

Document Number:  
2330273

Date Received:  
12/29/2011

**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: 62340 Contact Name: ANDREW BUSCH

Name of Operator: NATIONAL FUEL CORPORATION Phone: (303) 220-7772

Address: 8400 EAST PRENTICE AVE #1100 Fax: (303) 220-7773

City: GREENWOOD State: CO Zip: 80111- Email: ABUSCH@NATIONAL-FUEL.COM

**For "Intent" 24 hour notice required,** Name: \_\_\_\_\_ Tel: \_\_\_\_\_

**COGCC contact:** Email: \_\_\_\_\_

API Number 05-077-08506-00

Well Name: FEDERAL Well Number: 2-24-81

Location: QtrQtr: NWSW Section: 24 Township: 8S Range: 101W Meridian: 6

County: MESA Federal, Indian or State Lease Number: 35599

Field Name: COAL GULCH Field Number: 11450

Notice of Intent to Abandon  Subsequent Report of Abandonment

*Only Complete the Following Background Information for Intent to Abandon*

Latitude: 39.346525 Longitude: -108.611579

GPS Data:  
Date of Measurement: 07/09/2009 PDOP Reading: 3.4 GPS Instrument Operator's Name: BEN JOHNSON/ULES

Reason for Abandonment:  Dry  Production for Sub-economic  Mechanical Problems

Other \_\_\_\_\_

Casing to be pulled:  Yes  No Estimated Depth: \_\_\_\_\_

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

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

Details: THE FOLLOWING DETAILS ARE POST PLUG AND ABANDONMENT.

**Current and Previously Abandoned Zones**

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
CAMEO	1704	1726	12/07/2011	CEMENT	1626
DAKOTA	6403	6536	11/26/2003	CEMENT	6111

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+3/4	10+3/4	40.5	188	217	217	0	VISU
1ST	8+3/4	7	20	2,312	135	2,312	1,312	CALC
2ND	6+1/4	4+1/2	11.6	6,729	135	6,729	6,165	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth \_\_\_\_\_ with \_\_\_\_\_ 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 30 sks cmt from 1726 ft. to 1656 ft. Plug Type: CASING Plug Tagged:   
 Set 140 sks cmt from 238 ft. to 0 ft. Plug Type: CASING Plug Tagged:   
 Set 32 sks cmt from 238 ft. to 0 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:

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 \_\_\_\_\_ 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: 0 ft. of \_\_\_\_\_ inch casing Plugging Date: 12/20/2011  
 \*Wireline Contractor: DLD WIRELINE \*Cementing Contractor: WELL PLUGGERS INC  
 Type of Cement and Additives Used: CLASS "G" NO ADDITIVES  
 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: ANDREW BUSCH  
 Title: VP OF OPERATIONS Date: 12/22/2011 Email: ABUSCH@NATIONAL-FUEL.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: JENKINS, STEVE Date: 3/29/2012

**CONDITIONS OF APPROVAL, IF ANY:**

COA Type	Description

## Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
2330273	FORM 6 SUBSEQUENT SUBMITTED
2330274	OPERATIONS SUMMARY
2330275	WELLBORE DIAGRAM

Total Attach: 3 Files

## General Comments

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

Total: 0 comment(s)