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

June 16, 2016

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-6100778, 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 penalities 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: 1
Farm Name: TENNANT, ASA
API Well Number: 47-6100778
Permit Type: Plugging
Date Issued: 06/16/2016

6100778P

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.

G100778P

WW-4B
Rev. 2/01

1) Date April 11, 2016
2) Operator's Well No. 1-Asa Tennant
3) API Well No. 47- 061 - 00778

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 X

5) Location: Elevation 1008 Watershed Unnamed Trib.of Jakes Run
District Clay County Monongalia Quadrangle Blacksville, WV

6) Well Operator Noumenon Corporation
Address 2461 Mason Dixon Highway
Core, WV 26541

7) Designated Agent Lonnie Atkins
Address 2461 Mason Dixon Highway
Core, WV 26541

8) Oil and Gas Inspector to be notified
Name Gayne Knitowski (304-546-8171)
Address P.O. Box 108
Gormania, WV 26720

9) Plugging Contractor
Name Noumenon Corporation
Address 2461 Mason Dixon Highway
Core, WV 26541

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

See attached detailed Work Order

- MUST TRY TO REMOVE CASING. PULL ALL FREE CASING.
- MUST COORDINATE WITH INSPECTOR ABOUT PERFORATING OR RIPPING CASING COLLARS TO ENABLE CEMENT PLACEMENT IN OPEN ANNULI TO COVER NECESSARY STRATA.
- IF ENTIRE WELLBORE IS TO BE CEMENTED, LEAVE A MINIMUM OF ONE (1) 100' GEL SPACER.
- MUST FOLLOW ATTACHED WORK ORDER & EMAIL IN ADDITION TO THE ITEMS ON THIS SHEET. JWM

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MAY 16 2016
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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 5/11/2016

6100078P

McLaughlin, Jeffrey W

From: Lonnie Atkins <LonnieAtkins@hotmail.com>
Sent: Monday, June 13, 2016 12:07 PM
To: McLaughlin, Jeffrey W
Subject: Noumenon Corp.

Mr. Mclaughlin,

Per our telephone conversation, it is my intent to set a mechanical plug above any show of gas or oil. Then set 100' cement plug, gel spacer, cement up into casing at least 100' above casing shoe, gel spacer, then cement to surface. Coordinate with inspector as to whether or not perforating is necessary.

Thanks, Lonnie Atkins / Noumenon Corporation

4706100785 DR WRIGHT
4706100778 ASA TENNANT
4706100780 ELIZA TENNANT
4706100781 JM TENNANT
4706100782 MINOR TENNANT

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JUN 13 2016

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

API Well No: 47-061-00778

Operator Well #: 1-Asa Tennant

Well History: The Asa Tennant well was taken over by Noumenon Corporation in 1991 there was no well permits available for the site. Noumenon performed an extensive search of the WV Geological Survey's digital files as well as a site visit to Mount Chateau office where Senior Petroleum Geologist Philip A. Dinterman assisted in the search of records. The search did not discover any permit information however, Mr. Dinterman did find an archived Well Log book from J. H. McDermott Company that appears to contain a log of the Asa Tennant Well. The Well was listed as being drilled in the St. Luke Christian Church Lot The well log has been provided.

Site Preparation: Noumenon Corporation will utilize Best Management Practices (BMP) as outlined in the Erosion and Sediment Control Best Management Practice Manual 2006 published by the West Virginia Department of Environmental Protection, Division of Water and Waste Management to prevent and minimize impact from erosion and sedimentation due to activities on the well plugging site. BMP's will include but are not limited to: Rock Entrance on access roads, Silt Fence, Silt Socks and Wattles around the perimeter of the site, temporary culverts, rock crossings, upslope diversion ditches to move water around the site, and all other approved methods necessary to access the well site in a manner which minimizes environmental impact. All fluids removed from the well will be captured and stored in tanks. The fluids will be removed from the site and disposed of properly and the Noumenon Corporation facility at Core, WV All casing and materials removed from the well will be removed from the site and disposed of appropriately.

Surface Elevation: 1008.0 msl **Conductor:** 8 ¾" for 633'

Casing Diameter and Depth: 6 5/8" 1613 and 5 3/16" 1805

Casing Thickness: ¼" **Total Depth:** 1930 Tubing **Diameter:** 2"-1907

Tubing Removal: Noumenon Corporation prior to initiating the main casing removal and abandonment procedure will remove all production tubing from the well. The tubing will be stockpiles on trailers or in containers for delivery to the Noumenon storage yard or taken straight to a salvage yard for proper disposal.

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 cannot be pulled with reasonable force one of two actions will be taken. 1) Reasonable attempts will be taken to perforate the pipe to allow cement behind the pipe to prevent contamination of the freshwater zone. 2) Reasonable attempts will be made with a collar buster, or explosive charge to severe the string of pipe in the well. Then the pipe will be brought to the surface and cut into manageable lengths. 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.

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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 oil/water encountered and removed will be disposed at a certified landfill or disposal facility. The operator is proposing to set a mechanical ~~or electronic~~ plug immediately above the shot hole or below sea level elevation based on conditions encountered. The operator does not know how deep the well is so the actual depth will be determined as the casing is removed. Once the mechanical ~~or electronic~~ plug is set, a 100 cement plug will be placed, allowed to set, then tagged to verify depth before filling with API Class A Portland Hydraulic Cement (with a Calcium Chloride content of 3% or less and no other additives) should it become necessary and pending Inspector approval Aqua Gel or Hole Plug may also be used. The Cement grout shall be placed in the hole under pressure using a string of 1 ½ inch Tubing and cement pump. Previously, the Osage No. 1 mine operated by Consolidation Coal Company, (and now controlled by Murray Energy Incorporated) mined in the vicinity of this well in the Pittsburgh coal seam. The mine is considered worked out and abandoned. If a void is encountered in the mine a second plug will be set above the void where competent strata exist and the remaining portion of the well will be filled as described above. The Sewickley coal seam which lies approximately 120' above the Pittsburgh Coal seam is the only other known commercially mineable and marketable coal seam in the region. There has been no mining of the Sewickley coal in the area of the well site.

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.

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.

Soil Amendments and Revegetation Rates:

Lime: 2.0 tons/acre

Fertilizer: 600 lbs/acre of 10-20-20 or better

Temporary Seed Mixture		Permanent Seed Mixture	
Seed Type	**Lbs/acre**	**Seed Type**	**Lbs/acre**
Annual Rye	50	Gulf Annual Rye	24
		Perennial Rye	20
		Boreal Red Fescue	5
		Inert and Other Seed	1

Mulch: 2.0 tons/acre

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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 4"- 6"
3. The pipe shall be imbedded into the well head 10 feet below the surface level and protrude at least 30" above the ground surface.
4. The pipe shall be sealed with concrete cement.
5. The API Number shall welded onto the pipe in 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

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G100778P

Asa Tennant Well No. 1 47-061-00778

MAY 16 2016

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Oil **WELL RECORD**

The J.H.McDermott Oil **COMPANY**

Record of Well No. 1 on St.Luke Christian Church Lot Farm 1 Acres
Mooresville Field Clay District Monongalia County W.Va. State
Rig Commenced 19 Completed 19
Drilling Commenced September 20th. 19 15. Completed November 12th. 19 15
Cost Per Foot 1.20 Contractor S.N.McDermott Address Clarksburg,W.Va.
Drillers Names H.P.Hall & Amos Smith.

CONDUCTOR AND CASING USED IN DRILLING

Conductor	13 inch	10 inch	8 1-4 inch	6 5-8 inch	5 3-16 inch	4 inch	3 inch	2 inch
		545	1266	1613	1805			

CONDUCTOR AND CASING LEFT IN WELL

Conductor	13 inch	10 inch	8 3-4 inch	6 5-8 inch	5 3-16 inch	4 inch	3 inch	2 inch
			633	1613	1805			1907

Formation	Top	Bottom	Thickness	Formation	Top	Bottom	Thickness
Gravel or				Formation			
Quick Sand				Squaw			
First Water							
Bluff Sand				Berea			
Native Coal	80	82	2	Gantz			
Wbg. Coal	165	168	3				
Mapel Coal	425	430	5	Fifty Foot			
Pgh. Coal	520	521	1				
Murphy Sand				Thirty Foot			
Little Dkrd.				Gordon Stray			
Big Dkrd.				Gordon			
Gas Sand				Fourth			
First Salt Sand				Fifth			
Second Salt Sand							
				Bayard			
Little Lime	1720	1740	20				
Pencil Cave	1740	1743	3				
Big Lime	1743	1810	67				
				Elizabeth			
Big Injun	1810						
1 Gas 1826							
2 " 1902							
Oil 1915 to 1920							
				Total Depth	1930		

Gas Test Open
Minute Test
Oil Production 4 bbls.daily
Well Tubed with Tubing Packer Set in Sand, Top of Packer, Perforation
Well Tubed with 1907 Tubing 8 Ft. working bbl. 15 Anchor, Perforation at, 1920 Air Hole 1916

SHOT RECORD

Date	Amount	Size of Shell	Top	Bottom	Oil on Shot	Results
Sept.15th.'16	5 qts.	3 X 4	1914	1919	40ft.	3 to 5 bbls.
Feby 17 " '19	15 "	4 X 5-6"	1913-6	"	" "	2½ " 4 "
July 1 40	20 "	4 x 5½	1914	"	60 "	

REMARKS:

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Office of Oil and Gas
MAY 16 2018
WV Department

G100 778P

"Pipeline"

Select County: (061) Monongalia | Enter Permit #: 778 | Get Data | Reset

Select datatypes: (Check All)

- Location
- Production
- Plugging
- Owner/Completion
- Stratigraphy
- Sample
- Pay/Show/Water
- Logs
- Btm Hole Loc

Table Descriptions
County Code Translations
Permit-Numbering Series
Usage Notes
Contact Information
Disclaimer
WVGES Main
"Pipeline-Plus" New

WV Geological & Economic Survey:

Well: County = 061 Permit = 778

Report Time: Monday, March 07, 2016 3:28:58 PM

Location Information: View Map

API	COUNTY	PERMIT	TAX_DISTRICT	QUAD_75	QUAD_15	LAT_DD	LON_DD	UTME	UTMN
4706100778	Monongalia	778	unknown	unknown	unknown				

There is no Bottom Hole Location data for this well

There is no Owner/Completion data for this well

There is no Owner/Completion data for this well

There is no Pay data for this well

Production Gas Information: (Volumes in Mcf)

API	OPERATOR	PRD_YEAR	ANN_GAS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4706100778	Greenbrier Gas Development Co., Inc.	1983	0	0	0	0	0	0	0	0	0	0	0	0	0

Production Oil Information: (Volumes in Bbl) ** some operators may have reported NGL under Oil

API	OPERATOR	PRD_YEAR	ANN_OIL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4706100778	Greenbrier Gas Development Co., Inc.	1983	17	0	0	0	0	0	0	0	0	0	17	0	0

There is no Production NGL data for this well ** some operators may have reported NGL under Oil

There is no Stratigraphy data for this well

There is no Wireline (E-Log) data for this well

There is no Plugging data for this well

There is no Sample data for this well

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MAY 16 2016
WV Department of
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6100778P

WW-4A
Revised 6-07

1) Date: April 11, 2016
2) Operator's Well Number
1-Asa Tennant

3) API Well No.: 47 - 061 - 00778

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE 0F APPLICATION TO PLUG AND ABANDON A WELL

4) Surface Owner(s) to be served:
(a) Name: Church of Christ - Mooresville
Address: 248 Longdrain Road
Core, WV 26541

(b) Name:
Address:

(c) Name:
Address:

6) Inspector: Gayne Knitowski
Address: P.O. Box 108
Gormania, WV 26720
Telephone: (304) 546-8171

5) (a) Coal Operator
Name: Murray Energy Corporation
Address: 46226 National Road
St. Clairsville, OH 43950

(b) Coal Owner(s) with Declaration
Name:
Address:

Name:
Address:

(c) Coal Lessee with Declaration
Name:
Address:

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:
Its: President
Address: 2461 Mason Dixon Highway
Core, WV 26541
Telephone: (304) 296-5460

RECEIVED
Office of Oil and Gas
MAY 16 2016
WV Department of
Environmental Protection

Subscribed and sworn before me this 18th day of April
Russell L Bolyard Notary Public
My Commission Expires August 25th, 2019

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.

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
RUSSELL L. BOLYARD
11 Monument Lane, Moorefield, WV 26836
My Commission Expires August 29, 2019

6100778P

SURFACE OWNER WAIVER

Operator's Well Number 1-Asa Tennant

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0450

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have **FIVE (5) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

1) The proposed well work will constitute a hazard to the safety of persons.
2) The soil erosion and sediment control plan is not adequate or effective;
3) Damage would occur to publicly owned lands or resources;
4) The proposed well work fails to protect fresh water sources or supplies;
5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation...".

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application For A Permit To Plug And Abandon on Forms WW-4A and WW-4B, and a survey plat.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON ETC.

William R. Tennant Date 4-22
Signature

Albert D Jones
TRUSTEES

FOR EXECUTION BY A CORPORATION,

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Office of Oil and Gas

Name
By
Its

MAY 16 2016
Date

Signature Date

WV Department of Environmental Protection

6100778P

Mooresville Church of Christ
% Albert Jones
248 Long Drain Road
Core, WV 26541

April 24,2016

We are concern about the use of the driveway from Jakes Run Road to the "Gas Well" you are planning to plug. Any damage caused to the driveway by your Company will be held responsible. We have two culverts which cross the driveway which are just under the blacktop.

We need this agreement signed and sent back before the work is started.

Noumenon Corporation

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MAY 16 2016
WV Department of
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6100778P

WW-9
(2/15)

API Number 47 - 061 - 00778
Operator's Well No. 1-Asa Tennant

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Noumenon Corporation OP Code _____

Watershed (HUC 10) Unnamed Tributary of Jakes Run Quadrangle Blacksville

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
_____ Underground Injection (UIC Permit Number _____)
_____ Reuse (at API Number _____)
_____ Off Site Disposal (Supply form WW-9 for disposal location)
■ Other (Explain Noumenon Corporation and/or Contractor shall place all waste fluids in a tank and dispose of properly.

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. N/A

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) 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 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
MAY 16 2016
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Environmental Protection

Subscribed and sworn before me this 18th day of April, 2016

Russell L Bolyard Notary Public

My commission expires August 25th, 2019

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

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Form WW-9

Operator's Well No. 1-Asa Tennant

Noumenon Corporation

Proposed Revegetation Treatment: Acres Disturbed 0.50 to 1.0 Prevegetation pH 5.5

Lime 2.0 Tons/acre or to correct to pH 6.0 or above

Fertilizer type 10-20-20 or better

Fertilizer amount 600 lbs/acre lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Annual Rye	50lbs/acre	Gulf Annual Rye	24 lbs/ac
		Perennial Rye	20 lbs/ac
		Boreal Red Fescue	5 lbs/ac
		Inert and Other Seed	1 lbs/ac

Attach:
Drawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided)

Photocopied section of involved 7.5' topographic sheet.

See Attached Well Location Map

Plan Approved by: _____

Comments: _____

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Title: _____ Date: _____

Field Reviewed? (_____) Yes (_____) No

WV Department of
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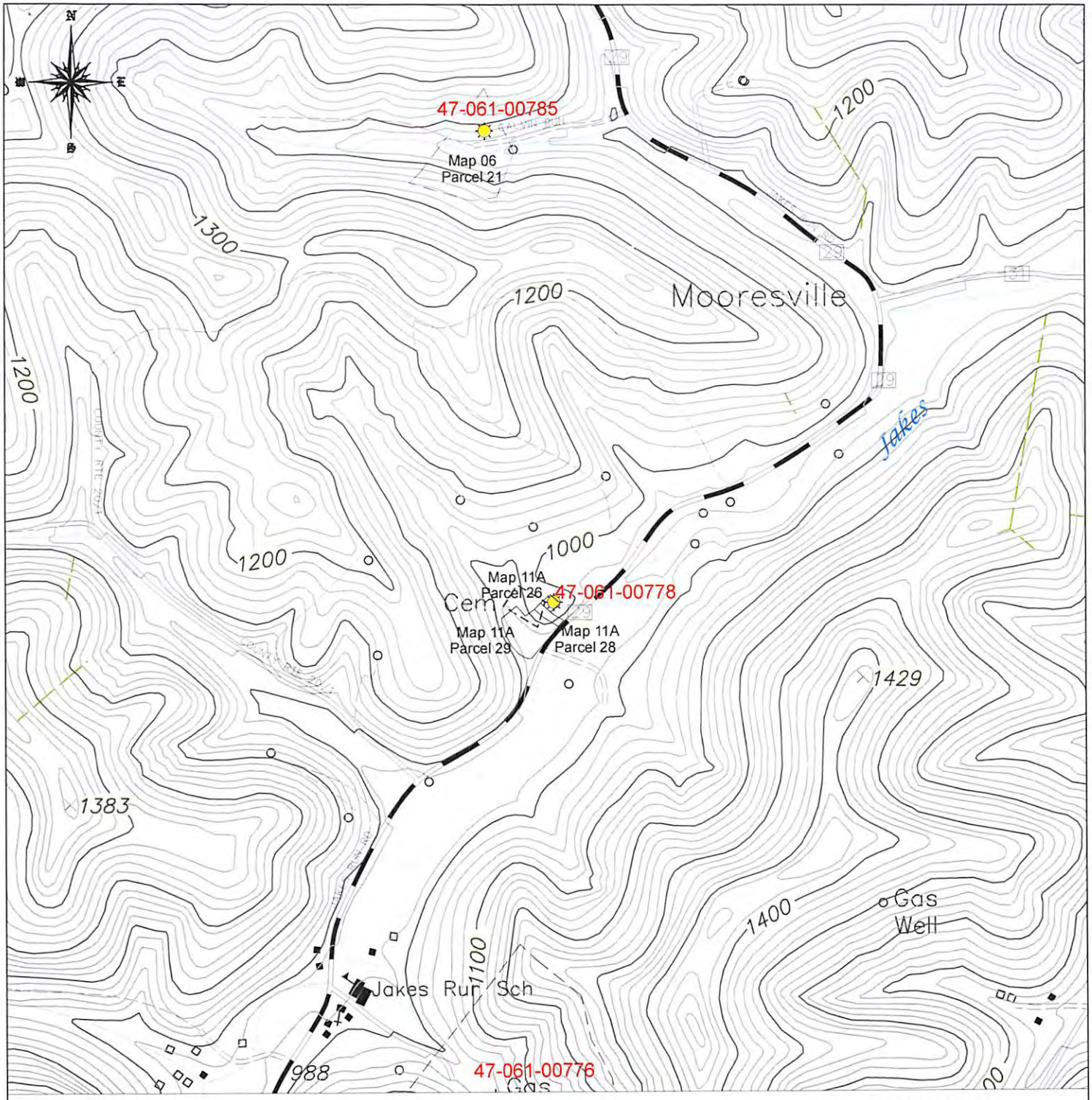

LEGEND

GAS WELL
LATITUDE: 39 41 03.2
LONGITUDE: 80 09 24.3
ELEVATION: 1008'

HAND HELD GPS SURVEYED WELL LOCATION

PROPERTY LINE

0FT 1000FT 2000FT

LOCATION MAP

NOUMENON CORPORATION
2461 MASON DIXON HIGHWAY, CORE, WV 26541

API WELL NO. - 47-061-00778
OPERATOR'S WELL NO. - 1-ASA TENNANT

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

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Office of Oil and Gas

MAY 20 2016

WV Department of
Environmental Protection

WW-7
8-30-06

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

API: 47-061-00778 **WELL NO.:** 1

FARM NAME: Asa Tennant

RESPONSIBLE PARTY NAME: Noumenon Corporation

COUNTY: Monongalia **DISTRICT:** Clay

QUADRANGLE: Blacksville, WV

SURFACE OWNER: Church of Christ-Mooresville

ROYALTY OWNER: Not Producing

UTM GPS NORTHING: 432006.412 =4393050.391

UTM GPS EASTING: 1783680.199 =572313.403 **GPS ELEVATION:** 1006.32

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 ___x___: Post Processed Differential ___X___

Real-Time Differential _____

Mapping Grade GPS _____: 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	President	5/20/2016
	Title	Date