

FORM
6Rev
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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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 Name: GRATTAN

Well Number: 1

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☐ OtherCasing 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 cements.
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

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

Total: 0 comment(s)