

**State of Colorado**  
**Energy & Carbon Management Commission**

1120 Lincoln Street, Suite 801, Denver, Colorado 80203  
Phone: (303) 894-2100 Fax: (303) 894-2109



DE	ET	OE	ES
Document Number: <b>403987474</b>			
Date Received:			

**SUNDRY NOTICE**

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

ECMC Operator Number: <u>10456</u>	Contact Name <u>Ally Ota</u>
Name of Operator: <u>CAERUS PICEANCE LLC</u>	Phone: <u>(303) 565-4600</u>
Address: <u>1001 17TH STREET #1600</u>	Fax: ( )
City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80202</u>	Email: <u>aota@qb-energy.com</u>

**FORM 4 SUBMITTED FOR:**

Facility Type: WELL

API Number : 05- 103 12690 00 ID Number: 486809

Name: RNPU B27 FED Number: 14C-22-197

Location QtrQtr: Lot 3 Section: 27 Township: 1S Range: 97W Meridian: 6

County: RIO BLANCO Field Name: PICEANCE CREEK

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

Location(s)

Location ID	Location Name and Number
485795	PCU FED B27-197

OGDP(s)

OGDP ID	OGDP Name
485279	RNPU PHASE 1

**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 39.941158      Longitude -108.269231

GPS Quality Value: 1.4    Type of GPS Quality Value: PDOP    Measurement Date: 09/12/2022

Well Ground Elevation: 6516 feet (Required for change of Surface Location.)

**WELL LOCATION CHANGE**

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

Change of <b>Surface</b> Footage <b>From:</b>		FNL/FSL		FEL/FWL	
<u>606</u>	<u>FNL</u>	<u>2450</u>	<u>FWL</u>		
Change of <b>Surface</b> Footage <b>To:</b>		FNL/FSL		FEL/FWL	
<u>538</u>	<u>FNL</u>	<u>2425</u>	<u>FWL</u>		

Current <b>Surface</b> Location <b>From</b>	QtrQtr	Lot	Sec	Twp	Range	Meridian
	<u>Lot 3</u>	<u>27</u>	<u>1S</u>	<u>97W</u>	<u>6</u>	
New <b>Surface</b> Location <b>To</b>	QtrQtr	Lot	Sec	Twp	Range	Meridian
	<u>Lot 3</u>	<u>27</u>	<u>1S</u>	<u>97W</u>	<u>6</u>	

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

1523 FSL

1440 FWL

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

1940 FSL

1086 FWL

\*\*

Current **Top of Productive Zone** Location

Sec 22

Twp 1S

Range 97W

New **Top of Productive Zone** Location

Sec 22

Twp 1S

Range 97W

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

FSL

FWL

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

1858 FSL

1029 FWL

\*\*

Current **Base of Productive Zone** Location

Sec

Twp

Range

New **Base of Productive Zone** Location

Sec 22

Twp 1s

Range 97W

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

1441 FSL

1382 FWL

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

1858 FSL

1029 FWL

\*\*

Current **Bottomhole** Location

Sec 22

Twp 1S

Range 97W

\*\* attach deviated drilling plan

New **Bottomhole** Location

Sec 22

Twp 1S

Range 97W

### SAFETY SETBACK INFORMATION

Required for change of Surface Location.

Distance from Well to nearest:

Building: 5280 Feet  
 Building Unit: 5280 Feet  
 Public Road: 3677 Feet  
 Above Ground Utility: 4942 Feet  
 Railroad: 5280 Feet  
 Property Line: 3750 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: 1858 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: 351 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

\_\_\_\_\_





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	H40	54	0	100	220	100	0
SURF	14+3/4	9+5/8	J55	36	0	2500	842	2500	0
1ST	8+3/4	4+1/2	HCP110	13.5	0	13824	1432	13824	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	Unitah	0	0	2600	2498	501-1000	CGS	
Confining Layer	Wasatch	2766	2653	5884	5577			
Hydrocarbon	Wasatch G	5884	5577	6385	6047			The Wasatch G is a nonproductive zone in the referenced area of basin.
Confining Layer	Fort Union	6385	6047	7969	7561			
Hydrocarbon	Ohio Creek	7969	7561	8719	8311	>10000	Produced Water Sample	
Hydrocarbon	Williams Fork	8719	8311	11616	11207	>10000	Produced Water Sample	
Hydrocarbon	Cameo	11616	11207	12166	11757	>10000	Produced Water Sample	
Hydrocarbon	Rollins	12166	11757	12262	11853	>10000	Produced Water Sample	The Rollins is a nonproductive zone in the referenced area of basin.
Hydrocarbon	Cozzette	12262	11853	12862	12453	>10000	Produced Water Sample	
Hydrocarbon	Corcoran	12862	12453	13824	13253	>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:

[Empty text box]

**POTENTIAL OGDG UPDATES**

**PROPOSED CHANGES TO AN APPROVED OGDG**

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:

- Add Oil and Gas Location(s)
- Add Drilling and Spacing Unit(s)
- Amend Oil and Gas Location(s)
- Amend Drilling and Spacing Unit(s)
- Remove Oil and Gas Location(s)
- Remove Drilling and Spacing Unit(s)
- Oil and Gas Location attachment or plan updates
- Amend the lands subject to the OGDG
- Other

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

[Empty text box]

**Best Management Practices**

No	BMP/COA Type	Description
1	Drilling/Completion Operations	A closed loop system will be used. <b>DRILL CUTTINGS:</b> Drill cuttings will be stored in steel bins. Cuttings samples may be collected when drilling is initiated for waste characterization. Based on the analytical results, drill cuttings will be managed and disposed of pursuant to ECMC rule 905.e. <b>CONTAINMENT:</b> During completions, QB may utilize 15-20 temporary tanks to hold frac fluid and flowback water. <b>FLOWBACK &amp; STIMULATION:</b> As wells progress from the drilling stage to the completions stage temporary working tanks will be situated on the RNPU Fed A27-197 CDP. QB estimates that there could be 15-20 500-bbl tanks on location for roughly 18-months as the wells progress from the drilling to completions stage during Sim-Ops. The contents of the tanks will contain produced water. The entire Oil and Gas Location for the RNPU Fed A27-197 will include a compacted earthen berm perimeter around the operational area. Once the working tanks are no longer necessary for operations the tanks will be removed.

Total: 1 comment(s)

**Operator Comments:**

The sundry is being submitted to update footages on the subject well.

The distance to the nearest well completed in the same formation is the RNPU B27 Fed 14D-22-197 per the anti-collision report.

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

Signed: \_\_\_\_\_ Print Name: Ally Ota

Title: Sr. Regulatory Analyst Email: aota@qb-energy.com Date: \_\_\_\_\_

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

ECMC Approved: \_\_\_\_\_ Date: \_\_\_\_\_

**CONDITIONS OF APPROVAL, IF ANY LIST**

**COA Type**

**Description**

0 COA	

**General Comments**

**User Group**

**Comment**

**Comment Date**

		Stamp Upon Approval
--	--	---------------------

Total: 0 comment(s)

**ATTACHMENT LIST**

**Att Doc Num**

**Name**

403987516	WELL LOCATION PLAT
403992793	DEVIATED DRILLING PLAN
403992820	DIRECTIONAL DATA

Total Attach: 3 Files