

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:

401576013

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: 69175

Contact Name: JEnifer Hakkarinen

Name of Operator: PDC ENERGY INC

Phone: (303) 8605800

Address: 1775 SHERMAN STREET - STE 3000

Fax:

City: DENVER State: CO Zip: 80203

Email: Jenifer.Hakkarinen@pdce.com

For "Intent" 24 hour notice required,

Name: Gomez, Jason

Tel: (970) 573-1277

COGCC contact:

Email: jason.gomez@state.co.us

API Number 05-123-19914-00

Well Name: GUTTERSEN

Well Number: 23-32

Location: QtrQtr: SWNE Section: 23 Township: 3N 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: 40.212720

Longitude: -104.515390

GPS Data:

Date of Measurement: 10/11/2010

PDOP Reading: 1.7

GPS Instrument Operator's Name: Steve Cure

Reason for Abandonment:

☐ Dry☒ Production Sub-economic☐ Mechanical Problems☐ OtherCasing to be pulled: ☒ Yes☐ No

Estimated Depth: 1750

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
CODELL	6906	6916			

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	697	490	697	0	VISU
1ST	7+7/8	4+1/2	10.5	7,241	330	7,241	4,173	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6856 with 2 sacks cmt on top. CIBP #2: Depth 6562 with 2 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 <u>215</u> sks cmt from <u>1875</u> ft. to <u>1500</u> ft.	Plug Type: <u>STUB PLUG</u>	Plug Tagged: <input type="checkbox"/>
Set <u>455</u> sks cmt from <u>900</u> ft. to <u>0</u> ft.	Plug Type: <u>OPEN HOLE</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 _____ 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
 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:

Guttersen 23-32 (05-123-19914)/Plugging Procedure (Intent)

Producing Formation: Codell: 6906'-6916'

Upper Pierre Aquifer: 672'-1608'

TD: 7259' PBTD: 6972'

Surface Casing: 8 5/8" 24# @ 697' w/ 490 sxs

Production Casing: 4 1/2" 10.5# @ 7241' w/ 330 sxs cmt (TOC @ 4173' - CBL).

Tubing: 2 3/8" tubing set @ 6885' (4/25/2000).

Proposed Procedure:

1. MIRU pulling unit. Pull 2 3/8" tubing (no recent tubing information).
2. RU wireline company.
3. TIH with CIBP. Set BP at 6856'. Top with 2 sxs 15.8#/gal CI G cement.
4. TIH with CIBP. Set BP at 6562'. Top with 2 sxs 15.8#/gal CI G cement.
5. Run CBL from 4500' to surface to confirm TOC. **Must have cement coverage to at least 4000'.**
 - a. If TOC is below 4000':
 - i. Shoot lower squeeze holes 20' above TOC (or preferred) and upper squeeze holes at 4000'.
 - ii. Set CICR 15' below upper squeeze holes at 4015'. Sting in and pump enough cement to fill annulus and production casing. Sting out and pump 10 sxs on top of CICR.
 - b. If TOC is above 4000', move on to step 6.
6. TIH with casing cutter. Cut 4 1/2" casing at 1750'. Pull cut casing.
7. TIH with tubing to 1875'. Mix and pump 215 sxs 15.8#/gal CI G cement w/ 2% CaCl down tubing (cement coverage from 1500'-1875').
8. Pick up tubing to 900'. Mix and pump 455 sxs 15.8#/gal CI G cement down tubing. Cement should circulate to surface.
9. Cut surface casing 6' below ground level and weld on cap.

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

Signed: _____ Print Name: Jenifer Hakkarinen
Title: Reg Tech Date: _____ Email: Jenifer.Hakkarinen@pdce.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: _____

COA Type **Description**

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Attachment Check List

Att Doc Num **Name**

401576024	WELLBORE DIAGRAM
401576026	WELLBORE DIAGRAM
401576028	GYRO SURVEY

Total Attach: 3 Files

General Comments

User Group **Comment** **Comment Date**

		Stamp Upon Approval
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Total: 0 comment(s)