

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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Document Number:

403091841

Date Received:

06/28/2022

## 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: 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 05-099-06872-00

Well Name: SPARTAN

Well Number: 1

Location: QtrQtr: NESE Section: 18 Township: 24S Range: 45W Meridian: 6

County: PROWERS

Federal, Indian or State Lease Number:

Field Name: SIGNAL HILL

Field Number: 77480

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

Latitude: 37.959914

Longitude: -102.504882

GPS Data: GPS Quality Value: 1.7 Type of GPS Quality Value: PDOP Date of Measurement: 04/06/2011

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	5009	5029			

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	J-55	24	0	487	315	487	0	VISU
1ST	7+7/8	4+1/2	J-55	10.5	1977	5191	325	5191	3450	CBL
S.C. 1.1					0	1977	450	2040	487	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 4950 with 4 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 25 sks cmt from 2000 ft. to 1750 ft. Plug Type: CASING Plug Tagged: ☐  
Set 10 sks cmt from 1250 ft. to 1150 ft. Plug Type: CASING Plug Tagged: ☐  
Set 5 sks cmt from 750 ft. to 700 ft. Plug Type: CASING Plug Tagged: ☐  
Set 15 sks cmt from 550 ft. to 400 ft. Plug Type: CASING Plug Tagged: ☒  
Set \_\_\_\_\_ sks cmt from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Plug Type: \_\_\_\_\_ Plug Tagged: ☐

Perforate and squeeze at 800 ft. with 35 sacks. Leave at least 100 ft. in casing 750 CICR Depth

Perforate and squeeze at 550 ft. with 40 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 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:

Strachan Exploration Proposes to plug the Spartan #1 as represented in the Wellbore Diagram. We expect to get a rig in approximately August 1 timeframe

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: 6/28/2022 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: 8/10/2022

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: 2/9/2023

## Condition of Approval

### 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>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) 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 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>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 (4700'), 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) Plugging procedure has been modified as follows,          Plug #1 - 4950', CIBP with 4 sx of cement.          Plug #2 - 2000-1750', 25 sx casing plug to cover DV tool.          Plug #3 - 1250-1150', 10 sx casing plug.          Plug #4 - 800', perf and set CICR at 750', squeeze 40 sx, leave last 5 sx on the CICR.          Plug #5 - 550', perf and squeeze 40 sx, leave additional 15 sx in the casing. WOC and tag at 430' or shallower if cement is not circulated to surface and remains there.          Plug #6 - 50' of cement at the surface in both the casing and the annulus. See COA #5 for placement requirements."</p> <p>9) 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>10) 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>11) Submit open hole log with the Form 6 SRA if available.</p>

2 COAs

### Attachment List

**Att Doc Num****Name**

403091841	FORM 6 INTENT SUBMITTED
403091947	WELLBORE DIAGRAM

Total Attach: 2 Files

### General Comments

**User Group****Comment****Comment Date**

Engineer	Groundwater: Alluvium, Dakota-Cheyenne Deepest water well: 435'(2mi, 5 wells) Dakota Log: 099-06339 9/1/93 GR 3898 Dakota 380(shoe)-430, Cheyenne 540-655	08/10/2022
Engineer	Submit OHL if available.	07/19/2022
OGLA	OGLA review is complete.	07/15/2022

Total: 3 comment(s)