

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



DE ET OE ES

Document Number:

402579671

Date Received:

01/20/2021

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: 100322

Contact Name: Hilary Moore

Name of Operator: NOBLE ENERGY INC

Phone: (307) 250-4740

Address: 1001 NOBLE ENERGY WAY

Fax:

City: HOUSTON State: TX Zip: 77070

Email: hilary.moore@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 05-123-20864-00

Well Name: SMITH

Well Number: 21-5

Location: QtrQtr: NENW Section: 5 Township: 4N Range: 63W 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: 40.345384

Longitude: -104.463392

GPS Data: GPS Quality Value: 4.1 Type of GPS Quality Value: PDOP Date of Measurement: 10/07/2009

Reason for Abandonment: ☐ Dry ☒ Production Sub-economic ☐ Mechanical Problems☐ OtherCasing to be pulled: ☒ Yes ☐ No Estimated Depth: 860Fish 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	6600	6610			
DAKOTA	7340	7398			
J SAND	7064	7116			
NIOBRARA	6404	6510			

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
SURF	12+1/4	8+5/8	K-55	24	0	548	390	548	0	VISU
1ST	7+7/8	4+1/2	N-80	11.6	0	7430	420	7430	6024	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7290 with 2 sacks cmt on top. CIBP #2: Depth 7014 with 2 sacks cmt on top.

CIBP #3: Depth 6354 with 2 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 35 sks cmt from 2400 ft. to 2000 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: ☐

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 2400 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 295 sacks half in. half out surface casing from 860 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: 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:

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: 1/20/2021

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: McFarland, Nick

Date: 1/27/2021

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: 7/26/2021

COA Type	Description
	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 1/27/2022. This NTO does not alter the deadlines for submission of, or compliance with any other Commission rule or Form.
	<p>1) Provide 2 business day notice of plugging MIRU via electronic Form 42.</p> <p>2) After placing the plug at 2500', 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 860' 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 498' 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 90 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.

Attachment List

Att Doc Num	Name
402579671	FORM 6 INTENT SUBMITTED
402579709	WELLBORE DIAGRAM
402579711	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Most recent bradenhead test 8/24/20 - 0 psi. Last produced August 2019. MIT due August 2021 if not plugged. SB5 Base of Fox Hills Aquifer: 221' Deepest water well within 1 mile: 660' # of wells: 44 Production within one mile: JSND, CODL, NBRR	01/27/2021
Permit	Verified as-drilled GPS. Verified perf zones. Requested new 5A with detailed perf information for JSand, Niobrara, and Codell. Verified production reporting. Permitting review complete.	01/22/2021

Total: 2 comment(s)