

FORM  
6Rev  
12/05State of Colorado  
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



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09/07/2011

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## 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: BROWNING, CHUCK

Tel: (970) 433-4139

COGCC contact:

Email: chuck.browning@state.co.us

API Number 05-077-08009-00

Well Name: GREAT BASINS-H.C.-FEDERAL

Well Number: 5

Location: QtrQtr: SWNW Section: 29 Township: 8S Range: 100W Meridian: 6

County: MESA

Federal, Indian or State Lease Number: 35701

Field Name: HUNTERS CANYON

Field Number: 37700

☒ Notice of Intent to Abandon☐ Subsequent Report of Abandonment

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

Latitude: 39.331879

Longitude: -108.576190

GPS Data:

Date of Measurement: 07/09/2009

PDOP Reading: 1.6

GPS Instrument Operator's Name: BEN JOHNSON/ULES

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

Top of Casing Cement:

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 PLUGGING PROCEDURE IS FOR WORK TO BE PERFORMED. \*comments

## Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
COZZETTE-CORCORAN	1870	2019			
MESAVERDE	1768	1772			
ROLLINS	1522	1564			

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	13+3/8	12+1/4	28	153	81	153	0	VISU
1ST	7+7/8	5+1/2	14	2,044	100	2,044	1,265	CALC

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 1690 with 2 sacks cmt on top. CIPB #2: Depth 1515 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 \_\_\_\_\_ 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: ☐  
Set \_\_\_\_\_ sks cmt from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Plug Type: \_\_\_\_\_ Plug Tagged: ☐

Perforate and squeeze at 230 ft. with 100 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: \_\_\_\_\_ 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: ANDREW BUSCH

Title: VP OPERATIONS Date: 8/30/2011 Email: ABUSH@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: KRABACHER, JAY Date: 10/13/2011

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

Expiration Date: 4/12/2012

### **Attachment Check List**

Att Doc Num	Name
2089507	WELLBORE DIAGRAM
2089509	FORM 6 INTENT SUBMITTED
2505931	FORM 6 INTENT SUBMITTED
2505932	OTHER

Total Attach: 4 Files

### **General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Engineer	COGCC wellfiles have some different data than that originally on this form. JK added another zone of perms below the 2 originally shown. Surf Casing specs are different (larger O.H. & csg size, at shallower depth). Well TD is deeper than initially on this form. * where is "plugging procedure"?? (mentioned on 1st tab).	10/13/2011 1:10:10 PM
Permit	Implemented changes to notice Completion report submitted March 23, 1972 will meet Form 5 requirements	10/13/2011 12:04:11 PM
Permit	Attached WBD and revised Form 6	10/6/2011 4:54:43 PM

Total: 3 comment(s)