

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: Sonu Choudhary
 Name of Operator: NOBLE ENERGY INC Phone: (303) 228-4302
 Address: 1001 NOBLE ENERGY WAY Fax: _____
 City: HOUSTON State: TX Zip: 77070 Email: narayan.choudhary@nblenergy.com

For "Intent" 24 hour notice required, Name: Silver, Randy Tel: (720) 827-6688
COGCC contact: Email: randy.silver@state.co.us

API Number 05-123-16950-00 Well Name: ART RED D Well Number: 9-16
 Location: QtrQtr: SESE Section: 9 Township: 3N Range: 64W Meridian: 6
 County: WELD Federal, Indian or State Lease Number: 59879
 Field Name: WATTENBERG Field Number: 90750

Notice of Intent to Abandon Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.234226 Longitude: -104.548498
 GPS Data:
 Date of Measurement: 09/14/2006 PDOP Reading: 2.4 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: 2500
 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	6928	6942			
NIOBRARA	6662	6726			
SUSSEX	4283	4324		SQUEEZED	

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	496	360	496	10	VISU
1ST	7+7/8	3+1/2	7.70	7,091	180	7,091	5,964	CBL
S.C. 1.1				4,500	440	4,500	3,565	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6612 with 20 sacks cmt on top. CIPB #2: Depth _____ with _____ sacks cmt on top.
CIBP #3: Depth _____ with _____ sacks cmt on top. CIPB #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 20 sks cmt from 6612 ft. to 6012 ft. Plug Type: CASING Plug Tagged:
Set 30 sks cmt from 4500 ft. to 3850 ft. Plug Type: CASING Plug Tagged:
Set 5 sks cmt from 2550 ft. to 2500 ft. Plug Type: STUB PLUG Plug Tagged:
Set 195 sks cmt from 2500 ft. to 2000 ft. Plug Type: CASING Plug Tagged:
Set 85 sks cmt from 712 ft. to 496 ft. Plug Type: CASING 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 155 sacks half in. half out surface casing from 496 ft. to 10 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: Diane Blair
Title: Operations Technician Date: 1/18/2019 Email: diane.blair@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: Jacobson, Eric Date: 1/28/2019

CONDITIONS OF APPROVAL, IF ANY: _____

Expiration Date: 7/27/2019

COA Type	Description
	CHANGE TO PLUGGING PROCEDURE The balanced casing plug at 4500' across the squeezed Sussex perforations must be tagged.
	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.
	1) Provide 48 hour notice of plugging MIRU via electronic Form 42. 2) Prior to placing the 712' 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. 3) 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 446' or shallower and provide 10 sack plug at surface. 4) Leave at least 100' of cement in the wellbore 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.
	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. -Missing November, 2004

Attachment Check List

Att Doc Num	Name
401910437	FORM 6 INTENT SUBMITTED
401910485	WELLBORE DIAGRAM
401910487	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

User Group	Comment	Comment Date
Engineer	Deepest Water Well within 1 Mile – 420' SB5 Base of Fox Hills - 467'	01/28/2019
Well File Verification	Pass	01/22/2019
Permit	<ul style="list-style-type: none"> •Verified SHL lat./long. •Verified NBRR & CODL perfed intervals via Doc.1947996 •Verified SUSX perfed interval via Doc. 635614 	01/22/2019

Total: 3 comment(s)