

**State of Colorado**  
**Oil and Gas Conservation Commission**

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Date Received:			

**SUNDRY NOTICE**

This form is required for reports, updates, and requests as specified in the COGCC rules. It is also used to request changes to some aspects of approved permits for Wells and Oil and Gas Locations.

OGCC Operator Number: <u>10456</u>	Contact Name <u>Reed Haddock</u>
Name of Operator: <u>CAERUS PICEANCE LLC</u>	Phone: <u>(720) 880-6369</u>
Address: <u>1001 17TH STREET #1600</u>	Fax: <u>(303) 565-4606</u>
City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80202</u>	Email: <u>rhaddock@caerusoilandgas.com</u>

**FORM 4 SUBMITTED FOR:**

Facility Type: WELL

API Number : 05- 103 12507 00 ID Number: 479562

Name: ELU O13 FED Number: 21D-24-496

Location QtrQtr: SWSE Section: 13 Township: 4S Range: 96W Meridian: 6

County: RIO BLANCO Field Name: GRAND VALLEY

Oil & Gas Location(s) and Oil & Gas Development Plan (OGDP) Information

Location(s)

Location ID	Location Name and Number
479185	ELU O13-496 Pad

OGDP(s)

No OGDP

**WELL LOCATION CHANGE OR AS-BUILT GPS REPORT**

Change of Location for Well \*     As-Built GPS Location Report     As-Built GPS Location Report with Survey

\* Well Location Change requires a new Plat.

SURFACE LOCATION GPS DATA    Data must be provided for Change of Surface Location and As Built Reports.

Latitude 39.698664    Longitude -108.115876

GPS Quality Value: 1.3    Type of GPS Quality Value: PDOP    Measurement Date: 05/06/2022

Well Ground Elevation: 8114 feet (Required for change of Surface Location.)

**WELL LOCATION CHANGE**

Well plan is: DIRECTIONAL (Vertical, Directional, Horizontal)

				FNL/FSL		FEL/FWL				
Change of <b>Surface</b> Footage <b>From:</b>				<input type="text" value="1280"/>	<input type="text" value="FSL"/>	<input type="text" value="2312"/>	<input type="text" value="FEL"/>			
Change of <b>Surface</b> Footage <b>To:</b>				<input type="text" value="1280"/>	<input type="text" value="FSL"/>	<input type="text" value="2311"/>	<input type="text" value="FEL"/>			
Current <b>Surface</b> Location <b>From</b>	QtrQtr	<input type="text" value="SWSE"/>	Sec	<input type="text" value="13"/>	Twp	<input type="text" value="4S"/>	Range	<input type="text" value="96W"/>	Meridian	<input type="text" value="6"/>
New <b>Surface</b> Location <b>To</b>	QtrQtr	<input type="text" value="SWSE"/>	Sec	<input type="text" value="13"/>	Twp	<input type="text" value="4S"/>	Range	<input type="text" value="96W"/>	Meridian	<input type="text" value="6"/>
Change of <b>Top of Productive Zone</b> Footage <b>From:</b>				<input type="text" value="1070"/>	<input type="text" value="FNL"/>	<input type="text" value="670"/>	<input type="text" value="FEL"/>			
Change of <b>Top of Productive Zone</b> Footage <b>To:</b>				<input type="text" value="1070"/>	<input type="text" value="FNL"/>	<input type="text" value="670"/>	<input type="text" value="FEL"/>	**		
Current <b>Top of Productive Zone</b> Location	Sec	<input type="text" value="24"/>	Twp	<input type="text" value="4S"/>	Range	<input type="text" value="96W"/>				
New <b>Top of Productive Zone</b> Location	Sec	<input type="text" value="24"/>	Twp	<input type="text" value="4S"/>	Range	<input type="text" value="96W"/>				

Change of **Base of Productive Zone** Footage **From:**

 FNL FEL

Change of **Base of Productive Zone** Footage **To:**

\*\*

Current **Base of Productive Zone** Location

Sec Twp Range 

New **Base of Productive Zone** Location

Sec Twp Range 

Change of **Bottomhole** Footage **From:**

 1105 FNL 764 FEL

Change of **Bottomhole** Footage **To:**

 1105 FNL 764 FEL

\*\*

Current **Bottomhole** Location

Sec Twp Range 

\*\* attach deviated drilling plan

New **Bottomhole** Location

Sec Twp Range 

### SAFETY SETBACK INFORMATION

Required for change of Surface Location.

Distance from Well to nearest:

Building: 374 Feet  
 Building Unit: 5280 Feet  
 Public Road: 540 Feet  
 Above Ground Utility: 5280 Feet  
 Railroad: 5280 Feet  
 Property Line: 1280 Feet

#### INSTRUCTIONS:

- Specify all distances per Rule 308.b.(1).
- Enter 5280 for distance greater than 1 mile.
- Building - nearest building of any type. If nearest Building is a Building Unit, enter same distance for both.
- Building Unit – as defined in 100 Series Rules.

### SUBSURFACE MINERAL SETBACKS

Required for change of Top and/or Base of Productive Zone. Enter 5280 for distance greater than 1 mile.

Is this Well within a unit? Yes

If YES:

Enter the minimum distance from the Completed Zone of this Well to the Unit Boundary: 1070 Feet

Enter the minimum distance from the Completed Zone of this Well to the Completed Zone of an offset Well within the same unit permitted or completed in the same formation: 270 Feet

If NO:

Enter the minimum distance from the Completed Zone of this Well to the Lease Line of the described lease: \_\_\_\_\_ Feet

Enter the minimum distance from the Completed Zone of this Well to the Completed Zone of an offset Well producing from the same lease and permitted or completed in the same formation: \_\_\_\_\_ Feet

### Exception Location

If this Well requires the approval of a Rule 401.c Exception Location, enter the Rule or spacing order number and attach the Exception Location Request and Waivers. \_\_\_\_\_

### LOCATION CHANGE COMMENTS

### CHANGE OR ADD OBJECTIVE FORMATION AND/OR SPACING UNIT

Objective Formation	Formation Code	Spacing Order Number	Unit Acreage	Unit Configuration	Add	Modify	No Change	Delete
WILLIAMS FORK	WMFK	1-229					X	



Comments:

**ENGINEERING AND ENVIRONMENTAL WORK**

REPORT OF TEMPORARY ABANDONMENT

Describe the method used to ensure that the Well is closed to the atmosphere and the Operator's plans for future operation of the Well in the COMMENTS box below as required by Rule 434.b.(1).

REQUEST FOR TEMPORARY ABANDONMENT EXCEEDING 6 MONTHS

State the reason for the extension request and explain the Operator's plans for future operation of the Well in the COMMENTS box below as required by Rule 434.b.(3).

Date well temporarily abandoned \_\_\_\_\_

Has Production Equipment been removed from site? \_\_\_\_\_

Mechanical Integrity Test (MIT) required. Date of last MIT \_\_\_\_\_

**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/REQUEST FOR APPROVAL      Approximate Start Date    04/03/2023

SUBSEQUENT REPORT      Date of Activity \_\_\_\_\_

- |   |  |  |
|---|--|--|
| <input type="checkbox"/> Bradenhead Plan  | <input type="checkbox"/> Venting or Flaring (Rule 903) | <input type="checkbox"/> E&P Waste Mangement           |
| <input checked="" 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"/> Underground Injection Control  |  |  |
| <input type="checkbox"/> Request approval of Reuse and Recycling Plan per Rule 905.a.(3). (Reuse and Recycling Plan must be attached.)                    |  |  |
| <input type="checkbox"/> Request approval of Alternative Sampling Plan per Rule 909.j.(6). for this Pit. (Alternative Sampling Program must be attached.) |  |  |
| <input type="checkbox"/> Other  |  |  |

Request that an existing produced water sample from the same formation be used per Rule 909.j.(6) to meet the requirements of Rule 909.j.(1)-(5) for this Well.

Pit ID \_\_\_\_\_ Pit Name \_\_\_\_\_

(No Sample Provided)

Subsequent well operations with heavy equipment (Rule 312)

(No Well Provided)

COMMENTS:

**GAS CAPTURE**

VENTING AND FLARING:

Operation type: \_\_\_\_\_ Operational phase requiring venting/flaring: \_\_\_\_\_

Reason for venting/flaring: \_\_\_\_\_

Describe Other reason for venting/flaring:

Describe why venting or flaring is necessary. If reporting per Rule 903.b.(2), 903.c.(3).C, or 903.d.(2), include the explanation, rationale, and cause of the event:

Describe how the operation will protect and minimize adverse impacts to public health, safety, welfare, the environment, and wildlife resources. If reporting per Rule 903.d.(2), include BMPs used to minimize venting on the BMP Tab:

Total volume of gas vented or flared: \_\_\_\_\_ mcf  estimated  measured

Total duration of emission event: \_\_\_\_\_ hours  consecutive  cumulative

Submit a single representative gas analysis via Form 43 to create a Sample Site Facility ID# for this Location. Reference the Form 43 document number on the Related Forms tab.

Sample Site Facility ID#: \_\_\_\_\_

**GAS CAPTURE PLAN**

Describe the plan to connect to a gathering line or beneficially use the gas; include anticipated timeline:

A Gas Capture Plan that meets the requirements of Rule 903.e is attached.

**CASING PROGRAM**

<u>Casing Type</u>	<u>Size of Hole</u>	<u>Size of Casing</u>	<u>Grade</u>	<u>Wt/Ft</u>	<u>Csg/Liner Top</u>	<u>Setting Depth</u>	<u>Sacks Cmt</u>	<u>Cmt Btm</u>	<u>Cmt Top</u>
CONDUCTOR	30	20	A252	54#	0	100	218	100	0
SURF	14+3/4	9+5/8	J55	36#	0	3400	800	3400	1000
1ST	8+3/4	4+1/2	HCP110	11.6#	0	13344	1462	13344	4200
		9+5/8		Stage Tool	0	1000	223	1000	0

**POTENTIAL FLOW AND CONFINING FORMATIONS**

<u>Zone Type</u>	<u>Formation /Hazard</u>	<u>Top M.D.</u>	<u>Top T.V.D.</u>	<u>Bottom M.D.</u>	<u>Bottom T.V.D.</u>	<u>TDS (mg/L)</u>	<u>Data Source</u>	<u>Comment</u>
Groundwater	Green River	0	0	4100	3886	501-1000	DWR	
Confining Layer	Wasatch	4114	3899	6691	6299			
Hydrocarbon	Wasatch G	6691	6299	7013	6599			The Wasatch G is a nonproductive zone in the referenced area of the basin.
Confining Layer	Fort Union	7013	6599	9109	8584			
Hydrocarbon	Ohio Creek	9109	8584	9582	9057	>10000	Produced Water Sample	
Hydrocarbon	Williams Fork	9582	9057	12294	11768	>10000	Produced Water Sample	
Hydrocarbon	Cameo	12294	11768	12844	12318	>10000	Produced Water Sample	
Hydrocarbon	Rollins	12844	12318	13344	12818	>10000	Produced Water Sample	

**H2S REPORTING**

- Intentional release of H2S gas due to Upset Condition or malfunction.
- Intent to temporarily abandon well with potential H2S concentration >100 ppm.

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:

**OIL & GAS LOCATION UPDATES**

OGDP ID \_\_\_\_\_ OGDP Name \_\_\_\_\_

**SITE EQUIPMENT LIST UPDATES**

Indicate the number and type of major equipment components planned for use on this Oil and Gas Location:

Wells _____	Oil Tanks _____	Condensate Tanks _____	Water Tanks _____	Buried Produced Water Vaults _____
Drilling Pits _____	Production Pits _____	Special Purpose Pits _____	Multi-Well Pits _____	Modular Large Volume Tank _____
Pump Jacks _____	Separators _____	Injection Pumps _____	Heater-Treaters _____	Gas Compressors _____
Gas or Diesel Motors _____	Electric Motors _____	Electric Generators _____	Fuel Tanks _____	LACT Unit _____
Dehydrator Units _____	Vapor Recovery Unit _____	VOC Combustor _____	Flare _____	Enclosed Combustion Devices _____
Meter/Sales Building _____	Pigging Station _____		Vapor Recovery Towers _____	

**OTHER PERMANENT EQUIPMENT UPDATES**

**OTHER TEMPORARY EQUIPMENT UPDATES**

**CULTURAL AND SAFETY SETBACK UPDATES**

**OTHER LOCATION CHANGES AND UPDATES**

Provide a description of other changes or updates to technical information for this Location:

**POTENTIAL OGDP UPDATES**

**PROPOSED CHANGES TO AN APPROVED OGDP**

This Sundry Form 4 is being submitted pursuant to Rule 301.c to propose changes to an approved Oil and Gas Development Plan.

Check all boxes that pertain to the type(s) of changes being proposed for this OGDG:

- |  |  |
|--|--|
| <input type="checkbox"/> Add Oil and Gas Location(s)                     | <input type="checkbox"/> Add Drilling and Spacing Unit(s)    |
| <input type="checkbox"/> Amend Oil and Gas Location(s)                   | <input type="checkbox"/> Amend Drilling and Spacing Unit(s)  |
| <input type="checkbox"/> Remove Oil and Gas Location(s)                  | <input type="checkbox"/> Remove Drilling and Spacing Unit(s) |
| <input type="checkbox"/> Oil and Gas Location attachment or plan updates | <input type="checkbox"/> Amend the lands subject to the OGDG |
| <input type="checkbox"/> Other   |  |

Provide a detailed description of the changes being proposed for this OGDG. Attach supporting documentation such as maps if necessary.

### Best Management Practices

**No BMP/COA Type**

**Description**

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Operator Comments:

The ELU O13-496 Pad will spud in early April 2023. The previously submitted directional plans, location survey plats, and casing design have been revised. The amended APD was approved February 22, 2023.

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

Signed: \_\_\_\_\_ Print Name: Reed Haddock  
 Title: Regulatory Lead Email: rhaddock@caerusoilandgas.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:

**COA Type**

**Description**

0 COA	

### General Comments

**User Group**

**Comment**

**Comment Date**

		Stamp Upon Approval
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Total: 0 comment(s)

### Attachment List

**Att Doc Num**

**Name**

403334951	DEVIATED DRILLING PLAN
403339451	WELL LOCATION PLAT
403339453	DIRECTIONAL DATA

Total Attach: 3 Files