

FORM  
6Rev  
12/05State 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:

400588026

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 05-123-20578-00

Well Name: SPRAGUE

Well Number: 23-9 J

Location: QtrQtr: NESW 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: 40.151043

Longitude: -104.897618

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: 8100

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	7950	7968			

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	550	390	550	0	VISU
1ST	7+7/8	4+1/2	11.6	8,100	462	8,100	7,022	CBL
			Stage Tool	5,220	204	5,220	4,172	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7900 with 8 sacks cmt on top. CIBP #2: Depth 7190 with 2 sacks cmt on top.  
CIBP #3: Depth 600 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 20 sks cmt from 4570 ft. to 4370 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 590 ft. with 220 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 @ 7900' (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).
7. RIH and set CIBP #2 @ 5270' (50' below DV tool). Ensure that CIBP is set in the middle of the joint of casing.
8. Dump bail 8 sxs of Class G Neat cement on top of CIBP (100' of cement).
9. RIH and set CIBP #3 @ 600' (50' below surface shoe). Ensure that CIBP is set in the middle of the joint of casing.
10. RIH with wireline and shoot four squeeze holes at 590'. POOH and ensure all shots were fired.
11. Establish injection through squeeze holes.
12. Pump 220 sxs of Class G Neat cement (15% excess) down 4.5" casing while taking returns up 8-5/8" x 4-1/2" annulus.
13. WOC for 4 hours and tag plug. If cement top is greater than 140' top off casing and annulus with cement as necessary.
14. ND BOP, RDMO pulling unit.
15. Cut off casing 4' below ground level.
16. Weld on metal plate and dry hole marker.
17. Properly abandon flowlines 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.

**CONDITIONS OF APPROVAL, IF ANY:**Expiration Date: 10/22/2014**COA Type****Description**

	Note change in plugging procedure 1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU. 2) Move CIBP @ 5270' to 7190' and add 2 sxs cement to cover Niobrara. 3) Add 20 sxs Sussex plug @ 4570'. If maintain circulation do not need to tag. 4) For 590' plug: pump plug and displace, shut in, WOC 4 hours and tag plug-must be 500' or shallower. If surface casing plug not circulated to surface then provide 10 sx plug at the surface. Leave at least 100' cement in the casing for each plug. 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**

400588026	FORM 6 INTENT SUBMITTED
400588264	PROPOSED PLUGGING PROCEDURE
400588265	WELLBORE DIAGRAM

Total Attach: 3 Files

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

Permit	Per operator: Formation: J Sand Perfs: 7950'-7968' 3spf	4/16/2014 9:32:58 AM
Permit	ON HOLD: Requesting formation and perfs.	4/16/2014 9:15:48 AM
Permit	Well Completion report dated 1/15/2002.	4/16/2014 9:15:47 AM

Total: 3 comment(s)