

**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:  
 403377561  
 Date Received:  
 05/18/2023

OGCC Operator Number: 69175 Contact Name: Valerie Danson  
 Name of Operator: PDC ENERGY INC Phone: (970) 506-9272  
 Address: 1099 18TH STREET SUITE 1500 Fax: \_\_\_\_\_  
 City: DENVER State: CO Zip: 80202 Email: valerie.danson@pdce.com

**For "Intent" 24 hour notice required,** Name: Medina, Justin Tel: (720) 471-0006  
**COGCC contact:** Email: justin.medina@state.co.us

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

API Number 05-001-07020-00  
 Well Name: MATTIVE & SONS INC Well Number: 1  
 Location: QtrQtr: SWSE Section: 8 Township: 1S Range: 66W Meridian: 6  
 County: ADAMS Federal, Indian or State Lease Number: \_\_\_\_\_  
 Field Name: WATTENBERG Field Number: 90750

*Only Complete the Following Background Information for Intent to Abandon*

Latitude: 39.974700 Longitude: -104.797290  
 GPS Data: GPS Quality Value: 1.0 Type of GPS Quality Value: PDOP Date of Measurement: 05/08/2023  
 Reason for Abandonment:  Dry  Production Sub-economic  Mechanical Problems  
 Other Re-enter to Re-plug for PDC's Brant development  
 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
J SAND	8099	8136	09/21/1994	B PLUG CEMENT TOP	8050
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	216	70	216	0	VISU
1ST	7+7/8	4+1/2	J55	11.6	7533	8180	200	8180	7651	CALC
OPEN HOLE	7+7/8				216	7533				

## 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	237	sks cmt from	7172	ft. to	6672	ft.	Plug Type: OPEN HOLE	Plug Tagged: <input checked="" type="checkbox"/>
Set	237	sks cmt from	3500	ft. to	3000	ft.	Plug Type: OPEN HOLE	Plug Tagged: <input type="checkbox"/>
Set	94	sks cmt from	2247	ft. to	2047	ft.	Plug Type: OPEN HOLE	Plug Tagged: <input checked="" type="checkbox"/>
Set	94	sks cmt from	1240	ft. to	1040	ft.	Plug Type: OPEN HOLE	Plug Tagged: <input checked="" type="checkbox"/>
Set		sks cmt from		ft. to		ft.	Plug Type: _____	Plug Tagged: <input 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 162 sacks half in. half out surface casing from 416 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  
 Surface Plug Setting Date: \_\_\_\_\_ Cut and Cap Date: \_\_\_\_\_ Number of Days from Setting Surface Plug to Capping or Sealing the Well: \_\_\_\_\_  
 \*Wireline Contractor: \_\_\_\_\_ \*Cementing Contractor: \_\_\_\_\_  
 Type of Cement and Additives Used: \_\_\_\_\_  
 Flowline/Pipeline has been abandoned per Rule 1105  Yes  No

Technical Detail/Comments:

Mattive & Sons Inc 1 (05-001-07020)/Re-Enter to Re-Plug Procedure (Intent)

Original Abandon Date: 9/21/1994

Abandoned Formation: J-Sand: 8099'-8136'

Upper Pierre Aquifer: 1140'-2147'

TD: 8180'

Surface Casing: 8 5/8" 24# @ 216' w/ 70 sxs cmt

Open Hole: 7 7/8" @ 216'-7533'

Production Casing: 4 1/2" 11.6# @ 8180'-7533' w/ 200 sxs cmt (TOC @ 7651' - Calc)

Existing Plugs: CIBP @ 8050' w/ 2 sx cmt, 1306'-1222' (40 sxs cmt), 703'-619' (40 sxs cmt), 250' -166' (40 sxs cmt) 32'-Surface (10 sx cmt)

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 is approximately 1306' according to well history data.
5. Wash run down to Existing CIBP @ 8050' or depth that well allows.
6. PU tubing to 7172'. RU cementing company. Mix and pump 237 sxs 15.8#/gal CI G cement down tubing. (Top of Niobrara @ 7222', Coverage from 7172' to 6672') PU tubing above plug and SI well.
  - a. Wait 4 hours and tag plug
7. PU tubing to 3500'. Mix and pump 237 sxs 15.8#/gal CI G cement down tubing. (Coverage from 3500'-3000')
8. PU tubing to 2247'. Mix and pump 94 sxs 15.8#/gal CI G cement down tubing. (Lower Pierre Aquifer coverage from 2247'-2047') PU tubing above plug and SI well.
  - a. Wait 4 hours and tag plug
9. PU tubing to 1240'. Mix and pump 94 sxs 15.8#/gal CI G cement down tubing (Upper Pierre Aquifer coverage from 1240'-1040') PU tubing above plug and SI well.
  - a. Wait 4 hours and tag plug
10. PU tubing to 416'. RU cementing company. Mix and pump 162 sxs 15.8#/gal CI G cement down tubing. Cement should circulate to surface. Top off if necessary.
11. RDMO WO unit. Remove extension of surface pipe.
12. 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 Analyst Date: 5/18/2023 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: 5/26/2023

**CONDITIONS OF APPROVAL, IF ANY:** \_\_\_\_\_ Expiration Date: 11/25/2023

<b>COA Type</b>	<b>Description</b>
	<p>1) Provide electronic Form 42 Notice of MIRU 2 business days ahead of operations and electronic Form 42 Notice of Plugging Operations 48 hours prior to mobilizing for plugging operations. These are two separate notifications, required by Rules 405.e and 405.l.</p> <p>2) Prior to placing cement above the base of the Upper Pierre (2157') : verify that all fluid (liquid and gas) migration has been eliminated. If evidence of fluid migration or pressure remains, contact COGCC Engineer for an update to plugging orders.</p> <p>3) Pump surface casing shoe plug at 416' only after isolation has been verified. If surface casing cement is not circulated to surface, shut-in, WOC 4 hours then tag plug – must be at 166' or shallower and provide a minimum of 10 sx plug at the surface.</p> <p>4) Leave at least 100' of cement in the wellbore for each plug without mechanical isolation.</p> <p>5) With the Form 6 SRA operator must provide written documentation which positively affirms each COA listed above has been addressed.</p>
	Due to the proximity and density of the neighboring subdivision: Prior to commencing operations, the operator will notify the appropriate local governing bodies to inform them of the planned operations (HOAs, local government, etc). The operator will post signs in conspicuous locations that will remain in place throughout the duration of the plug and abandonment activities. The signs will indicate plugging and abandonment operations are being conducted, the well name, well, and the applicable contact information. Signs will be placed so as not to create a potential traffic hazard.
	Due to proximity to surface water, Operator will review the stormwater program and implement stormwater BMPs and erosion control measures as needed to prevent fine-grained sediment and impacted stormwater runoff from entering surface water.
	Due to close proximity to Residential Building Units (RBUs): prior to commencing operations, at a minimum, the operator will provide an informational sheet to the owners/occupants of RBUs that are nearby and adjacent to the parcel on which the well is located. The sheet will include the operator's contact information and the nature, timing, and expected duration of the P&A operations.
	Due to proximity of plugging and abandonment (P&A) operations to BUs, operator will comply with Table 423 Maximum Permissible Noise Levels for residential land use. Prior to initiating work, operator will install temporary sound walls, straw bales, or other BMPs to dampen noise if necessary for compliance.
	Operator will implement measures to capture, combust, or 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. Due to the proximity of residential building units (RBUs) all blowdown gasses will be controlled.
6 COAs	

### **Attachment List**

<b>Att Doc Num</b>	<b>Name</b>
403377561	FORM 6 INTENT SUBMITTED
403377613	WELLBORE DIAGRAM
403377617	WELLBORE DIAGRAM
403406501	LOCATION PHOTO
403406502	SURFACE OWNER CONSENT

Total Attach: 5 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Deepest Water Well within 1 Mile – 1120' SB5 Base of Fox Hills - 1100' SB5 Base of Lower Arapahoe - 559' SB5 Base of Upper Arapahoe - 204'  Upper Arapahoe / 4813 / 4898 / 25.7 / 204 / 119 / 6.99NT Lower Arapahoe / 4458 / 4738 / 129.7 / 559 / 279 / 35.28NNT Laramie-Fox Hills / 3917 / 4133 / 160.6 / 1100 / 884 / 38.54NT	05/26/2023
OGLA	OGLA review is complete.	05/25/2023
Permit	Operator submitted as-drilled location. No other forms in process. Reviewed attachments. Pass.	05/18/2023

Total: 3 comment(s)