

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



DE ET OE ES

Document Number:

400587894

Date Received:

04/10/2014

## 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: 100185

Contact Name: Bonnie Lamond

Name of Operator: ENCANA OIL &amp; GAS (USA) INC

Phone: (720) 876-5156

Address: 370 17TH ST STE 1700

Fax:

City: DENVER State: CO Zip: 80202-

Email: bonnie.lamond@encana.com

For "Intent" 24 hour notice required,

Name: JOHNSON, RANDELL

Tel: (303) 815-9641

COGCC contact:

Email: randell.johnson@state.co.us

API Number 05-123-14823-00

Well Name: SPRAGUE

Well Number: 1-9

Location: QtrQtr: NENW Section: 9 Township: 2N Range: 67W 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: 40.156491

Longitude: -104.899248

GPS Data:

Date of Measurement: 05/27/2009

PDOP Reading: 2.4

GPS Instrument Operator's Name: Joseph Dugan

Reason for Abandonment: ☐ Dry ☐ Production for Sub-economic ☐ Mechanical Problems☒ Other ECA Sprague PadCasing to be pulled: ☒ Yes☐ No

Estimated Depth: 8090

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
J SAND	7900	7952	04/24/2014	B PLUG CEMENT TOP	7850

Total: 1 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	485	400	485	0	VISU
1ST	7+7/8	4+1/2	11.6	8,012	700	8,012	6,600	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7850 with 8 sacks cmt on top. CIBP #2: Depth 484 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 10 sks cmt from 7220 ft. to 7120 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: ☐

Set \_\_\_\_\_ sks cmt from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Plug Type: \_\_\_\_\_ Plug Tagged: ☐

Perforate and squeeze at 4480 ft. with 40 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:

1. Submit COGCC Form 42 48 hours prior to MIRU.
2. Hold a pre-job safety meeting. Discuss all aspects of the procedure with any involved personnel. Identify and address any safety concerns before the job begins.
3. MIRU pulling unit. NU BOP.
4. Pull production tools and tubing.
5. RIH and set CIBP #1 @ 7850' (50' above top J sand perforation). Ensure that CIBP is set in the middle of the joint of casing.
6. Dump bail 8 sxs of Class G Neat cement on top of CIBP (100' of cement).
- 6a. Add Nio plug-see COAs
- 6b. Add Sussex plug-see COAs
7. RIH and set CIBP #2@ 484' (50' below surface shoe). Ensure that CIBP is set in the middle of the joint of casing.
8. RIH with wireline and shoot four squeeze holes at 474'. POOH and ensure all shots were fired.
9. Establish injection through squeeze holes.
10. Pump 175 sxs of Class G Neat cement (15% excess) down 4.5" casing while taking returns up 8-5/8" x 4-1/2" annulus.
11. WOC for 4 hours and tag plug. If cement top is greater than 140' top off casing and annulus with cement as necessary.
12. ND BOP, RDMO pulling unit.
13. Cut off casing 4' below ground level.
14. Weld on metal plate and dry hole marker.
15. Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment is complete.

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

Signed: \_\_\_\_\_ Print Name: Bonnie Lamond

Title: Permitting Analyst Date: 4/10/2014 Email: bonnie.lamond@encana.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: SCHLAGENHAUF, MARKDate: 4/23/2014**CONDITIONS OF APPROVAL, IF ANY:**Expiration Date: 10/22/2014**COA Type****Description**

	Note changes to plugging procedure: 1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU. 2) Add 10 sxs casing plug over Niobrara. Pump plug and displace, shut-in, WOC 4 hours and tag plug. Must be 7120' or shallower. 3) Add Sussex plug by perforating@4480' and squeezing with 40 sxs. Pump plug and displace, shut-in, WOC 4 hours and tag plug. Must be 4380' or shallower. If maintain circulation don't need to tag plug. 4) For 474' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 559' or shallower. 5) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete.
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**Attachment Check List****Att Doc Num****Name**

400587894	FORM 6 INTENT SUBMITTED
400587994	PROPOSED PLUGGING PROCEDURE
400587995	WELLBORE DIAGRAM

Total Attach: 3 Files

**General Comments****User Group****Comment****Comment Date**

Permit	Well Completion Report dated 6/07/1991.	4/16/2014 9:05:03 AM
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Total: 1 comment(s)