

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:

401066806

Date Received:

06/22/2016

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: _____ Tel: _____

COGCC contact:

Email: _____

API Number 05-123-19261-00

Well Name: WACKER

Well Number: 22-10

Location: QtrQtr: SENW Section: 10 Township: 5N Range: 64W Meridian: 6

County: WELD

Federal, Indian or State Lease Number: 59040

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: 40.415250

Longitude: -104.538220

GPS Data:

Date of Measurement: 08/21/2010

PDOP Reading: 1.6

GPS Instrument Operator's Name: Holly L. Tracy

Reason for Abandonment:

☐ Dry☐ Production 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
CODELL	6775	6785	01/05/2016	B PLUG CEMENT TOP	6470

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	370	255	370	0	VISU
1ST	7+7/8	3+1/2	7.7	6,995	140	6,995	6,190	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6470 with 2 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 475 sks cmt from 2035 ft. to 1789 ft. Plug Type: CASING Plug Tagged: ☐
Set 54 sks cmt from 1120 ft. to 0 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 560 ft. with 29 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. _____ inch casing Plugging Date: 01/05/2016
of _____

*Wireline Contractor: Magna *Cementing Contractor: Magna

Type of Cement and Additives Used: 15.8#/gal CI G cement

Flowline/Pipeline has been abandoned per Rule 1103 ☒ Yes ☐ No *ATTACH JOB SUMMARY

Technical Detail/Comments:

Wacker 22-10 (05-123-19261)/Plugging Procedure
Producing Formation: Codell
Existing Perforations: Codell 6775'-6785'
TD: 6995' PBTD: 6965'
Surface Casing: 8 5/8" 24# @ 358' w/ 255 sks cmt.
Production Casing: 3 1/2" 7.7# @ 6995' w/ 140 sks cmt (TOC 6190').

Procedure:

1. MIRU pulling unit. TOOH with 1.5" 2.4#/ft IJ Tubing.
2. Rig up wireline company. TIH with CIBP. Set CIBP at 6470'. TIH with dump bailer. Spot 2 sxs of 15.8#/gal CI G cement on top of CIBP.
3. TIH with tubing to 2035'. Mix and pump 475 sxs of 15.8#/gal CI G cement to 1789' to isolate casing leak from 1945'-1914'.
4. TIH with perf gun, shoot holes @ 560'. Pump 29 sxs of 15.8#/gal CI G cement discover munite gas on annulus between surface and production casing.
5. Drill out surface plug to 1120'.
5. Reset tubing at 1120'. Mix and pump 54 sxs of 15.8#/gal CI G cement. Cement to surface.
6. 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: 6/22/2016 Email: Jenifer.Hakkarinen@pdce.com

Based on the information provided, this Well Abandonment Report (Form 6) complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved:

Date: 7/14/2017

CONDITIONS OF APPROVAL, IF ANY:

COA Type

Description

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Attachment Check List

Att Doc Num

Name

401066806	FORM 6 SUBSEQUENT SUBMITTED
401066809	CEMENT BOND LOG
401066812	GYRO SURVEY
401066814	CEMENT JOB SUMMARY
401066815	WELLBORE DIAGRAM

Total Attach: 5 Files

General Comments

User Group

Comment

Comment Date

Permit	Email to operator: The Gyro survey attached to this Form 6 SRA will not open. Please email to me another copy of the Gyro. Form 6 SRA # 401066806 will be ON HOLD pending receipt of the requested Gyro. Operator has supplied fresh Gyro which is being inserted into well file. 4/17/2017 dhs.	04/12/2017
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Total: 1 comment(s)