

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: 402721058			
Date Received: 06/21/2021			

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

API Number : 05- 045 24336 00	OGCC Facility ID Number: 476654
Well/Facility Name: BJU G35 FED	Well/Facility Number: 13B-35-496
Location QtrQtr: SWNE Section: 35 Township: 4S Range: 96W Meridian: 6	
County: GARFIELD Field Name: GRAND VALLEY	
Federal, Indian or State Lease Number: COC061138	

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 **39.660627** GPS Quality Value: **1.6** Type of GPS Quality Value: **PDOP** Measurement Date: **06/14/2021**
Longitude **-108.134919**

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: **2555**, above ground utility: **5280**, railroad: **5280**,

property line: **3299**, lease line: **533**, well in same formation: **450**

Ground Elevation **8166** feet Surface owner consultation date _____

FNL/FSL		FEL/FWL	
2035	FNL	2310	FEL
1983	FNL	2353	FEL
Twp 4S	Range 96W	Meridian 6	
Twp 4S	Range 96W	Meridian 6	
2295	FNL	913	FWL
2073	FNL	843	FWL
Twp 4S	Range 96W		
Twp 4S	Range 96W		
2328	FNL	819	FWL
2107	FNL	749	FWL
Range 96W			
Range 96W			

**

**

** 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 13B-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 11,900' MD.

CASING PROGRAM

Casing Type	Size of Hole	Size of Casing	Grade	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top
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	11900	1465	11900	3000

POTENTIAL FLOW AND CONFINING FORMATIONS

Zone Type	Formation /Hazard	Top M.D.	Top T.V.D.	Bottom M.D.	Bottom T.V.D.	TDS (mg/L)	Data Source	Comment
Groundwater	Green River	0	0	2300	2233	501-1000	CGS	
Confining Layer	Wasatch	2601	2520	5700	5482			
Hydrocarbon	Wasatch G	5739	5520	6000	5769			The Wasatch G is a non-productive zone in the referenced area in basin.
Confining Layer	Ft. Union	6036	5803	7500	7203			
Hydrocarbon	Ohio Creek	8120	7812	8300	7992	>10000	Produced Water Sample	
Hydrocarbon	Williams Fork	8369	8061	11100	10791	>10000	Produced Water Sample	
Hydrocarbon	Cameo	11104	10795	11700	11391	>10000	Produced Water Sample	
Hydrocarbon	Rollins	11700	11391	11900	11591	>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

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**User Group****Comment****Comment Date**

Engineer

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.

06/29/2021

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.

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:

- 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 will follow COA#4 to mitigate any potential communication between wells.

Total: 1 comment(s)

Attachment List

<u>Att Doc Num</u>	<u>Name</u>
402721058	SUNDRY NOTICE APPROVED-LOC-DRLG-CSG
402721065	DEVIATED DRILLING PLAN
402721066	WELL LOCATION PLAT
402721981	DIRECTIONAL DATA
402732382	FORM 4 SUBMITTED
Total Attach: 5 Files	