

**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:  
400317167

Date Received:

**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: EDELEN, RANDY Tel: (970) 520-2531  
**COGCC contact:** Email: randy.edelen@state.co.us

API Number 05-123-15914-00 Well Number: D 16-12  
 Well Name: SPIKE ST GWS  
 Location: QtrQtr: NWSW Section: 16 Township: 3N Range: 64W Meridian: 6  
 County: WELD Federal, Indian or State Lease Number: 70/7884-S  
 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: 40.224020 Longitude: -104.563800  
 GPS Data:  
 Date of Measurement: 09/22/2006 PDOP Reading: 2.5 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: 3750  
 Fish in Hole:  Yes  No If yes, explain details below  
 Wellbore has Uncemented Casing leaks:  Yes  No If yes, explain details below

Details: WELL IS LOCATED 150' FROM NEW HORIZONTAL WELL (GUTTERSEN ST D16-65-1HN). SUSSEX HAS ALREADY BEEN SQUEEZED, LEAVING ONLY A CODELL COMPLETION. NIOBRARA RESERVES CAPTURED BY NEW HORIZONTAL WELL.

**Current and Previously Abandoned Zones**

Formation	Code	Perf. Top	Perf. Bottom	Date	Method of Isolation	Plug Depth
CODELL	CODL	6982	6992			
SUSSEX	SUSX	4354	4398	07/19/2004	SQUEEZED	

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	24	389	265	389	0	VISU
1ST	7+7/8	3+1/2	9.3	7,122	450	7,122	3,862	CBL
S.C. 1.1	7+7/8	3+1/2	9.3	7,122	100	4,500	3,862	CBL
S.C. 1.2	7+7/8	3+1/2	9.3	7,122	150	4,398	4,354	CALC
S.C. 1.3	7+7/8	3+1/2	9.3	7,122	100	4,398	4,354	CALC

### Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6882 with 2 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 100 sks cmt from 3850 ft. to 3650 ft. Plug Type: STUB PLUG Plug Tagged:   
 Set 40 sks cmt from 2500 ft. to 2420 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 275 sacks half in. half out surface casing from 489 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:  
 \_\_\_\_\_

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 Prod Operations Tech Date: \_\_\_\_\_ 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: \_\_\_\_\_ Date: \_\_\_\_\_

**CONDITIONS OF APPROVAL, IF ANY:** \_\_\_\_\_ Expiration Date: \_\_\_\_\_  
 \_\_\_\_\_

### Attachment Check List

Att Doc Num	Name
400317231	WELLBORE DIAGRAM
400317232	PROPOSED PLUGGING PROCEDURE
400317233	WELLBORE DIAGRAM

Total Attach: 3 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>

Total: 0 comment(s)