

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203
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DE	ET	OE	ES
Document Number: <u>400639229</u>			
Date Received: <u>07/03/2014</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:	69175	Contact Name	Troy Swain
Name of Operator:	PDC ENERGY INC	Phone:	(970) 506-9272
Address:	1775 SHERMAN STREET - STE 3000	Fax:	(970) 506-9276
City:	DENVER	State:	CO
Zip:	80203	Email:	troy.swain@pdce.com

Complete the Attachment Checklist

OP OGCC

API Number :		05-	<u>123</u>	<u>22973</u>	<u>00</u>	OGCC Facility ID Number:	<u>277555</u>
Well/Facility Name:		<u>TRINITY</u>				Well/Facility Number:	<u>43-7</u>
Location	QtrQtr:	<u>NESE</u>	Section:	<u>7</u>	Township:	<u>6N</u>	Range: <u>63W</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 Eqpmnt 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	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	
1803	FSL	848	FEL
Twtp	6N	Range	63W
Twtp		Range	
Twtp		Range	
Twtp		Range	
Range		** attach deviated drilling plan	
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 TRINITY Number 43-7 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:

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: 98.1 in ppm (parts per million) Date of Measurement or Sample Collection 06/20/2014

Description of Sample Point:

Needle valve coming off production casing (4.5 inch) at wellhead. No lab analysis - field reading only.

Absolute Open Flow Potential 0 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: 0.5 MILES

Distance to nearest Federal, State, County, or municipal road or highway owned and principally maintained for public use: 0.3 MILES

COMMENTS:

Best Management Practices

No	BMP/COA Type	Description

Operator Comments:

On June 19th at our Trinity 43-7, a pumper was on location to blow down the pressure on the casing to prepare for setting a retrievable bridge plug ahead of horizontal fracs in the area. As he began blowing down through a needle valve on the casing his personal 4-gas monitor indicated the presence of Hydrogen Sulfide. He quickly shut the casing needle valve and notified his supervisor. Members of our environmental, health, and safety team as well as operations personnel went to the well that afternoon and confirmed that H2S was present with 3 separate monitors. An independent 3rd party came to the location on the morning of June 20th and found a reading of 98.1 ppm from the gas on the casing. The well had just enough pressure on the casing to blow for a minute or two before the pressure was gone.

Some background on this well: Approximately 2 years ago PDC was working on this well and lost some tubing down hole. We tried to fish for about 2 weeks, but were unsuccessful. The well was shut in at that time and was not produced again. We feel that the water used during that 2 to 3 week fishing period and the well being shut in for two years may have been the cause for the hydrogen sulfide that we found on June 19th.

Plugging operations for the well were initiated on June 26th with monitors throughout the location and all proper safety measures in place. Treated water was used the push down on the casing and tubing and subsequent circulations did not indicate the presence of hydrogen sulfide. No readings were ever encountered on the monitors around the location (wellhead, work tank, etc.). Plugging operations were completed on July 2nd.

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

Signed: _____ Print Name: Troy Swain
Title: EHS Professional-Env Email: troy.swain@pdce.com Date: 7/3/2014

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

COGCC Approved: KOEPSSELL, ARTHUR Date: 7/3/2014

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

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General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Environmental	The supplied H2S data has been uploaded to the CO_ENV database.	7/3/2014 12:21:51 PM
Engineer	Operator (Troy Swain, Jason Throne) contacted me for instructions how to report. He emailed me the gas analysis after the form was submitted, and I attached it.	7/3/2014 11:37:31 AM

Total: 2 comment(s)

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
1897847	GAS ANALYSIS REPORT
400639229	FORM 4 SUBMITTED

Total Attach: 2 Files