

FORM
6Rev
12/05

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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Date Received:

08/08/2013

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: Leah Perkins

Name of Operator: NOBLE ENERGY INC

Phone: (970) 304-5222

Address: 1625 BROADWAY STE 2200

Fax: (970) 304-5099

City: DENVER State: CO Zip: 80202

Email: lperkins@nobleenergyinc.com

For "Intent" 24 hour notice required,

Name: JOHNSON, RANDELL

Tel:

COGCC contact:

Email: randell.johnson@state.co.us

API Number 05-001-09548-00

Well Name: HELMING

Well Number: 43-19

Location: QtrQtr: NESE Section: 19 Township: 3S Range: 62W Meridian: 6

County: ADAMS

Federal, Indian or State Lease Number:

Field Name: ZENITH

Field Number: 98940

☒ Notice of Intent to Abandon☐ Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 39.772690

Longitude: -104.360480

GPS Data:

Date of Measurement: 12/30/2005

PDOP Reading: 2.6

GPS Instrument Operator's Name: BRAD STELL

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

Estimated Depth: 5000

Fish in Hole: ☒ Yes ☐ No

If yes, explain details below

Wellbore has Uncemented Casing leaks: ☒ Yes ☐ No

If yes, explain details below

Details: deleted 08/12/2013 Well failed Bradenhead test. There may be possible casing leaks or a microannulus in the production casing cement. Packer stuck @ 7810' around J Sand perfs; J Sand is still able to produce through packer.

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
CODELL	7366	7389			
J SAND	7810	7845			
NIOBRARA	7110	7242			

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	507	150	507	0	VISU
1ST	7+7/8	4+1/2	10.5	7,926	400	7,926	6,260	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7760 with 2 sacks cmt on top. CIPB #2: Depth 7060 with 2 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 100 sks cmt from 5100 ft. to 4900 ft. Plug Type: STUB PLUG Plug Tagged: ☐
Set 50 sks cmt from 2500 ft. to 2400 ft. Plug Type: OPEN HOLE 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 _____ 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 225 sacks half in. half out surface casing from 610 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 1103 ☐ Yes ☐ No *ATTACH JOB SUMMARY

Technical Detail/Comments:

4.5" production casing has 19 joints of 11.6# casing and 180 joints of 10.5# casing.

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

Signed: _____ Print Name: Ross Snyder

Title: Base Production Tech Date: 8/8/2013 Email: rsnyder@nobleenergyinc.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: _____ Date: _____

CONDITIONS OF APPROVAL, IF ANY: _____

Expiration Date: _____

COA Type

Description

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Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400465281	FORM 6 INTENT SUBMITTED
400465322	WELLBORE DIAGRAM
400465326	PROPOSED PLUGGING PROCEDURE
400465330	WELLBORE DIAGRAM

Total Attach: 4 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	deleted per opertor request	8/12/2013 12:18:52 PM
Permit	Email from Ross Snyder: I apologize but I filled out all of the P&A information for the Domenico 1 on this Form 6. The Helming 43-19 happened to be on my desk for an LOE at the time and I typed in its API when I started the Form 6. Please disregard this Form 6.	8/12/2013 10:59:37 AM
Permit	Drilling completion report doc.# 1491352 dated 1/17/2006	3/9/2013 4:46:18 AM

Total: 3 comment(s)