

FORM  
6Rev  
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:

402909765

Date Received:

12/28/2021

## 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: 10412

Contact Name: Liz Harkins

Name of Operator: AUSCO PETROLEUM INC

Phone: (719) 429-4513

Address: 113 N SANTA FE AVENUE

Fax:

City: FLORENCE State: CO Zip: 81226

Email: lharkins@fremontpetroleum.com

For "Intent" 24 hour notice required,

Name:

Tel:

COGCC contact:

Email:

Type of Well Abandonment Report: ☐ Notice of Intent to Abandon ☒ Subsequent Report of Abandonment

API Number 05-043-06226-01

Well Name: Hudson

Well Number: 1

Location: QtrQtr: SWNE Section: 18 Township: 20S Range: 69W Meridian: 6

County: FREMONT

Federal, Indian or State Lease Number:

Field Name: WILDCAT

Field Number: 99999

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

Latitude: 38.310170

Longitude: -105.148253

GPS Data: GPS Quality Value: 1.0 Type of GPS Quality Value: PDOP Date of Measurement: 07/20/2016

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 |
|-----------|-----------|-----------|----------------|---------------------|------------|
| CODELL    | 4895      | 4960      | 04/13/2016     | B PLUG CEMENT TOP   | 4100       |
| FORT HAYS | 4844      | 4895      | 04/13/2016     | B PLUG CEMENT TOP   | 4100       |
| NIOBRARA  | 4352      | 4844      | 04/13/2016     | B PLUG CEMENT TOP   | 4100       |
| PIERRE    | 4150      | 4352      | 04/13/2016     | B PLUG CEMENT TOP   | 4100       |

Total: 4 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 |
|-------------|--------------|----------------|-------|-------|---------------|---------------|-----------|---------|---------|--------|
| CONDUCTOR   | 12+1/4       | 9+5/8          | H-40  | 36    | 0             | 60            | 30        | 60      | 0       | VISU   |
| SURF        | 8+3/4        | 7              | J-55  | 17    | 0             | 895           | 157       | 895     | 0       | CBL    |
| 1ST         | 6+1/8        | 4+1/2          | J-55  | 11.6  | 0             | 4150          | 25        | 4150    | 3947    | CALC   |
| OPEN HOLE   | 3+3/4        |                |       |       | 4150          | 4960          |           |         |         |        |

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth \_\_\_\_\_ with \_\_\_\_\_ 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 2845 ft. to 2725 ft. Plug Type: STUB PLUG Plug Tagged: ☐  
Set 10 sks cmt from 1355 ft. to 1217 ft. Plug Type: OPEN HOLE 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 \_\_\_\_\_ ft. with \_\_\_\_\_ 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  
Perforate and squeeze at \_\_\_\_\_ ft. with \_\_\_\_\_ sacks. Leave at least 100 ft. in casing \_\_\_\_\_ CICR Depth

(Cast Iron Cement Retainer Depth)

Set 140 sacks half in. half out surface casing from 1217 ft. to 0 ft. Plug Tagged: ☒

Set \_\_\_\_\_ 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: 2851 ft. of 4+1/2 inch casing Number of Days from Setting Surface Plug to Capping or Sealing the Well: 1  
Surface Plug Setting Date: 12/21/2021 Cut and Cap Date: 12/22/2021

\*Wireline Contractor: \_\_\_\_\_ \*Cementing Contractor: Langston Concrete

Type of Cement and Additives Used: Course No. 8 Grout, Sand, Cement I/II, pozzolan, carboxylate

Flowline/Pipeline has been abandoned per Rule 1105 ☐ Yes ☐ No

### Technical Detail/Comments:

The Hudson #1 well (API 05-043-06226-01) was P&A'd after -00 and -01 wellbores were proven dry and lacked further opportunity for development. The Hudson well was never equipped with production equipment beyond testing following drilling operations.

The proposed plan to plug and abandon the Hudson well commenced on 12/14/21 after advising field inspector via a Form 42. Operator had service crew tag previously capped bridge plug set inside 4-1/2" casing and freepoint string to determine depth of recovery. Freepoint was located at 2851' and casing was backed off, pulled out of hole, layed on trailer and removed from location. A wooden plug was lowered to top of casing and covered with 25 sacks of sackrete via cement dump-bailer. The following day, attempts to tag TOC and set plug at surface casing shoe was compromised by a collapsed, unstable wellbore. Cleanout efforts included sand bailing and drilling and final depth reached was 1355'. Operator reached out to COGCC staff and received approval to revise the planned P&A procedure to fill remaining wellbore with cement to surface; see correspondence labeled as "Other" in Attachments. Operator stabilized cleaned out hole, dump-bailing 10 sacks of sackrete. Cementing company arrived on site and filled remaining hole and surface casing with 14 yards of 10-sx grout mix (140 sacks of cement); see Cementing Report in Attachments. COGCC Field Inspector, Tom Beardslee, was on site to witness cementing. An identification plate with well name, API number and location was welded on and the hole was backfilled and prepped for reclamation. A P&A WBD (actual) is included in Attachments.

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

Signed: \_\_\_\_\_ Print Name: Liz Harkins  
Title: Engineer Date: 12/28/2021 Email: lharkins@fremontpetroleum.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: Jacobson, Eric Date: 7/18/2022

**CONDITIONS OF APPROVAL, IF ANY:**

**Condition of Approval**

**COA Type**

**Description**

|       |  |
|-------|--|
|       |  |
| 0 COA |  |

**Attachment List**

**Att Doc Num**

**Name**

|           |                             |
|-----------|-----------------------------|
| 402909765 | FORM 6 SUBSEQUENT SUBMITTED |
| 402909841 | WELLBORE DIAGRAM            |
| 402909842 | OTHER                       |
| 402909843 | CEMENT JOB SUMMARY          |

Total Attach: 4 Files

**General Comments**

**User Group**

**Comment**

**Comment Date**

|  |  |                     |
|--|--|---------------------|
|  |  | Stamp Upon Approval |
|--|--|---------------------|

Total: 0 comment(s)