

**FORM**  
**6**

Rev  
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
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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: <u>100185</u>	Contact Name: <u>Toby Sachen</u>
Name of Operator: <u>ENCANA OIL &amp; GAS (USA) INC</u>	Phone: <u>(720) 876-5845</u>
Address: <u>370 17TH ST STE 1700</u>	Fax: _____
City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80202-</u>	Email: <u>toby.sachen@encana.com</u>
<b>For "Intent" 24 hour notice required,</b> Name: <u>Peterson, Tom</u> Tel: <u>(303) 815-9641</u>	
<b>COGCC contact:</b> Email: <u>tom.peterson@state.co.us</u>	

API Number <u>05-123-25893-00</u>	Well Number: <u>6-0-16</u>
Well Name: <u>DUCKWORTH</u>	
Location: QtrQtr: <u>SENE</u> Section: <u>16</u> Township: <u>2N</u> Range: <u>68W</u> Meridian: <u>6</u>	
County: <u>WELD</u> Federal, Indian or State Lease Number: _____	
Field Name: <u>WATTENBERG</u> Field Number: <u>90750</u>	

Notice of Intent to Abandon       Subsequent Report of Abandonment

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

Latitude: 40.141484 Longitude: -105.002435

GPS Data:  
Date of Measurement: 01/07/2009 PDOP Reading: 3.0 GPS Instrument Operator's Name: ROB THOMAS

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	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
J SAND	8082	8100			
NIOBRARA-CODELL	7842	7670			

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	729	340	729	0	
1ST	7+7/8	4+1/2	11.6	8,207	230	8,207	6,900	

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 780 with \_\_\_\_\_ 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 6400 ft. with 510 sacks. Leave at least 100 ft. in casing 6400 CICR Depth

Perforate and squeeze at 770 ft. with 246 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:

Procedure:

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. Kill well with produced water.
4. RU wireline and pull production tools. Gyro well down to the seat nipple (set @ 6,444'). RD wireline.
5. MIRU pulling unit.
6. ND wellhead, NU BOP.
7. RU wireline.
8. RIH and set CICR @ 6400' (~ 85' above the csg part). Ensure that CICR is set in the middle of the joint of casing.
9. RD wireline. RU pulling unit.
10. TIH with workstring. Sting into CICR. Squeeze/fill 4-1/2" casing AND 7-7/8" hole by 4-1/2" csg annulus with 510 sx of Class G Neat cement (assumes 1.15 yield and includes 10% excess).
11. Sting out. Fill prod csg with produced water. POOH with workstring. RD pulling unit. RU wireline.
12. RIH and set CIBP @ 780'. Ensure that CIBP is set in the middle of the joint of casing.
13. RIH and shoot four squeeze holes at 770'. POOH and ensure all shots were fired.
14. Establish injection through squeeze holes.
15. Pump 246 sx of Class G Neat cement in 4-1/2" casing to surface AND into 8-5/8" csg by 4-1/2" csg annulus to surface (assumes 1.15 yield and includes 10% excess).
16. WOC for at least 4 hours and top off casing and annulus with cement as necessary.
17. ND BOP, RDMO pulling unit.
18. Cut off casing 4' below ground level.
19. Weld on metal plate and dry hole marker.
20. Restore surface location.
21. Ensure all cement tickets are mailed or emailed to the Denver office for subsequent reporting.

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

Signed: \_\_\_\_\_ Print Name: Toby Sachen  
Title: Regulatory Analyst Date: \_\_\_\_\_ Email: toby.sachen@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: \_\_\_\_\_

## Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400818965	PROPOSED PLUGGING PROCEDURE
400818993	WELLBORE DIAGRAM
400818994	WELLBORE DIAGRAM

Total Attach: 3 Files

## General Comments

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

Total: 0 comment(s)