

FORM  
6Rev  
02/20

# 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:

402463706

Date Received:

08/17/2020

## 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: 100322

Contact Name: Garrett Reddin

Name of Operator: NOBLE ENERGY INC

Phone: (720) 822-9993

Address: 1001 NOBLE ENERGY WAY

Fax:

City: HOUSTON State: TX Zip: 77070

Email: garrett.reddin@nblenergy.com

**For "Intent" 24 hour notice required,**

Name: Burns, Adam

Tel: (970) 218-4885

**COGCC contact:**

Email: adam.m.burns@state.co.us

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

API Number 05-123-22196-00

Well Name: ABBEY D

Well Number: 1-7JI

Location: QtrQtr: SWNE Section: 1 Township: 3N Range: 64W Meridian: 6

County: WELD

Federal, Indian or State Lease Number:

Field Name: WATTENBERG

Field Number: 90750

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

Latitude: 40.256270 Longitude: -104.497140

GPS Data: GPS Quality Value: 2.1 Type of GPS Quality Value: PDOP Date of Measurement: 11/14/2006

GPS Instrument Operator's Name: Paul Tappy

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    | 6822      | 6836      |                |                     |            |
| J SAND    | 7284      | 7346      |                |                     |            |
| NIOBRARA  | 6574      | 6632      |                |                     |            |

Total: 3 zone(s)

### Casing History

| Casing Type | Size of Hole | Size of Casing | Weight Per Foot | Setting Depth | Sacks Cement | Cement Bot | Cement Top | Status |
|-------------|--------------|----------------|-----------------|---------------|--------------|------------|------------|--------|
| SURF        | 12+1/4       | 8+5/8          | 24              | 640           | 180          | 640        | 0          | VISU   |
| 1ST         | 7+7/8        | 4+1/2          | 11.6            | 7,429         | 190          | 7,429      | 6,262      | CBL    |
| S.C. 1.1    |              |                |                 | 4,732         | 180          | 4,735      | 3,834      | CBL    |

### Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7232 with 2 sacks cmt on top. CIBP #2: Depth 6522 with 2 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 75 sks cmt from 4782 ft. to 3835 ft. Plug Type: CASING Plug Tagged: ☐

Set 35 sks cmt from 2398 ft. to 2000 ft. Plug Type: CASING Plug Tagged: ☐

Set 65 sks cmt from 840 ft. to 0 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 2500 ft. with 155 sacks. Leave at least 100 ft. in casing 2398 CICR Depth

Perforate and squeeze at 840 ft. with 200 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 \_\_\_\_\_ 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 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:

Currently there is a Flowthru plug set at 6900'. Plug will be pulled before well is plugged.

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

Signed: \_\_\_\_\_ Print Name: Stephanie Dionne

Title: Operations Tech Date: 8/17/2020 Email: stephanie.dionne@nblenergy.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: Haverkamp, Curtis Date: 8/20/2020

CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_ Expiration Date: 2/19/2021

| <b>COA Type</b> | <b>Description</b>  |
|-----------------|---|
|                 | <p>1) Provide 48 hour notice of plugging MIRU via electronic Form 42.</p> <p>2) After placing the shallowest hydrocarbon isolating plug (4782'), operator must wait a sufficient time to confirm static conditions. If at any time after placing this plug there is evidence of pressure or of fluid migration, contact COGCC engineering before continuing operations.</p> <p>3) Prior to placing the 840' plug: verify that all fluid migration (liquid and gas) has been eliminated. If evidence of fluid migration or pressure remains, contact COGCC Engineer for an update to plugging orders.</p> <p>4) After isolation has been verified, pump plug and displace. If cement is not circulated to surface, shut-in, WOC 4 hours then tag plug – must be at 439' or shallower and provide 10 sx plug at the surface.</p> <p>5) Leave at least 100' of cement in the wellbore for each plug.</p> <p>6) Properly abandon flowlines per Rule 1105. File electronic Form 42 once abandonment of on-location flowlines is complete. Within 30 days of an operator completing abandonment requirements for an off-location flowline or crude oil transfer line the operator must submit a Flowline Report, Form 44.</p> <p>7) With the Form 6 SRA operator must provide written documentation which positively affirms each COA has been addressed.</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>  |
|                 | Operator shall implement measures to control venting, to protect health and safety, and to ensure that vapors and odors from well plugging operations do not constitute a nuisance or hazard to public welfare  |
|                 | Submit Operator's Monthly Production Reports (Form 7) required for compliance with Rule 309 within 30 days: J Sand, 6/2004  |

### **Attachment Check List**

| <b>Att Doc Num</b> | <b>Name</b>             |
|--------------------|-------------------------|
| 402463706          | FORM 6 INTENT SUBMITTED |
| 402463738          | WELLBORE DIAGRAM        |
| 402468510          | WELLBORE DIAGRAM        |

Total Attach: 3 Files

### **General Comments**

| <b>User Group</b> | <b>Comment</b>  | <b>Comment Date</b> |
|-------------------|---|---------------------|
| Engineer          | In accordance with the Notice to Operators (NTO): Timing for COGCC Forms adopted on 05/01/2020, this Form 6 Notice of Intent to Abandon is valid for 12 months from the date of approval expiring on 08/16/2021. This NTO does not alter the deadlines for submission of, or compliance with any other Commission rule or Form. | 08/17/2020          |
| Permit            | Verified as-drilled GPS.<br>Corrected typo for J Sand perf zone. Verified zones.<br>Form 7 reporting missing for J Sand 6/2004. COA placed.<br>Permitting review complete.  | 08/13/2020          |
| Engineer          | Returned to draft for plug across DV tool.  | 08/12/2020          |

Total: 3 comment(s)