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Replug By Other Operator

Document Number:

400657191

Date Received:

08/05/2014

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: _____ Tel: _____
COGCC contact: Email: _____

API Number 05-123-09617-00 Well Number: 25-1
 Well Name: DUELL
 Location: QtrQtr: NWSW 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: 40.630790 Longitude: -104.045850
 GPS Data:
 Date of Measurement: 03/10/2014 PDOP Reading: 2.7 GPS Instrument Operator's Name: Marc Woodard
 Reason for Abandonment:
 Dry
 Production for Sub-economic
 Mechanical Problems
 Other Re-enter & Plug
 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: _____

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth

Total: 0 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	182	150	182	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 100 sks cmt from 3000 ft. to 2700 ft. Plug Type: OPEN HOLE Plug Tagged:
 Set 490 sks cmt from 615 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: 04/12/2014
 *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 25-1 due to an offset well evaluation of our Hemberger well 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: 8/5/2014 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: 9/11/2014

CONDITIONS OF APPROVAL, IF ANY: _____

COA Type	Description

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400657191	FORM 6 SUBSEQUENT SUBMITTED
400657214	WELLBORE DIAGRAM
400657215	CEMENT JOB SUMMARY

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Erased Current and Previously Abandoned Zones. They were just fm tops. Well was DA: no casing, no perforated intervals.	9/11/2014 5:00:40 PM

Total: 1 comment(s)