

FORM
6

Rev
05/18

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
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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: Evins, Bret Tel: (970) 420-6699
COGCC contact: Email: bret.evins@state.co.us

API Number 05-123-26701-00 Well Number: 14-36
 Well Name: WELLS RANCH
 Location: QtrQtr: SWSW Section: 36 Township: 6N Range: 63W 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: 40.436920 Longitude: -104.393110
 GPS Data:
 Date of Measurement: 09/02/2008 PDOP Reading: 1.5 GPS Instrument Operator's Name: HOLLY TRACY
 Reason for Abandonment: Dry Production Sub-economic Mechanical Problems
 Other _____
 Casing to be pulled: Yes No Estimated Depth: 747
 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	6684	6690			
NIOBRARA	6431	6524			
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	547	430	547	0	VISU
1ST	7+7/8	4+1/2	10.5	7,348	280	7,348	5,950	CBL
			Stage Tool	5,060	465	5,060	968	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6381 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 40 sks cmt from 5310 ft. to 4810 ft. Plug Type: CASING Plug Tagged:
 Set 40 sks cmt from 1900 ft. to 1400 ft. Plug Type: CASING Plug Tagged:
 Set 410 sks cmt from 800 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:
 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. _____ inch casing Plugging Date: _____
 of _____
 *Wireline Contractor: _____ *Cementing Contractor: _____
 Type of Cement and Additives Used: _____
 Flowline/Pipeline has been abandoned per Rule 1105 Yes No *ATTACH JOB SUMMARY

Technical Detail/Comments:

Wells Ranch 14-36 (05-123-26701)/Plugging Procedure (Intent)
 Producing Formation: Codell: 6684'-6690' Niobrara: 6431'-6524'
 Upper Pierre Aquifer: 540'-1650'
 TD: 7373' PBTD: 6791'
 Surface Casing: 8 5/8" 24# @547' w/ 430 sxs
 Production Casing: 4 1/2" 10.5# @ 7348.9' w/ 280 sxs cmt (TOC @ 5950' - CBL).
 DV Tool @ 5060' w/ 465 sxs cmt (TOC @ 968' - CBL).
 Tubing: 2 3/8" tubing set @ 6671' (3/17/2017).
 Proposed Procedure:
 1. MIRU pulling unit. Pull 2 3/8" tubing.
 2. RU wireline company.
 3. TIH with CIBP. Set BP at 6381'. Top with 2 sxs 15.8#/gal CI G cement.
 4. TIH with tubing to 5310'. RU cementing company. Mix and pump 40 sxs 15.8#/gal CI G cement down tubing. (DV tool coverage from 5310'-4810').
 5. Pick up tubing to 1900'. Mix and pump 40 sxs 15.8#/gal CI G cement w/ down tubing. (Pierre coverage from 1900'-1400'). TOOH with tubing.
 6. TIH with casing cutter. Cut 4 1/2" casing at 747. Pull cut casing.
 7. TIH with tubing to 800'. Mix and pump 410 sxs 15.8#/gal CL G cement down tubing. Cement should circulate to surface.
 8. 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: _____

<u>COA Type</u>	<u>Description</u>

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
401843283	WELLBORE DIAGRAM
401843284	WELLBORE DIAGRAM
401843285	GYRO SURVEY

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
		Stamp Upon Approval

Total: 0 comment(s)