

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: 402736621			
Date Received:			

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		
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:

FNL/FSL		FEL/FWL	
<input type="text" value="371"/>	<input type="text" value="FSL"/>	<input type="text" value="505"/>	<input type="text" value="FEL"/>

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

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
----------------------	----------------------	----------------------	----------------------

Current **Surface** Location **From** QtrQtr Sec

Twp Range Meridian

New **Surface** Location **To** QtrQtr Sec

Twp Range Meridian

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

<input type="text" value="737"/>	<input type="text" value="FSL"/>	<input type="text" value="0"/>	<input type="text" value="FEL"/>
----------------------------------	----------------------------------	--------------------------------	----------------------------------

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

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
----------------------	----------------------	----------------------	----------------------

Current **Top of Productive Zone** Location **From** Sec

Twp Range

New **Top of Productive Zone** Location **To** Sec

Twp Range

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

<input type="text" value="220"/>	<input type="text" value="FNL"/>	<input type="text" value="0"/>	<input type="text" value="FEL"/>
----------------------------------	----------------------------------	--------------------------------	----------------------------------

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

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
----------------------	----------------------	----------------------	----------------------

Current **Bottomhole** Location Sec Twp Range

** attach deviated drilling plan

New **Bottomhole** Location Sec Twp Range

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 07/12/2021

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:

- 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 6600' (top of target marker joint collar @ 5949')
- 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.
- TIH w/ composite BP and set @ 6450'.
- TIH w/ composite BP and set @ 6368'.
- TIH with perf gun and perforate squeeze holes from 6338'-6358'.
- TIH with tubing to 6358'. Establish injection rate and modify nanosealant volumes based on injection test results.
- RU SLB cementing company. Pump 10 bbls Nanosealant down tubing from 5908'-6358'.
- PU tubing to 5800'. Shut in 5-1/2" casing valve and squeeze away 6 bbls through perforations. Hesitation squeeze remaining 4 bbls in ¼-bbl increments every 15 min.
- TIH and mill out remaining squeeze sealant from 5908' to 6358' and CBP @ 6368'. TOOH.
- RU wireline company. Run csg scraper from 6375'-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 6450' and dump bail and CBP at 6550'. 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

	Drilling/Completion Operations	PDC installed sound walls on this location prior to annular fill o-perations to mitigate noise, light and dust.
--	--------------------------------	---

Total: 1 comment(s)

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: Jenifer Hakkarinen

Title: reg tech _____ Email: Jenifer.Hakkarinen@pdce.com _____ Date: _____

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

COGCC Approved: _____ Date: _____

CONDITIONS OF APPROVAL, IF ANY:

<u>COA Type</u>	<u>Description</u>

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>

Total Attach: 0 Files