

FORM
6
Rev
05/18

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: 401768395			
Date Received: 09/19/2018			

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: <u>100322</u>	Contact Name: <u>Garrett Reddin</u>
Name of Operator: <u>NOBLE ENERGY INC</u>	Phone: <u>(720) 822-9993</u>
Address: <u>1001 NOBLE ENERGY WAY</u>	Fax: _____
City: <u>HOUSTON</u> State: <u>TX</u> Zip: <u>77070</u>	Email: <u>garrett.reddin@nblenergy.com</u>
For "Intent" 24 hour notice required, Name: <u>Duran, Alicia</u> Tel: <u>(970) 370-1281</u>	
COGCC contact: Email: <u>alicia.duran@state.co.us</u>	

API Number <u>05-123-17864-00</u>	Well Name: <u>STATE</u>	Well Number: <u>36-714</u>
Location: QtrQtr: <u>SWNE</u> Section: <u>36</u> Township: <u>4N</u> Range: <u>64W</u> Meridian: <u>6</u>		
County: <u>WELD</u>	Federal, Indian or State Lease Number: <u>59821</u>	
Field Name: <u>WATTENBERG</u>	Field Number: <u>90750</u>	

Notice of Intent to Abandon Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.270660 Longitude: -104.497470

GPS Data:
Date of Measurement: 08/28/2006 PDOP Reading: 5.3 GPS Instrument Operator's Name: Paul Tappy

Reason for Abandonment: Dry Production Sub-economic Mechanical Problems
 Other _____

Casing to be pulled: Yes No Estimated Depth: 837

Fish in Hole: Yes No If yes, explain details below

Wellbore 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	6827	6837			
NIOBRARA	6556	6630			
Total: 2 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	23	637	250	637	0	VISU
1ST	7+7/8	3+1/2	7.7	7,023	180	7,023	6,066	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6504 with 20 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 _____ 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:
Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged:

Perforate and squeeze at 2394 ft. with 105 sacks. Leave at least 100 ft. in casing 2292 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 290 sacks half in. half out surface casing from 887 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. _____ inch casing Plugging Date: _____
of _____

*Wireline Contractor: _____ *Cementing Contractor: _____

Type of Cement and Additives Used: _____

Flowline/Pipeline has been abandoned per Rule 1105 Yes No *ATTACH JOB SUMMARY

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: Engineering Tech Date: 9/19/2018 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: JENKINS, STEVE Date: 9/20/2018

CONDITIONS OF APPROVAL, IF ANY: _____

Expiration Date: 3/19/2019

<u>COA Type</u>	<u>Description</u>
	Requirement for compliance with Rule 308B: COGCC Form 5A. completed interval report. Submit a form 5A to report the perforations in the Niobrara from 6556'-6570' and in correction of the information provided on the Form 5A submitted 11/02/2006 (Doc#1516889). The treatment date for the NBRR does not agree with the attached WBD or the Form 7 reporting. This Form 5A must be submitted within 30 days for compliance with Rule 308B.
	Requirement for compliance with Rule 309: Operator's Monthly Report of Operations, Form 7. Form 7 reporting is missing for 5/2006 for the CODL formation. Form 7 reporting is incorrect for 11/2005-5/2006. The Niobrara-Codell formation is incorrectly cited as producing. According to the attached WBD the NBRR formation was not completed until 6/2006. Submittal of a Form 7 in correction of these deficiencies is required for compliance with Rule 309 within 30 days.

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
401768395	FORM 6 INTENT SUBMITTED
401768415	WELLBORE DIAGRAM

Total Attach: 2 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	1) Deepest Water Well within 1 mile = 133'. 2) Fox Hills Bottom- N/A, per SB5.	09/20/2018
Agency	For Wells with known Bradenhead pressures: 1) Provide 48 hour notice of plugging MIRU via electronic Form 42. 2) The plug at 2394' needs to be placed and have an 8 hour WOC to assure that all fluid migration has been stopped. If that doesn't isolate the flow, additional attempts in front of the surface shoe plug will need to be attempted. Other downhole potential squeeze opportunities may need to be looked at before the 887' plug. 3) Prior to placing the 887' plug: verify that all fluid migration (liquid or gas) has been eliminated. If evidence of fluid migration or pressure remains, contact COGCC Engineer for an update to plugging orders. 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 587' or shallower and provide 10 sx plug at the surface. Leave at least 100' of cement in the casing for each plug. 5) Properly abandon on-location flowlines as per Rule 1105. File electronic Form 42 once abandonment 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.	09/20/2018
Agency	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.	09/20/2018
Agency	If there has not been a reported Bradenhead test within 60 days of plugging this well, prior to starting plugging operations, a Bradenhead test shall be performed. 1) If, before opening the Bradenhead valve, the beginning pressure is greater than 25 psi, sampling is required. 2) If pressure remains at the conclusion of the test, or if any liquids were present during the test, sampling is required. 3) If sampling is required contact COGCC engineering for an confirmation of plugging requirements prior to placing any plugs. Sampling shall comply with Operator Guidance - Bradenhead Testing and Reporting Instructions. The Form 17 shall be submitted within 10 days of the test.	09/20/2018
Permit	•Dates and depths for the Niobrara formation treatment on the Form 5A (Doc#1516889) does not agree with treatment dates on the attached WBD. Requesting a 5A to correct the NBRR formation top and treatment date. •Passed Permitting Review.	09/20/2018
Well File Verification	Pass	09/20/2018

Total: 6 comment(s)