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**Replug By Other Operator**  
 Document Number:  
 400566403  
 Date Received:  
 03/05/2014

**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 05-123-13654-00 Well Name: DUELL Well Number: 3-23  
 Location: QtrQtr: NENW Section: 23 Township: 8N Range: 60W Meridian: 6  
 County: WELD Federal, Indian or State Lease Number: \_\_\_\_\_  
 Field Name: WILDCAT Field Number: 99999

Notice of Intent to Abandon  Subsequent Report of Abandonment

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

Latitude: 40.653375 Longitude: -104.060721  
 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 & Plug  
 Casing to be pulled:  Yes  No Estimated Depth: 6985  
 Fish in Hole:  Yes  No If yes, explain details below  
 Wellbore 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 formation, freshwater zones, and setting a cement cap near the surface. Then the surface casing will have a plate welled as final seal 6' below the surface. The old wellbore will then be buried and the surface location will be remediated. Plugging Procedure attached along with proposed and current WBD.

**Current and Previously Abandoned Zones**

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
D SAND-CODELL-NIOBRARA	6820				
J SAND	6906				
NIOBRARA	6096			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	10+5/8	8+5/8	24	235	180	235	0	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 86 sks cmt from 6096 ft. to 5796 ft. Plug Type: OPEN HOLE Plug Tagged:   
 Set 174 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:

Closed loop will be utilized and no pit will be constructed. A historical PA surface reclamation was done on this well on 4/27/1988. GPS coordinates will be field verified and updated on the Form 6 Subsequent Report.

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: 3/5/2014 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: 3/10/2014

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

Expiration Date: 9/9/2014

<u>COA Type</u>	<u>Description</u>
	1) As built GPS coordinates will be provided on the form 6, SRA. 2) Operator will submit a Form 42 - Offset Mitigation Completed for the re-plugged well, referencing the API Number of the proposed horizontal well. 3) Operator will submit a Form 4 to report date Final Reclamation will commence. Final reclamation should begin as soon as practicable.
	1) Provide 48 hour notice of MIRU via electronic Form 42. 2) Submit Form 6 – Subsequent Report of Abandonment within 30 days of plugging in accordance with Rule 311.

### Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400566403	FORM 6 INTENT SUBMITTED
400566427	WELLBORE DIAGRAM
400566428	WELLBORE DIAGRAM
400566429	OTHER
400566430	OTHER

Total Attach: 5 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Final Reclamation Inspection in file.	3/6/2014 7:44:12 AM

Total: 1 comment(s)