

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



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Document Number:

400879236

Date Received:

08/04/2015

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: Erin Lind

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

Phone: (720) 876-5827

Address: 370 17TH ST STE 1700

Fax:

City: DENVER State: CO Zip: 80202-

Email: erin.lind@encana.com

For "Intent" 24 hour notice required,

Name: Peterson, Tom

Tel: (303) 815-9641

COGCC contact:

Email: tom.peterson@state.co.us

API Number 05-123-22988-00

Well Name: WOOLEY

Well Number: 12-7

Location: QtrQtr: SWNW Section: 7 Township: 1N Range: 68W 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: 40.067215

Longitude: -105.053741

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 OFFSET TO OTHER ENCANA HORIZONTAL WELLSCasing 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	8165	8198			
NIOBRARA-CODELL	7490	7754			

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	815	570	815	0	VISU
1ST	7+7/8	4+1/2	11.6	8,321	250	8,321	7,885	CBL
S.C. 1.1				5,102	305	5,102	3,880	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 8100 with 4 sacks cmt on top. CIBP #2: Depth 7440 with 60 sacks cmt on top.
 CIBP #3: Depth 850 with 245 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 <u>30</u> sks cmt from <u>7440</u> ft. to <u>7800</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>100</u> sks cmt from <u>4240</u> ft. to <u>5578</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set _____ sks cmt from _____ ft. to _____ ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>
Set _____ sks cmt from _____ ft. to _____ ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>
Set _____ sks cmt from _____ ft. to _____ ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>

Perforate and squeeze at 7430 ft. with 60 sacks. Leave at least 100 ft. in casing 7380 CICR Depth
 Perforate and squeeze at 840 ft. with 245 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 form for Ground Disturbance Permit.
2. Notify Automation and Production Department.
3. RU Slickline and pull plunger and bumper spring.
4. 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.
5. RU flowback and bleed off pressure and flare if needed.
6. MIRU pulling unit. Kill well with produced water.
7. ND wellhead, NU BOP.
8. Un-land Tubing.
9. POOH with tubing.
10. Set RBP with wireline above Niobrara perms, test plug and load hole.
11. Run conventional CBL under pressure from RBP to surface at 1000 psi. Call Production Engineer after CBL to confirm @ 719-859-4942. Adjust procedure accordingly based on results of CBL.
12. Pull RBP using braided line truck.
13. RIH and set CIBP #1 @ 8100' (65' above top J Sand perforation). Ensure that CIBP is set in the middle of the joint of casing and pressure test plug to 500 psi.

14. RIH and dump bail 4 sxs of Class G Neat cement on top of CIBP (50' of cement).
15. RIH with tubing to 7800' and pump balanced plug #1 with 30 sxs class G cement from ~7440'-7800'.
16. POOH with tubing from 7440'. Reverse circulate to clear tubing.
17. RIH with wireline and set CIBP #2 @ 7440'. Pressure test plug to 500 psi.
18. RIH and shoot squeeze holes against CIBP @ 7430'. Run injection test. If unable to establish injection, call Production Engineer @ 719-859-4942.
19. RIH and set CICR @ 7380'.
20. RIH with tubing. Check circulation through stinger and sting into CICR.
21. Attempt to establish injection. If unable to establish injection Call Production Engineer @ 719-859-4942 for path forward.
22. Pump 60 sxs of Class G cement. Sting out.
23. POOH with tubing. Lay down 1 jt. Reverse circulate to clear tubing.
24. Load hole and run conventional CBL under pressure from CICR to 5440'. Call Production Engineer after CBL to confirm @ 719-859-4942.
25. RIH with tubing to 5578' and pump balanced plug #2 with 100 sxs class G cement from ~4240'-5578'.
26. POOH with tubing. Reverse circulate to clear tubing and lay down all pipe.
27. RIH and Set CIBP #3 @ 850'. Pressure test plug to 500 psi.
28. Shoot squeeze holes @ 840'.
29. Circulate Class G cement to surface (total volume is ~245 sxs). Shut-in, WOC 4 hours and tag.
30. Top off both casing and annulus if necessary.
31. ND BOP, RDMO pulling unit.
32. Cut off casing 4' below ground level.
33. Weld on metal plate and dry hole marker.
34. Notify Integrity Department to properly abandon flowlines per Rule 1103. File electronic Form 42 once abandonment is complete.
35. Restore surface location.
36. 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: Erin Lind
Title: Regulatory Analyst Date: 8/4/2015 Email: erin.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: SCHLAGENHAUF, MARK Date: 8/11/2015

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 2/10/2016

<u>COA Type</u>	<u>Description</u>
	1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU. 2) For 840' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 665' or shallower. If shoe plug not circulated to surface then place 10-40 sx inside casing and annulus at surface. Leave at least 100' for each plug. 3) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete. 4) Please submit existing gyro survey data with Form 6 (s) Subsequent Report of Abandonment.

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400879236	FORM 6 INTENT SUBMITTED
400879302	WELLBORE DIAGRAM

Total Attach: 2 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Well Completion Report dated 10/17/2006	8/7/2015 11:09:03 AM

Total: 1 comment(s)