

FORM

6

Rev  
11/20

# State of Colorado Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



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| DE | ET | OE | ES |
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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☐ 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: 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 <u>6</u> sks cmt from <u>1750</u> ft. to <u>1725</u> ft. | Plug Type: <u>CASING</u> | Plug Tagged: <input type="checkbox"/> |
| Set <u>6</u> sks cmt from <u>1350</u> ft. to <u>1325</u> ft. | Plug Type: <u>CASING</u> | Plug Tagged: <input type="checkbox"/> |
| Set <u>15</u> sks cmt from <u>1050</u> ft. to <u>940</u> ft. | Plug Type: <u>CASING</u> | Plug Tagged: <input 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 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

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:

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</p> <p>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</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>Plugging</p> <p>1) Provide 48 hour notice of plugging MIRU via electronic Form 42.</p> <p>2) Contact COGCC Area Inspector prior to commencing plugging operations.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>6) With the Form 6 SRA operator must provide written documentation which positively affirms each COA has been addressed.</p> <p>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.</p> <p>8) Squeeze at 3000' per the Operator comments. Isolate with CIBP below holes prior to squeezing.</p> <p>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 CIBP is not used; place 6 sx on top of CIBP. Move up and perf at 573' and circulate 50 sx balanced plug. WOC and tag at 473' or less.</p> <p>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.</p> <p>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**

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

Total Attach: 3 Files

### **General Comments**

| <b><u>User Group</u></b> | <b><u>Comment</u></b>  | <b><u>Comment Date</u></b> |
|--------------------------|--|----------------------------|
| Engineer                 | Aquifer: High Plains-None, Dkta-Cynn<br>Deepest Water Well: 75'(5 wells, 1 mi), 101'(10 wells, 2mi)<br>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)