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Document Number:  
400337436

Date Received:

**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: JEREMY FRASER  
 Name of Operator: ENCANA OIL & GAS (USA) INC Phone: (720) 876-3061  
 Address: 370 17TH ST STE 1700 Fax: (720) 876-4061  
 City: DENVER State: CO Zip: 80202- Email: JEREMY.FRASER@ENCANA.COM  
**For "Intent" 24 hour notice required,** Name: EDELEN, RANDY Tel: (970) 520-2531  
**COGCC contact:** Email: randy.edelen@state.co.us

API Number 05-123-12696-00 Well Number: 1  
 Well Name: GRATTAN  
 Location: QtrQtr: SESE Section: 30 Township: 2N Range: 64W 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: 40.105290 Longitude: -104.587724  
 GPS Data:  
 Date of Measurement: 06/04/2009 PDOP Reading: 1.5 GPS Instrument Operator's Name: PLinderholm  
 Reason for Abandonment:  Dry  Production for Sub-economic  Mechanical Problems  
 Other \_\_\_\_\_  
 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	Code	Perf. Top	Perf. Bottom	Date	Method of Isolation	Plug Depth
J SAND	JSND	7592	7606			

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	743	525	743	0	CBL
1ST	7+7/8	4+1/2	11.6	7,751	300	7,751	6,500	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7500 with 8 sacks cmt on top. CIBP #2: Depth \_\_\_\_\_ 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 \_\_\_\_\_ 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 4580 ft. with 200 sacks. Leave at least 100 ft. in casing 4530 CICR Depth

Perforate and squeeze at 935 ft. with 200 sacks. Leave at least 100 ft. in casing 885 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:

#### PxA Procedure

1. Per COGCC requirements, provide 48 hour notice of MIRU to Randy Edelen at 970-520-2531 or e-mail at randy.edelen@state.co.us.
2. Hold pre-job safety meeting. Identify any safety concerns and discuss prior to beginning job.
3. MIRU pulling unit. Blow down well.
4. POOH w/ tubing and plunger.
5. MIRU wireline crew. MIRU cementers.
6. PU 10K CIBP and set @ 7500' (92' above Jsand Perfs). Spot cement plug on CIBP to 7400' (8 sxs - 50' fill)
7. RIH w/ squeeze guns. Shoot 4 squeeze holes at 4580'.
8. RIH w/ tubing and cement retainer. Set retainer at 4530'. Sting into retainer. Pump 200 sxs (volume of 1000' annular fill). Sting out of retainer and spot 1 bbl cement plug on top of retainer.
9. POOH w/ tubing.
10. RIH w/ squeeze guns. Shoot 4 squeeze holes at 935'.
11. RIH w/ tubing and cement retainer. Set retainer at 885'. Sting into retainer. Establish circulation. Pump until cement at surface. Sting out of retainer and cement 885' to surface in casing.
12. Cut off casing 4' below ground level and weld on plate. (NOTE: Follow OSHA trenching rules and shoring guidelines to cut casing).
13. Remove surface equipment and abandon flowlines as per Rule 1103.

#### Cement Detail:

Class G Neat: 15.8 ppg / 1.15 cu ft/sk

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

Signed: \_\_\_\_\_ Print Name: JENNIFER LIND

Title: REGULATORY ANALYST Date: \_\_\_\_\_ Email: JENNIFER.LIND@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: \_\_\_\_\_

Date: \_\_\_\_\_

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

Expiration Date: \_\_\_\_\_

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**Attachment Check List**

Att Doc Num	Name
400337439	WELLBORE DIAGRAM
400337440	WELLBORE DIAGRAM

Total Attach: 2 Files

**General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>

Total: 0 comment(s)