

FORM
6Rev
11/20

State of Colorado Oil and Gas Conservation Commission

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Document Number:

403106021

Date Received:

08/03/2022

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: 16520

Contact Name: Graydon Neher

Name of Operator: CHEMCO INC

Phone: (303) 548-8603

Address: 6970 SOUTH HOLLY CIR STE 206

Fax:

City: CENTENNIAL State: CO Zip: 80112

Email: gh.neher@chemco-og.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 05-061-06136-00

Well Name: T-WEAR

Well Number: 1

Location: QtrQtr: NWSW Section: 13 Township: 18S Range: 45W Meridian: 6

County: KIOWA

Federal, Indian or State Lease Number:

Field Name: TROOPER

Field Number: 83975

Only Complete the Following Background Information for Intent to Abandon

Latitude: 38.489709

Longitude: -102.416802

GPS Data: GPS Quality Value: 3.1 Type of GPS Quality Value: Date of Measurement: 10/23/2010

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
MORROW	4703	4717			

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	12+1/4	8+5/8	K55	20		174	150	174	0	VISU
1ST	8+3/4	5+1/2	K55	15.5		5116	300	5116	3075	CBL
				Stage Tool		2450	350	2450	116	CALC

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 4653 with 2 sacks cmt on top. CIBP #2: Depth 3881 with 2 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 <u>20</u> sks cmt from <u>2500</u> ft. to <u>2350</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>20</u> sks cmt from <u>1650</u> ft. to <u>1500</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>20</u> sks cmt from <u>1100</u> ft. to <u>950</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>30</u> sks cmt from <u>250</u> ft. to <u>0</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input checked="" type="checkbox"/>
Set _____ sks cmt from _____ ft. to _____ ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>

Perforate and squeeze at _____ ft. with _____ 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

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: Graydon Neher

Title: President Date: 8/3/2022 Email: gh.neher@chemco-og.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: 8/17/2022

CONDITIONS OF APPROVAL, IF ANY: _____

Expiration Date: 2/16/2023

Condition of Approval

COA Type**Description****Bradenhead Testing**

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.

- 1) If, before opening the bradenhead valve, the beginning pressure is greater than 25 psi, sampling is required.
- 2) 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.

If there is a need for sampling, contact COGCC engineering for verification of plugging procedure.

Flowlines

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.

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 COGCC Spill/Release Report, Form 19, associated with the abandoned line.

Plugging

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.

2) Contact COGCC Area Inspector prior to commencing plugging operations.

3) 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 COGCC is obtained.

4) 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 COGCC Area Engineer before adding cement to previous plug.

5) 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. Confirm cement to surface in all strings during cut and cap.

6) With the Form 6 SRA operator must provide written documentation which positively affirms each COA has been addressed.

7) Run a CBL to validate cement coverage prior to pumping plug #3 Fill casing before logging. Contact COGCC Area Engineer to confirm plugging orders as approved. Submit with Form 6 SRA.

8) Plugging procedure has been modified as follows,

Plug #1 - 4653', CIBP with 2 sx of cement.

Plug #2 - 3881', CIBP with 2 sx of cement.

Plug #3 - 2500', 20 sx casing plug to cover FO tool.

Plug #4 - 1650-1500', 20 sx casing plug.

Plug #5 - 1100-950', 20 sx casing plug.

Plug #6 - 250-0', 30 sx casing plug (50 sx squeeze may be required based on results of the CBL). WOC and tag at 124' or higher if cement not brought to surface.

Surf - 100' of cement at the surface in both the casing and the annulus, 50' below the deepest adjacent water well.

NOTE: Casing plugs are based on CBL confirmation of cement behind casing to surface. If cement coverage is not as submitted contact the COGCC Area Engineer prior to squeezing,

	Operator will review the stormwater program and implement stormwater BMPs and erosion control measures as needed to prevent fine-grained sediment and impacted stormwater runoff from entering surface water.
	This oil and gas location is within CPW-mapped High Priority Habitat for Lesser Prairie Chicken Estimated Occupied Range. Plugging and abandonment (P&A) activities should not take place from March 1 to July 15. If site conditions warrant that P&A 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.
5 COAs	

Attachment List

<u>Att Doc Num</u>	<u>Name</u>
403106021	FORM 6 INTENT SUBMITTED
403125927	WELLBORE DIAGRAM

Total Attach: 2 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Groundwater: Alluvium, Dkta-Cynn Deepest water well: 48'(2mi, 24 wells) Log: 061-06136 5/31/72 GR 3954	08/17/2022
Engineer	Calculated stage cement top of cement with yield of 1. Probably close to surface but they did lose circulation.	08/16/2022
Permit	Input MRRW into zones tab to reflect scout card and WBD.	08/16/2022
OGLA	OGLA has completed review.	08/12/2022
OGLA	CPW has no concerns with the work as described on the Form 6 in LPC Estimated Occupied Range. The COA as written will add a requirement for additional consultation with CPW only if the work is delayed and would overlap with the March 1-July 15 timeframe.	08/12/2022

Total: 5 comment(s)