

**FORM**  
**6**  
Rev  
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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Document Number:

400410131

Date Received:

04/26/2013

**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) 286-5925  
 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: HICKEY, MIKE Tel: (970) 302-1024

**COGCC contact:** Email: mike.hickey@state.co.us

API Number 05-001-06790-00 Well Number: 1  
 Well Name: CASE  
 Location: QtrQtr: NENE Section: 17 Township: 1S Range: 66W Meridian: 6  
 County: ADAMS 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: 39.969599 Longitude: -104.793380

GPS Data:  
 Date of Measurement: 06/29/2010 PDOP Reading: 3.4 GPS Instrument Operator's Name: Paul Tappy

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

Casing to be pulled:  Yes  No Estimated Depth: 1000

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

Wellbore has Uncemented Casing leaks:  Yes  No If yes, explain details below

Details: DCP sales line developed a leak and production of impacted wells was not adequate to justify the repair.

**Current and Previously Abandoned Zones**

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
J SAND	8104	8134			

Total: 1 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	24.0	113	110	113	0	VISU
1ST	7+7/8	4+1/2	11.6	8,237	250	8,237	7,137	CALC
S.C. 1.1	7+7/8	4+1/2	11.6	1,207	250	1,210	107	CALC

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 8004 with 2 sacks cmt on top. CIBP #2: Depth 7200 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 20 sks cmt from 3000 ft. to 2740 ft. Plug Type: CASING Plug Tagged:   
Set 100 sks cmt from 1260 ft. to 125 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:   
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 \_\_\_\_\_ sacks half in. half out surface casing from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Plug Tagged:   
Set 10 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:

Will run a CBL as part of P&A procedure to determine cement tops and coverage.

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

Signed: \_\_\_\_\_ Print Name: Julie Ottoson  
Title: Base Production Tech Date: 4/26/2013 Email: JOttoson@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: BURN, DIANA Date: 5/21/2013

**CONDITIONS OF APPROVAL, IF ANY:**

Expiration Date: 11/20/2013

#### NOTE CHANGE IN PLUGGING PROCEDURES

CBL to be run – CIBP @~7200' must be set under cement top. Uphole coverage needs to be verified.

- 1) Provide 24 hour notice of MIRU to Mike Hickey at 970-302-1024 or e-mail at Mike.Hickey@state.co.us.
- 2) For 1260' plug: pump plug and displace, if not circulated to surface, shut-in, WOC 4 hours and tag plug – must be 80' or shallower. Place 10 sx inside and outside of casing if not circulated to surface. If annular cement not to surface, top off annulus if casing plug circulated to surface. Leave at least 100' cement in the casing for each plug.
- 3) Properly abandon flowlines as per Rule 1103.

**Attachment Check List**

Att Doc Num	Name
400410131	FORM 6 INTENT SUBMITTED
400410141	WELLBORE DIAGRAM
400410142	PROPOSED PLUGGING PROCEDURE
400410143	WELLBORE DIAGRAM

Total Attach: 4 Files

**General Comments**

<b>User Group</b>	<b>Comment</b>	<b>Comment Date</b>
Engineer	<p>LOCATION: NE1/4 OF NE1/4 OF SEC. 17, T.1s., R.66W. (990 NSL, 990 ESL)</p> <p>Ground Elevation: 5033 Number of Acres: 160</p> <p>ELEVATION DEPTH TO ANNUAL            ----- NET ----- APPROP STATUS            AQUIFER BOT. TOP SAND BOT. TOP A-F            -----            UPPER DAWSON ---- - - - - -            LOWER DAWSON ---- - - - - -            DENVER ---- - - - - -            UPPER ARAPAHOE 4846 4913 18.1 187 120 4.92 NNT            LOWER ARAPAHOE 4452 4771 137.4 581 262 37.37 NNT            LARAMIE-FOX HILLS 3898 4123 161.6 1135 910 38.78 NT</p> <p>note: E indicates location is at aquifer boundary and values may be more approximate.</p>	<p>5/19/2013 2:24:41 PM</p>
Permit	Well completion or recompletion report. doc. # 319941 dated 5/1/1974	<p>4/29/2013 5:35:16 AM</p>

Total: 2 comment(s)