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

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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, COGCC contact: Name: Peterson, Tom Tel: (303) 815-9641 Email: tom.peterson@state.co.us

API Number 05-123-15109-00

Well Name: BERGER Well Number: 2-23

Location: QtrQtr: NWNE Section: 23 Township: 2N 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: 40.128724 Longitude: -104.966709

GPS Data:

Date of Measurement: 04/09/2010 PDOP Reading: 3.8 GPS Instrument Operator's Name: bstoeppel

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	7921	7969			

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	610	430	610	0	VISU
1ST	7+7/8	4+1/2	11.6	8,085	280	8,085	6,780	CBL
S.C. 1.1				5,500	250	5,500	4,480	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7850 with 4 sacks cmt on top. CIPB #2: Depth 640 with 190 sacks cmt on top.

CIBP #3: Depth _____ with _____ sacks cmt on top. CIPB #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 35 sks cmt from 7000 ft. to 7420 ft. Plug Type: CASING Plug Tagged: ☐

Set 20 sks cmt from 4500 ft. to 4700 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: ☐

Perforate and squeeze at 630 ft. with 0 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:

Procedure:
1. Submit electronic Form 42 to COGGC 48 hours prior to MIRU.

2. Prepare for Ground Disturbance and submit for One Call.

3. Notify Automation and Production Department.

4. RU Slick line, pull standing valve and plunger, and run Gyro to EOT @ 7914'.

5. RU flowback and bleed off pressure and flare if needed.

6. 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.

7. MIRU pulling unit. Kill well with produced water.

8. ND wellhead, NU BOP.

9. Un-land Tubing.

10. POOH with tubing.

11. RU E-line. Run gauge ring.

12. RIH and set CIBP #1 @ 7850' (71' above top J Sand perforation). Ensure that CIBP is set in the middle of the joint of casing, load hole, and pressure test plug to 500 psi.

13. RIH and dump bail 4 sxs of Class G Neat cement on top of CIBP (50' of cement).

14. RIH with tubing and pump balanced plug #1 with 35 sxs Class G cement from ~7000'-7420'.

15. RIH with tubing and pump balanced plug #2 with 20 sxs Class G cement from ~4500'-4700'.

16. POOH with tubing. Reverse circulate to clear tubing and lay down.

17. RIH with wireline and set CIBP #3 @ 640'. Pressure test plug to 500 psi.

18. Shoot squeeze holes @ 630'.

19. Circulate class G cement to surface (total volume is ~190 sxs). Shut-in, WOC 4 hours and tag plug.

20. Top off both casing and annulus if necessary.

21. ND BOP, RDMO pulling unit.

22. Cut off casing 4' below ground level.

23. Weld on metal plate and dry hole marker.

24. Notify Integrity Department to properly abandon flowlines as per Rule 1103. File electronic Form 6 once abandonment is complete.

25. Restore surface location.

26. 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: 7/15/2015 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: 8/12/2015

CONDITIONS OF APPROVAL, IF ANY: Expiration Date: 2/11/2016

COA Type	Description
	1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU. 2) If unable to pull casing contact COGCC for plugging modifications. 3) For 630' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 550’ 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. 4) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete. 5) Please submit gyro survey data with Form 6 (s) Subsequent Report of Abandonment.

Attachment Check List

Att Doc Num	Name
400868585	FORM 6 INTENT SUBMITTED
400868617	WELLBORE DIAGRAM

Total Attach: 2 Files

General Comments

User Group	Comment	Comment Date
Permit	Well Completion Report dated 10/31/1991.	7/20/2015 10:27:36 AM

Total: 1 comment(s)