

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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| DE | ET | OE | ES |
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Replug By Other Operator

Document Number:

400591567

Date Received:

04/17/2014

## 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: Rains, Bill

Tel: (970) 590-6480

COGCC contact:

Email: bill.rains@state.co.us

API Number 05-123-05492-00

Well Name: H H DUELL B

Well Number: 2

Location: QtrQtr: SESW Section: 25 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: 40.628000

Longitude: -104.042440

GPS Data:

Date of Measurement: PDOP Reading: GPS Instrument Operator's Name:

Reason for Abandonment: ☐ Dry ☐ Production for Sub-economic ☐ Mechanical Problems☒ Other re-enter & plugCasing to be pulled: ☐ Yes ☐ No Estimated Depth: 6920Fish in Hole: ☐ Yes ☐ No If yes, explain details belowWellbore has Uncemented Casing leaks: ☐ Yes ☐ No If yes, explain details below

Details: The scope of this work is to re-enter the old wellbore that had previously been plugged and abandoned. The well will be properly plugged and abandoned by setting cement plugs to isolate the Niobrara, freshwater zones, and setting a cement cap near the surface. Then the surface casing will have a plate welded as final seal 5' below the surface. The old wellbore will then be buried and the surface location will be remediated.

## Current and Previously Abandoned Zones

| Formation | Perf. Top | Perf. Btm | Abandoned Date | Method of Isolation | Plug Depth |
|-----------|-----------|-----------|----------------|---------------------|------------|
| D SAND    | 6787      |           |                |                     |            |
| J SAND    | 6875      |           |                |                     |            |
| NIOBRARA  | 6047      |           |                | CEMENT              |            |

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        | 12+1/4       | 8+5/8          | 24              | 103           | 125          | 103        | 0          | CALC   |
| 1ST         | 7+1/8        | 5+1/2          | 17              | 6,920         | 200          | 6,920      | 5,535      | CALC   |

### 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 77 sks cmt from 5308 ft. to 5038 ft. Plug Type: OPEN HOLE Plug Tagged: ☐  
 Set 172 sks cmt from 600 ft. to 0 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 \_\_\_\_\_ 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: Cynthia Pinel  
 Title: Regulatory Comp. Analyst Date: 4/17/2014 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: 4/24/2014

CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_ Expiration Date: 10/23/2014

| <b>COA Type</b> | <b>Description</b>  |
|-----------------|---|
|                 | 1) Provide 48 hour notice of MIRU via electronic Form 42.<br>2) Submit Form 42(s) - OFFSET MITIGATION COMPLETED, in accordance with DJ Basin Horizontal Offset Policy.<br>3) Submit Form 6 – Subsequent Report of Abandonment within 30 days of plugging in accordance with Rule 311.<br>4) Provide well location GPS coordinates on Subsequent Report of Abandonment in accordance with COGCC As-Built Location Policy and Rule 215.<br>5) If operator is unable to set 1st cement plug at depth proposed contact COGCC engineer to set plug elsewhere in Pierre shale. Set as deep as possible. |
|                 | 1) As built GPS coordinates will be provided on the form 6, SRA.<br>2) Operator will submit a Form 42 - Offset Mitigation Completed for the re-plugged well, referencing the API Number of the proposed horizontal well.<br>3) Operator will submit a Form 4 to report date Final Reclamation will commence. Final reclamation should begin as soon as practicable.   |

### **Attachment Check List**

| <b>Att Doc Num</b> | <b>Name</b>                 |
|--------------------|-----------------------------|
| 400591567          | FORM 6 INTENT SUBMITTED     |
| 400591586          | PROPOSED PLUGGING PROCEDURE |
| 400591587          | WELLBORE DIAGRAM            |
| 400591588          | WELLBORE DIAGRAM            |
| 400591589          | OTHER                       |
| 400591590          | OTHER                       |

Total Attach: 6 Files

### **General Comments**

| <b>User Group</b> | <b>Comment</b>  | <b>Comment Date</b>      |
|-------------------|---|--------------------------|
| Engineer          | Casing was shot off at 5308' and pulled during 1967 plugging. | 4/24/2014<br>11:47:04 AM |
| Permit            | Final Rec Inspection #200002384 from 12/1999 in well file.    | 4/18/2014<br>7:07:54 AM  |

Total: 2 comment(s)