

Document Number:  
402613753

Date Received:  
03/01/2021

**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: 83130 Contact Name: Shawn Reed

Name of Operator: STRACHAN EXPLORATION INC Phone: (303) 5626530

Address: 383 INVERNESS PKWY, STE 360 Fax: (303) 7998795

City: ENGLEWOOD State: CO Zip: 80112 Email: shawn@strachanexploration.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 05-061-06331-00

Well Name: STATE Well Number: 1

Location: QtrQtr: NESE Section: 21 Township: 19S Range: 47W Meridian: 6

County: KIOWA Federal, Indian or State Lease Number: 76/1011S

Field Name: NEENOSHE Field Number: 57160

*Only Complete the Following Background Information for Intent to Abandon*

Latitude: 38.388179 Longitude: -102.677019

GPS Data: GPS Quality Value: 5.0 Type of GPS Quality Value: PDOP Date of Measurement: 03/28/2010

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: Casing full of mud, suspected casing leak. Will hunt and squeeze leak under a CICR set 100' above the hole w 70 sx (proposed).

**Current and Previously Abandoned Zones**

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
MORROW	4842	4861			

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	523	200	523	0	VISU
1ST	7+7/8	5+1/2	j55	15.5	0	5055	150	5055	4360	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 4750 with 2 sacks cmt on top. CIBP #2: Depth 3000 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 6 sks cmt from 1750 ft. to 1725 ft. Plug Type: CASING Plug Tagged:   
Set 6 sks cmt from 1350 ft. to 1325 ft. Plug Type: CASING Plug Tagged:   
Set 15 sks cmt from 1050 ft. to 940 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:

Perforate and squeeze at 1800 ft. with 40 sacks. Leave at least 100 ft. in casing 1750 CICR Depth  
Perforate and squeeze at 1400 ft. with 40 sacks. Leave at least 100 ft. in casing 1350 CICR Depth  
Perforate and squeeze at 1100 ft. with 50 sacks. Leave at least 100 ft. in casing 1050 CICR Depth  
(Cast Iron Cement Retainer Depth)

Set 130 sacks half in. half out surface casing from 820 ft. to 473 ft. Plug Tagged:

Set 30 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:

Will schedule Bradenhead test ASAP (Form 17)

Suspect we have a casing leak probably around 3000', will hunt the hole and squeeze w CICR 100' above the hole, using 70 SX (proposed)

Looking to begin in Early Q2.

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: \_\_\_\_\_ Print Name: Shawn Reed

Title: Petroleum Consultant Date: 3/1/2021 Email: shawn@strachanexploration.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: 5/5/2021

**CONDITIONS OF APPROVAL, IF ANY:** \_\_\_\_\_

Expiration Date: 11/4/2021

## Condition of Approval

**COA Type**

**Description**

	<p>Venting Operator shall implement measures to control unnecessary and excessive venting, to protect the health and safety of the public, and to ensure that vapors and odors from well plugging operations do not constitute a nuisance or hazard to public welfare.</p>
	<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. 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.</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>Plugging 1) Provide 48 hour notice of plugging MIRU via electronic Form 42. 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 unless otherwise specified. 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) After placing the shallowest hydrocarbon isolating plug (XXXX'), operator must wait a sufficient time on all subsequent plugs to confirm static conditions. If at any time after placing this plug there is evidence of pressure or of fluid migration, contact COGCC Area Engineer before continuing operations. 8) Squeeze at 3000' per the Operator comments. Isolate with CIBP below holes prior to squeezing. 9) Perf at 820' and circulate 130 sx balanced plug. WOC and tag at 473' or shallower. If circulation cannot be established then perf at 820' and squeeze 40 sx. WOC and tag if CICR is not used; place 6 sx on top of CICR. Move up and perf at 573' and circulate 50 sx balanced plug. WOC and tag at 473' or less. 10) 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 Workplans 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. 11) No current Form 17 on file with COGCC. Contact COGCC area engineer with results of pre-plugging bradenhead test for confirmation of plugging procedure prior to commencing plugging operations.</p>

3 COAs

## Attachment List

<u>Att Doc Num</u>	<u>Name</u>
402613753	FORM 6 INTENT SUBMITTED
402613792	WELLBORE DIAGRAM
402613795	WELLBORE DIAGRAM

Total Attach: 3 Files

## General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Aquifer: High Plains-None, Dkta-Cynn Deepest Water Well: 75'(5 wells, 1 mi), 101'(10 wells, 2mi) Logs: 6/12/82 061-06331 DKTA:770-990, CYNN: 1110-1340, Morrison 1340	03/23/2021
OGLA	COGCC OGLA Staff conducted its review of this Form 6 Notice of Intent (NOI) Well Abandonment Report in the context of SB 19-181 and the current rules. This Form 6 complies with applicable COGCC Rules and is adequately protective of public health, safety, welfare, the environment, and wildlife resources.	03/19/2021

Total: 2 comment(s)