

FORM
6Rev
11/20

State 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:

402697721

Date Received:

08/02/2021

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,

Name:

Tel:

COGCC contact:

Email:

Type of Well Abandonment Report:



Notice of Intent to Abandon



Subsequent Report of Abandonment

API Number 05-123-32646-00

Well Name: NOCO ENERGIE

Well Number: 4-3

Location: QtrQtr: NENW Section: 3 Township: 6N Range: 65W Meridian: 6

County: WELD

Federal, Indian or State Lease Number:

Field Name: EATON

Field Number: 19350

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.520448

Longitude: -104.653865

GPS Data: GPS Quality Value: 1.6 Type of GPS Quality Value: Date of Measurement: 04/15/2011

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	7260	7279	03/11/2021	B PLUG CEMENT TOP	7210

Total: 1 zone(s)

Casing History

Casing Type	Size of Hole	Size of Casing	Grade	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top	Status
SURF	12+1/4	8+5/8		24	0	618	440	618	0	VISU
1ST	7+7/8	4+1/2		11.6	0	7465	870	7465	2165	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7210 with 2 sacks cmt on top. CIBP #2: Depth 6900 with 2 sacks cmt on top.
 CIBP #3: Depth 2500 with 2 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 90 sks cmt from 1460 ft. to 505 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 500 ft. with 39 sacks. Leave at least 100 ft. in casing _____ CICR Depth

Perforate and squeeze at 200 ft. with 58 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

Surface Plug Setting Date: 03/18/2021 Cut and Cap Date: 03/24/2021 Number of Days from Setting Surface Plug to Capping or Sealing the Well: 6

*Wireline Contractor: Rocky Mtn Wireline Services

*Cementing Contractor: NexTier Cementing Services

Type of Cement and Additives Used: Class G 15.8 PPG Cement

Flowline/Pipeline has been abandoned per Rule 1105 ☐ Yes ☐ No

Technical Detail/Comments:

NOCO Energie 4-3 (05-123-32646)/Plugging Procedure

Producing Formation: Codell: 7260'-7279'

Water Well (1-mile): 485'

Upper Pierre Aquifer: 380'-1360'

TD: 7480' PBTD: 7442' (Form 5 – Date not available)

Surface Casing: 8 5/8" 24# @ 618' w/ 440 sx cmt

Production Casing: 4 1/2" 11.6# @ 7465' w/ 870 sx cmt (TOC @ 1165' – Top of CBL)

Procedure:

1. MIRU pulling unit. Pull 2 3/8" tubing.
2. RU wireline company.
3. TIH with CIBP. Set BP at 7210'. Top with 2 sxs 15.8#/gal CI G cement. (Top of Codell perms 7260')
4. TIH with CIBP. Set BP at 6900'. Top with 2 sxs 15.8#/gal CI G cement. (Top of Niobrara @ 6950')
5. TIH with CIBP. Set BP at 2500'. Top with 2 sxs 15.8#/gal CI G cement.
6. Ran a CBL from 700' to Surface. Showed concern at 620'-570' that casing might not be free to cut.
7. TIH with casing cutter. Cut 4 1/2" casing @ 718'. Was unable to pull cut casing. Unlanded casing and performed a stretch calculation, showed casing to be free at 580'. Contacted the State, moved forward with the approved procedure change.
8. TIH with tubing to 1460'. RU cementing company. Mix and pump 90 sx 15.8#/gal CI G cement down tubing and through casing cut at 718'. TOC tagged at 505'.
9. TIH with perf gun. Shoot holes at 500'.
10. TIH with tubing to 505'. RU cementing company. Mix and pump 39 sx 15.8#/gal CI G cement down tubing and through perf holes at 500'. Cement circulate to surface.
11. TIH with perf gun. Shoot holes at 200'.
12. TIH with tubing to 200'. RU cementing company. Mix and pump 58 sx 15.8#/gal CI G cement down tubing and through perf holes at 200'. Cement circulate to surface.
13. Well casing cut and capped per COGCC guidelines at a depth as not to interfere with soil cultivation.

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: 8/2/2021 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: Jacobson, Eric Date: 9/27/2021

CONDITIONS OF APPROVAL, IF ANY:

Condition of Approval

COA Type **Description**

0 COA	

Attachment List

Att Doc Num **Name**

402697721	FORM 6 SUBSEQUENT SUBMITTED
402697726	CEMENT BOND LOG
402697728	CEMENT JOB SUMMARY
402697729	OTHER
402697730	OTHER
402697731	OPERATIONS SUMMARY
402697732	WELLBORE DIAGRAM
402697733	WIRELINE JOB SUMMARY

Total Attach: 8 Files

General Comments

User Group **Comment** **Comment Date**

Engineer	Form 17 submitted late	09/24/2021
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Total: 1 comment(s)