



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
(304) 926-0450
fax: (304) 926-0452

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Tuesday, November 30, 2021
WELL WORK PLUGGING PERMIT
Vertical Plugging

CONSOLIDATION COAL COMPANY
1 BRIDGE STREET
MONONGAII, WV 26554


Re: Permit approval for M-1079
47-051-00605-00-00

This well work permit is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to any additional specific conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas Inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. Please be advised that form WR-38, Affidavit of Plugging and Filling Well, is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926- 0450.

James A. Martin
Chief

Operator's Well Number: M-1079
Farm Name: LATICHA M. RICHARDS ET 
U.S. WELL NUMBER: 47-051-00605-00-00
Vertical Plugging
Date Issued: 11/30/2021

Promoting a healthy environment.

12/03/2021

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4705100605P

PERMIT CONDITIONS

West Virginia Code § 22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.

12/03/2021

1) Date September 23, 2021
2) Operator's
Well No. M-1079
3) API Well No. 47-051 - 00605

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil ___ / Gas X / Liquid injection ___ / Waste disposal ___ /
(If "Gas, Production ___ or Underground storage ___) Deep ___ / Shallow X

5) Location: Elevation 1426.10 Watershed Fish Creek
District Liberty County Marshall Quadrangle Cameron, WV 7.5'

6) Well Operator Consolidation Coal Company 7) Designated Agent Dave Roddy
Address 1 Bridge Street Address 1 Bridge Street
Monongah, WV 26554 Monongah, WV 26554

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Gayne Kuitowski Name _____
Address PO Box 108 Address _____
Gorman, WV 26720

10) Work Order: The work order for the manner of plugging this well is as follows:

See Exhibit No. 1

MSHA 101 C PETITION SUMMARY FOR ACTIVE WELL.

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Environmental Protection

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector Gayne J. Kuitowski Date 11-15-2021

12/03/2021

EXHIBIT No.1

From the experience and technology developed since 1970 in plugging oil and gas wells for the mining through, West Virginia Land Resources will utilize the following method to plug all future wells.

SOLID PLUG METHOD

Well Clean Out

- ★ (a) If active well: Clean out to the total depth and plug back according to the state regulations to a minimum of 200 feet below the lowest minable coal seam.
- (b) ~~If abandoned well:~~ Clean out to the first plug 200 feet below the lowest minable coal seam.

Cement

- (a) Circulate through the tubing or drill steel an expanding Class A cement plug from a minimum of 200 feet below the minable coal seam to a point 100 feet above the minable coal seam.
- (b) Circulate through the tubing or drill steel an expanding Class A cement plug from 100 feet above the coal seam to the surface

A monument will be installed with API number and stating "solid plug."

Marshall County 101C

Docket No. M-2016-016-C

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101C MSHA Petition Summary
 Marshall County Coal
 Ohio County Coal

I. **Definitions**

- A. Diligent Effort is defined as pulling 150% casing weight and making at least 3 attempts. Assume casing is 3,000' when length is unknown.



II. **Active Well**

- A. Check for Methane
 B. Notify MSHA we are plugging an active well
 C. Kill Well
 D. Pull Sucker Rods and tubing
 E. Make Diligent Effort to Pull Casing
 F. If casing cannot be pulled...
 i. Run Bond Log
 1. Discuss Action Plan with Mine Personal
 ii. Notify MSHA that casing cannot be pulled
 iii. Cut, rip, or perforate every 200'. First cut will be 200' above the end of casing up to 200' below Pittsburgh coal
 1. MSHA can waive 200' cuts if bond log shows adequate material behind casing.
 iv. Cut, Rip, or Perforate every 50' from 200' below Pittsburgh to 100' above Pittsburgh (see Appendix A).
 v. Cut, Rip, or Perforate every 5' from 10' below Pittsburgh Coal to 10' above Pittsburgh (see Appendix A).
 G. Pump Class A Cement from TD to 200' below Pittsburgh
 H. Pump Thixotropic Cement from 200' below Pittsburgh to 100' above
 I. Pump Class A cement from 100' above Pittsburgh to surface.
 J. Install Well Marker

III. ~~**Abandoned Well**~~

- A. Check for Methane
 i. Notify MSHA if actively producing methane
 B. Kill Well
 C. If well is less than 4,000' deep, clean out well 220' below Pittsburgh (cleanout an extra 20' to allow for variance in coal elevation).
 D. If well has casing, make diligent effort to pull casing as defined above.
 E. If casing cannot be pulled...
 i. Run Bond Log
 ii. Notify MSHA that casing cannot be pulled
 iii. Cut, Rip, or Perforate every 50' from 200' below Pittsburgh to 100' above Pittsburgh (see Appendix A).

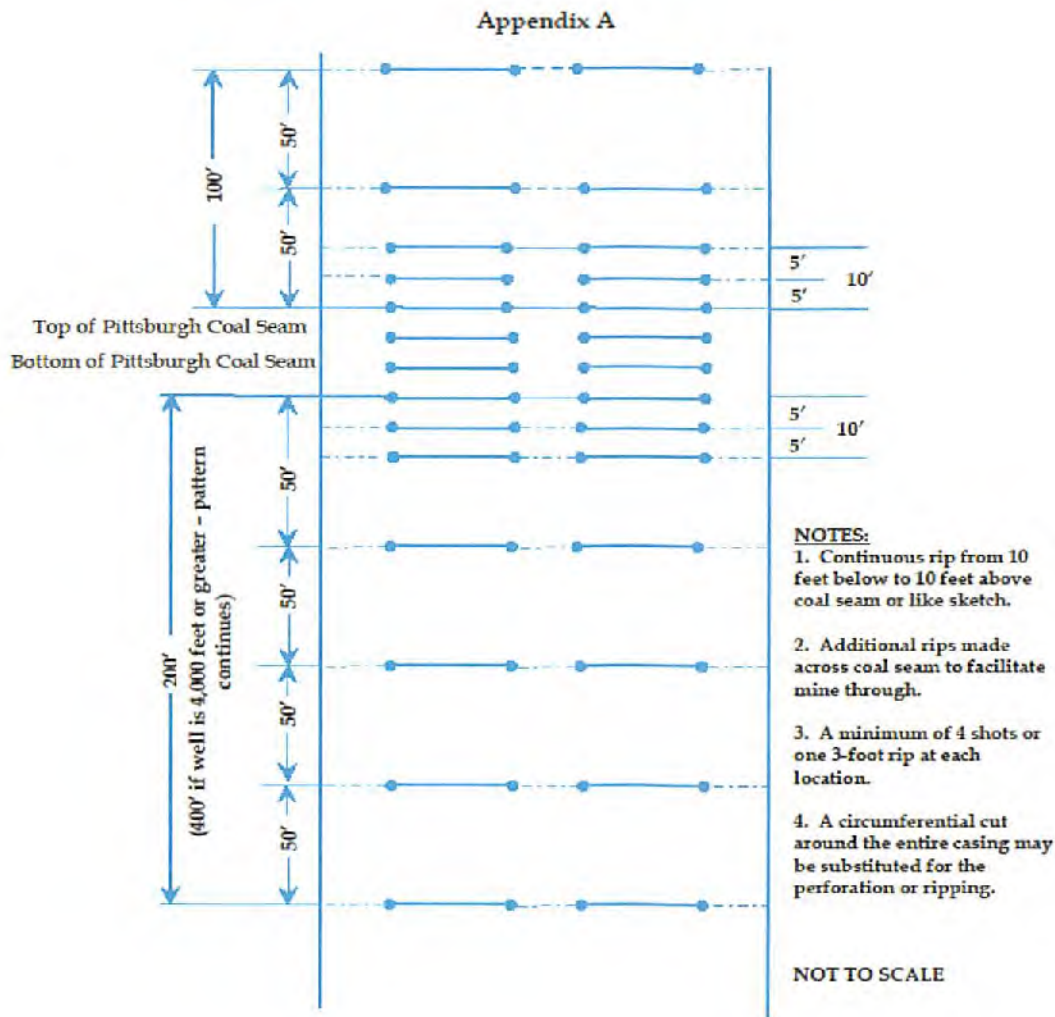
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- iv. Cut, Rip, or Perforate every 5' from 10' below Pittsburgh Coal to 10' above Pittsburgh (see Appendix A).
- F. Pump expanding cement under 200 PSI to form a plug 200' below Pittsburgh
- G. Verify plug
- H. Pump Class A Cement from verified plug to 200' below Pittsburgh
- I. Pump Thixotropic Cement from 200' below Pittsburgh to 100' above
- J. Pump Class A cement from 100' above Pittsburgh to surface.
- K. Install well marker



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***If the depth is greater than 4,000 feet, all 200' number change to 400' respectively



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WR-35

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APR 03 83
Office of Oil & Gas

State of West Virginia
DEPARTMENT OF ENERGY
Oil and Gas Division

Date April 20, 1993
Operator's
Well No. L-1029
Farm Frank Todd
API No. 47 - 051 - 00605

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas X / Liquid Injection / Waste Disposal /
(If "Gas," Production X / Underground Storage X / Deep / Shallow /)

LOCATION: Elevation: 1260 Watershed Laurel Run
District: Liberty County Marshall Quadrangle Cameron SE

COMPANY Columbia Gas Transmission Corp.
ADDRESS P.O. Box 1273, Charleston, WV 25325
DESIGNATED AGENT R. C. Weidner
ADDRESS SAME
SURFACE OWNER Myra Richards
ADDRESS P. O. Box 133, Cameron, WV 26033
MINERAL RIGHTS OWNER SAME
ADDRESS

OIL AND GAS INSPECTOR FOR THIS WORK
111 Blockshore Dr.
R. Mick ADDRESS Mannington, WV 26582

PERMIT ISSUED ASSIGNED 1978
DRILLING COMMENCED 5-24-04
DRILLING COMPLETED 7-21-04

IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
OR

Casing Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.		15	
13-10"		1410	
9 5/8			
8 5/8			
7 61		2108	
5 1/2			
4 1/2		3082	
3			
2			
Liners used			

17171

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APR 05 83
Office of Oil & Gas

GEOLOGICAL TARGET FORMATION Gordon Depth 3035-3057 feet
Depth of completed well 3231 feet Rotary / Cable Tools X
Water strata depth: Fresh feet; Salt 1925-1975 feet
Coal seam depths: 1018-1025 Is coal being mined in the area? No

OPEN FLOW DATA
Producing formation Gordon Pay zone depth 3035-3057 feet
Gas: Initial open flow 740 Mcf/d Oil: Initial open flow Bbl/d
Final open flow Mcf/d Final open flow Bbl/d
Time of open flow between initial and final tests hours
Static rock pressure 464 psig (surface measurement) after 24 hours shut in
(If applicable due to multiple completion--)
Second producing formation Pay zone depth feet
Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d
Final open flow Mcf/d Oil: Final open flow Bbl/d
Time of open flow between initial and final tests hours
Static rock pressure psig (surface measurement) after hours shut in

MAR 06 05

12/03/2021

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DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

The well record from 1904 indicates the well was shot with 90 qts of Glycerine and there doesn't appear to be any perforated intervals.

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 MAY 05 93
 Permitting
 Office of Oil & Gas

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Pittsburgh Coal			1018	1025	
Salt			1925	1975	
Maxton			2050	2060	
Big Lime			2108	2150	
Big Injun			2155	2410	
30'			2775	2802	
Red Rock			2875	2925	
50'			2950	2986	
Gordon Stray			2990	3020	
Gordon			3035	3057	
Total Depth				3231	

(Attach separate sheets as necessary)

Columbia Gas Transmission Corporation
 Well Operator

By: Robert C. Kidner

Date: 04/29/93

Note: Regulation 2.02(i) provides as follows:
 "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

12/03/2021

WW-4A
Revised 6-07

1) Date: 9/23/21
2) Operator's Well Number
M-1079
3) API Well No.: 47 - 051 - 00605

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

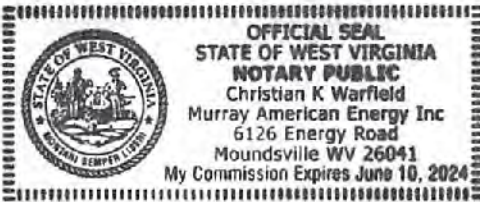
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Latcha M. Richards</u>	Name <u>Consolidation Coal Co.</u>
Address <u>146 Richards Lane</u>	Address <u>1 Bridge Street</u>
<u>Cameron, WV 26033</u>	<u>Monongah, WV 26554</u>
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name _____
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Bayne Knitowski</u>	(c) Coal Lessee with Declaration
Address <u>PO Box 108</u>	Name _____
<u>Gorman, WV 26720</u>	Address _____
Telephone <u>304-546-8171</u>	_____

TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverse side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.



Well Operator	<u>Consolidation Coal Company</u>
By:	<u>Jay Hores</u>
Its:	<u>Project Engineer</u>
Address	<u>6126 Energy Road</u>
	<u>Moundsville, WV 26041</u>
Telephone	<u>(304) 843-3565</u>

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Office of Oil and Gas

Subscribed and sworn before me this 23 day of November
Christian K Warfield Notary Public
 My Commission Expires June 10, 2024

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WV Department of
Environmental Protection

Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

12/03/2021

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U.S. Postal ServiceTM
CERTIFIED MAIL[®] RECEIPT
 Domestic Mail Only

For delivery information, visit our website at www.usps.com

OFFICIAL USE

Certified Mail Fee

Extra Services & Fees (check box, add fee as appropriate)

Return Receipt (hardcopy) \$ _____

Return Receipt (electronic) \$ _____

Certified Mail Restricted Delivery \$ _____

Adult Signature Required \$ _____

Adult Signature Restricted Delivery \$ _____

Postage \$ _____

Total Package and Fees \$ _____

Postmark Here

Sent to Joshua Richards

Street address, PO Box or APO/FPO No. 144 Richards Lane

City, State, ZIP+4[®] Cowen, WV 26033

PS Form 3800, April 2016 PSN 7530-02-000-9047 See Reverse for Instructions

M-1079

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12/03/2021

4705100605P

WW-9
(5/16)

API Number 47 - 051 - 00605
Operator's Well No. M-1079

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Consolidation Coal Company OP Code 10950

Watershed (HUC 10) Fish Creek Quadrangle Cameron, WV 7.5'

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes No

Will a pit be used? Yes No

If so, please describe anticipated pit waste: _____

Will a synthetic liner be used in the pit? Yes No If so, what ml.? _____

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- Underground Injection (UIC Permit Number _____)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain Tanks, See attached letter)

Will closed loop system be used? If so, describe: Yes, Gel circulated from tank thru well bore and returned to the tank

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. Gel or cement

-If oil based, what type? Synthetic, petroleum, etc. _____

Additives to be used in drilling medium? Bentonite, Bicarbonate of Soda

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Shaker cuttings buried on site

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) N/A

-Landfill or offsite name/permit number? N/A

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature Jay Hores

Company Official (Typed Name) Jay Hores

Company Official Title Project Engineer

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WV Department of Environmental Protection

Subscribed and sworn before me this 9th day of November, 2021

Christian Warfield

Notary Public

My commission expires June 10, 2024



OFFICIAL SEAL
STATE OF WEST VIRGINIA
NOTARY PUBLIC
Christian K Warfield
Murray American Energy Inc
6126 Energy Road
Moundsville WV 26041

My Commission Expires June 10, 2024

**AMERICAN CONSOLIDATED NATURAL
RESOURCES & WEST VIRGINIA LAND
RESOURCES**

**AMERICAN CONSOLIDATED
NATURAL RESOURCES & WEST
VIRGINIA LAND RESOURCES**

46226 National Road
St. Clairsville, OH 43950

phone: 304.843.3565

fax: 304.843.3546

e-mail: JayHores@acnrinc.com

JAY HORES

Project Engineer

November 9, 2021

Department of Environmental Protection
Office of Oil and Gas
601-57th Street
Charleston, WV 25320

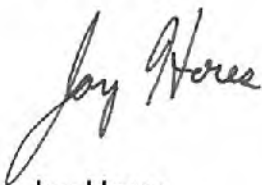
To Whom It May Concern,

As per the Division of Environmental Protection, Office of Oil and Gas request, Consolidation Coal Company submits the following procedures utilizing pit waste.

Upon submitting a well work application (without a general permit for Oil & Gas Pit Waste Discharge Application), Consolidation Coal Company will construct no pits, but instead will use mud tanks to contain all drilling muds.

Once the well is completed, that material (minus the cave material) will be trucked to the next well to be plugged or to DEP facilities number U-0033-83, O-1001-00, U-1035-91U-46-84, U-78-83, O-1044-9, or U-100-83.

Sincerely,



Jay Hores
Project Engineer

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Proposed Revegetation Treatment: Acres Disturbed 1 Prevegetation pH _____

Lime 3 Tons/acre or to correct to pH 6.0

Fertilizer type 10-20-20 or equivalent

Fertilizer amount 500 lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

Temporary

Permanent

Seed Type lbs/acre

Seed Type lbs/acre

Seed Mix in accordance with WVDEP Oil and Gas, Erosion and Sediment Control Field Manual

Seed Mix in accordance with WVDEP Oil and Gas, Erosion and Sediment Control Field Manual

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, provide water volume, include dimensions (L, W, D) of the pit, and dimensions (L, W), and area in acres, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: *Gayne J. Kuitowski*

Comments: _____

Reclaim well site ASAP

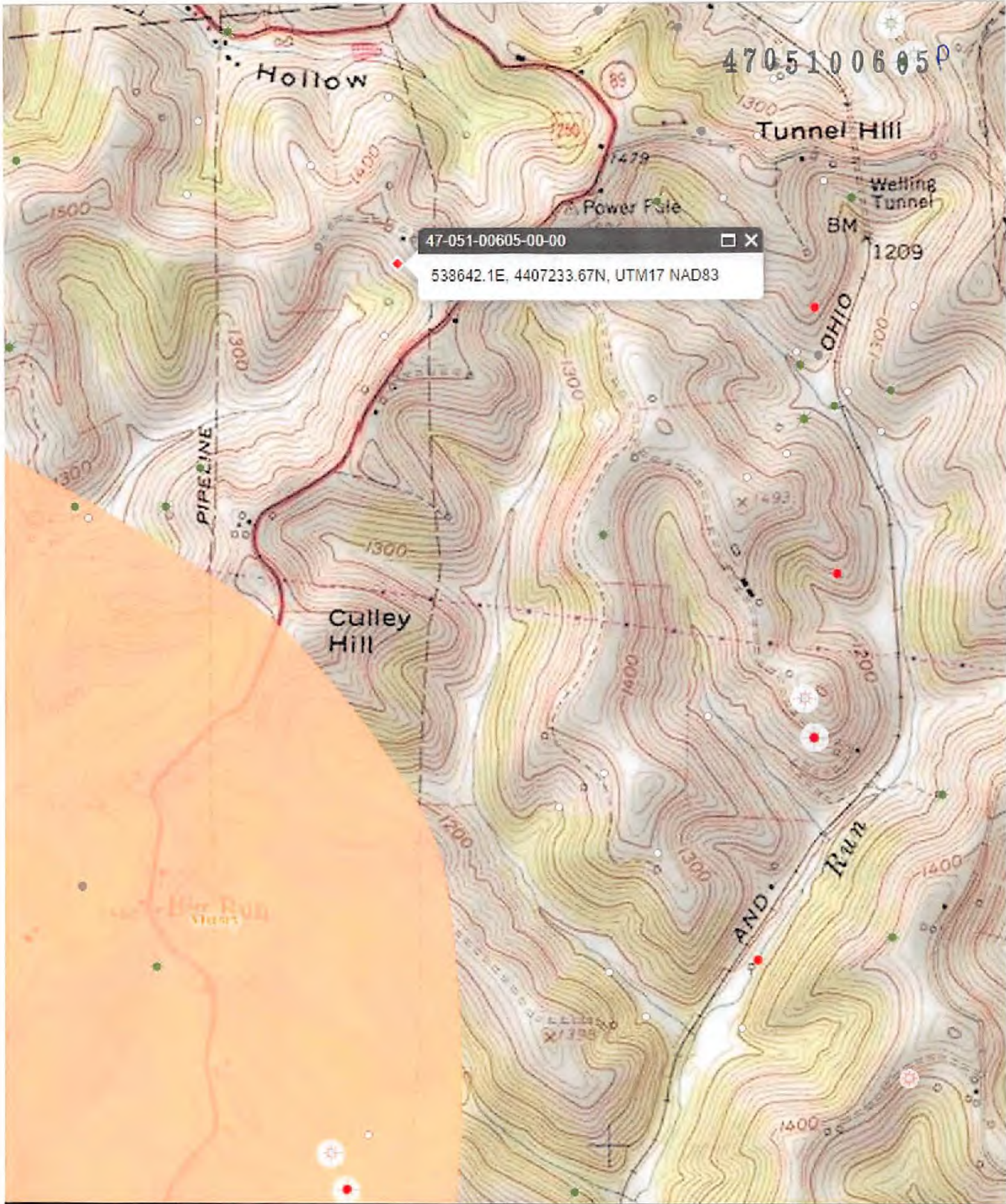
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Title: Inspector Date: 11-15-2021

Field Reviewed? (X) Yes () No



WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas
WELL LOCATION FORM: GPS

API: 47-051-00605 WELL NO.: M-1079
 FARM NAME: Richards
 RESPONSIBLE PARTY NAME: Consolidation Coal Company
 COUNTY: Marshall DISTRICT: Liberty
 QUADRANGLE: Cameron, WV 7.5'
 SURFACE OWNER: Laticha M. Richards et al
 ROYALTY OWNER: _____
 UTM GPS NORTHING: 4407233.67 (1425')
 UTM GPS EASTING: 538642.10 GPS ELEVATION: 434.68

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS : Post Processed Differential _____
 Real-Time Differential

Mapping Grade GPS _____ : Post Processed Differential _____
 Real-Time Differential _____

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4. **Letter size copy of the topography map showing the well location.**

I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

Jeff A. Morgan
Signature

Well Permitting Manager

Title

22 March 2019

Date

12/03/2021



Stansberry, Wade A <wade.a.stansberry@wv.gov>

Plugging Well Work Permit (API: 47-051-00587)

1 message

Stansberry, Wade A <wade.a.stansberry@wv.gov>

Tue, Nov 30, 2021 at 1:56 PM

To: Jay Hores <jayhores@coalsource.com>, David Roddy <davidroddy@coalsource.com>, Eric Buzzard <ebuzzard@marshallcountywv.org>, "Knitowski, Gayne J" <e026012@wv.gov>

I have attached a copy of the newly issued well [permit](#) numbers:






47-051-00587 - 3223
47-051-00605 - M-1079
47-051-01572 - M-1671
47-051-02419 - M-1082
47-051-02420 - M-1598

This will serve as your copy.

If you have any questions, then [please](#) contact us here at the Office of Oil and Gas.
Thank you,

Wade A. Stansberry
Environmental Resource Specialist 3
West Virginia Department of Environmental Protection
Office of Oil & Gas
601 57th St. SE
Charleston, WV 25304
(304) 926-0499 ext. 41115
(304) 926-0452 fax
Wade.A.Stansberry@wv.gov

5 attachments

-  **IR-8 Blank.pdf**
183K
-  **47-051-00587 - Copy.pdf**
1234K
-  **47-051-00605 - Copy.pdf**
1072K
-  **47-051-01572 - Copy.pdf**
1063K
-  **47-051-02419 - Copy.pdf**
1127K

12/03/2021