

State of Colorado
Oil and Gas Conservation Commission

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DE	ET	OE	ES
Document Number: <u>402722729</u>			
Date Received: <u>06/21/2021</u>			

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: <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>

API Number : <u>05-</u> <u>045</u> <u>24342</u> <u>00</u>	OGCC Facility ID Number: <u>476660</u>
Well/Facility Name: <u>BJU G35 FED</u>	Well/Facility Number: <u>13D-35-496</u>
Location QtrQtr: <u>SWNE</u> Section: <u>35</u> Township: <u>4S</u> Range: <u>96W</u> Meridian: <u>6</u>	
County: <u>GARFIELD</u> Field Name: <u>GRAND VALLEY</u>	
Federal, Indian or State Lease Number: <u>COC069557</u>	

Complete the Attachment
Checklist

OP OGCC

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 39.660484 GPS Quality Value: 1.5 Type of GPS Quality Value: PDOP Measurement Date: 06/18/2021
Longitude -108.134766

LOCATION CHANGE (all measurements in Feet)

Well will be: DIRECTIONAL (Vertical, Directional, Horizontal)

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

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

Current **Surface** Location **From** QtrQtr SWNE Sec 35

New **Surface** Location **To** QtrQtr SWNE Sec 35

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 35

New **Top of Productive Zone** Location **To** Sec 35

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

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

Current **Bottomhole** Location Sec 35 Twp 4S

New **Bottomhole** Location Sec 35 Twp 4S

Is location in High Density Area? No

Distance, in feet, to nearest building 5280, public road: 2551, above ground utility: 5280, railroad: 5280,

property line: 3293, lease line: 383, well in same formation: 980

Ground Elevation 8166 feet Surface owner consultation date _____

FNL/FSL		FEL/FWL	
<u>2041</u>	<u>FNL</u>	<u>2318</u>	<u>FEL</u>
<u>2035</u>	<u>FNL</u>	<u>2310</u>	<u>FEL</u>
Twp <u>4S</u>	Range <u>96W</u>	Meridian <u>6</u>	
Twp <u>4S</u>	Range <u>96W</u>	Meridian <u>6</u>	
<u>2484</u>	<u>FSL</u>	<u>822</u>	<u>FWL</u>
<u>2330</u>	<u>FSL</u>	<u>1465</u>	<u>FWL</u>
Twp <u>4S</u>	Range <u>96W</u>		
Twp <u>4S</u>	Range <u>96W</u>		
<u>2451</u>	<u>FSL</u>	<u>728</u>	<u>FWL</u>
<u>2297</u>	<u>FSL</u>	<u>1371</u>	<u>FWL</u>
Range <u>96W</u>			
Range <u>96W</u>			

** 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 BJU G35 FED Number 13D-35-496 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 12/01/2021

☐ 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 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"/> Rule 502 variance requested. Must provide detailed info regarding request. | |
| <input type="checkbox"/> Bradenhead Plan | <input type="checkbox"/> Status Update/Change of Remediation Plans for Spills and Releases | |
| <input type="checkbox"/> Other _____ | | |

COMMENTS:

The directional plan and data have been revised along with the cement and casing design. Attached find a revised directional survey, revised excel data spreadsheet and revised Location Survey Plat. The revised TD is 11,787' MD.

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	3000	710	3000	0
1ST	8+3/4	4+1/2	HCP110	11.6#	0	11787	1460	11787	3000

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	1800	1761	501-1000	CGS	
Confining Layer	Wasatch	2561	2498	5600	5443			
Hydrocarbon	Wasatch G	5657	5498	5900	5734			The Wasatch G is a non-productive zone in the referenced area of the basin.
Confining Layer	Ft. Union	5963	5795	8000	7779			
Hydrocarbon	Ohio Creek	8015	7793	8200	7978	>10000	Produced Water Sample	
Hydrocarbon	Williams Fork	8267	8045	10900	10677	>10000	Produced Water Sample	
Hydrocarbon	Cameo	10990	10767	11500	11277	>10000	Produced Water Sample	
Hydrocarbon	Rollins	11587	11363	11787	11563	>10000	Produced Water Sample	

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:

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: 6/21/2021

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

COGCC Approved: Katz, Aaron Date: 6/29/2021

CONDITIONS OF APPROVAL, IF ANY:

Condition of Approval

COA Type**Description**

1)Operator shall comply with the most current revision of the Northwest Notification Policy.

2)Operator shall comply with the most current revision of the Garfield County Rulison Field Notice to Operators, with the following exception: All field notice requirements specified in that Notice to Operators are superseded by the requirements of the most current revision of the Northwest Colorado Notification Policy (see Condition of Approval #1).

3)Operator shall provide cement coverage from the production casing shoe (4+1/2" FIRST STRING) to a minimum of 200' above all Mesaverde Group (and Ohio Creek Formation, if present) oil, gas, and water-bearing sandstone and coalbed formations. Verify production casing cement coverage with a cement bond log.

4)The well in question, API# 05-045-15606 SGU CP08D-34 H34 49, was not plugged with proper isolation of producing formations. This well is within 1500 ft. of the following wells on the BJU G35 496 pad:

- 1) BJU G35 FED 12B-35-496
- 2) BJU G35 FED 12D-35-496
- 3) BJU G35 FED 13B-35-496
- 4) BJU G35 FED 13D-35-496

Operator acknowledges the proximity of the listed wells. Operator will submit a Form 42 ("OTHER - AS SPECIFIED BY PERMIT CONDITION") stating that appropriate mitigation will be completed during the hydraulic stimulation of this permitted well. This Form 42 shall be filed 48 hours prior to stimulation. If completions for the 4 listed wells are planned above a TVD of 8,147 ft. provide the perforation depths and stimulation plan to the COGCC area engineer for review at least 48 hours prior to the stimulation.

1 COA

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	<p>Offset water well check: COGCC evaluated offset water wells within one mile of this proposed well's surface hole location. This information in addition to locally-available geophysical logs and hydrogeologic information was used to evaluate the adequacy of the operator's proposed surface casing setting depth. The deepest water well within one mile is 700 feet. None of the water wells within one mile are for domestic use.</p> <p>Offset Well Evaluation: COGCC Engineering contacted operator during the original APD process, concerned about potential for this proposed well to communicate with an offset plugged well during stimulation.</p> <p>Existing Offset Producing Well of Concern: API# 05-045-15606 SGU CP08D-34 H34 49, was not plugged with proper isolation of producing formations. This well is within 1500 ft. of the following wells on the BJU G35 496 pad:</p> <ol style="list-style-type: none">1) BJU G35 FED 12B-35-4962) BJU G35 FED 12D-35-4963) BJU G35 FED 13B-35-4964) BJU G35 FED 13D-35-496 <p>Operator will follow COA#4 to mitigate any potential communication between wells.</p>	06/29/2021
Total: 1 comment(s)		

Attachment List

<u>Att Doc Num</u>	<u>Name</u>
402722729	SUNDRY NOTICE APPROVED-LOC-DRLG-CSG
402722731	DEVIATED DRILLING PLAN
402722732	DIRECTIONAL DATA
402722734	WELL LOCATION PLAT
402732422	FORM 4 SUBMITTED
Total Attach: 5 Files	