



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

Austin Caperton, Cabinet Secretary
www.dep.wv.gov

Thursday, April 2, 2020
WELL WORK PLUGGING PERMIT
Vertical Plugging

PEOPLES GAS WV LLC
375 NORTH SHORE DRIVE SUITE 600

PITTSBURGH, PA 15212

Re: Permit approval for 5051
47-049-00444-00-00

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: 5051
Farm Name: MICHAELS, EVA
U.S. WELL NUMBER: 47-049-00444-00-00
Vertical Plugging
Date Issued: 4/2/2020

Promoting a healthy environment.

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.
4. This well is under a consent order and must be plugged under the terms of that agreement.

RECEIVED
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WV Department of
Environmental Protection13" 16'
10" 487'
8 1/4" 1361'
6 5/8" 1770'Well Plugging Procedures for
Peoples Gas #5051
API #47-49-00444

1. Move in, rig up. Blow down well to pit.
 2. Run in hole with sound line and check T.D. (approx.. 2913'). Notify Inspector of TD.
 3. Attempt to release 3" packer; if doesn't come loose; notify state.
 4. Load hole with water and run bond log in 3"; located packer and free point of 3" casing. Notify inspector of bond log results.
 5. Perforate 3" casing as inspector may direct.
 6. Trip in hole with 1 1/2" cement string and set cement plug #1 from TD to top of packer. WOC
 7. Tag cement top; make sure at top of packer; if not reset plug.
 8. Shoot 3" at top of packer and pull 3" casing.
 9. Trip in hole with 1 1/2" cement string and set cement plug #2 from TOC to 1810'.
 10. Run bond long on 6-5/8 casing to determine free point; contact state inspector.
 11. Perforate and cement any 6-5/8 casing below free point as directed by state inspector.
 12. Shoot and pull all free 6-5/8 casing.
 13. TIH w/ cement string; cement to surface in 750' increments.
 14. Set monument, move off, reclaim.
 15. Any casing left in hole shall be perforated and Class A cement plugs set so as to cover fresh water, salt water, or oil and gas shows as directed by state inspector.
- 1913 well-limited to no well records. All procedures subject to change and approval by DEP Inspector.

47-049-00444P

WW-4B
Rev. 2/01

- 1) Date _____, 20____
- 2) Operator's
Well No. 5051
- 3) API Well No. 47-49

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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 X or Underground storage ____) Deep ____ / Shallow ____

5) Location: Elevation ≈ 1280' Watershed West Fork
District Lincoln County Marion Quadrangle Shinnston

6) Well Operator <u>Peoples Gas WV, LLC</u>	7) Designated Agent <u>Brett Hoover</u>
Address <u>375 North Shore Drive</u>	Address <u>375 North Shore Drive</u>
<u>Pittsburgh, PA 15212</u>	<u>Pittsburgh, PA 15212</u>

8) Oil and Gas Inspector to be notified	9) Plugging Contractor
Name <u>Sam Ward</u>	Name <u>Contractor Services Inco of WV</u>
Address <u>P.O. Box 2327</u>	Address <u>929 Charleston Road</u>
<u>Buckhannon, WV 26201</u>	<u>Spencer, WV 25276</u>

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

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

Work order approved by inspector SAM WARD Date 4/2/2020
by jmm

47-049-00444 P

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WW-4A
Revised 6-07

1) Date: _____
2) Operator's Well Number
#5051
3) API Well No.: 47 - 49

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>Nick V. Demus Jr. & Merelyn V. Demus</u>	Name _____
Address <u>P.O. Box 263</u>	Address _____
<u>Worthington, WV 26591</u>	
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Thomas w. Jarrett</u>
	Address <u>1333 Lake Dr.</u>
	<u>Daniels, WV 25832</u>
(c) Name _____	Name _____
Address _____	Address _____
6) Inspector <u>Sam Ward</u>	(c) Coal Lessee with Declaration
Address <u>P.O. Box 2327</u>	Name _____
<u>Buckhannon, WV 26201</u>	Address _____
Telephone <u>304-389-7583</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 reverses 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 Peoples Gas WV LLC
 By: [Signature]
 Its: Director, Operations Technology
 Address 375 North Shore Drive
Pittsburgh, PA 15212
 Telephone 412-559-9646

COMMONWEALTH OF PENNSYLVANIA
 NOTARIAL SEAL
 Janice A. Saltzman, Notary Public
 Wilkensburg Boro, Allegheny County
 My Commission Expires Oct. 28, 2020
 MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

Subscribed and sworn before me this 12TH day of March, 2020
Janice A. Saltzman Notary Public
 My Commission Expires 10-28-2020

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 depprivacyoffier@wv.gov.

WW-4B

API No. 4749-0444 P
Farm Name Evans Michaels
Well No. #5051

**INSTRUCTIONS TO COAL OPERATORS
OWNERS AND LESSEE**

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Office of Oil and Gas
MAR 18 2020
WV Department of
Environmental Protection

The well operator named on the obverse side of WW-4 (B) is about to abandon the well described in the enclosed materials and will commence the work of plugging and abandoning said well on the date the inspector is notified. Which date shall not be less than five days after the day on which this notice and application so mailed is received, or in due course should be received by the Department of Environmental Protection Office of Oil & Gas.

This notice and application is given to you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of the Code and given in detail on obverse side of this application.

NOTE: If you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner, or Lessee for plugging" prior to the issuance of this plugging permit.

WAIVER

The undersigned coal operator _____ / owner _____ / lessee _____ / of the coal under this well location has examined this proposed plugging work order. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: _____

By: _____

Its _____

*No known operator, owner,
or lessee of workable
coalbed/ seam on this tract.*

47-099-00444P

WW-9
(5/16)

API Number 47 - 49 - 00444
Operator's Well No. 11 5251

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

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MAR 18 2020
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Operator Name Peoples Gas, WV LLC OP Code 494514440
Watershed (HUC 10) West Fork Quadrangle Shinnston
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) to permitted disposal facility TBD
- Other (Explain _____)

Will closed loop system be used? If so, describe: N/A

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. N/A

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

Additives to be used in drilling medium? N/A

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. N/A

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

-Landfill or offsite name/permit number? _____

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 [Signature]

Company Official (Typed Name) Brett Hoover

Company Official Title Director, Operations Technology

Subscribed and sworn before me this 12th day of March, 20 20

[Signature]

Notary Public COMMONWEALTH OF PENNSYLVANIA

My commission expires 10-28-2020

NOTARIAL SEAL
Janice A. Saltzman, Notary Public
Wilkesburg Boro, Allegheny County
My Commission Expires Oct. 28, 2020
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

Proposed Revegetation Treatment: Acres Disturbed .5 Prevegetation pH 5.5

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer type _____

Fertilizer amount 0.25 lbs/acre

Mulch Hay 2 Tons/acre

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Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Orchard Grass	25	Ladino Clover [^]	5
Red Top Clover	15	KY 31	40
_____	_____	_____	_____

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: _____

Comments: _____

Title: _____ Date: _____

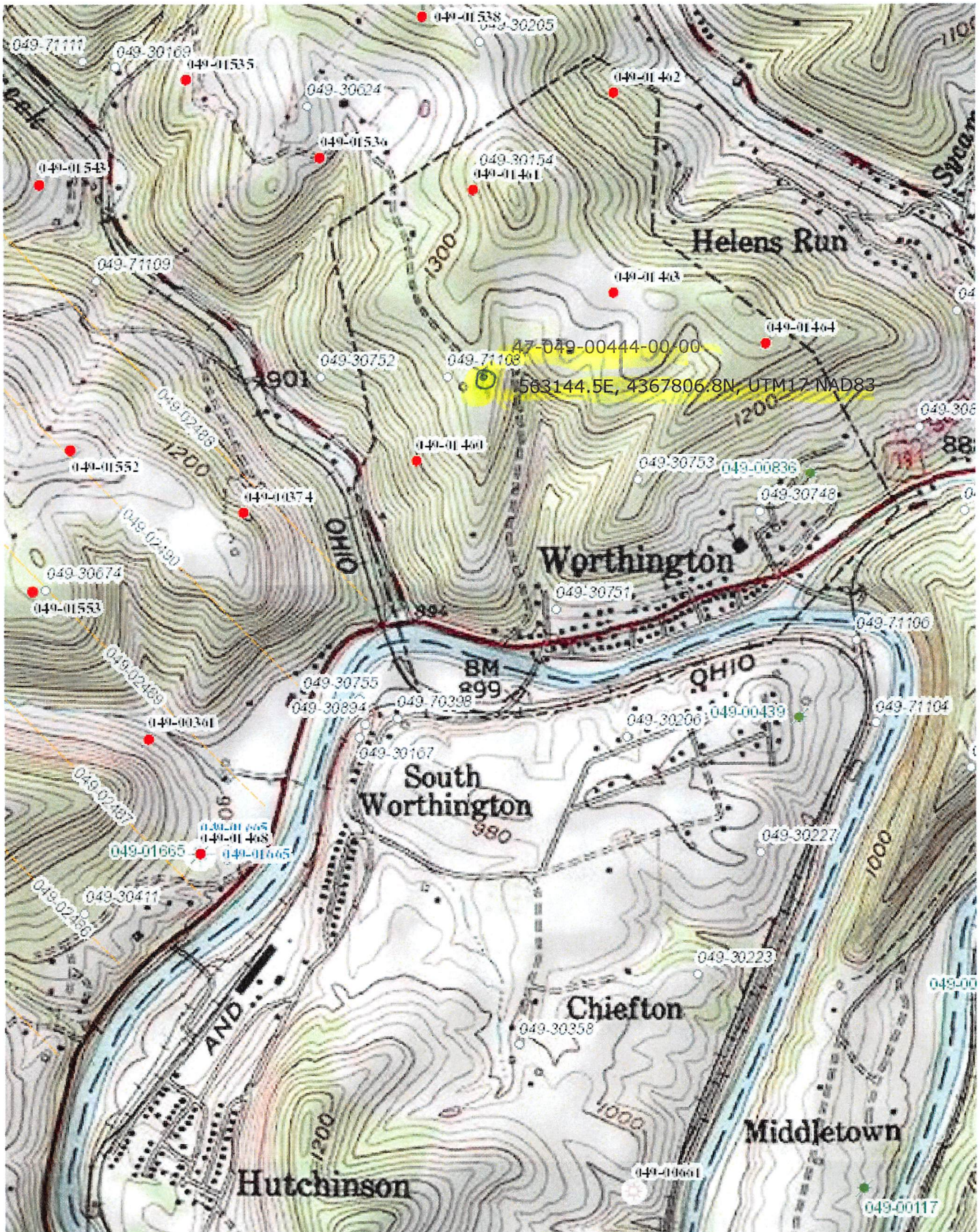
Field Reviewed? () Yes () No

47-019-00444P



47-049-00944P





WW-7
8-30-06



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

API: 47-49-00444 WELL NO.: #5051

FARM NAME: Eva Michaels

RESPONSIBLE PARTY NAME: Peoples Gas WV, LLC

COUNTY: Marion DISTRICT: Lincoln

QUADRANGLE: Shinnston

SURFACE OWNER: Nick Demus Jr. & Merelyn V. Demus

ROYALTY OWNER: Sheila Lightfoot & Tina M. Fischer

UTM GPS NORTHING: 4367806.77

UTM GPS EASTING: 563144.49 GPS ELEVATION: N/A (1280')

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 X: Post Processed Differential _____
Real-Time Differential _____

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.

[Signature]
Signature

Land Manager
Title

3/30/20
Date

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