

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

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



DE ET OE ES

Replug By Other Operator

Document Number:

400657543

Date Received:

08/06/2014

## 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: 10439

Contact Name: Cynthia Pinel

Name of Operator: CARRIZO NIOBRARA LLC

Phone: (713) 358-6210

Address: 500 DALLAS STREET #2300

Fax:

City: HOUSTON State: TX Zip: 77002

Email: cynthia.pinel@crzo.net

For "Intent" 24 hour notice required,

Name: Tel:

COGCC contact:

Email:

API Number 05-123-05496-00

Well Name: DUELL B

Well Number: 1

Location: QtrQtr: SESE Section: 26 Township: 8N Range: 60W Meridian: 6

County: WELD

Federal, Indian or State Lease Number:

Field Name: BUCKINGHAM WEST

Field Number: 7572

☐ Notice of Intent to Abandon☒ Subsequent Report of Abandonment

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

Latitude: 40.627970

Longitude: -104.051800

GPS Data:

Date of Measurement: 03/04/2014

PDOP Reading: 1.9

GPS Instrument Operator's Name: Eric Purcell

Reason for Abandonment: ☐ Dry ☐ Production for Sub-economic ☐ Mechanical Problems☒ Other Re-enter & PlugCasing 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:

## Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
BENTONITE	6677		04/08/2014		
CARLILE	6364		04/08/2014		
D SAND	6784		04/08/2014		
J SAND	6871	6880	04/08/2014		
NIOBRARA	6055		04/08/2014	CEMENT	
SKULL CREEK	6983		04/08/2014		

Total: 6 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	10+5/8	8+5/8	28	124	100	124	0	CALC
1ST	7+3/8	5+1/2	15.5	6,999	150	6,999	5,820	CALC

### Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth \_\_\_\_\_ with \_\_\_\_\_ sacks cmt on top. CIPB #2: Depth \_\_\_\_\_ with \_\_\_\_\_ 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 5400 ft. to 5100 ft. Plug Type: OPEN HOLE Plug Tagged: ☐  
Set 350 sks cmt from 615 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: ☐  
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: \_\_\_\_\_ ft. of \_\_\_\_\_ inch casing Plugging Date: 04/08/2014  
\*Wireline Contractor: Schneider Energy \*Cementing Contractor: Cementer's Well Service  
Type of Cement and Additives Used: \_\_\_\_\_  
Flowline/Pipeline has been abandoned per Rule 1103 ☐ Yes ☐ No \*ATTACH JOB SUMMARY

#### Technical Detail/Comments:

Carrizo re-entered and plugged the Duell B-1 due to an offset well evaluation of our Hemberger wells in sections 25 (1, 3, 4, 5 & 6) and 26 (1, 2 & 3). This well was within 1500' and required adequate plugging prior to frac operations. An as-plugged WBD is attached.

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

Signed: \_\_\_\_\_ Print Name: Cynthia Pinel  
Title: Regulatory Comp. Analyst Date: 8/6/2014 Email: cynthia.pinel@crzo.net

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: SUTPHIN, DIRK Date: 9/12/2014

#### CONDITIONS OF APPROVAL, IF ANY:

#### COA Type Description

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### Attachment Check List

Att Doc Num

Name

400657543	FORM 6 SUBSEQUENT SUBMITTED
400657548	WELLBORE DIAGRAM
400657549	CEMENT JOB SUMMARY

Total Attach: 3 Files

### General Comments

User Group

Comment

Comment Date

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Total: 0 comment(s)