

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: 402745759			
Date Received: 07/13/2021			

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

Complete the Attachment
Checklist

OP OGCC

API Number : 05- 103 12385 00 OGCC Facility ID Number: 467516
 Well/Facility Name: ELU J14 FED Well/Facility Number: 13D-14-496
 Location QtrQtr: NESW Section: 14 Township: 4S Range: 96W Meridian: 6
 County: RIO BLANCO Field Name: GRAND VALLEY
 Federal, Indian or State Lease Number: COC057684

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 39.700789 GPS Quality Value: 1.5 Type of GPS Quality Value: PDOP Measurement Date: 01/20/2021
 Longitude -108.136565

LOCATION CHANGE (all measurements in Feet)

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

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

FNL/FSL		FEL/FWL	
<u>1991</u>	<u>FSL</u>	<u>2421</u>	<u>FWL</u>

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

<u>1991</u>	<u>FSL</u>	<u>2421</u>	<u>FWL</u>
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Current **Surface** Location **From** QtrQtr NESW Sec 14

Twp <u>4S</u>	Range <u>96W</u>	Meridian <u>6</u>
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New **Surface** Location **To** QtrQtr NESW Sec 14

Twp <u>4S</u>	Range <u>96W</u>	Meridian <u>6</u>
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Change of **Top of Productive Zone** Footage **From** Exterior Section Lines:

<u>2404</u>	<u>FSL</u>	<u>1314</u>	<u>FWL</u>
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Change of **Top of Productive Zone** Footage **To** Exterior Section Lines:

<u>2586</u>	<u>FSL</u>	<u>750</u>	<u>FWL</u>	**
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Current **Top of Productive Zone** Location **From** Sec 14

Twp <u>4S</u>	Range <u>96W</u>
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New **Top of Productive Zone** Location **To** Sec 14

Twp <u>4S</u>	Range <u>96W</u>
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Change of **Bottomhole** Footage **From** Exterior Section Lines:

<u>2378</u>	<u>FSL</u>	<u>1269</u>	<u>FWL</u>
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Change of **Bottomhole** Footage **To** Exterior Section Lines:

<u>2556</u>	<u>FSL</u>	<u>667</u>	<u>FWL</u>	**
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Current **Bottomhole** Location Sec 14 Twp 4S Range 96W

** attach deviated drilling plan

New **Bottomhole** Location Sec 14 Twp 4S Range 96W

Is location in High Density Area? No

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

property line: 677, lease line: 2556, well in same formation: 270

Ground Elevation 7902 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 08/30/2021

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:

Caerus Piceance LLC revised the proposed TD of wellbore. Attached find a revised directional plan and data. The revised TD is 12,300' MD. The proposed production casing and cement is revised. Attached find the as-built location survey plat showing both the SHL and the revised TOG and BHL.

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	994	3000	0
1ST	8+3/4	4+1/2	HCP110	11.6#	0	12300	1565	12300	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	1767	501-1000	CGS	
Confining Layer	Wasatch	3304	3232	5700	5568			
Hydrocarbon	Wasatch G	5766	5632	6400	6250			The Wasatch G is a non-productive zone in the referenced area of the basin.
Confining Layer	Ft. Union	6411	6260	8300	8107			
Hydrocarbon	Ohio Creek	8369	8176	8700	8507	>10000	Produced Water Sample	
Hydrocarbon	Williams Fork	8750	8557	11200	11006	>10000	Produced Water Sample	
Hydrocarbon	Cameo	11265	11071	12100	11906	>10000	Produced Water Sample	
Hydrocarbon	Rollins	12100	11906	12300	12106	>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

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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: 7/13/2021

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: 7/21/2021

CONDITIONS OF APPROVAL, IF ANY:

Condition of Approval

COA Type

Description

	<p>1) Operator shall comply with the most current revision of the Northwest Notification Policy.</p> <p>2) 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.</p> <p>3) During stimulation, operator shall monitor the bradenhead, casing, and tubing pressure of the proposed well and all offset wells under Operator's control which penetrate the stimulated formation and have a treated interval separation of 300 feet or less. Operator shall notify COGCC Engineering staff if bradenhead pressures increase by more than 200 psig.</p>
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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 75 feet. None of the water wells within one mile are for domestic use.</p> <p>Offset Well Evaluation: Existing offset oil and gas wells within 1,500 feet of this wellbore meet standards. No mitigation required.</p>	07/21/2021

Total: 1 comment(s)

Attachment List

Att Doc Num	Name
402745759	SUNDRY NOTICE APPROVED-LOC-DRLG-CSG
402745767	WELL LOCATION PLAT
402745769	DEVIATED DRILLING PLAN
402745770	DIRECTIONAL DATA
402755001	FORM 4 SUBMITTED
Total Attach: 5 Files	