

FORM  
6Rev  
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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Document Number:

400474060

Date Received:

08/28/2013

## 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: 47120

Contact Name: CHERYL LIGHT

Name of Operator: KERR-MCGEE OIL &amp; GAS ONSHORE LP

Phone: (720) 929-6461

Address: P O BOX 173779

Fax: (720) 929-7461

City: DENVER State: CO Zip: 80217-

Email: CHERYL.LIGHT@ANADARKO.COM

For "Intent" 24 hour notice required,

Name: PRECUP, JIM

Tel: (303) 726-3822

COGCC contact:

Email: james.precup@state.co.us

API Number 05-123-10041-00

Well Name: HELGOTH HEIRS UNIT

Well Number: 1

Location: QtrQtr: SWSW Section: 24 Township: 2N Range: 66W Meridian: 6

County: WELD

Federal, Indian or State Lease Number:

Field Name: WATTENBERG

Field Number: 90750

☒ Notice of Intent to Abandon☐ Subsequent Report of Abandonment

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

Latitude: 40.118310

Longitude: -104.732580

GPS Data:

Date of Measurement: 04/29/2007

PDOP Reading: 2.6

GPS Instrument Operator's Name: LARRY ROBBINS

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

Details: There are known leaks in the production casing from 1651' - 3169'. Remedial cement was added from 1000' to 300' (possibly higher) when Whitewing Resources was recompleting the CDNI in 2005 by shooting perforations @ 1000'. The JS plug has 2 sacks of cement on top, while the CDNI's CIBP @ 7320' w/40 sacks spotted on top and tagged @ 6612' on 7/24/2013.

## Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
NIOBRARA-CODELL	7306	7540	07/23/2013	B PLUG CEMENT TOP	7230
J SAND	7982	8013	07/22/2013	B PLUG CEMENT TOP	7907

Total: 2 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	243	175	243	0	CALC
1ST	7+7/8	4+1/2	10.5/11.6	8,075	175	8,075	6,668	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 150 with 9 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 \_\_\_\_\_ 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 5450 ft. with 650 sacks. Leave at least 100 ft. in casing 4560 CICR Depth

Perforate and squeeze at 1651 ft. with 40 sacks. Leave at least 100 ft. in casing 1600 CICR Depth

Perforate and squeeze at \_\_\_\_\_ ft. with \_\_\_\_\_ sacks. Leave at least 100 ft. in casing \_\_\_\_\_ CICR Depth

(Cast Iron Cement Retainer Depth)

Set 60 sacks half in. half out surface casing from 1180 ft. to 150 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:

Perforate and squeeze at 5450/4540 ft. with 650 sacks Leave at least 100 ft. in casing 4560 CICR Depth  
Perforate and squeeze at 1651' (Previous HIC) ft. with 40 sacks Leave at least 100 ft. in casing 1600' CICR Depth

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

Signed: \_\_\_\_\_ Print Name: CHERYL LIGHT

Title: SR. REGULATORY ANALYST Date: 8/28/2013 Email: DJREGULATORY@ANADARKO.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: BURN, DIANA Date: 9/14/2013

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

Expiration Date: 3/13/2014

<u>COA Type</u>	<u>Description</u>
	Need contractor's tax for previously set CIBPs (7/2013/ included with SUBsequent Report of Abandonment
	1) Provide 24 hour notice of MIRU to Jim Precup at 303-726-3822 or e-mail at James.Precup@state.co.us. 2) For 1180' plug: pump plug and displace, if not circulated to surface - shut-in, WOC 4 hours and tag plug (must be 190' or shallower). Leave at least 100' cement in the casing for each plug. 3) Properly abandon flowlines as per Rule 1103.

### Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400474060	FORM 6 INTENT SUBMITTED
400474061	PROPOSED PLUGGING PROCEDURE
400474062	WELLBORE DIAGRAM
400474069	WELLBORE DIAGRAM

Total Attach: 4 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	SC doc 1739882	9/14/2013 3:12:08 PM
Permit	Corrected formation to Niobrara-Codell.	8/29/2013 7:50:09 AM

Total: 2 comment(s)