

# 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: <b>402736621</b>			
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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: 69175 Contact Name Jenifer Hakkarinen  
Name of Operator: PDC ENERGY INC Phone: (303) 8605800  
Address: 1775 SHERMAN STREET - STE 3000 Fax: ( )  
City: DENVER State: CO Zip: 80203 Email: Jenifer.Hakkarinen@pdce.com

Complete the Attachment  
Checklist

OP OGCC

API Number : 05- 123 49584 00 OGCC Facility ID Number: 461211  
Well/Facility Name: Huron Well/Facility Number: 5N  
Location QtrQtr: SESE Section: 22 Township: 5N Range: 64W 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  GPS Quality Value:  Type of GPS Quality Value:  Measurement Date:   
Longitude

### 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 SESE Sec 22

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 22

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 34 Twp 5N

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	
371	FSL	505	FEL
Twp 5N	Range 64W	Meridian 6	
Twp	Range	Meridian	
737	FSL	0	FEL
Twp 5N	Range 64W		
Twp	Range		
220	FNL	0	FEL

\*\*

\*\*

\*\* 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 HURON Number 5N 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 07/12/2021

☐ 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 checked="" type="checkbox"/> Bradenhead Plan                  | <input type="checkbox"/> Status Update/Change of Remediation Plans for Spills and Releases          |  |
| <input type="checkbox"/> Other _____                                 |   |  |

**COMMENTS:**

Huron 5N (05-123-49584)/Nanosealant Squeeze Remedial Procedure  
Producing Formation: N/A (DUC)  
Fox Hills: 3'-118'  
Upper Pierre Aquifer: 350'-1330'  
Depest Water Well: 142'  
TD: 13,452'  
Surface Casing: 9 5/8" 36# @ 1700' w/ 590 sxs  
Production Casing: 5 1/2" 20# @ 13361' w/ 2118 sxs  
Proposed Procedure:  
1. MIRU WO unit & associated WO equipment, ND wellhead, NU BOP, tally all pipe to be ran in well.  
2. RU wireline company. RIH w/ gauge ring and csg scraper to 6600' (top of target marker joint collar @ 5949')  
3. TIH w/ composite BP and set @ 6550', 36.7°. Load well, test csg to 5000 psi and verify integrity. Top with 2 sxs 15.8#/gal CI G cement.  
4. TIH w/ composite BP and set @ 6450'.  
5. TIH w/ composite BP and set @ 6368'.  
6. TIH with perf gun and perforate squeeze holes from 6338'-6358'.  
7. TIH with tubing to 6358'. Establish injection rate and modify nanosealant volumes based on injection test results.  
8. RU SLB cementing company. Pump 10 bbls Nanosealant down tubing from 5908'-6358'.  
9. PU tubing to 5800'. Shut in 5-1/2" casing valve and squeeze away 6 bbls through perforations. Hesitation squeeze remaining 4 bbls in 1/4-bbl increments every 15 min.  
  
10. TIH and mill out remaining squeeze sealant from 5908' to 6358' and CBP @ 6368'. TOOH.  
11. RU wireline company. Run csg scraper from 6375'-5900'.  
12. Run CBL from 6400' to surface.  
13. RU coil company. RIH with 75' casing patch and set from 6310'-6385'.  
14. Load well, test csg to 9500 psi and verify integrity.  
15. RU wireline company and make gauge ring run from 6400' to 6300'.  
16. TIH and millout CBP at 6450' and dump bail and CBP at 6550'. TOOH.  
17. RDMO.  
18.

**CASING PROGRAM**

(No Casing Provided)

**POTENTIAL FLOW AND CONFINING FORMATIONS**

(No Casing Provided)

**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:

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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.):

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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:

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**Best Management Practices****No BMP/COA Type****Description**

1	Drilling/Completion Operations	PDC installed sound walls on this location prior to annular fill o-perations to mitigate noise, light and dust.
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Total: 1 comment(s)

**Operator Comments:**

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

Signed: \_\_\_\_\_ Print Name: Jenifer Hakkarinen  
 Title: reg tech Email: Jenifer.Hakkarinen@pdce.com Date: 7/1/2021

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

COGCC Approved: McFarland, Nick Date: 7/8/2021

**CONDITIONS OF APPROVAL, IF ANY:**
**Condition of Approval**
**COA Type**
**Description**

	1) Repaired casing must be pressure tested for a minimum of 30 minutes and to a minimum of 500 psi greater than the maximum surface pressure anticipated to be imposed during the Stimulation. Record pressure test in tabular form and provide a copy of this data to COGCC within 10 days of the repair work being completed. 2) After repair work is completed, a bradenhead test shall be performed and bradenhead samples collected if pressure is greater than 25 psi for laboratory analysis. The Form 17 shall be submitted within 10 days of the test. Copies of all final laboratory analytical results shall be provided to the COGCC within three months of collecting the samples in an approved electronic data deliverable format. 3) Operator shall not proceed with stimulation until COGCC engineering provides final approval. COGCC engineering will review repair documentation and the post-repair bradenhead test prior to making final determination.
	1. Operator will implement measures to capture, combust, or control emissions to protect health and safety, and to ensure that vapors and odors from well subsequent operations do not constitute a nuisance or hazard to public health, welfare and the environment. 2. Prior to commencing operations, at a minimum, the operator will provide notice to the owners/occupants of Building Units (BUs) that are adjacent to the parcel on which the well is located. The notification will include the operator's contact information and the nature, timing, and expected duration of the nanosealant squeeze remedial operations.

2 COAs

**General Comments**

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
		Stamp Upon Approval

Total: 0 comment(s)

**Attachment List**

<u>Att Doc Num</u>	<u>Name</u>
402736621	SUNDRY NOTICE APPROVED
402741987	FORM 4 SUBMITTED

Total Attach: 2 Files