



west virginia department of environmental protection

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

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

January 02, 2015

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-6101357, issued to NOUMENON CORPORATION, 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 all 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. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalties being imposed upon the operator.

This permit will expire in two (2) years from date of issue. If there are any questions, please free to contact me at (304) 926-0499 ext. 1654.



James Martin
Chief

Operator's Well No: 3B4
Farm Name: CONSOL, COAL
API Well Number: 47-6101357
Permit Type: Plugging
Date Issued: 01/02/2015

Promoting a healthy environment.

01/02/2015

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.

6101357A

WW-4B
Rev. 2/01

1) Date August 12, 20 14
2) Operator's
Well No. 3B4
3) API Well No. 47-061 - 01357-C

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 311 meters Watershed Monongahela River
District Clay County Monongalia Quadrangle Blacksville

6) Well Operator Noumenon Corporation 7) Designated Agent Lonnie Atkins
Address 2461 Mason Dixon Hwy Address 2461 Mason Dixon Hwy
Core, WV 26541 Core, WV 26541

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Gayne Knitowski Name Noumenon Corporation
Address P.O. Box 108 Address 2461 Mason Dixon Hwy
Gormaniam, WV 26720 Core, WV 26541

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

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Office of Oil and Gas

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 Knitowski Date 8/27/2014

01/02/2015

Affidavit

I, Russell L. Bolyard hereby affirm that on the August the 19th, 2014 I personally visited Coal Bed Methane Well Site 47-061-01357-C, Well #3B4 and verified its location and that I visually confirmed that to the best of my knowledge the well casing was cemented in to the surface.

Russell L Bolyard
Russell L. Bolyard

INDIVIDUAL ACKNOWLEDGMENT

State of: West Virginia
County of: Monongalia

On this, the 29th, October, 2014, before me, a notary public, personally appeared Russell L. Bolyard known to me (or satisfactorily proven) to be the person whose name he subscribed to the within instrument, and acknowledged that he executed the same for the purposes therein contained.

In witness whereof, I hereunto set my hand and official seal.

Lois A. Brown
Notary Public

My commission expires: August 22, 2017



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OCT 30 2014

WV Department of
Environmental Protection

WW-4B
Application for Permit to Plug or Abandon
Section 10-Work Order

API Well No: 47-061-01357-C

Operator Well #: 3B4

Well History: Well 3B4 which was converted in 1998 to a Coal Bed Methane recovery well, previously the well had been installed as a Degas/Ventilation hole to support deep mining operations of the CONSOL Humphrey No. 7 Mine which was located in the Pittsburgh coal seam. According to Mr. Roger Duckworth, 37 Sand Plant Rd, Worthington, WV 26591 who was employed by CONSOL for many years and whose primary responsibility was to manage the DeGas development operations within the mine area the following procedures were used to construct the Degas Wells: The wells were generally drilled to the Sewickley Coal seam or approximately 90-100 feet above the Pittsburgh coal seam. The holes were cased and cemented in with solid steel pipe of varying diameters through the Waynesburg coal seam. Below the Waynesburg coal a slotted steel pipe was installed to the Sewickley Coal Seam. It was generally understood that the strata that broke above the mine due to subsidence would typically roofed out in or around the Sewickley Horizon this allowed the methane gas to then vent through the holes and the slotted pipe helped maintain an open pathway to the surface if the strata shifted.

Casing Diameter: 5" **Casing Thickness:** ¼" **Casing Reported Depth:** 520.0'

Estimated Casing Weight: 7,602 lbs. **Required lifting Capacity:** 11,403 lbs.



Casing Retrieval (35-4-13.6): Noumenon Corporation will make a reasonable effort to cut and pull all recoverable casing from the well. Noumenon Corporation proposes to use a Bucyrus-Erie 28L Spudder Rig or other similar type equipment with a lifting capacity of at least 150% the estimated weight of the casing to perform the extraction process. If the pipe can be removed it will be brought to the surface in manageable lengths and cut using a Hydraulic Cut off saw, the pipe will be stockpiled for later removal or loaded immediately onto a trailer for removal to the Noumenon supply yard or taken straight to a salvage yard. If the casing cannot be pulled with reasonable effort then the operator will make reasonable attempts to perforate the pipe and squeeze cement behind the pipe in the grouting process so as to prevent contamination of the fresh water zone.



Plugging Methods (35-4-14): The operator shall remove/bail all oils and or salt waters from the well prior to initiating the plugging process. The operator will install a bottom plug that is 100 feet thick from the base of the well using API Class A Portland Hydraulic Cement (with a Calcium Chloride content of 3% or less and no other additives) On top of the bottom plug the operator may install a Spacer plug of 6% Bentonite gel using a mixture rate of 100 lbs per 5bbl of water. The operator would then install a top or surface plug of cement as per the criteria mentioned above, a minimum of 100' feet below the surface. The Cement grout and bentonite gel shall be placed in the hole under pressure using a tremie tube and grout pump. No workable coal seams lie above the Sewickley coal seam.

Plugging and Well Records (35-4-12.1): The operator and or contractor hired to perform the plugging shall maintain a log or records of such detail that the entries and related data on Form WR-38 "Affidavit of Plugging and Filling Well" can be completed. The WR-38 shall reflect all data discovered or changes made after the permitted well work has been finished.

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Reclamation of the Site: Upon completion of the well plugging all equipment, piping and other debris from the plugging operation shall be removed from the site. All disturbance created by the plugging or access to the well site shall be reclaimed and vegetated to prevent erosion and sedimentation. The operator shall use utilize WV Department of Environmental Protections Best Management Practices as the criteria for Erosion and Sediment Control and revegetation.

Monument: Upon completion of the site reclamation and in conjunction with the closure of the well the operator shall install a monument in accordance with 35-4-(5) (b) and as follows:

1. The monument shall be made of steel pipe.
2. The diameter shall be 6"
3. The pipe shall be imbedded into the well head 10 feet below the surface level and protrude 30" above the ground surface.
4. The pipe shall be sealed with concrete cement.
5. The API Number shall painted onto the pipe in 1/2" height numbering.

Responsible Parties: The operator, contractors and drillers including all service companies are directed that they shall comply with WV Code 22-6

★ 5" CASING DOES NOT NEED TO BE PULLED OR PERFORATED IF IT IS CEMENTED TO SURFACE.

JMM

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6101357A

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
COALBED METHANE PERMIT APPLICATION

- 1) Well Operator: Noumenon Corporation 2) Well Name 3B4
- 3) Operator's Well Number 3B4 4) Elevation 1030'
- 5) Well Type: (a) Oil / or Gas / CBM X /
(b) If Gas: Production / Underground Storage /
Deep / Shallow /
- 6) Proposed Target Formation(s): N/A
- 7) Proposed Total Depth: 305' feet As determined by wire line - 1998
- 8) Approximate Fresh Water Strata Depths: 90'
- 9) Approximate Salt Water Depths: Unknown
- 10) Approximate Coal Seam Depths: Pittsburgh 410' - See Attachment
- 11) Does Land Contain Coal Seams Tributary to Active Mines? Yes / No X /
- 12) (a) Proposed Well Work: Conversion to CBM Well
(b) If Stimulation Proposed, Describe Means to be Used to Stimulate Well: NA
- 13) (a) Does the proposed operation plan to convert an existing well (as defined in W. Va. Code § 22-6-1) or a vertical ventilation hole to a coalbed methane well? Yes / No /
(b) If yes, please attach to this Application a list of all formations from which production is anticipated and a description of any plans to plug any portion of the well.
- 14) (a) Will the proposed coalbed methane well be completed in some but not all coal seams for production (except for a gob well or vent hole proposed to be converted to a well)?
Yes / No /
(b) If yes, please attach to this Application a plan and design for the well which will protect all workable coal seams which will be penetrated by the well.
- 15) (a) Does the proposed operation include horizontal drilling of a well commenced on the surface? Yes / No X /
(b) If yes, please attach to this Application a description of such operations, including both the vertical and horizontal alignment and extent of the well from the surface to total depth.

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For Drilling	
Conductor	5"				520'
Fresh Water					
Coal					
Intermediate					
Production					
Tubing					
Liners					

PACKERS:

For Office of Oil and Gas Use Only

Fee(s) paid:
 Well Work Permit
 Reclamation Fund
 WPCP
 Plat
 WW-9
 WW-5B
 Bond _____
 Agent
 (Type)

ATTACHMENT WW-5B-10

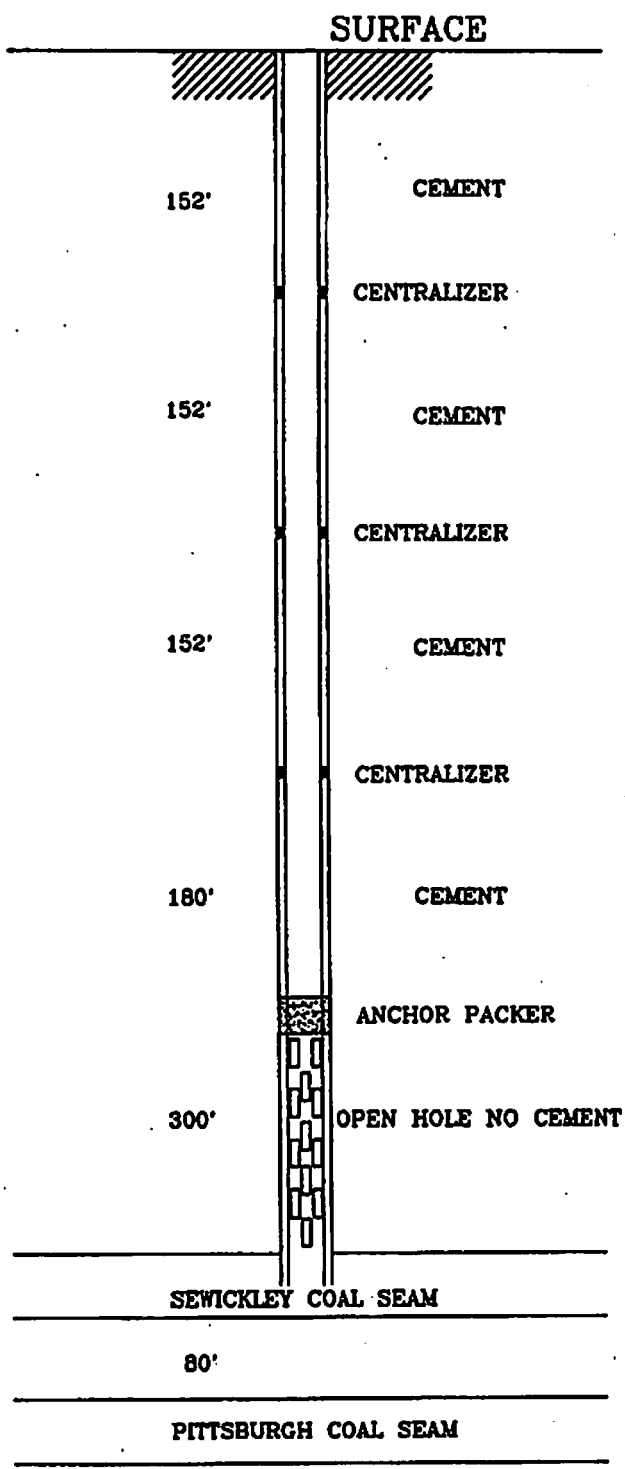
Well # 3B4Approximate Pittsburgh coal elevation: 410'Approximate surface elevation: 1030'

Within 750 horizontal feet and 100 vertical feet of the Pittsburgh coal seam, there are no workable coal seams due to the thickness, quality, and marketability as per the WV Geological Survey Reports of 1913 for Monongalia County.

According to the WV Geological Report, the General Interval for the coal seams located above the Pittsburgh coal seam are:

Washington	510 feet	approximate thickness 2.0
Waynesburg-A	420 feet	approximate thickness 2.0
Waynesburg	360 feet	approximate thickness 5.0
Sewickley	100 feet	approximate thickness 5.0
Redstone	25 feet	approximate thickness 2.0

There is no known commercial development of these seams in the area of the Coalbed Methane Well.



DEPTH - VARIES
DIAMETER - VARIES
3/4" CASING THICKNESS

TYPICAL BOREHOLE PLAN
FOR ALL
DEGASIFICATION BOREHOLES

NOT TO SCALE

MFN - 338-D

61013578



Office of Oil and Gas
#10 McJunkin Road
Nitro, West Virginia 25143-2506
304-759-0514
304-759-0529

West Virginia Division of Environmental Protection

Cecil H. Underwood
Governor

Michael P. Miano
Director

14-May-99

NOUMENON CORPORATION, a W.VA. CORP.
STEPHAN K. SHUMAN
P. O. BOX 479
DELLSLOW, WV
26531-0000

Re: Well No. 3B4
API No. 47- 61-01357 C

Dear STEPHAN K. SHUMAN:

Enclosed is a well work permit which was issued 05/14/99 and applicable forms to be completed for reporting purposes during the well work activity. Please be advised that form WR-35, well operator's report of well work, is to be submitted to this office within 90 days of completion of drilling, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable.

Should stimulation still be required for the well, a disclaimer for such should be add to WR-35, and a revised WR-35 completed and submitted upon completion of the stimulation.

If there are any questions, please feel free to contact me at 304-759-0517 or Mr. Jamie Stevens at 304-759-0518.

Sincerely,
Ava C. Zintz, CHIEF

Ava C. Zintz
Office of Oil and Gas

OFFICE OF OIL AND GAS

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SEP 16 2014

WV Department of
Environmental Protection

"To use all available resources to protect and restore West Virginia's environment in concert with the needs of present and future generations."



West Virginia
Division of
Environmental Protection

01/02/2015

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

WELL WORK PERMIT

This permit, issued to NOUMENON CORPORATION, a W.VA. CORP. 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 all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector RANDAL MICK at 304-288-4600 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 1-800-654-3312 and to the Oil and Gas inspector.

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.

This permit shall expire within two (2) years from the issue date.

Ava C. Zeitz, CHIEF

Ava C. Zeitz
Chief OFFICE OF OIL AND GAS
Office of Oil and Gas

Date of Signature: 5-18-99

Operator's Well No: 3B4

Farm Name: CONSOL. COAL

API Well Number : 61-01357-C

Date Issued : 5-14-99

Expires two (2) years from issue date

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SEP 16 2014
WV Department of
Environmental Protection

6101357A

WR-35

14-May-99
API # 47- 61-01357 C

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas
Well Operator's Report of Well Work

Farm name: CONSOL. COAL Operator Well No.: 3B4

LOCATION: Elevation: 1,030.00 Quadrangle: BLACKSVILLE

District: CLAY County: MONONGALIA
Latitude: 9065 Feet South of 39 Deg. 42Min. 30 Sec.
Longitude 4475 Feet West of 80 Deg. 10 Min. 0 Sec.

Company: NOUMENON CORPORATION, a W
P. O. BOX 479
DELLSLOW, WV 26531-0000

Agent: STEPHAN K. SHUMAN

Inspector: RANDAL MICK
Permit Issued: 05/14/99
Well work Commenced: _____
Well work Completed: _____
Verbal Plugging _____
Permission granted on: _____
Rotary _____ Cable _____ Rig
Total Depth (feet) _____
Fresh water depths (ft) _____
Salt water depths (ft) _____

Is coal being mined in area (Y/N)? _____
Coal Depths (ft): _____

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.

OPEN FLOW DATA

Producing formation _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ 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 _____ psig (surface pressure) after _____ Hours

Second producing formation _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow RECEIVED Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

SEP 16 2014
Office of Oil and Gas
Environmental Protection

For: NOUMENON CORPORATION, a W.VA. CORP.
By: _____
Date: _____

6101357A

WW-4A
Revised 6-07

1) Date: August 12th, 2014
2) Operator's Well Number
3B4
3) API Well No.: 47 - 061 - 01357-C

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>CONSOL Energy Inc</u>	Name <u>Murray Energy Corporation</u>
Address <u>46226 National Road</u>	Address <u>46226 National Road</u>
<u>St. Clairsville, OH 43950</u>	<u>St. Clairsville, OH 43950</u>
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name _____
	Address _____
(c) Name _____	Name _____
Address _____	Address _____
6) Inspector <u>Gayne Knitowski</u>	(c) Coal Lessee with Declaration
Address <u>P.O. Box 108</u>	Name _____
<u>Gormanian, 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 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.



OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
RUSSELL L. BOLYARD
11 Monument Lane, Morgantown, WV 26508
My Commission Expires August 25, 2019

Well Operator Noumenon Corporation
 By: [Signature]
 Its: President
 Address 2461 Mason Dixon Hwy
Core, WV 26541
 Telephone (304) 296-5460

Subscribed and sworn before me this 25th day of August
Russell L. Bolyard Notary Public
 My Commission Expires August 25th, 2019

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Office of Oil and Gas
SEP 16 2014

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.

01/02/2015

6101357P

U.S. Postal Service™
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 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com.
 SAINT CLAIRSVILLE OH 43950

OFFICIAL USE

Postage	\$ 3.08	0890	
Certified Fee	\$3.30	03	
Return Receipt Fee (Endorsement Required)	\$2.70		Postmark Here
Restricted Delivery Fee (Endorsement Required)	\$0.00		
Total Postage & Fees	\$ 9.08		08/26/2014

Sent to
 Consol Energy Inc
 Street, Apt. No.,
 or PO Box No. 46226 National Rd
 City, State, ZIP+4
 St. Clairsville, OH 43950

PS Form 3800, August 2009 See Reverse for Instructions

7010 1670 0000 4944 1273

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input checked="" type="checkbox"/> Rick Hess <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) Rick Hess</p> <p>C. Date of Delivery AUG 26 2014</p> <p>D. Is delivery address different from item 1? If YES, enter delivery address below.</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>1. Article Addressed to:</p> <p>CONSOL ENERGY INC 46226 NATIONAL RD SAINT CLAIRSVILLE, OH 43950</p>	<p>3. Service Type</p> <p><input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Priority Mail Express™ <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> Collect on Delivery</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>

2. Article Number (Transfer from service label) 7010 1670 0000 4944 1273

PS Form 3811, July 2013 Domestic Return Receipt



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 Department of Energy, Oil and Gas
 Aug 18 2014

WV Department of Environmental Protection

01/02/2015

6101357P

7010 1670 0000 4944 1358

U.S. Postal Service
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(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com
SAINT CLAIRSVILLE OH 43950

Postage	\$ 5.80	0890
Certified Fee	\$ 3.30	03
Return Receipt Fee (Endorsement Required)	\$ 2.70	Postmark Here
Restricted Delivery Fee (Endorsement Required)	\$ 0.00	
Total Postage & Fees	\$ 11.80	08/26/2014

Sent To Murray Energy Corporation
 Street, Apt. No. or PO Box No. 46226 National Rd
 City, State, ZIP+4 St. Clairsville OH 43950

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:
Murray Energy Corporation
46226 National Rd
St. Clairsville, OH
43950

2. Article Number
 (Transfer from service label) 7010 1670 0000 4944 1358

COMPLETE THIS SECTION ON DELIVERY

A. Signature Rick Hess Agent Addressee
 B. Received by (Printed Name) R. Kites
 C. Date of Delivery SEP 10 2014

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

3. Service Type
 Certified Mail® Priority Mail Express™
 Registered Return Receipt for Merchandise
 Insured Mail Collect on Delivery

4. Restricted Delivery? (Extra Fee) Yes



PS Form 3811, July 2013

Domestic Return Receipt

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 WV Department of Environmental Protection
 SEP 10 2014

01/02/2015

6101357P

WW-9
Rev. 5/08

Page 1 of 1
API Number 47 - 061 - 01357-C
Operator's Well No. 3B4

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

CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Name Noumenon Corporation OP Code _____

Watershed Monongahela Quadrangle Blacksville

Elevation 311 meters County Monongalia District Clay

Description of anticipated Pit Waste: Not Applicable

Will a synthetic liner be used in the pit? _____

ANY WELL EFFLUENT MUST
BE CONTAINED IN TANKS AND
DISPOSED OF PROPERLY.

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- Underground Injection (UIC Permit Number _____)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain _____)

JMM

Proposed Work For Which Pit Will Be Used:

- Drilling Swabbing
- Workover Plugging
- Other (Explain _____)

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, 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 _____

Company Official (Typed Name) Stephen K. Shuman

Company Official Title President

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Office of Oil and Gas

Subscribed and sworn before me this 25th day of August, 2014

SEP 16 2014

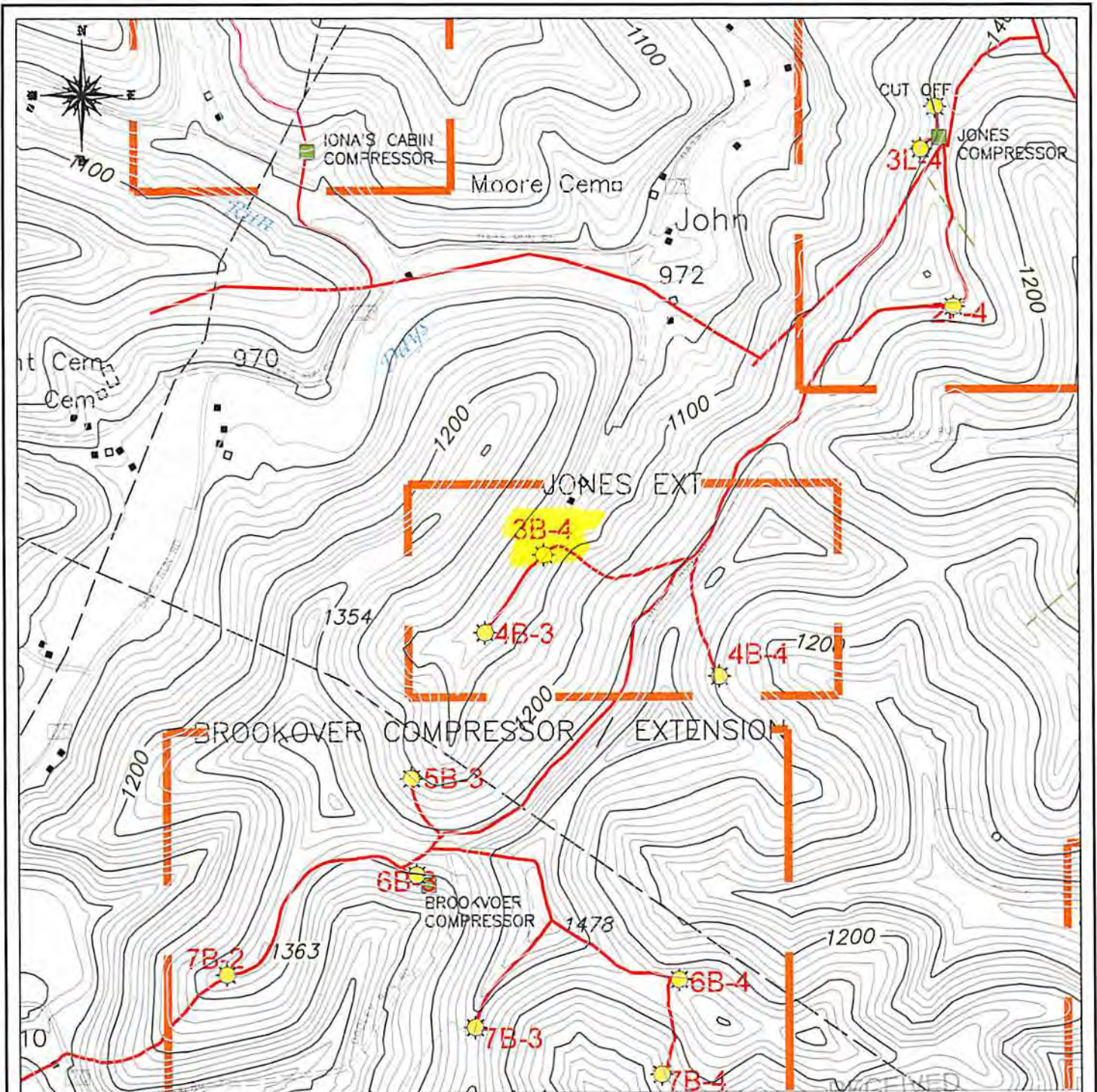
Russell L Bolyard

WV Department of
Notary Public Environmental Protection

My commission expires August 25th, 2019






01/02/2015



LEGEND

GAS WELL
 UTM ZONE 17 S
 EASTING: 570,093.38
 NORTHING: 4,392,924.18
 ELEVATION: 311 M

SURVEYED CBM WELL LOCATION 
 NON-SURVEYED CBM WELL LOCATION 
 GAS LINE 
 0 FT 1000 FT 2000 FT

LOCATION MAP

NOUMENON CORPORATION
 2461 MASON DIXON HIGHWAY
 CORE, WV 26541
 API WELL NO.: 47-061-1357-C
 OPERATOR'S WELL NO. 384

CLAY DISTRICT - MONONGALIA COUNTY, WV
 7.5 MINUTE SERIES - 20' CONTOUR INTERVAL
 BLACKSVILLE, WV TOPO QUAD

6101357A

WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-061-01357-C WELL NO.: 3B4

FARM NAME: CONSOL Energy Inc

RESPONSIBLE PARTY NAME: Lonnie Atkins

COUNTY: Monongalia DISTRICT: Clay

QUADRANGLE: Blacksville

SURFACE OWNER: CONSOL Energy Inc

ROYALTY OWNER: CONSOL Energy Inc

UTM GPS NORTHING: 4392924.18

UTM GPS EASTING: 570093.38 GPS ELEVATION: 311 (1030')

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:

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

Survey grade GPS : Post Processed Differential

Real-Time Differential

Mapping Grade GPS : Post Processed Differential

Real-Time Differential

- 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

President
Title

8/25/2014
Date

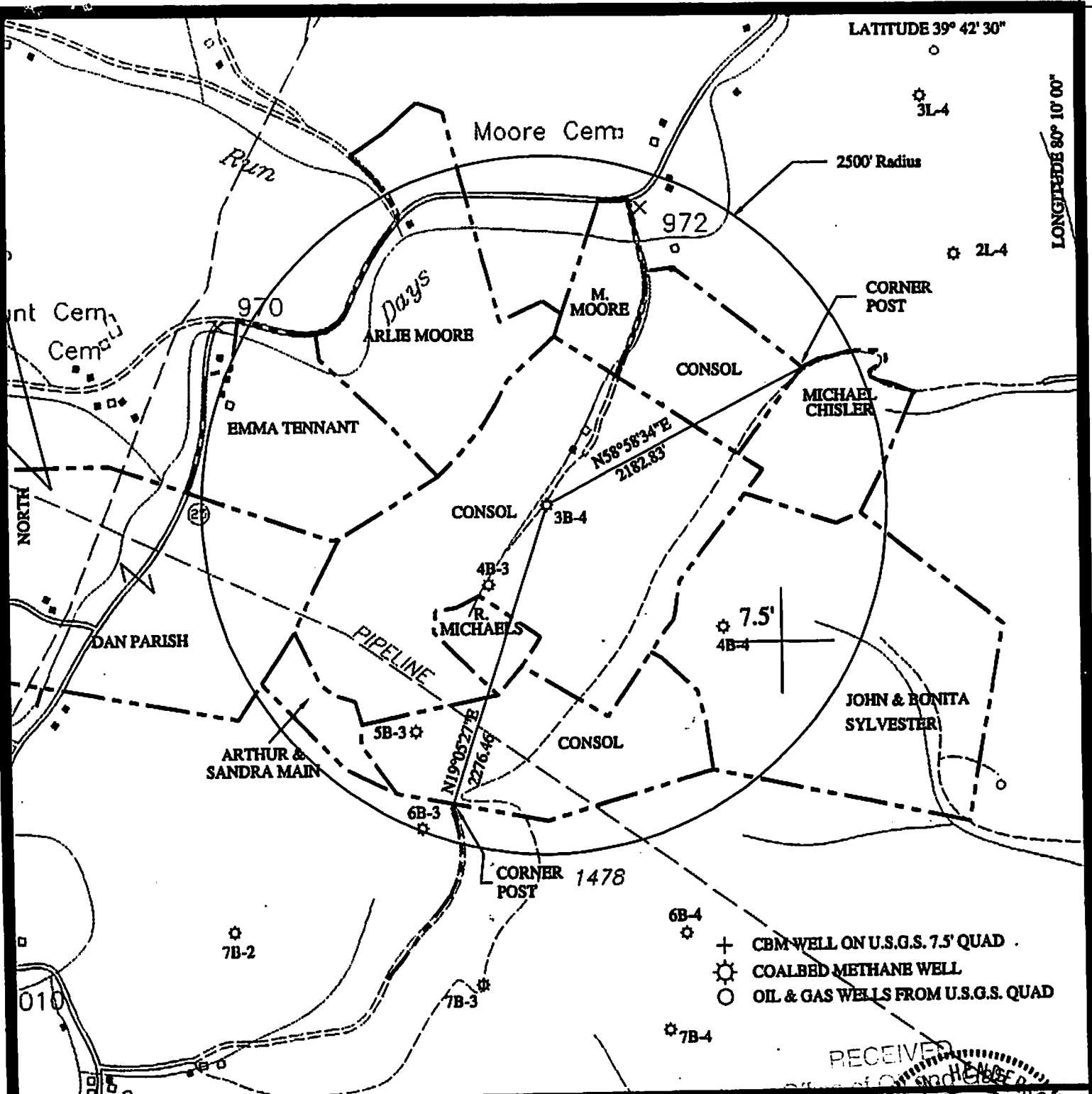
RECEIVED
Office of Oil and Gas
SEP 16 2014
WV Department of
Environmental Protection

6101357A

4,475'

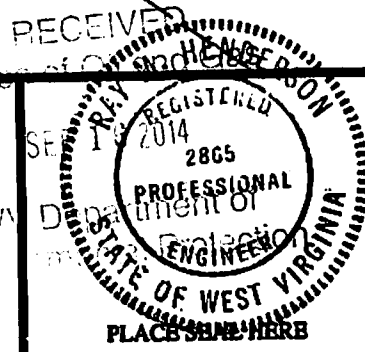
LATITUDE 39° 42' 30"

LONGITUDE 80° 01' 08"



FILE NO. MEN 40-0003
 DRAWING NO. LAYER: GW-3B4
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY SUB-METER GPS:
TRIMBLE XR-PRO DIFFERENTIAL GPS
 PROVEN SOURCE OF ELEVATION DIFFERENTIAL GPS

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT 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 DIVISION OF ENVIRONMENTAL PROTECTION
 (SIGNED) Ray M Henderson
 R.P.E. WV 2865 L.L.S.



STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OIL AND GAS DIVISION

DATE MARCH 5, 1998
 OPERATOR'S WELL NO. 3B-4
 API WELL NO. _____
47 - 061 - 1357-C
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1030.12' WATERSHED DAYS RUN
 DISTRICT CLAY COUNTY MONONGALIA
 QUADRANGLE BLACKSVILLE, WV-PA

SURFACE OWNER CONSOLIDATION ACREAGE 118.91 AC
 OIL & GAS ROYALTY OWNER SHUMAN, et al LEASE ACREAGE N/A
 COAL OWNER CONSOLIDATION LEASE NO. N/A

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY)
 PLUG AND ABANDON CLEAN OUT AND REPLUG

TARGET FORMATION PITTSBURGH ESTIMATED DEPTH 305'
 WELL OPERATOR NOUMENON DESIGNATED AGENT STEPHEN K. SHUMAN
 ADDRESS P.O. BOX 842 ADDRESS 256 HIGH STREET
MORGANTOWN, WV 26505 MORGANTOWN, WV 26505

MONONGALIA COUNTY NAME PERMIT

01/02/2018