

05/03/2019



The Chemours Company
Washington Works
8480 DuPont Road
PO Box 1217
Washington, WV 26181

304-863-4000
chemours.com

April 25, 2019

CERTIFIED MAIL – 7017-1450-0002-3256-0843- RETURN RECEIPT REQUESTED

Mr. James Martin, Chief
c/o Ms. Renae Whitlock
WV Dept. of Environmental Protection
Office of Oil and Gas
601 57th Street, SE
Charleston, WV 25304-2345

Dear Mr. Martin:

Please find enclosed the plugging affidavit, WR-38 for Chemours Waste Well #2, 47-107-00593.

If you have any questions or need additional information, please contact me at (304) 863-4448.

Sincerely,

A handwritten signature in blue ink that reads 'Alison A. Crane'. The signature is fluid and cursive.

Alison A. Crane
Site Environmental Leader
Chemours Washington Works

AAC:jm

Enclosures

cc: Mr. Joe Taylor, Inspector
WV Dept. of Environmental Protection
Office of Oil and Gas
1478 Claylick Road
Ripley, WV 25271

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WV Dept. of
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**STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS**

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Department, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: Washington Works Operator Well No.: Waste Well #2 (permit calls it #3)

LOCATION: Elevation: 622 Quadrangle: Little Hocking
District: Lubeck County: Wood
Latitude: 39.268678 Feet South of 39 Deg. 16 Min. 07.24 Sec.
Longitude: 81.677761 Feet West of 81 Deg. 40 Min. 39.94 Sec.

Well Type: OIL NA GAS NA INJECTION X

Company The Chemours Company FC, LLC Coal Operator The Chemours Company FC, LLC
8480 DuPont Road or Owner 8480 DuPont Road
Washington, WV 26181 Washington, WV 26181
Agent Alison A. Crane Coal Operator _____
or Owner _____
Permit Issued Date 6/25/2018

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Wood ss:

Shawn P. O'Brien and Alison A. Crane being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by the above named well operator, and participated in the work of plugging and filling the above well say that said work was commenced on the 11th day of October, 2018, and the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Epeal Epoxy	3615	2160	0	1455 feet of 6 5/8 and 6 3/8, 1560 feet of 11 3/4, 85 feet of 16 and 20 inch
Class A	2160	1900	0	Same
Class A	1900	900	0	Same
Class A	900	300	0	Same
Class A	300	Surface	0	Same
See attachment for details				

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Description of monument: Flange bolted to wellhead with 6 inch casing raised to a minimum of 36 inches filled with cement and that the work of plugging and filling said well was completed on the 14th day of February, 2019.

And further deponents saith not.

Shawn O'Brien
Alison Crane

Sworn and subscribe before me this 21 day of Feb, 2019

My commission expires: 3/3/20

Mary Jo Pedersen
Notary Public



Affidavit reviewed by the Office of Oil and Gas: [Signature] Title: OOG Inspector

4-25-19

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NOTARY PUBLIC

OFFICIAL SEAL
STATE OF WEST VIRGINIA
NOTARY PUBLIC
MAY 30 EXPIRES
700 BROADWAY, SUITE 200
CHARLESTON, WV 25301
My Commission Expires



[Handwritten signatures and scribbles]

05/03/2019

Chemours Waste Well #2
47-107-00593
Attachment A – Plugging Chronology

October 11, 2018 - Mobilize rig and equipment
October 25, 2018 – Begin drilling cement from the 6 5/8-inch casing
November 8, 2018 – Finish drilling old cement out to 2,116 feet
November 10, 2018 – Ran cement bond log
November 11, 2018 – Purge hole with nitrogen and monitored for gas migration
November 14, 2018 – Ran test packer to determine location of gas entering the well. The gas was determined to be coming from above 2,116 feet.
November 26, 2018 – Began milling 6 5/8-inch casing from 2,040 feet to 2,089 feet
December 1, 2018 – Finish milling 6 5/8-inch casing to 2,089 feet
December 4, 2018 – Began milling 8 5/8-inch casing 2,040 to 2,089
January 12, 2019 – Completed section milling 8 5/8
January 14, 2019 – Set first plug and squeeze 1,900 – 2,160, 18 bbl. Class A cement
January 15-16, 2019 – Perforated casing from 1,895-1,899 feet, spotted 35.5 bbl. Class A cement from 900 – 1,900 feet, and squeezed with 1,500 psig
January 17, 2019 – Perforated casing from 670-674 feet, spotted 21.3 bbl. Class A cement, and squeezed with 2,200 psig. Shut down and monitored well for gas migration. It was determined that the gas was coming from above 670 feet
January 18 – 28, 2019 – Operation suspended to allow residual gas to migrate
February 2 - 4, 2019 - Milled cement out to 670 feet
February 6, 2019 – Perforated well at 662 feet using perforating guns large enough to penetrate the 6 5/8-inch, 8 5/8-inch and the 11 3/4-inch casings
February 7, 2019 – Monitored for gas
February 8, 2019 – Spotted 14.5 bbl Class A cement from 300-670 feet and squeezed with 1,250 psig
February 11, 2019 – Gas detected at the wellbore
February 13, 2019 – Perforate at 226 feet
February 14, 2019 – Spotted 14.5 bbl Class A cement from surface -300 feet and squeezed with 800 psig
February 19, 2019 – Monitored for gas, none detected
February 20, 2019 – Topped off cement and erected monument
February 21, 2019 – Monitored for gas, none detected

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Office of the
Attorney General
May 3, 2019
Environmental Protection
Division

05/03/2019

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<input type="checkbox"/> Adult Signature Restricted Delivery	\$	
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To: WVDEP
 Office of Oil & Gas
 601 57th St. SE
 Charleston, WV 25304

Royer E-365
Morgan E-207
WR-382

Postmark: APR 26 2019

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<input type="checkbox"/> Return Receipt (electronic)	\$	
<input type="checkbox"/> Certified Mail Restricted Delivery	\$	
<input type="checkbox"/> Adult Signature Required	\$	
<input type="checkbox"/> Adult Signature Restricted Delivery	\$	
Postage	\$	

To: Consolidation Coal Company
 1000 Consol Energy Drive, Suite 100
 Canonsburg, PA 15317-6506

Royer E-365
Morgan E-207
WR-382

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 WV Department of Environmental Protection

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<input type="checkbox"/> Return Receipt (electronic)	\$	
<input type="checkbox"/> Certified Mail Restricted Delivery	\$	
<input type="checkbox"/> Adult Signature Required	\$	
<input type="checkbox"/> Adult Signature Restricted Delivery	\$	
Postage	\$	

To: Consolidation Coal Co. (c/o Murray
 Energy)
 46226 National Road
 St. Clairsville, OH 43950

Royer E-365
Morgan E-207
WR-382

Postmark: APR 26 2019

Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
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WVDEP
Office of Oil & Gas
601 57th St. SE
Charleston, WV 25304



9590 9402 3961 8060 6209 24

Rogers + Morgan UR-38's

2. Article Number (Transfer from service label)

7017 2620 0000 0736 7992

PS Form 3811, July 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature *E. Toler* Agent Addressee

B. Received by (Printed Name) *E. Toler* C. Date of Delivery *5/3/19*

D. Is delivery address different from item 1? Yes No
If YES, enter delivery address below:

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MAY 2 6 2019
WV Department of Environmental Protection

3. Service Type
- Adult Signature
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 - Certified Mail®
 - Certified Mail Restricted Delivery
 - Collect on Delivery
 - Collect on Delivery Restricted Delivery
 - Insured Mail
 - Mail Restricted Delivery 300
 - Priority Mail Express®
 - Registered Mail™
 - Registered Mail Restricted Delivery
 - Return Receipt for Merchandise
 - Signature Confirmation™
 - Signature Confirmation Restricted Delivery

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
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Consolidation Coal Company
1000 Consol Energy Drive, Suite 100
Canonsburg, PA 15317-6506



9590 9402 3961 8060 6209 55

Rogers + Morgan UR-38's

2. Article Number (Transfer from service label)

7017 2620 0000 0736 7985

PS Form 3811, July 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature *Natalie Cardinale* Agent Addressee

B. Received by (Printed Name) *Natalie Cardinale* C. Date of Delivery

D. Is delivery address different from item 1? Yes No
If YES, enter delivery address below:

3. Service Type
- Adult Signature
 - Adult Signature Restricted Delivery
 - Certified Mail®
 - Certified Mail Restricted Delivery
 - Collect on Delivery
 - Collect on Delivery Restricted Delivery
 - Insured Mail
 - Restricted Delivery
 - Priority Mail Express®
 - Registered Mail™
 - Registered Mail Restricted Delivery
 - Return Receipt for Merchandise
 - Signature Confirmation™
 - Signature Confirmation Restricted Delivery

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
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1 Consolidation Coal Co. (c/o Murray Energy)
46226 National Road
St. Clairsville, OH 43950



9590 9402 3961 8060 6209 48

Rogers E-365 Morgan E-207-UR-38's

2. Article Number (Transfer from service label)

7017 2620 0000 0736 7978

PS Form 3811, July 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature *Rich Hay* Agent Addressee

B. Received by (Printed Name) *Rich Hay* C. Date of Delivery *12-3-18*

D. Is delivery address different from item 1? Yes No
If YES, enter delivery address below:

3. Service Type
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 - Adult Signature Restricted Delivery
 - Certified Mail®
 - Certified Mail Restricted Delivery
 - Collect on Delivery
 - Collect on Delivery Restricted Delivery
 - Restricted Delivery
 - Priority Mail Express®
 - Registered Mail™
 - Registered Mail Restricted Delivery
 - Return Receipt for Merchandise
 - Signature Confirmation™
 - Signature Confirmation Restricted Delivery

Domestic Return Receipt

**STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS**

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Agent Alison A. Crane Coal Operator _____
or Owner _____
Permit Issued Date 6/25/2018

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County of Wood ss:

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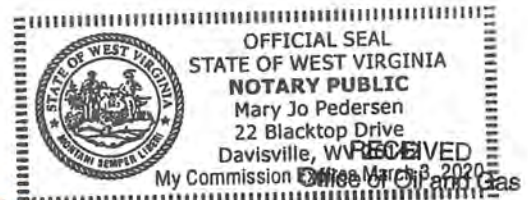
And further deponents saith not.

Shawn P. O'Brien
Alison A. Crane

Sworn and subscribe before me this 21 day of Feb, 2019

My commission expires: 3/3/20

Mary Jo Pedersen
Notary Public



APR 30 2019

Affidavit reviewed by the Office of Oil and Gas: _____

Title: ooc Inspector

4-25-19

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47-107-00593
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47-107-00593
WASTE WELL
WELL PLUGGED

47-107-00593
Plugged

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