

Document Number:
402902669

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: Jessica Johannsen
 Name of Operator: PDC ENERGY INC Phone: (303) 860-5800
 Address: 1775 SHERMAN STREET - STE 3000 Fax: _____
 City: DENVER State: CO Zip: 80203 Email: jessica.johannsen@pdce.com

For "Intent" 24 hour notice required, Name: _____ Tel: _____
 Email: _____

Type of Well Abandonment Report: Notice of Intent to Abandon Subsequent Report of Abandonment

API Number 05-123-22971-00
 Well Name: VEGA Well Number: 11-3
 Location: QtrQtr: NWNW Section: 3 Township: 6N Range: 64W Meridian: 6
 County: WELD Federal, Indian or State Lease Number: _____
 Field Name: WATTENBERG Field Number: 90750

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.521170 Longitude: -104.542610
 GPS Data: GPS Quality Value: 2.0 Type of GPS Quality Value: _____ Date of Measurement: 07/29/2006

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	7070	7080	11/02/2021	B PLUG CEMENT TOP	7020

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	J55	24	0	582	320	582	0	VISU
1ST	7+7/8	4+1/2	J55	10.5	0	7227	170	7227	6400	CBL
S.C. 1.1						6400	305	6400	2486	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7020 with 2 sacks cmt on top. CIBP #2: Depth 6708 with 2 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 100 sks cmt from 2503 ft. to 2240 ft. Plug Type: STUB PLUG Plug Tagged:
 Set 100 sks cmt from 1776 ft. to 1570 ft. Plug Type: OPEN HOLE Plug Tagged:
 Set 290 sks cmt from 801 ft. to 0 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:

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 20 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: 2440 ft. of 4+1/2 inch casing Number of Days from Setting Surface Plug to Capping or Sealing the Well: 20
 Surface Plug Setting Date: 11/03/2021 Cut and Cap Date: 11/23/2021
 *Wireline Contractor: Ranger *Cementing Contractor: Duco Inc
 Type of Cement and Additives Used: 15.8# 'G'
 Flowline/Pipeline has been abandoned per Rule 1105 Yes No

Technical Detail/Comments:

Vega 11-3 (05-123-22971) Plugging Procedure
 Producing Formations: Codell: 7070'-7080'

Upper Pierre Aquifer: 610'-1670'

Deepest Water Well: 540'
 TD: 7260' PBD: 7170' (6/8/2017)
 Surface Casing: 8 5/8" 24# @ 582' w/ 320 sxs cmt
 Production Casing: 4 1/2" 10.5# @ 7227' w/ 475 sxs (TOC @ 2486' – CBL)

Procedure:

1. MIRU pulling unit. Pull 2 3/8" tubing.
2. RU wireline company.
3. TIH with CIBP. Set BP at 7020'. Top with 2 sxs 15.8#/gal CI G cement. (Top of Codell perms @ 7070')
4. TIH with CIBP. Set BP at 6708'. Top with 2 sxs 15.8#/gal CI G cement. (Top of Niobrara @ 6758')
5. TIH with casing cutter. Cut 4 1/2" casing @ 2440'. Pull cut casing.
6. TIH with tubing to 2440'. RU cementing company. Mix and pump 100 sxs 15.8#/gal CI G cement down tubing. (Stub Plug from 2503'-2240') TOC at
7. TIH with tubing to 1776'. Mix and pump 100 sxs 15.8#/gal CI G cement down tubing. (Pierre coverage from 1776'-1570') TOC at
8. Wait a sufficient time to confirm static conditions. If at any time after placing this plug there is evidence of pressure or fluid migration, contact engineering before continuing operations.
9. Pick up tubing to 801'. Mix and pump 290 sxs 15.8#/gal CI G cement down tubing. Cement circulate to surface.
10. 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: Jessica Johannsen

Title: Regulatory Analyst

Date: _____

Email: jessica.johannsen@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: _____

COA Type

Description

COA Type	Description

Attachment List

Att Doc Num

Name

402902688	CEMENT JOB SUMMARY
402902689	OTHER
402902690	OPERATIONS SUMMARY
402902692	WELLBORE DIAGRAM

Total Attach: 4 Files

General Comments

User Group

Comment

Comment Date

User Group	Comment	Comment Date
		Stamp Upon Approval

Total: 0 comment(s)