

FORM
6Rev
11/20

State of Colorado

Energy & Carbon Management Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



DE ET OE ES

Document Number:

403466858

Date Received:

07/19/2023

WELL ABANDONMENT REPORT

This form is to be submitted as an Intent to Abandon whenever an abandonment is planned on a borehole. After the abandonment is complete, this form shall again be submitted as a Subsequent Report of the actual work completed. The approved intent shall be valid for six months after the approval date, after that period, a new intent will be required. Attachments required with the Intent to Abandon are wellbore diagrams of the current configuration and the proposed configuration with plugs set.

A Subsequent Report of Abandonment shall indicate the actual work completed. Attachments required with a Subsequent Report are a wellbore diagram showing plugs that were set and casing remaining in the hole, the job summaries from all plugging contractors used, including wireline and cementing (third party verification) and any logs that may have been run during abandonment.

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

For "Intent" 24 hour notice required,

Name: Morris, Matthew

Tel: (970) 620-0348

COGCC contact:

Email: matthew.morris@state.co.us

Type of Well Abandonment Report: ☒ Notice of Intent to Abandon ☐ Subsequent Report of Abandonment

API Number 05-045-12213-00

Well Name: KEINATH

Well Number: 33-9 (OP33)

Location: QtrQtr: SESE Section: 33 Township: 7S Range: 96W Meridian: 6

County: GARFIELD

Federal, Indian or State Lease Number:

Field Name: GRAND VALLEY

Field Number: 31290

Only Complete the Following Background Information for Intent to Abandon

Latitude: 39.389830

Longitude: -108.107390

GPS Data: GPS Quality Value: 1.9 Type of GPS Quality Value: PDOP Date of Measurement: 06/25/2007

Reason for Abandonment: ☐ Dry ☒ Production Sub-economic ☐ Mechanical Problems☐ OtherCasing to be pulled: ☐ Yes ☒ No Estimated Depth:Fish in Hole: ☐ Yes ☒ No If yes, explain details belowWellbore has Uncemented Casing leaks: ☐ Yes ☒ No If yes, explain details below

Details:

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
COZZETTE	5188	5360			
CORCORAN	5414	5480			
WILLIAMS FORK	3466	4695			

Total: 3 zone(s)

Casing History

Casing Type	Size of Hole	Size of Casing	Grade	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top	Status
CONDUCTOR	24	16	J55	42#	0	40	94	40	0	CALC
SURF	12+1/2	8+5/8	J55	32#	0	834	560	834	0	VISU
1ST	7+7/8	5+1/2	I80	17#	0	5530	680	5530	2310	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 3416 with 15 sacks cmt on top. CIBP #2: Depth _____ with _____ sacks cmt on top.
CIBP #3: Depth _____ with _____ sacks cmt on top. CIBP #4: Depth _____ with _____ sacks cmt on top.
CIBP #5: Depth _____ with _____ sacks cmt on top.

NOTE: Two(2) sacks cement required on all CIBPs.

Set 11 sks cmt from 2223 ft. to 2323 ft. Plug Type: CASING Plug Tagged: ☐
Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged: ☐
Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged: ☐
Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged: ☐
Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged: ☐

Perforate and squeeze at 1977 ft. with 63 sacks. Leave at least 100 ft. in casing _____ CICR Depth
Perforate and squeeze at 1000 ft. with 80 sacks. Leave at least 100 ft. in casing _____ CICR Depth
Perforate and squeeze at 91 ft. with 20 sacks. Leave at least 100 ft. in casing _____ CICR Depth

(Cast Iron Cement Retainer Depth)

Set _____ sacks half in. half out surface casing from _____ ft. to _____ ft. Plug Tagged: ☐

Set _____ sacks at surface

Cut four feet below ground level, weld on plate Above Ground Dry-Hole Marker: ☐ Yes ☐ No

Set _____ sacks in rat hole Set _____ sacks in mouse hole

Additional Plugging Information for Subsequent Report Only

Casing Recovered: _____ ft. of _____ inch casing

Surface Plug Setting Date: _____ Cut and Cap Date: _____ Number of Days from Setting Surface Plug to Capping or Sealing the Well: _____

*Wireline Contractor: _____

*Cementing Contractor: _____

Type of Cement and Additives Used: _____

Flowline/Pipeline has been abandoned per Rule 1105 ☐ Yes ☐ No

Technical Detail/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 Date: 7/19/2023 Email: rhaddock@caerusoilandgas.com

Based on the information provided herein, this Well Abandonment Report (Form 6) complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: Katz, Aaron Date: 8/1/2023

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: 1/31/2024

COA Type	Description
	<p>1) Provide electronic Form 42 Notice of MIRU 2 business days ahead of operations and electronic Form 42 Notice of Plugging Operations 48 hours prior to mobilizing for plugging operations.</p> <p>2) The approved Form 6, Notice of Intent will be at the location during all phases of plugging operations.</p> <p>3) Operator shall implement measures to control venting and to ensure that vapors and odors from well plugging operations do not constitute a nuisance or hazard.</p> <p>4) If applicable properly abandon flowlines as per Rule 1105. Pursuant to Rule 911.a. Closure of Oil and Gas Facilities, Operator will submit Site Investigation and Remediation Work plans via Form 27 for COGCC prior approval before cutting and capping the plugged well, conducting flowline abandonment, and removing production equipment. Pursuant to Rule 1105.f. Abandonment Verification, within 90 days of an operator completing abandonment requirements for a flowline or crude oil transfer line, an operator must submit a Field Operations Notice, Form 42-Abandonment of Flowlines for on-location flowlines, and a Flowline Report, Form 44, for off-location flowlines or crude oil transfer lines.</p> <p>5) Prior to starting plugging operations a bradenhead test shall be performed if there has not been a reported bradenhead test within the 60 days immediately preceding the start of plugging operations. If, before opening the bradenhead valve, the beginning pressure is greater than 25 psi, sampling is required. If pressure remains at the conclusion of the test, or if any liquids were present during the test, sampling is required. The Form 17 shall be submitted within 10 days of the test. Sampling shall comply with Operator Guidance - Bradenhead Testing and Reporting Instructions. If samples are collected, copies of all final laboratory analytical results shall be provided to the COGCC within three (3) months of collecting the samples.</p>
	Notification will be given to any adjacent building unit occupants within a 1000 feet of the wellhead of planned P&A start date.
	Due to proximity to a mapped wetland and surface water, operator will use secondary containment for all tanks and other liquid containers. Operator will implement stormwater BMPs and erosion control measures as needed to prevent sediment and stormwater runoff from entering the wetland and surface water.
3 COAs	

Attachment List

Att Doc Num	Name
403466858	FORM 6 INTENT SUBMITTED
403467048	PROPOSED PLUGGING PROCEDURE

Total Attach: 2 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Changed conductor and surface cement tops from KB to MD for cement to surface Conductor cement volume is estimated at 94 sks for the 4 cu. Yds of redi-mix used Changed squeeze plug volumes to total plug volume per procedure values	08/01/2023
Engineer	2021, 2022 Annual BH Test completed CBL DOC# 1406428 updated CBL shows some spotty cement above TOC There is no offset wells with Wasatch G production within 1 mile Deepest water well within 1 mile is 210 ft.	08/01/2023
OGLA	OGLA Review complete.	07/28/2023
OGLA	Well is in a CPW mapped Mule Deer Winter Concentration, Mule Deer Severe Winter Range, Elk Severe Winter Range, and Elk Winter Concentration High Priority Habitats. Although plugging and abandonment operations with heavy equipment will be allowed, the Operator is strongly encouraged to avoid them between December 1 through April 30.	07/28/2023

Total: 4 comment(s)