

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: 401120880			
Date Received: 09/29/2016			

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- 045 23079 00 OGCC Facility ID Number: 445181
 Well/Facility Name: Savage Well/Facility Number: 8A-794-SWD
 Location QtrQtr: NENE Section: 8 Township: 7S Range: 94W Meridian: 6
 County: GARFIELD Field Name: RULISON
 Federal, Indian or State Lease Number: _____

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 _____ PDOP Reading _____ Date of Measurement _____
 Longitude _____ GPS Instrument Operator's Name _____

LOCATION CHANGE (all measurements in Feet)

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

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

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

Current **Surface** Location **From** QtrQtr NENE Sec 8

New **Surface** Location **To** QtrQtr _____ Sec _____

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 8

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

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

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

Current **Bottomhole** Location Sec 8 Twp 7S

New **Bottomhole** Location Sec _____ Twp _____

Is location in High Density Area? _____

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

property line: _____, lease line: _____, well in same formation: _____

Ground Elevation _____ feet Surface owner consultation date _____

FNL/FSL		FEL/FWL	
<u>532</u>	<u>FNL</u>	<u>1216</u>	<u>FEL</u>
_____	_____	_____	_____
Twp <u>7S</u>	Range <u>94W</u>	Meridian <u>6</u>	
Twp _____	Range _____	Meridian _____	
<u>386</u>	<u>FNL</u>	<u>1368</u>	<u>FEL</u>
_____	_____	_____	_____
Twp <u>7S</u>	Range <u>94W</u>		
Twp _____	Range _____		
<u>386</u>	<u>FNL</u>	<u>1368</u>	<u>FEL</u>
_____	_____	_____	_____
Twp <u>7S</u>	Range <u>94W</u>		
Twp _____	Range _____		

**

**

** attach deviated drilling plan

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 10/03/2016

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 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 checked="" type="checkbox"/> Other <u>Completion Operation</u>	<input type="checkbox"/> Status Update/Change of Remediation Plans for Spills and Releases	

COMMENTS:

Caerus Piceance LLC is requesting permission to: 1. 26,000 bbl frac design on the 8A SWD; 2. Water source will be produced flowback water from Rulison; 3. Start Date October 3, 2016.

Technical Objective: The objective is to determine if we can get fracture width after we have established the theoretical fracture half-lenth and ultimately reduce our surface injection pressures. Caerus Piceance LLC plans to complete the first set of perforations as described above, and plans to add additional perforations after completion, as needed for optimal injection.

Development Objective: Caerus Piceance LLC wants to reduce the number of SWDs we have. Our current development plans call for drilling of SWDs on multiple pads. If we can establish greater fracture area, we anticipate being able to reduce the number of SWDs in our development plans.

CASING AND CEMENTING CHANGES

Casing Type	Size	Of	/	Hole	Size	Of	/	Casing	Wt/Ft	Csg/LinTop	Setting Depth	Sacks of Cement	Cement Bottom	Cement Top

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:

<u>Best Management Practices</u>	
<u>No BMP/COA Type</u>	<u>Description</u>

Operator Comments:

[Empty box for 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: Sr. Regulatory Specialist Email: rhaddock@caerusoilandgas.com Date: 9/29/2016

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

COGCC Approved: KOEHLER, BOB Date: 9/30/2016

CONDITIONS OF APPROVAL, IF ANY:

COA Type

Description

	Operator to submit a summary report to COGCC via Form 4-Sundry Notice at conclusion of project. Include brief discussion of operations, any successes, failures, and summary plots, graphs, and/or data as needed. COGCC wants general idea of injection pressures, injection rates, sand volumes.
	Operator to file a Frac Focus Report upon conclusion of stimulation project. Report due 30 days after rig pulls off site.
	1) Notify Bob Koehler at (970) 894-2100 x 5147 at least 24-hours prior to commencing the stimulation. 2) The volume must not exceed 26,000 bbls and the stimulation duration must not exceed 26 days. 3) Contact Bob Koehler at (970) 894-2100 x 5147 to discuss test progress when the cumulative volume injected reaches 15,000 bbls. Pending results, COGCC Staff may consider an increase in the allowable test volume and/or duration. 4) Monitor the bradenhead, tubing and casing pressures during injection of the entire approved 26,000 bbl volume. Notify Bob Koehler if bradenhead pressure increase of more than 100 psi is observed.

General Comments

User Group	Comment	Comment Date
UIC	Operator says they only intend to perforate 5,540-5,542 feet. This will limit height, width, and depths of fractures.	9/30/2016 10:08:29 AM

Total: 1 comment(s)

Attachment Check List

Att Doc Num	Name
401120880	SUNDRY NOTICE APPROVED-OTHER
401121082	CORRESPONDENCE
401121427	FORM 4 SUBMITTED

Total Attach: 3 Files