

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.

Document Number:
 402684957
 Date Received:
 05/10/2021

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: Peterson, Tom Tel: (970) 370-1281
COGCC contact: Email: tom.peterson@state.co.us

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

API Number 05-123-15482-00
 Well Name: BRUZEWSKI Well Number: 33-15F
 Location: QtrQtr: SWSE Section: 33 Township: 4N Range: 66W 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: 40.262750 Longitude: -104.779350
 GPS Data: GPS Quality Value: 1.6 Type of GPS Quality Value: PDOP Date of Measurement: 04/27/2021
 Reason for Abandonment: Dry Production Sub-economic Mechanical Problems
 Other This is a Re-Entry P&A for PDC's Steamboat and Trippet
 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	Grade	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top	Status
SURF	12+1/4	8+5/8	J55	23	0	507	365	507	0	VISU
OPEN HOLE	7+7/8					7395				

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth _____ with _____ 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 <u>40</u> sks cmt from <u>7000</u> ft. to <u>6900</u> ft.	Plug Type: <u>OPEN HOLE</u>	Plug Tagged: <input type="checkbox"/>
Set <u>40</u> sks cmt from <u>6450</u> ft. to <u>4350</u> ft.	Plug Type: <u>OPEN HOLE</u>	Plug Tagged: <input type="checkbox"/>
Set <u>40</u> sks cmt from <u>4500</u> ft. to <u>4400</u> ft.	Plug Type: <u>OPEN HOLE</u>	Plug Tagged: <input checked="" type="checkbox"/>
Set <u>237</u> sks cmt from <u>4141</u> ft. to <u>3641</u> ft.	Plug Type: <u>OPEN HOLE</u>	Plug Tagged: <input checked="" type="checkbox"/>
Set <u>100</u> sks cmt from <u>1505</u> ft. to <u>1305</u> ft.	Plug Type: <u>OPEN HOLE</u>	Plug Tagged: <input checked="" type="checkbox"/>

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 337 sacks half in. half out surface casing from 700 ft. to 0 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 Number of Days from Setting Surface Plug to Capping or Sealing the Well: _____
 Surface Plug Setting Date: _____ Cut and Cap Date: _____

*Wireline Contractor: _____ *Cementing Contractor: _____

Type of Cement and Additives Used: _____

Flowline/Pipeline has been abandoned per Rule 1105 Yes No

Technical Detail/Comments:

Bruzewski 33-15F (05-123-15482)/Re-Enter to Re-Plug Procedure (Intent)
 Abandoned Formation: N/A DA well (2/23/1992)
 Upper Pierre Aquifer: 595'-1405'
 Depest Water Well: 520'
 TD: 7395'
 Surface Casing: 8 5/8" 23# @ 507' w/ 365 sxs
 Open Hole: 7 7/8" @ 7395'
 Existing Plugs: 6999'-6899' (40 sxs), 6447'-6347' (40 sxs), 4482'-4382' (40 sxs), 550'-497' (15 sxs), 32' to surface (10 sxs)
 Proposed Procedure:
 1. Dig out to find wellhead and check pressure.
 2. Cut cap off, extend surface pipe to achieve ground level.
 3. MIRU WO unit, ND wellhead, NU BOP, tally all pipe to be ran in well.
 4. Mill cement, cement btm of surface shoe plug is at 550', according to cement invoice.
 5. Wash run down and tag plug at 4382' or depth that well allows.
 6. PU tubing to 4141'. RU cementing company. Mix and pump 237 sxs 15.8#/gal CI G cement down tubing (Coverage from 4141' to 3641'). PU tubing above plug and SI well. (Top of Sussex @ 4191')
 a. Wait 4 hours and tag plug
 7. PU tubing to 1505'. RU cementing company. Mix and pump 100 sxs 15.8#/gal CI G cement down tubing (Pierre Aquifer coverage from 1505'-1305'). PU tubing above plug and SI well.
 a. Wait 4 hours and tag plug
 8. PU tubing to 700'. RU cementing company. Mix and pump 337 sxs 15.8#/gal CI G cement down tubing. Cement should circulate to surface.
 9. RDMO WO unit. Remove extension of surface pipe.
 10. Weld on cap with ID plate, inscribed with well location, and identity. Backfill, clean location. Re-Entry complete.

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: 5/10/2021 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: McFarland, Nick Date: 6/7/2021

CONDITIONS OF APPROVAL, IF ANY: Expiration Date: 12/6/2021

Condition of Approval

<u>COA Type</u>	<u>Description</u>
	1) Provide 48 hour notice of plugging MIRU via electronic Form 42. 2) Operator must tag top of previously placed plug at ~4400'. If cement is tagged lower than 4500' contact COGCC engineering prior to continuing plugging operations. 3) After placing the shallowest hydrocarbon isolating plug (4141'), operator must wait a sufficient time to confirm static conditions. If at any time after placing this plug there is evidence of pressure or of fluid migration, contact COGCC engineering before continuing operations. 4) Prior to placing the 1505' plug: verify that all fluid migration (liquid and gas) has been eliminated. If evidence of fluid migration or pressure remains, contact COGCC Engineer for an update to plugging orders. 5) After isolation has been verified, pump plug at 700' and displace. If cement is not circulated to surface, shut-in, WOC 4 hours then tag plug – must be at 457' or shallower and provide 10 sx plug at the surface. 6) Leave at least 100' of cement in the wellbore for each plug. 7) Pursuant to Rule 911.a. Closure of Oil and Gas Facilities, Operator will submit Site Investigation and Remediation Workplans via Form 27 for COGCC prior approval before cutting and capping the plugged well, conducting flowline abandonment, and removing production equipment. 8) With the Form 6 SRA operator must provide written documentation which positively affirms each COA has been addressed.
	In accordance with the Notice to Operators (NTO): Timing for COGCC Forms adopted on 05/01/2020, this Form 6 Notice of Intent to Abandon is valid for 12 months from the date of approval expiring on 6/7/2022. This NTO does not alter the deadlines for submission of, or compliance with any other Commission rule or Form.
	Operator will provide notice to Residential Building Unit residents within 1,000 feet of the well.
	Operator will implement measures to control emissions 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 health, welfare, and the environment.
4 COAs	

Attachment List

<u>Att Doc Num</u>	<u>Name</u>
402684957	FORM 6 INTENT SUBMITTED
402684959	WELLBORE DIAGRAM
402684960	WELLBORE DIAGRAM
402684961	LOCATION PHOTO
402684962	SURFACE OWNER CONSENT

Total Attach: 5 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Re-entry PA. Oringal PA 1992. SB5 Base of Fox Hills Aquifer: 274' Deepest water well within 1 mile: 520' # of wells: 194 Base of Upper Pierre: 1405' - Induction Log Production within one mile: JSND, CODL, NBRR, SUSX	06/07/2021
OGLA	OGLA review complete.	06/04/2021
Permit	As-drilled GPS confirmed by new well location plat. Verified well records. Permitting review complete.	05/13/2021

Total: 3 comment(s)