

FORM
6Rev
12/05State 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:

400512814

Date Received:

11/14/2013

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: (303) 8605838

City: DENVER State: CO Zip: 80203

Email: Jenifer.Hakkarinen@pdce.com

For "Intent" 24 hour notice required,

Name: PRECUP, JIM

Tel: (303) 726-3822

COGCC contact:

Email: james.precup@state.co.us

API Number 05-123-13683-00

Well Name: ANKENNEY

Well Number: 28-1

Location: QtrQtr: SENE Section: 28 Township: 6N Range: 64W Meridian: 6

County: WELD

Federal, Indian or State Lease Number: 69018

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: 40.458611

Longitude: -104.548056

GPS Data:

Date of Measurement: 02/05/2010

PDOP Reading: 2.6

GPS Instrument Operator's Name: Robert Girillego

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

Estimated Depth: 5895

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	6894	6910			
NIOBRARA	6600	6818			

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	308	220	308	0	
1ST	7+7/8	3+1/2	10.3	7,085	250	7,085	0	

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6535 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 50 sks cmt from 5985 ft. to 5935 ft. Plug Type: STUB PLUG Plug Tagged: ☒

Set 200 sks cmt from 3900 ft. to 4700 ft. Plug Type: OPEN HOLE 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 100 sacks half in. half out surface casing from 258 ft. to 358 ft. Plug Tagged: ☒

Set 10 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:

Plugging Procedure

Niobrara

Codell

Existing Perforations:

Niobrara "A": 6600'-6818'

Codell: 6894'-6910'

PBTD: 6987"

8 5/8" 24# @ 308' w/ 220 sks cmt.

3.5" 10.3# @ 7085' w/ 250 sks cmt

Procedure:

1. MIRU wireline

2. RIH w/dump bailer and dump 2 sx cement on top of CIBP @ 6535'

3. RIH w/casing cutter, cut & pull casing @ ~5985'

4. TIH set 50 sack plug @ casing stub (5985')

5. TIH to tag stub plug

6. TOH to set 200 sack plug @ Parkman/Sussex (~3900'--4700')

7. TOH and set 100 sack cement plug half in half out of surface casing from 258'-358'

8. Set 10 sx @ top of surface

9. Cut casing 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: Regulatory Tech Date: 11/14/2013 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, MIKE

COGCC Approved:

Date: 11/19/2013

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: 5/18/2014

COA Type

Description

	1) Provide 24 hour notice of MIRU to Jim Precup at 303 726-3822 or e-mail at james.precup@state.co.us. 2) For 5985' plug: pump plug and displace, if good circulation is maintained throughout, no tag is required. Leave at least 100' of cement in the wellbore for each plug. 3) For 358' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 258' or shallower 4) Properly abandon flowlines as per Rule 1103.
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Attachment Check List

Att Doc Num

Name

400512814	FORM 6 INTENT SUBMITTED
400512822	WELLBORE DIAGRAM
400512824	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

User Group

Comment

Comment Date

Permit	Old style comp. rept.#195378 sub. 2/88 meets form 5 requirements.	11/15/2013 7:48:58 AM
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Total: 1 comment(s)