

Document Number:  
403659225

Date Received:  
01/18/2024

**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 05-061-06749-00  
 Well Name: STATE BOCK Well Number: 2  
 Location: QtrQtr: NESE Section: 31 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: 38.272560 Longitude: -102.823560  
 GPS Data: GPS Quality Value: 2.1 Type of GPS Quality Value: PDOP Date of Measurement: 07/08/2012

Reason for Abandonment:  Dry  Production Sub-economic  Mechanical Problems  
 Other \_\_\_\_\_

Casing to be pulled:  Yes  No Estimated Depth: \_\_\_\_\_  
 Fish in Hole:  Yes  No If yes, explain details below  
 Wellbore 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	4804	4815			

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	322	200	322	0	VISU
1ST	7+7/8	4+1/2	J55	10.5	0	4805	285	4805	3290	CBL
				Stage Tool		3005	440	3010	1070	CBL
OPEN HOLE	7+7/8				4805	4845				

### Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 4590 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 15 sks cmt from 3050 ft. to 2900 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 1000 ft. with 60 sacks. Leave at least 100 ft. in casing 950 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 \_\_\_\_\_ ft. with \_\_\_\_\_ sacks. Leave at least 100 ft. in casing \_\_\_\_\_ CICR Depth  
 (Cast Iron Cement Retainer Depth)

Set 50 sacks half in. half out surface casing from 372 ft. to 272 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 Number of Days from Setting Surface Plug to Capping or Sealing the Well: \_\_\_\_\_  
 Surface Plug Setting Date: \_\_\_\_\_ Cut and Cap Date: \_\_\_\_\_  
 \*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: 1/18/2024 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: 2/2/2024

CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_ Expiration Date: 8/1/2024

COA Type	Description
	<p>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.</p> <ol style="list-style-type: none"> <li>1) If, before opening the bradenhead valve, the beginning pressure is greater than 25 psi, sampling is required.</li> <li>2) If pressure remains at the conclusion of the test, or if any liquids were present during the test, sampling is required.</li> </ol> <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> <ol style="list-style-type: none"> <li>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.</li> <li>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.</li> <li>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. Wait on cement(WOC) a minimum of 4 hrs before tagging a plug. Tag at tops specified or shallower. Notify ECMC Area Engineer before adding cement to previous plug due to low cement top.</li> <li>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 and complete isolation in all strings during cut and cap. After cut and prior to cap, verify isolation by either a 15 minute bubble test or 15 minute optical gas imaging recording. If there is indication of flow contact ECMC Engineering. Provide a statement on the 6SRA which method was used and what was observed. Retain records of final isolation test for 5 years.</li> <li>5) With the Form 6 SRA operator must provide written documentation which positively affirms each COA has been addressed.</li> <li>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.</li> <li>7) Plugging procedure has been modified as follows,  Plug #1 - 4590', CIBP with 2 sx of cement.  Plug #2 - 3050-2900', 15 sx casing plug to cover DV tool,  Monitor surface casing for returns on Plugs #3, #4 and #5,  Plug #3 - 1000', perf and squeeze 60 sx into a CICR at 950', spot 5 sx on top of the CICR,  Plug #4 - 600', perf and squeeze 40 sx into a CICR at 550', spot 5 sx on top of the CICR,  Plug #5 - 372', perf and squeeze 50 sx, displace to 222'. WOC and tag at 272' or shallower if cement not circulated to surface.  Plug #6 - 50' of cement at the surface in both the casing and the annulus per COA #4.</li> </ol>
4 COAs	

## Attachment List

<u>Att Doc Num</u>	<u>Name</u>
403659225	FORM 6 INTENT SUBMITTED
403659264	WELLBORE DIAGRAM
403659267	WELLBORE DIAGRAM

Total Attach: 3 Files

## General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Groundwater: Alluvium, Dakota-Cheyenne Deepest Water Well: $750 + 3989 - 3975 + 50 = 814'$ Log: 061-05007 State Bock Unit 1 GR=4004'	02/02/2024
OGLA	LAS Review complete.	01/31/2024

Total: 2 comment(s)