

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



DE ET OE ES

Document Number:

400933293

Date Received:

11/09/2015

## 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: Tyler Barela

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

Phone: (303) 7743946

Address: 370 17TH ST STE 1700

Fax:

City: DENVER State: CO Zip: 80202-

Email: tyler.barela@encana.com

For "Intent" 24 hour notice required,

Name: Montoya, John

Tel: (970) 397-4124

COGCC contact:

Email: john.montoya@state.co.us

API Number 05-123-21041-00

Well Name: GITTLEIN

Well Number: 21-4J

Location: QtrQtr: SENW Section: 4 Township: 1N Range: 65W 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: 40.083259

Longitude: -104.672148

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	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
J SAND	7900	7958	11/18/2015	B PLUG CEMENT TOP	7825
DAKOTA	8101	8150	11/18/2015	B PLUG CEMENT TOP	8025

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	1,037	410	1,037	0	CALC
1ST	7+7/8	4+1/2	11.6	8,218	275	8,218	6,294	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 8025 with 4 sacks cmt on top. CIBP #2: Depth 7825 with 4 sacks cmt on top.  
 CIBP #3: Depth 1075 with 325 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>35</u> sks cmt from <u>6900</u> ft. to <u>7320</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>20</u> sks cmt from <u>4240</u> ft. to <u>4440</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 5615 ft. with 305 sacks. Leave at least 100 ft. in casing 5565 CICR Depth  
 Perforate and squeeze at 1065 ft. with 325 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:

Objective:

Pull tubing and lay down. Set CIBP above Dakota. Set CIBP above J Sand. Set balance plug covering Niobrara. Squeeze cement over Sussex/Shannon. Set balance plug covering Sussex. Set CIBP below surface casing shoe and cement to surface.

Procedure:

1. Submit electronic Form 42 to COGGC 48 hours prior to MIRU.
2. Submit form for Ground Disturbance Permit.
3. Notify Automation and Production Department.
4. RU Slick line, pull bumper string and plunger and run Gyro to EOT @ 7875'.
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. RIH and Tag.
10. POOH with tubing.
11. RU E-line.

12. RIH and set CIBP #1 @ 8025' (76' above top Dakota perforation). Ensure that CIBP is set in the middle of the joint of casing 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 set CIBP #2 @ 7825'. Pressure test plug to 500 psi.
15. Pump against CIBP with 4 sxs cement.
16. Pull up hole with tubing to 7320'.
17. Pump balanced plug with 35 sxs Class G Cement from ~6900'-7320'.
18. Reverse circulate to clear tubing. POOH with tubing.
19. RIH and shoot squeeze holes @ 5615'. Run injection test. If unable to establish injection, call Production Engineer @ 719-859-4942.
20. RIH with wireline and set CICR @ 5565'.
21. RIH with tubing. Check circulation through stinger and sting into CICR.
22. Attempt to establish injection. If unable to establish injection, call Production Engineer @ 719-859-4942 for path forward.
23. Pump 305 sxs of Class G cement. Sting out. Reverse circulate to clear tubing.
24. POOH with tubing.
25. Ensure hole is full. Run conventional CBL from CICR to 4000'. Call Production Engineer after CBL @ 719-859-4942 to confirm top provides adequate cement coverage.
26. RIH with tubing to 4440'.
27. Pump balanced plug with 20 sxs class G cement from ~4240'-4440'.
28. POOH with tubing. Reverse circulate to clear tubing and lay down.
29. RIH with wireline and set CIBP #3 @ 1075'. Pressure test plug to 500 psi.
30. Shoot squeeze holes @ 1065'.
31. Circulate class G cement to surface (total volume is ~325 sxs). Shut-in, WOC 4 hours and tag plug.
32. Top off both casing and annulus if necessary.
33. ND BOP, RDMO pulling unit.
34. Cut off casing 4' below ground level.
35. Weld on metal plate and dry hole marker.
36. Notify Integrity Department to properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment is complete.
37. Restore surface location.
38. 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: Rosalie Thim  
Title: Regulatory Analyst Date: 11/9/2015 Email: rosalie.thim@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: JENKINS, STEVE Date: 11/13/2015

**CONDITIONS OF APPROVAL, IF ANY:** \_\_\_\_\_ Expiration Date: 5/12/2016

<u>COA Type</u>	<u>Description</u>
	<p>Note changes to plugging procedure:</p> <p>1) Provide 48 hour notice of plugging MIRU via electronic Form 42.</p> <p>2) For 1075' plug: pump plug and displace. If surface casing plug is not circulated to surface then tag plug – must be 937' or shallower and provide 10 sx plug at the surface. Leave at least 100' of cement in the casing for each plug.</p> <p>3) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete.</p>

### **Attachment Check List**

<u>Att Doc Num</u>	<u>Name</u>
400933293	FORM 6 INTENT SUBMITTED
400933296	PROPOSED PLUGGING PROCEDURE
400933297	WELLBORE DIAGRAM

Total Attach: 3 Files

### **General Comments**

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Well Completion Report dated 11/18/2002	11/12/2015 11:59:34 AM
Public Room	Document verification complete 11/9/15	11/9/2015 3:41:26 PM

Total: 2 comment(s)