISON, RICK Date: 5/13/2014

COA Type

Four quarters of ground water monitoring indicate that the concentrations of BTEX in ground water are in compliance with the Concentration Levels in Table 910-1. No further action is necessary at this time, and COGCC approves the closure request. However, should future conditions at the site indicate contaminant concentrations in soil exceeding COGCC standards or if ground water is found to be significantly impacted, then further investigation and/or remediation activities may be required at the site.

User Group

Comment

Comment Date

Permit	Assigned to Rick for environmental review. Brandon Bruns is not a designated agent for PDC.	5/8/2014 3:39:21 PM
Data Entry	NFA request for Remediation #4472	5/7/2014 9:13:39 AM

Total: 2 comment(s)

Att Doc Num

Name

2148796	FORM 4 SUBMITTED
2148797	NO FURTHER ACTION FORM 4 ATTACHMENTS

Total Attach: 2 Files