FORM 4
Rev 02/20

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: 402433706

Date Received:

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 Jake Janicek

Name of Operator: CAERUS PICEANCE LLC Phone: (970) 778-2314

Address: 1001 17TH STREET #1600 Fax: ( )

City: DENVER State: CO Zip: 80202 Email: jjanicek@caerusoilandgas.com

Complete the Attachment Checklist

OP OGCC

API Number : 05- 045 00 OGCC Facility ID Number: 433706

Well/Facility Name: Rose Well/Facility Number: K22W

Location QtrQtr: NESW Section: 22 Township: 7S Range: 93W Meridian: 6

County: GARFIELD Field Name: MAMM CREEK

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 GPS Quality Value: Type of GPS Quality Value: Measurement Date:

Longitude GPS Instrument Operator's Name

LOCATION CHANGE **(all measurements in Feet)**

Well will be: (Vertical, Directional, Horizontal)

	FNL/FSL		FEL/FWL		
Change of **Surface** Footage **From** Exterior Section Lines:	2303	FSL	2226	FWL	
Change of **Surface** Footage **To** Exterior Section Lines:					

Current **Surface** Location **From** QtrQtr NESW Sec 22 Twp 7S Range 93W Meridian 6

New **Surface** Location **To** QtrQtr Sec Twp Range Meridian

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 Twp Range

New **Top of Productive Zone** Location **To** Sec Twp Range

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

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

Current **Bottomhole** Location Sec Twp Range ** attach deviated drilling plan

New **Bottomhole** Location Sec Twp Range

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

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 ROSE Number K22W 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 09/01/2020

☐ REPORT OF WORK DONE Date Work Completed _____

☐ Intent to Recomplete (Form 2 also required)	☐ Request to Vent or Flare	☐ E&P Waste Mangement Plan
☐ Change Drilling Plan	☐ Repair Well	☒ Beneficial Reuse of E&P Waste
☐ Gross Interval Change	☐ Rule 502 variance requested. Must provide detailed info regarding request.	
☐ Other _____	☐ Status Update/Change of Remediation Plans for Spills and Releases	

COMMENTS:

This Beneficial Reuse Plan is being submitted to describe the reuse of approximately 3,277 cubic yards of drill cuttings produced on the K22W pad location (COGCC Location ID 433706) as fill material during the interim reclaim of the K22W well pad disturbance. Cuttings will be placed in the western cut slope of the pad disturbance as seen on the attached drawings in varying thickness based on where in the reclaim they are placed. Thickness could vary from one to 20 feet. They will be covered with top soil and non-top soil deposits taken from the cut and fill slopes which are also detailed on the attached drawings. Covering the cuttings with native soil will serve to stabilize the cuttings until interim reclamation is achieved. These deposits were created during the construction of the pad and segregated per 1002-series rules in order to reuse them during interim reclamation of the pad per the 1003-series rules. The landowner has approved this beneficial reuse of cuttings per the attached letter.

A description of sampling efforts, both by the previous operator and Caerus, is provided below.

On 4/10/2014, three five-point composite samples (20140410-K22W (CUT S), 20140410-K22W (CUT MID), and 20140410-K22W (CUT N)) were collected from the cuttings stockpile mentioned above. Soil sample 20140410-K22W (CUT S) was submitted for laboratory analysis of all analytes listed in COGCC Table 910-1. Please see Table 1 for a list of analytes the other two samples were analyzed for. Laboratory analytical results indicated that all samples (except for soil sample 20140410-K22W (CUT N)) were compliant with COGCC Table 910-1 Concentration Levels or were below background concentration for arsenic except for those listed for SAR and/or pH. Soil sample 20140410-K22W (CUT N) exhibited benzo(a)anthracene and benzo(a)pyrene concentrations that exceeded the associated Concentration Level listed in COGCC Table 910-1. Analytical results including background analytical results are summarized in Table 1 and reports are attached. Figure 1 and 3 depict the sampling locations.

On 7/1/2020, two five-point composite samples (20200701-K22W (CUT N) and 20200701-K22W (CUT MID)) were collected from the cuttings represented by soil samples 20140410-K22W (CUT MID) and 20140410-K22W (CUT N) in order to further characterize that segment of the cuttings stockpile. Both samples were submitted for laboratory analysis of all metals listed in COGCC Table 910-1 and soil sample 20140410-K22W (CUT N) was submitted for analysis of benzo(a)anthracene and benzo(a)pyrene. Laboratory analytical results indicated that all samples were compliant with COGCC Table 910-1 Concentration Levels or were below background concentrations for arsenic. Analytical results including background analytical results are summarized in Table 1 and reports are attached. Figures 1-3 depict the sampling locations. Caerus requests that the COGCC consider these analytical results when reviewing this request for Beneficial Reuse as they represent the current condition of the northern and middle third segments of the cuttings stockpile.

Please see operator comments for further information concerning the plan for reusing these cuttings.

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:

In order to address the arsenic exceedances exhibited in the soil samples, Caerus is requesting consideration for the COGCC Table 910-1 Concentration Level for arsenic under guidelines set forth under FAQ 31. Caerus believes the request for FAQ 31 consideration is acceptable as arsenic results for confirmation samples were below background concentrations. Table 1 summarizes background analytical results and reports are attached. Figure 3 details background sampling locations.

In order to address SAR and pH exceedances exhibited in samples collected on 4/10/2014, Caerus is requesting consideration for COGCC Table 910-1 Concentration Levels for SAR and pH under guidelines set forth under FAQ 32 as all cuttings will be buried (Pending COGCC approval) under three feet of native soil. Caerus believes the request for FAQ 32 consideration is acceptable as there are minimal potential receptors in the area and environmental impacts to these receptors are unlikely. The nearest surface water is 750 feet to the south and groundwater at the site is estimated to be 20 feet below the pad surface based on topography and water well data for a water well identified as Colorado Division of Water Resources Permit Number 170688.

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

Signed: _____ Print Name: Jake Janicek

Title: EHS Specialist Email: jjanicek@caerusoilandgas.com Date: _____

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

COGCC Approved: Date: _____

CONDITIONS OF APPROVAL, IF ANY:

COA Type	Description

General Comments

User Group	Comment	Comment Date
		Stamp Upon Approval

Total: 0 comment(s)

Attachment Check List

Att Doc Num	Name
402433736	ANALYTICAL RESULTS
402433737	ANALYTICAL RESULTS
402440762	ANALYTICAL RESULTS
402440772	AERIAL PHOTOGRAPH
402440777	ANALYTICAL RESULTS
402440805	AERIAL PHOTOGRAPH
402453812	ANALYTICAL RESULTS
402461272	LOCATION DRAWING
402468991	CORRESPONDENCE

Total Attach: 9 Files