

**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>402758935</b>			
Date Received: <b>07/26/2021</b>			

**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 Valerie Danson  
 Name of Operator: PDC ENERGY INC Phone: (303) 8605800  
 Address: 1775 SHERMAN STREET - STE 3000 Fax: ( )  
 City: DENVER State: CO Zip: 80203 Email: Valerie.Danson@pdce.com

Complete the Attachment  
Checklist

OP OGCC

API Number : 05- 123 49586 00 OGCC Facility ID Number: 461213  
 Well/Facility Name: Huron Well/Facility Number: 1N  
 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		
Srfc 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 <b>Surface</b> Location <b>From</b>	QtrQtr <input type="text" value="SESE"/>	Sec <input type="text" value="22"/>	Twp <input type="text" value="5N"/>	Range <input type="text" value="64W"/>	Meridian <input type="text" value="6"/>
New <b>Surface</b> Location <b>To</b>	QtrQtr <input type="text"/>	Sec <input type="text"/>	Twp <input type="text"/>	Range <input type="text"/>	Meridian <input type="text"/>

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

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

Current <b>Top of Productive Zone</b> Location <b>From</b>	Sec <input type="text" value="22"/>	Twp <input type="text" value="5N"/>	Range <input type="text" value="64W"/>
New <b>Top of Productive Zone</b> Location <b>To</b>	Sec <input type="text"/>	Twp <input type="text"/>	Range <input type="text"/>

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

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

Current <b>Bottomhole</b> Location	Sec <input type="text" value="34"/>	Twp <input type="text" value="5N"/>	Range <input type="text" value="64W"/>	** attach deviated drilling plan
New <b>Bottomhole</b> Location	Sec <input type="text"/>	Twp <input type="text"/>	Range <input type="text"/>	

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 \_\_\_\_\_



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 07/30/2021

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 1N (05-123-49586)/Nanosealant Squeeze Remedial Procedure  
 Producing Formation: N/A (DUC)  
 Fox Hills: 3'-118'  
 Upper Pierre Aquifer: 350'-1330'  
 Depest Water Well: 142'  
 TD: 13,450'  
 Surface Casing: 9 5/8" 36# @ 1690' w/ 540 sxs  
 Production Casing: 5 1/2" 20# @ 13446' w/ 2117 sxs  
 Proposed Procedure:

- MIRU WO unit & associated WO equipment, ND wellhead, NU BOP, tally all pipe to be ran in well.
- RU wireline company. RIH w/ gauge ring and csg scraper to 6950' (top of target marker joint collar @ 6110')
- TIH w/ composite BP and set @ 6900', 62.0°. Load well, test csg to 5000 psi and verify integrity. Top with 2 sxs 15.8#/gal CI G cement.
- TIH w/ composite BP and set @ 6410'.
- TIH w/ composite BP and set @ 6362'.
- TIH with perf gun and perforate squeeze holes from 6340'-6352'.
- TIH with tubing to 6352'. Establish injection rate and modify nanosealant volumes based on injection test results.
- RU SLB cementing company. Pump 10 bbls Nanosealant down tubing from 5902'-6352'.
- 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.
- TIH and mill out remaining squeeze sealant from 5902' to 6352' and CBP @ 6362'. TOOH.
- RU wireline company. Run csg scraper from 6400'-5900'.
- Run CBL from 6400' to surface.
- RU coil company. RIH with 75' casing patch and set from 6310'-6385'.
- Load well, test csg to 9500 psi and verify integrity.
- RU wireline company and make gauge ring run from 6400' to 6300'.
- TIH and millout CBP at 6410' and dump bail and CBP at 6900'. TOOH.
- RDMO.

**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:

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**

Operator Comments:

[Empty box for operator comments]

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

Signed: \_\_\_\_\_ Print Name: Valerie Danson  
Title: reg tech Email: Valerie.Danson@pdce.com Date: 7/26/2021

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

COGCC Approved: Hix, James Date: 7/26/2021

**CONDITIONS OF APPROVAL, IF ANY:**

**Condition of Approval**

**COA Type**

**Description**

	<p>1.) Operator will implement measures to capture, combust, or control emissions to protect health and safety, and to ensure that vapors and odors from subsequent well operations - nanosealant squeeze remedial procedure do not constitute a nuisance or hazard to public health, welfare and the environment. Due to proximity of building units (BUs) all blowdown gases will be controlled.</p> <p>2.) Prior to commencing operations, at a minimum, the operator will provide notice to the owners/occupants of BUs that are adjacent to the parcel on which the well is located. The notice will include the operator's contact information and the nature, timing, and expected duration of the nanosealant squeeze remedial operations.</p>
	<p>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.</p> <p>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.</p> <p>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.</p>

2 COAs

**General Comments**

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

Total: 0 comment(s)

**Attachment List**

<b><u>Att Doc Num</u></b>	<b><u>Name</u></b>
402758935	SUNDRY NOTICE APPROVED
402759595	FORM 4 SUBMITTED

Total Attach: 2 Files