

FORM
6Rev
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



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Document Number:

401709156

Date Received:

08/01/2018

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: 10575

Contact Name: Philip Antonioli

Name of Operator: 8 NORTH LLC

Phone: (720) 354-4603

Address: 370 17TH STREET SUITE 5300

Fax:

City: DENVER State: CO Zip: 80202

Email: PAntonioli@extractionog.com

For "Intent" 24 hour notice required,

Name: Beardslee, Tom

Tel: (970) 420-3935

COGCC contact:

Email: tom.beardslee@state.co.us

API Number 05-013-06426-00

Well Name: DODD MB

Well Number: 33-9

Location: QtrQtr: NESE Section: 33 Township: 2N Range: 69W Meridian: 6

County: BOULDER

Federal, Indian or State Lease Number:

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: 40.092670

Longitude: -105.114900

GPS Data:

Date of Measurement: 04/18/2007

PDOP Reading: 1.4

GPS Instrument Operator's Name: Paul Tappy

Reason for Abandonment:

☐ Dry☒ Production Sub-economic☐ Mechanical Problems☐ OtherCasing to be pulled: ☒ Yes☐ No

Estimated Depth: 650

Fish in Hole: ☐ Yes☒ No

If yes, explain details below

Wellbore has Uncemented Casing leaks:

☒ Yes☐ No

If yes, explain details below

Details: Well was due for an MIT test. CIBP was set 100' above the top perf and tested to 300#. The casing immediately started losing pressure at +/- 4 psi per minute. Suspect the casing patch is leaking. Casing was previously repaired as follows: Chemical cut casing @5,201'. (*significant scale and corrosion damage on removed casing). A 3-1/2" packer type casing patch w/ 6-5/8" skirt was run w/ new 3-1/2" 7.7# casing back to surface. Casing patch @5,208.28' KB. Patch was tested to 2030psi 6/28/2005.

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
CODELL	7624	7643			
J SAND	8054	8089			
NIOBRARA	7394	7624			

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	548	235	548	0	VISU
1ST	7+7/8	3+1/2	9.3	7,796	320	7,796	6,818	CBL
1ST LINER	2+7/8	2+3/8	4.7	8,209	5	8,209	7,789	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7710 with 2 sacks cmt on top. CIBP #2: Depth 7344 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 40 sks cmt from 5500 ft. to 4500 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 50 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 288 sacks half in. half out surface casing from 750 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 Plugging Date: _____

*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:

Casing was previously repaired as follows: Chemical cut casing @5,201'. (*significant scale and corrosion damage on removed casing). A 3-1/2" packer type casing patch w/ 6-5/8" skirt was run w/ new 3-1/2" 7.7# casing back to surface. Casing patch @5,208.28' KB. Patch was tested to 2030psi 6/28/2005. Production casing currently has a leak. Suspect the casing patch is leaking. We will isolate the leaking interval and pump a 40sx balance plug over said interval.

*Top of Liner @7,776'

Deepest water well within 1 mile: 265'.

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

Signed: _____ Print Name: Philip Antonioli

Title: Production Engineer Date: 8/1/2018 Email: PAntonioli@extractionog.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: BURN, DIANA Date: 9/16/2018

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 3/15/2019

COA Type	Description
	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.
	<p>NOTE CHANGES: plug at 2500' perforated and placed NOTIFY COGCC engineering prior to placing plug at 2500'. The plug at 2500' 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. All flow must be stopped prior to 750' plug. Other downhole potential squeeze opportunities may need to be considered before the 2500' plug.</p> <p>1) Provide 48 hour notice of plugging MIRU via electronic Form 42. 2) If 385' plug not circulated to surface then tag plug – must be 285' or shallower and provide 10 sx plug at the surface. 3) Properly abandon flowlines as per Rule 1105. File electronic Form 42 once abandonment 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>
	Details of casing patch identified at 5208' need to be included with Subsequent Report of Abandonment (also detailed on wellbore diagram).
	<p>Production and Bradenhead gas analysis are required to be obtained prior to the plugging of this well. 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. If the well was not sampled as part of a prior test it should be sampled if pressure is 25# or greater. If there is a need for sampling - contact COGCC engineering for verification of plugging procedures (Pressure greater than 25# or any liquids flowed to surface).</p> <p>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. Sampling shall comply with Operator Guidance - Bradenhead Testing and Reporting Instructions, Appendix A: Liquid and Gas Sampling. The Form 17 shall be submitted within 10 days of the test.</p>

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
401709156	FORM 6 INTENT SUBMITTED
401709275	WELLBORE DIAGRAM
401720731	SURFACE CASING CHECK
401720732	SURFACE CASING CHECK

Total Attach: 4 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	JSND & Top of NBRR/Bot of CODL verified in doc #1253556 operator states no documentation of Bot perf of NBRR or Top perf of CODL CODL formation top used as CODL top/NBRR bottom per doc #1338958 wellbore diagram (doc #401709275) acceptable	08/02/2018
Permit	-Returning to draft for confirmation of the Niobrara being completed and the J-Sand Perfs interval	08/01/2018
Engineer	Returning to DRAFT for the details and documentation of the repair. Need the details of the repair for this well. Those details are part of the consideration as to how the well should be properly plugged. Would have liked the liner to be included in the casing/cement description. The recent BrHd test indicates that there was pressure on the BrHd and no sample was taken. A sample of both the production gas and the Bradenhead gas should be collected and be submitted for isotopic analysis.	07/30/2018
Well File Verification	Pass	07/26/2018
Permit	Returned to draft per operator's request.	07/20/2018

Total: 5 comment(s)