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: 47-6100780, 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, ELIZA
API Well Number: 47-6100780
Permit Type: Plugging
Date Issued: 06/16/2016

6100780P

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.

6100780P

WW-4B
Rev. 2/01

1) Date April 11, 2016
2) Operator's Well No. 1-Eliza Tennant
3) API Well No. 47- 061 - 00780

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 988.0 msl 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

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

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Work order approved by inspector Gayne J Knitowski Date 5/11/2016

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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
4706100776 JN STATLER
4706100778 ASA TENNANT
4706100779 AMANDA 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: 47-061-00780

Operator Well #: 1-Eliza Tennant

Well History: The ElizaTennant 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 from J. H. McDermott Company that appears to contain a log of the Eliza Tennant Well No.1.The well Log is attached.

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: 988.0 msl **Conductor:** 8 ¾" for 840' **Casing Diameter:** Pulled

Casing Thickness: ¼" **Casing Reported Depth:** 840' **Total Depth:** 1895.5'

Tubing Diameter: 2"- 1871'

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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Eliza Tennant Well No. 1 47-061-00780

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

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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

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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DIVISION Jakes Run

Oil WELL RECORD

J.H.McDermott Oil COMPANY

Record of Well No. 1 on Eliza Tennant Farm 34 Acres
Jakes Run Field Clay District Monongalia County W.Va. State
Rig Commenced 19 - Completed 19 .
Drilling Commenced 19 . Completed 19 . -
Cost Per Foot Contractor Address
Drillers Names

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

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
			840 liner	Pulled	Full string			1871

Formation	Top	Bottom	Thickness	Formation	Top	Bottom	Thickness
Gravel or				Formation			
Quick Sand				Squaw			
First Water							
Bluff Sand				Berea			
Native Coal				Gantz			
Wbg. Coal							
Mapel Coal				Fifty Foot			
Pgh. Coal	480						
Murphy Sand				Thirty Foot			
Little Dkrd.				Gordon Stray			
Big Dkrd.				Gordon			
Gas Sand				Fourth			
First Salt Sand				Fifth			
Second Salt Sand							
				Bayard			
Little Lime							
Pencil Cave							
Big Lime							
				Elizabeth			
Big Injun							
Oil	1877						
				Total Depth	1895-6		

Gas Test Open
Minute Test
Oil Production
Well Tubed with Tubing Packer Set in Sand, Top of Packer, Perforation
Well Tubed with 1871 Tubing 6 Ft. working bbl. 18 Anchor, Perforation at, 1883 Air Hole 1877

SHOT RECORD

Date	Amount	Size of Shell	Top	Bottom	Oil on Shot	Results
No date	10 qt.					
" "	15 "					
Oct. 12th.1900	50 "	1 11ft. 1 8ft.	1875	1886		Good 27½ bbls.
Dec. 17th.1902	40 "	1 " 1 3½"				" 16 "
Oct. 3d 1903	60 "	2 "	1875	1877		" 15 "
July 11 " 1913	40 "	2 7 "	1877			" 3 "

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REMARKS:

"Pipeline"

Select County: (061) Monongalia
Enter Permit #: 780
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 = 780

Report Time: Monday, March 07, 2016 3:48:02 PM

Location Information: View Map

API	COUNTY	PERMIT	TAX_DISTRICT	QUAD_75	QUAD_15	LAT_DD	LON_DD	UTME	UTMN
4706100780	Monongalia	780	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
4706100780	Greenbrier Gas Development Co., Inc.	1983	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100780	Greenbrier Gas Development Co., Inc.	1984	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100780	Buckeye Oil Producing Co.	1985													
4706100780	Buckeye Oil Producing Co.	1986	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100780	---------- unknown ----------	1991	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100780	Noumenon Corp, a WV Corp	1992	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100780	Noumenon Corp, a WV Corp	1993	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100780	Noumenon Corp, a WV Corp	1994	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100780	Noumenon Corp, a WV Corp	1995	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100780	Noumenon Corp, a WV Corp	1996	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100780	Noumenon Corp, a WV Corp	1997	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100780	Noumenon Corp, a WV Corp	2000	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100780	Noumenon Corp, a WV Corp	2003	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100780	Noumenon Corp, a WV Corp	2008	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100780	Noumenon Corp, a WV Corp	2009	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100780	Noumenon Corp, a WV Corp	2010	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100780	Noumenon Corp, a WV Corp	2011	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100780	Noumenon Corp, a WV Corp	2012	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100780	Noumenon Corp, a WV Corp	2013	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
4706100780	Greenbrier Gas Development Co., Inc.	1983	24	0	0	0	0	0	0	0	0	24	0	0	0
4706100780	Greenbrier Gas Development Co., Inc.	1984	472	0	0	76	0	79	0	81	75	0	83	0	79
4706100780	Buckeye Oil Producing Co.	1985	403		77		80		83		83		80		
4706100780	Buckeye Oil Producing Co.	1986	320	27	27	27	27	27	27	27	27	27	27	27	23
4706100780	---------- unknown ----------	1991	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100780	Noumenon Corp, a WV Corp	1992	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100780	Noumenon Corp, a WV Corp	1993	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100780	Noumenon Corp, a WV Corp	1994	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100780	Noumenon Corp, a WV Corp	1995	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100780	Noumenon Corp, a WV Corp	1996	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100780	Noumenon Corp, a WV Corp	1997	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100780	Noumenon Corp, a WV Corp	2000	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100780	Noumenon Corp, a WV Corp	2003	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100780	Noumenon Corp, a WV Corp	2008	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100780	Noumenon Corp, a WV Corp	2009	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100780	Noumenon Corp, a WV Corp	2010	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100780	Noumenon Corp, a WV Corp	2011	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100780	Noumenon Corp, a WV Corp	2012	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100780	Noumenon Corp, a WV Corp	2013	0	0	0	0	0	0	0	0	0	0	0	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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WW-4A
Revised 6-07

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

3) API Well No.: 47 - 061 - 00780

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: Todd J. Carlene S. Moore
Address: 800 Memorial Road
Fairview, WV 26570

(b) Name:
Address:

(c) Name:
Address:

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:

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

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

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

6100780P

WW-9
(2/15)

API Number 47 - 061 - 00780
Operator's Well No. 1-Eliza 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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WV Department of Environmental Protection

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

Russell L Bolyard Notary Public

My commission expires August 25th, 2019

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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-Eliza 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: _____

Title: _____ Date: _____

Field Reviewed? (_____) Yes (_____) No

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Environmental Protection

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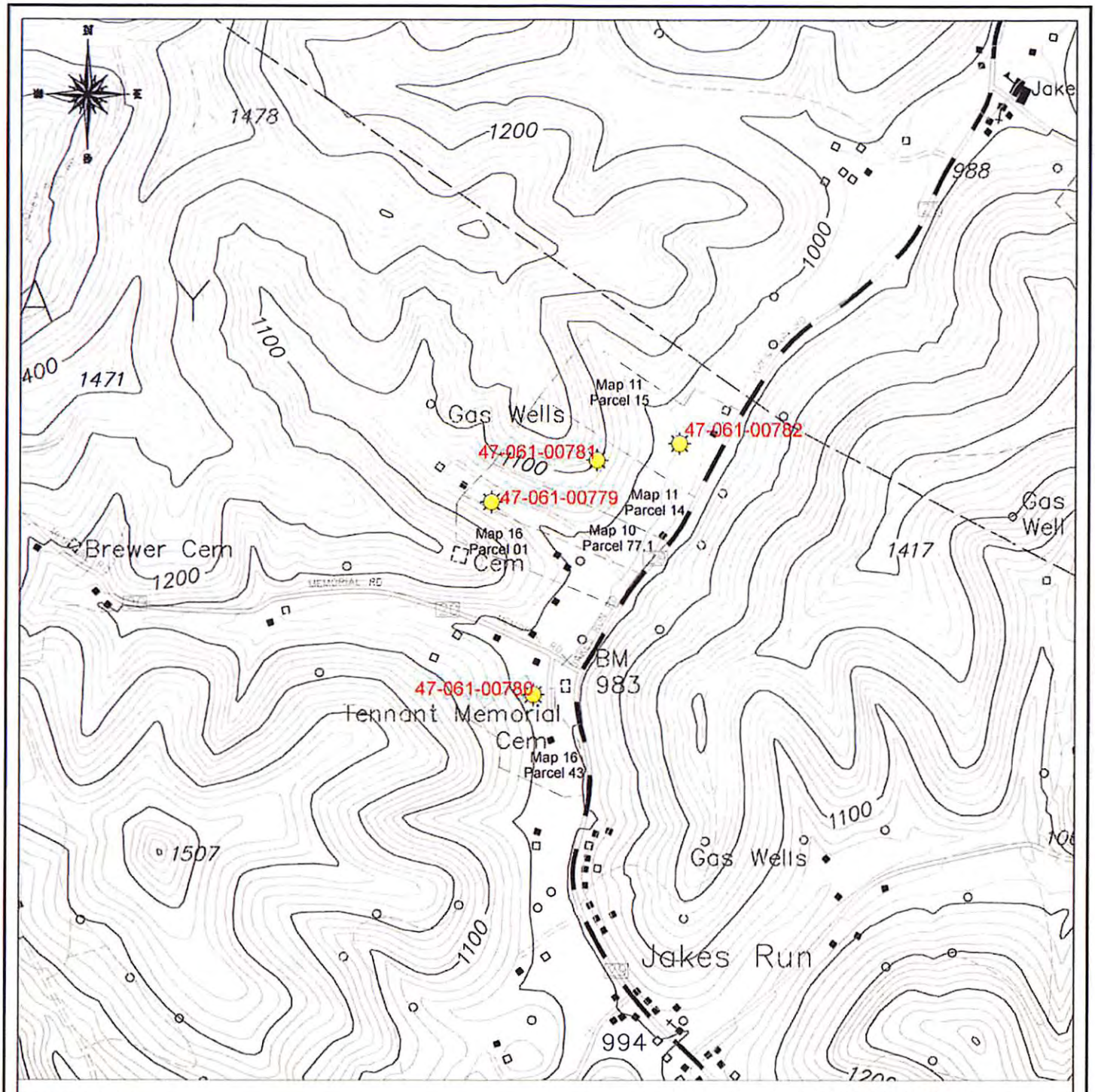


LEGEND

GAS WELL
Northing: 424849.620
Easting: 1778781.580
ELEVATION: 983.86'

SURVEYED WELL LOCATION

PROPERTY LINE

0FT 1000FT 2000FT

RECEIVED
Office of Oil and Gas
MAY 20 2016
WV Department of
Environmental Protection

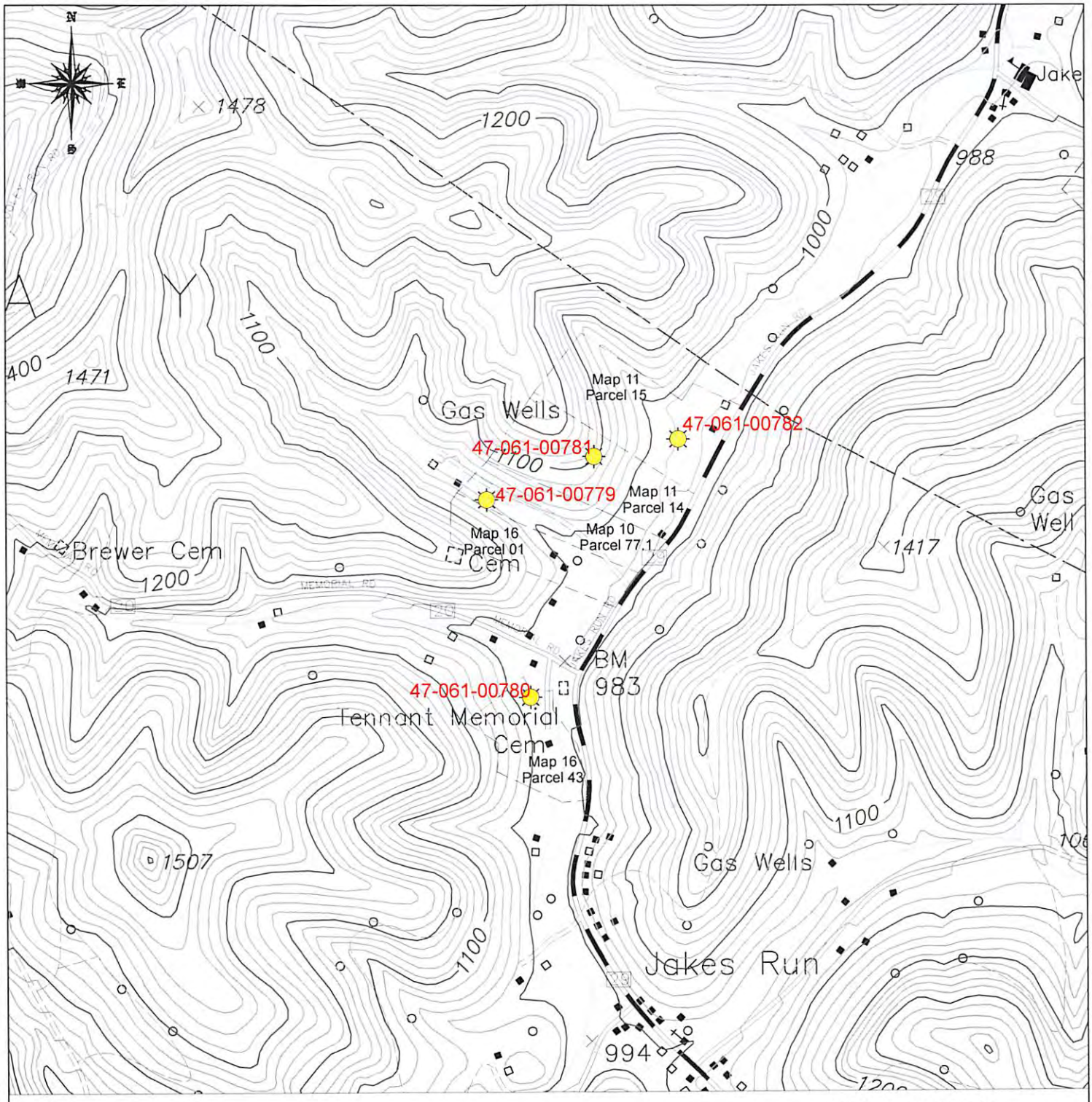
LOCATION MAP

NOUMENON CORPORATION
2461 MASON DIXON HIGHWAY, CORE, WV 26541

API WELL NO. - 47-061-00780
OPERATOR'S WELL NO. - 1 - ELIZA TENNANT

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

6100780P



LEGEND

GAS WELL
LATITUDE: 39 40 52.2
LONGITUDE: 80 10 26.2
ELEVATION: 988'

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. - *47-061-00780*
OPERATOR'S WELL NO. - *1 - ELIZA TENNANT*

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

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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: 47-061-00780 **WELL NO.:** 1

FARM NAME: Eliza Tennant

RESPONSIBLE PARTY NAME: Noumenon Corporation

COUNTY: Monongalia **DISTRICT:** Clay

QUADRANGLE: Blacksville, WV

SURFACE OWNER: Todd J. and Carlene S. Moore

ROYALTY OWNER: Not Producing

UTM GPS NORTHING: 424849.620 =4390844.970 N

UTM GPS EASTING: 17787781.580 =570857.356 E **GPS ELEVATION:** 983.86

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.

President 5/20/2016

Signature Title Date