FORM 6 Rev 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: 401140838

Date Received: 12/08/2016

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: Kelsi Welch

Name of Operator: PDC ENERGY INC Phone: (303) 831-3974

Address: 1775 SHERMAN STREET - STE 3000 Fax:

City: DENVER State: CO Zip: 80203 Email: kelsi.welch@pdce.com

For "Intent" 24 hour notice required, COGCC contact: Name: Gomez, Jason Tel: (970) 573-1277 Email: jason.gomez@state.co.us

API Number 05-123-20004-00

Well Name: J&L FARMS Well Number: 23-11

Location: QtrQtr: NWNW Section: 23 Township: 6N 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: 40.477170 Longitude: -104.524970

GPS Data:

Date of Measurement: 12/07/2008 PDOP Reading: 1.5 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	6884	6895			
NIOBRARA	6710	6726			

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	389	275	389	0	
1ST	7+7/8	4+1/2	10.5	7,059	379	7,059	0	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6834 with 2 sacks cmt on top. CIPB #2: Depth 6660 with 2 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 60 sks cmt from 590 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: ☐

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 1103 ☐ Yes ☐ No *ATTACH JOB SUMMARY

Technical Detail/Comments:

J&L Farms 23-11 (05-123-20004)/Plugging Procedure (Intent)
Producing Formation: Codell 6884'-6895' Niobrara 6710'-6736'
TD: 7122' PBTD: 7014'
Surface Casing: 8 5/8" 24# @ 389' w/ 275 sxs
Production Casing: 4 1/2" 10.5# @ 7059' w/379 sks cmt with annular fill (TOC at Surface – CBL)

Tubing: 2 3/8" tubing set at 6871'. (3/6/2009)

Proposed Procedure:
1. MIRU RU pulling unit. Pull 2 3/8" tubing.
2. RU wireline company.
3. TIH with CIBP. Set CIBP at 6834'. Top with 2 sxs 15.8#/gal Cl G cement.
4. TIH with CIBP. Set CIBP at 6660'. Top with 2 sxs 15.8#/gal Cl G cement.
5. Run CBL from 3500' to surface to confirm annular fill in 2007. (If new CBL shows poor cement, cut and pull casing at 590'.)
6. TIH with tubing to 590'. Mix and pump 60 sxs of 15.8#/gal Cl G cement down tubing. Cement should circulate to surface. (If new CBL shows poor cement, TIH with tubing to 640'. Mix and pump 185 sxs of 15.8#/gal Cl G cement down tubing. Cement should circulate to surface.)
7. 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: Kelsi Welch

Title: Regulatory Tech Date: 12/8/2016 Email: kelsi.welch@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. HICKEY, MIKE

COGCC Approved: Date: 12/27/2016

CONDITIONS OF APPROVAL, IF ANY: Expiration Date: 6/26/2017

COA Type	Description
	1)Prior to starting plugging operations a bradenhead test shall be performed. If the beginning pressure is greater than 25 psi, contact COGCC Engineer for sampling requirements. If pressure remains at the conclusion of the test, or if any liquids were present contact COGCC Engineer for sampling requirements. The Form 17 shall be submitted within 10 days of the test. 2)Submit Form 42 electronically to COGCC 48 hours prior to MIRU. 3)Properly abandon flowlines. Once flowlines are properly abandoned, file electronic form 42. 4)For 590’ plug: pump plug and displace. If cement is not circulated to surface, shut-in, WOC 4 hours and tag plug – top of plug must be not deeper than 339’ and provide minimum 10 sx plug at the surface. Leave at least 100’ of cement in the wellbore for each plug.
	Prior to placing 590' casing plug, run CBL from 3500’ to surface to confirm annular cement. If new CBL shows poor cement, contact COGCC Engineering before proceeding.

Attachment Check List

Att Doc Num	Name
401140838	FORM 6 INTENT SUBMITTED
401141917	WELLBORE DIAGRAM
401141919	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

User Group	Comment	Comment Date
Permit	pass.	11/02/2016
Public Room	Document verification complete 11/02/16	11/02/2016
Permit	Found 5A stating btm of Nio is 6726. Returned to draft.	11/02/2016

Total: 3 comment(s)