

FORM
6Rev
11/20State 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:

403023517

Date Received:

04/27/2022

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: 81480

Contact Name: Kathleen Spring

Name of Operator: THOMAS L SPRING LLC

Phone: (303) 771-1889

Address: 7400 E ORCHARD RD STE 106-S

Fax:

City: GREENWOOD State: CO Zip: 80111

Email: kathleenspring3@gmail.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 05-061-06232-00

Well Name: STARK

Well Number: 1 (A)

Location: QtrQtr: NWSE Section: 26 Township: 20S Range: 48W Meridian: 6

County: KIOWA

Federal, Indian or State Lease Number:

Field Name: MCCLAVE

Field Number: 53600

Only Complete the Following Background Information for Intent to Abandon

Latitude: 38.288670

Longitude: -102.754620

GPS Data: GPS Quality Value: 3.1 Type of GPS Quality Value: PDOP Date of Measurement: 07/12/2012

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
MCCLAVE	4775	4785			

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	J55	24	0	385	250	385	0	VISU
1ST	7+7/8	4+1/2	J55	10.5	0	4884	125	4884	4197	CALC

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 4700 with 2 sacks cmt on top. CIBP #2: Depth 4275 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>1050</u> ft. to <u>800</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>5</u> sks cmt from <u>550</u> ft. to <u>500</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>10</u> sks cmt from <u>435</u> ft. to <u>300</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"/>
Set _____ sks cmt from _____ ft. to _____ ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>

Perforate and squeeze at 1100 ft. with 60 sacks. Leave at least 100 ft. in casing 1050 CICR Depth
Perforate and squeeze at 600 ft. with 40 sacks. Leave at least 100 ft. in casing 550 CICR Depth
Perforate and squeeze at 435 ft. with 40 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 15 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: Kathleen Spring

Title: Manager Date: 4/27/2022 Email: kathleenspring3@gmail.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: 3/20/2023

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: 9/19/2023

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 COGCC within three (3) months of collecting the samples.</p> <p>If there is a need for sampling, contact COGCC 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 COGCC 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 COGCC 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 COGCC 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. Confirm 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 COGCC Area Engineer before continuing operations.</p> <p>7) TOC calculates to 4197' with a neat cement. No CBL on file with COGCC. Submit CBL with 6(s) if available.</p> <p>8) Plugging procedure has been modified as follows, Plug #1 - 4700', CIBP with 2 sx of cement. Plug #2 - 4275', CIBP with 2 sx of cement. Plug #3 - 1100', perf and squeeze 60 sx into CICR at 1050', spot 20 sx on top of CICR. If CICR is not used pump 85 sx of cement and displace top of cement to 800', WOC and tag. Plug #4 - 600', perf and squeeze 40 sx, into CICR at 550', spot 5 sx on top of CICR. If CICR is not used pump 50 sx of cement and displace top of cement to 500', WOC and tag. Plug #5 - 435', perf and pump 50 sx, displace top of cement to 300', WOC and tag at 335' or shallower. WOC and tag not required if cement is circulated to the surface and remains there. Plug #6 - 50' of cement at the surface in both the casing and the annulus per COA #4.</p> <p>8) Submit corrected WBD to correspond with approved 6(N) prior to filing Form 42</p> <p>Notifications required in COA #1 above.</p>

	Due to proximity to surface water, 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 State Wildlife Area/Park. CPW recommends the operator avoid work from September 1-December 31. This addresses the fall hunting seasons, both for safety issues and to avoid conflicts with hunters on the property. In addition, CPW would request that the operator notify the Lamar CPW office at (719) 336-6600 when they plan to be on site as their plans are finalized, recognizing there might be some uncertainty as plans are developed CPW Consultation was completed on February 22, 2023.
6 COAs	

Attachment List

<u>Att Doc Num</u>	<u>Name</u>
403023517	FORM 6 INTENT SUBMITTED
403029781	WELLBORE DIAGRAM
403029783	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Groundwater: Alluvium Deepest water well: 60'(2mi, 10 records) Logs: 061-06200 2/12/75 3968 GR Alluvium behind surface casing, Pierre at the shoe, DKTA 650-860, CYNN 890-990	03/17/2023
OGLA	OGLA review is complete.	02/22/2023

Total: 2 comment(s)