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

Replug By Other Operator

Document Number: 401905736

Date Received: 01/31/2019

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: Valerie Danson

Name of Operator: PDC ENERGY INC Phone: (970) 506-9272

Address: 1775 SHERMAN STREET - STE 3000 Fax:

City: DENVER State: CO Zip: 80203 Email: valerie.danson@pdce.com

For "Intent" 24 hour notice required, COGCC contact: Name: Santistevan, Brittani Tel: (303) 984-2100 Email: brittani.santistevan@state.co.us

API Number 05-123-15413-00

Well Name: BLAKE Well Number: B29-10

Location: QtrQtr: NWSE Section: 29 Township: 5N 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: 40.368229 Longitude: -104.571361

GPS Data:

Date of Measurement: 01/25/2019 PDOP Reading: 1.5 GPS Instrument Operator's Name: Devon Arnold

Reason for Abandonment: ☐ Dry ☐ Production Sub-economic ☐ Mechanical Problems

☒ Other Re-plug for offset frac

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

Total: 0 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	200	308	0	VISU

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth _____ with _____ sacks cmt on top. CIPB #2: Depth _____ with _____ sacks cmt on top.

CIBP #3: Depth _____ with _____ sacks cmt on top. CIPB #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 75 sks cmt from 6792 ft. to 6592 ft. Plug Type: OPEN HOLE Plug Tagged: ☐

Set 75 sks cmt from 4355 ft. to 4155 ft. Plug Type: OPEN HOLE Plug Tagged: ☐

Set 50 sks cmt from 1476 ft. to 1376 ft. Plug Type: OPEN HOLE Plug Tagged: ☐

Set 385 sks cmt from 550 ft. to 0 ft. Plug Type: OPEN HOLE 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. of _____ inch casing Plugging Date: _____

*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:

Blake B29-10 (05-123-15413)/Re-Entry Plugging Procedure (Intent)
Producing Formation: None
Upper Pierre Aquifer: 454'-1426'
TD: 7125' PBTD: N/A
Surface Casing: 8 5/8" 24# @ 308' w/ 200 sxs
Production Casing: None

Tubing: None
Proposed Procedure:
1. MIRU. Drill out existing cement plugs to bottom of Codell at 6970' and ensure all gas is circulated out.
2. TIH with tubing to 6792'. RU cementing company. Mix and pump 75 sxs cement down tubing (coverage from 6792'-6592').
3. Pick up tubing to 4355'. Mix and pump 75 sxs 15.8#/gal Cl G cement down tubing (coverage from 4355'-4155').
4. Pick up tubing to 1476'. Mix and pump 50 sxs 15.8#/gal Cl G cement down tubing (Pierre coverage from 1476'-1376').
5. Pick up tubing to 550'. Mix and pump 385 sxs 15.8#/gal Cl G cement down tubing. Cement should circulate 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: Valerie Danson

Title: Reg Tech Date: 1/31/2019 Email: valerie.danson@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: 2/13/2019

CONDITIONS OF APPROVAL, IF ANY: Expiration Date: 8/12/2019

COA Type	Description
	1) Provide 48 hour notice of plugging MIRU via electronic Form 42. 2) Prior to placing the 550' plug: verify that all fluid migration (liquid or gas) has been eliminated. If evidence of fluid migration or pressure remains, contact COGCC Engineer for an update to plugging orders. 3) After isolation has been verified, pump plug and displace. If cement is not circulated to surface, shut-in, WOC 4 hours then tag plug – must be at 258' or shallower and provide 10 sx plug at the surface. 4) Leave at least 100' of cement in the wellbore for each plug.
	Operator shall implement measures to control venting, to protect health and safety, and to ensure that vapors and odors from well plugging operations do not constitute a nuisance or hazard to public welfare.
	Obtain as-built GPS for subsequent form 6.

Attachment Check List

Att Doc Num	Name
401905736	FORM 6 INTENT SUBMITTED
401905750	WELLBORE DIAGRAM
401905752	WELLBORE DIAGRAM
401914144	LOCATION PHOTO
401914146	LOCATION PHOTO
401914147	LOCATION PHOTO
401914148	LOCATION PHOTO
401924738	SURFACE OWNER CONSENT
401924740	SURFACE OWNER CONSENT
401924741	SURFACE OWNER CONSENT

Total Attach: 10 Files

General Comments

User Group	Comment	Comment Date
Engineer	1) Deepest Water Well within 1 mile = 330'. 2) Fox Hills Bottom= 218', per SB5.	02/13/2019
Permit	Pass	01/31/2019
Permit	Returned to draft. Since this is a re-entry to plug another operator's well, missing photos from 4 directions and surface owner consent.	01/16/2019
Well File Verification	Pass	01/15/2019

Total: 4 comment(s)