

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:

401172105

Date Received:

12/21/2016

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 05-123-21965-00

Well Name: STATE CORSAIR

Well Number: 23-36

Location: QtrQtr: NESW Section: 36 Township: 4N 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: 40.268810

Longitude: -104.953670

GPS Data:

Date of Measurement: 09/26/2006

PDOP Reading: 2.2

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 belowWellbore 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	7336	7344	12/15/2016	B PLUG CEMENT TOP	7286

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	400	225	400	0	VISU
1ST	7+7/8	4+1/2	10.5	7,535	190	7,535	6,380	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7286 with 2 sacks cmt on top. CIBP #2: Depth 6990 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 155 sks cmt from 703 ft. to 0 ft. Plug Type: STUB PLUG 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 _____ 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: 600 ft. of 4+1/2 inch casing Plugging Date: 12/15/2016

*Wireline Contractor: Nabors

*Cementing Contractor: Ranger

Type of Cement and Additives Used: 15.8 ppg class G cement

Flowline/Pipeline has been abandoned per Rule 1103 ☐ Yes ☐ No

*ATTACH JOB SUMMARY

Technical Detail/Comments:

State Corsair #23-36 (05-123-21965)/Plugging Procedure
 Producing formation: Codell
 Existing Perforations: Codell – 7,336'-7,344'
 TD: 7,560' PBTD: 7,521'
 Surface Casing: 8 5/8" 24# @ 400' w/ 225 sks cmt.
 Production Casing: 4 1/2" 10.5# @ 7,535' w/ 190 sks cmt (TOC at 6,380').

Procedure:

1. MIRU pulling unit.
2. Blow down to tanks. Load with fluid to kill well.
3. Circulate and condition well for P&A ops.
4. TOOH with 235 jts of 2 3/8" production tubing.
5. Rig up wireline. RIH with CIBP. Set CIBP at 7286'.
6. Load dump bailer with 2sx of 15.8#/gal CI G cement. RIH with dump bailer and spot on top of CIBP.
7. RIH with CIBP. Set CIBP at 6990'.
8. Load dump bailer with 2sx of 15.8#/gal CI G cement. RIH with dump bailer and spot on top of CIBP.
9. RIH w/ casing cutter and cut production casing above TOC at 600'. Pull 4 1/2" casing out of hole.
10. TIH with workstring to 703'. Circulate and condition to prepare for surface plug.
11. RU cementers. Mix and pump cement stub plug to surface (703') with 155 sks of 15.8#/gal CL G cement. cement to surface.
12. 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: 12/21/2016

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: JENKINS, STEVE

Date: 10/16/2017

CONDITIONS OF APPROVAL, IF ANY:

<u>COA Type</u>	<u>Description</u>
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Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
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401172105	FORM 6 SUBSEQUENT SUBMITTED
401172114	CEMENT JOB SUMMARY
401172159	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

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

		Stamp Upon Approval
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Total: 0 comment(s)