

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:

403528019

Date Received:

10/26/2023

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: 10634

Contact Name: Jacob Wurzer

Name of Operator: P O & G OPERATING LLC

Phone: (346) 220-1891

Address: 5847 SAN FELIPE SUITE 3200

Fax:

City: HOUSTON State: TX Zip: 77057

Email: jacob_wurzer@pogresources.com

For "Intent" 24 hour notice required,

Name: Welsh, Brian

Tel: (719) 325-6919

COGCC contact:

Email: brian.welsh@state.co.us

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

API Number 05-017-07503-00

Well Name: HOFFMAN

Well Number: 8

Location: QtrQtr: SWNW Section: 31 Township: 14S Range: 44W Meridian: 6

County: CHEYENNE

Federal, Indian or State Lease Number:

Field Name: LADDER CREEK

Field Number: 47600

Only Complete the Following Background Information for Intent to Abandon

Latitude: 38.792830

Longitude: -102.385190

GPS Data: GPS Quality Value: 1.7 Type of GPS Quality Value: PDOP Date of Measurement: 10/24/2011

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
MISSISSIPPIAN	5265	5280			

Total: 1 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
SURF	16	13+3/8	A	48	0	472	325	472	0	VISU
1ST	7+7/8	5+1/2	A	15.5	0	5474	75	5474	4760	CBL
				Stage Tool	0	3106	200	3106	1000	CALC

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 5215 with 2 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 _____	sks cmt from _____	ft. to _____	ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>
Set <u>33</u>	sks cmt from <u>3206</u>	ft. to <u>2906</u>	ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>15</u>	sks cmt from <u>2280</u>	ft. to <u>2180</u>	ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>15</u>	sks cmt from <u>1800</u>	ft. to <u>1700</u>	ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>11</u>	sks cmt from <u>422</u>	ft. to <u>322</u>	ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>

Perforate and squeeze at 527 ft. with 75 sacks. Leave at least 100 ft. in casing 422 CICR Depth

Perforate and squeeze at 200 ft. with 50 sacks. Leave at least 100 ft. in casing _____ CICR Depth

Perforate and squeeze at _____ ft. with _____ 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: Charlotte Nash

Title: Prod & Regulatory Analyst Date: 10/26/2023 Email: charlotte_nash@pogresources.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: Wolfe, Stephen Date: 11/6/2023

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: 5/5/2024

COA Type	Description
	<p>Bradenhead Testing</p> <p>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.</p> <p>1) If, before opening the bradenhead valve, the beginning pressure is greater than 25 psi, sampling is required.</p> <p>2) If pressure remains at the conclusion of the test, or if any liquids were present during the test, sampling is required.</p> <p>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 ECMC within three (3) months of collecting the samples.</p> <p>If there is a need for sampling, contact ECMC engineering for verification of plugging procedure.</p>
	<p>Consistent with Rule 911.a, a Form 27 must be approved prior to cut and cap, conducting flowline abandonment, or removing production equipment. Allow 30 days for Director review of the Form 27; include the Form 27 document number on the Form 44 for offsite flowline abandonment (if applicable) and on the Form 6 Subsequent.</p>
	<p>Properly abandon flowlines per Rule 1105. If flowlines will be abandoned in place, include with the Form 27: pressure test results conducted in the prior 12 months as well as identification of any document numbers for a ECMC Spill/Release Report, Form 19, associated with the abandoned line.</p>
	<p>Plugging</p> <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) Plugs and squeezes will be placed as stated in the Plugging Procedure section of the approved NOIA unless revised by COA or prior approval from ECMC is obtained.</p> <p>3) The wellbore must be static prior to placing cement plugs which are to be a minimum of 100' in length for all but surface plugs. Mechanical isolation requires a 25' cement plug, minimum. For plugs not specified to be tagged, a tag is required if circulation is not maintained while pumping plug and displacing to depth. Tag at tops specified or shallower. Notify ECMC Area Engineer before adding cement to previous plug.</p> <p>4) Place a 50' plug (minimum) at the surface, both inside the inner most casing and in all annular spaces. Surface plugs shall be circulated to surface. Document cement to surface in all strings during cut and cap.</p> <p>5) With the Form 6 SRA operator must provide written documentation which positively affirms each COA has been addressed.</p> <p>6) Operator must wait a sufficient time on all plugs to achieve the intended design. If at any time during the plugging there is evidence of previously unreported pressure or fluid migration, contact ECMC Area Engineer before continuing operations.</p> <p>7) Run a CBL from the DV tool at 3106' to validate cement coverage prior to pumping plug #2. Fill casing before logging. Contact ECMC Area Engineer to confirm plugging orders as approved. Submit with Form 6 SRA.</p> <p>8) Plugging procedure as follows, Plug #1 - 5215', CIBP with 2 sx of cement, test casing, Run a CBL per COA #7, notify ECMC Area Engineer with results, Plug #2 - 3206-2906', 33 sx cement casing plug, Plug #3 - 2280-2180', 15 sx cement casing plug, Plug #4 - 1800-1600', 15 sx cement casing plug, Plug #5 - 527', perf and squeeze 75 sx of cement through a CICR set at 422', spot 11 sx of cement on top of the CICR, Plug #6 - 200', perf and circulate 50 sx of cement to the surface.</p> <p>9) Submit an updated WBD and plugging procedure that correspond to the approved 6(N) (if needed) prior to filing Form 42 Notifications required in COA #1 above.</p>

	This oil and gas location is within CPW-mapped High Priority Habitat for Lesser Prairie Chicken Estimated Occupied Range. Non-emergency activities should take place outside of the period from March 1 to July 15. If site conditions warrant that activities must occur between March 1 and July 15, the operator will consult with CPW to develop site specific avoidance, minimization, or mitigation measures prior to conducting any activities.
	Due to the proximity to a mapped wetland, operator will use secondary containment for all tanks and other liquid containers. Operator will implement stormwater BMPs and erosion control measures to prevent sediment and stormwater runoff from entering the wetlands.
6 COAs	

Attachment List

<u>Att Doc Num</u>	<u>Name</u>
403528019	WELL ABANDONMENT REPORT (INTENT)
403572768	WELLBORE DIAGRAM
403572769	WELLBORE DIAGRAM
403586510	FORM 6 INTENT SUBMITTED

Total Attach: 4 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Groundwater=High Plains, Dkta-Cynn Deepest water well=453'(3mi, 44 records) Logs=1/4/96 GR=4318' DKTA 1740-1930, CYNN 2050-2180'	11/06/2023
Engineer	Casing table is incomplete. Returning to draft. Resubmitted Add casing test.	10/17/2023
OGLA	OGLA review complete.	10/09/2023
Permit	Missing current wellbore diagram. Returned to draft.	09/25/2023

Total: 4 comment(s)