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 05, 2015

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-6101351, 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: 15-12
Farm Name: CONSOL. COAL
API Well Number: 47-6101351
Permit Type: Plugging
Date Issued: 01/05/2015

IR - 8
(REV 4 - 99)

API No. 47-6101351

WELL PLUGGING INSPECTION & RELEASE FORM

PLUGGING COMMENCED _____ OPERATOR: NOUMENON CORPORATION

PLUGGING COMPLETED _____ FARM: CONSOL. COAL

VERBAL PERMISSION ON _____ WELL No: 15-12

1. IS COAL BEING MINED IN THE AREA?
2. WERE CEMENT AND GEL MIXED AND USED IN ACCORDANCE WITH ACCEPTED INDUSTRY STANDARDS?

A. BOTTOM HOLE PLUGGED	YES	NO	N/A
B. 100 ' PLUGS	YES	NO	N/A
C. LATEX PLUGS USED FOR H2S GAS	YES	NO	N/A
D. PROPER PLUGS THROUGH COAL SEAMS	YES	NO	N/A
E. PROPER PLUGS SET TO PROTECT FRESHWATER	YES	NO	N/A
F. PROPER AMOUNT OF GEL USED TO DISPLACE PLUGS	YES	NO	N/A

TYPE	FROM	TO	PIPE REMOVED

3. WERE ALL CHANGES APPROVED BY INSPECTOR? YES NO
4. WAS THE EQUIPMENT USED FOR PULLING CASTING PROPERLY SIZED AND RIGGED TO PULL 150% OF THE HEAVIEST STRING OF PIPE EXPECTED TO BE PULLED? YES NO
5. DID THE OPERATOR GIVE THE INSPECTOR PROPER NOTICE? YES NO
6. WERE ACCURATE PLUGGING RECORDS KEPT BY THE OPERATOR? YES NO
7. WAS A PROPER MONUMENT SET WITH API NUMBER ATTACHED? YES NO
8. DID WELL SITE AND ACCESS ROAD MEET THE FOLLOWING RECLAMATION REQUIREMENTS?

A. RECLAIMED	YES	NO	B. FENCES REPLACED	YES	NO
C. MULCHED	YES	NO	D. PROPER DRAINAGE	YES	NO
E. SEEDED	YES	NO	F. ALL EQUIPMENT REMOVED	YES	NO
G. PIT BACKFILLED	YES	NO			

_____ DATE RELEASED

_____ INSPECTOR'S SIGNATURE

RECORD ALL VISITS TO THIS WELL ON PAGE 2

API No. 47- 6101351

DATE	VISITS

I
NOW

Operator: NOUMENON CORPORATION, A W.VA. CORP.

API: 6101351

WELL No: 15-12

Reviewed by: JMM Date: 11/05/2015

05 Day End of Comment: 9/23/14

CHECKLIST FOR FILING A PERMIT

Plugging

- [x] WW-4B
- [x] ~~Inspector signature on WW-4B~~
- [x] Completion / Well Records of Previous Work
- [x] ~~WW-4A (Notarized)~~
- [x] ~~Certified Mail Receipts, Waivers, or Affidavits of Personal Service~~
- [ ] Surface Owner Waiver
- [ ] Coal Owner / Lessee /Operator Waiver
- [x] WW-9 (Page 1) (Notarized)
- [x] N/A ~~Inspector Signature on WW-9 (Optional)~~
- [x] Topographic Map of location of well
- [x] WW-7

OR

- [x] ~~Mylar~~ Plat (Surface owner on plat matches WW-4A)
- [x] Bond
- [x] Company is Registered with the SOS
- [x] Worker's Compensation / Unemployment Insurance account is OK
- [x] ~~$100.00 check~~ ($0.00 if no pit)

6101351P

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.

6101351P

WW-4B
Rev. 2/01

1) Date August 12, 2014
2) Operator's Well No. 15-12
3) API Well No. 47- 061 - 01351-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 321 meters
District Clay
Watershed Monongahela River
County Monongalia Quadrangle Blacksville

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

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

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

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

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

See Attached Work Order

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

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Office of Oil and Gas
SEP 16 2014
WV Department of
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6101351P

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

API Well No: 47-061-01351-C

Operator Well #: 15-12

Well History: Well 15-12 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:** 557.0'

Estimated Casing Weight: 8,143 lbs. **Required lifting Capacity:** 12,215 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

★ IF 5" CASING IS CEMENTED TO SURFACE, THEN DO NOT PERFORATE OR PULL CASING.

JWM

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SEP 16 2014
WV Department of
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6101351 P

Affidavit

I, Russell L. Bolyard hereby affirm that on the August the 19th, 2014 I personally visited Coal Bed Methane Well Site 47-061-01351-C, Well # 15-12 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

Official Seal
Notary Public, State Of West Virginia
Lois A Brown
1552 Little Sandy Road
Bruceton Mills WV 26525
My commission expires August 22, 2017

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Office of Oil and Gas

OCT 30 2014

WV Department of
Environmental Protection

6101351P

FORM WW-5B (8/1998) Page 1 of 2

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 15-12

3) Operator's Well Number 15-12 4) Elevation 1102'

5) Well Type: (a) Oil ____/ or Gas ____/
(b) If Gas: Production ____/ Underground Storage ____/ CBM X /
Deep ____/ Shallow ____/

6) Proposed Target Formation(s): N/A

7) Proposed Total Depth: 90' ABOVE PITTSBURGH feet As determined by wire line - 1998

8) Approximate Fresh Water Strata Depths: Unknown

9) Approximate Salt Water Depths: Unknown

10) Approximate Coal Seam Depths: Pittsburgh 445' - 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 X / 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.

6101351P

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS			CEMENT
	Size	Grade	Weight per ft.	For Drilling	Left in Well	Fill-up (cu. ft.)
Conductor	5"				557'	
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)

6101351P

ATTACHMENT WW-5B-10

Well # 15-12

Approximate Pittsburgh coal elevation: 445.'

Approximate surface elevation: 1102'

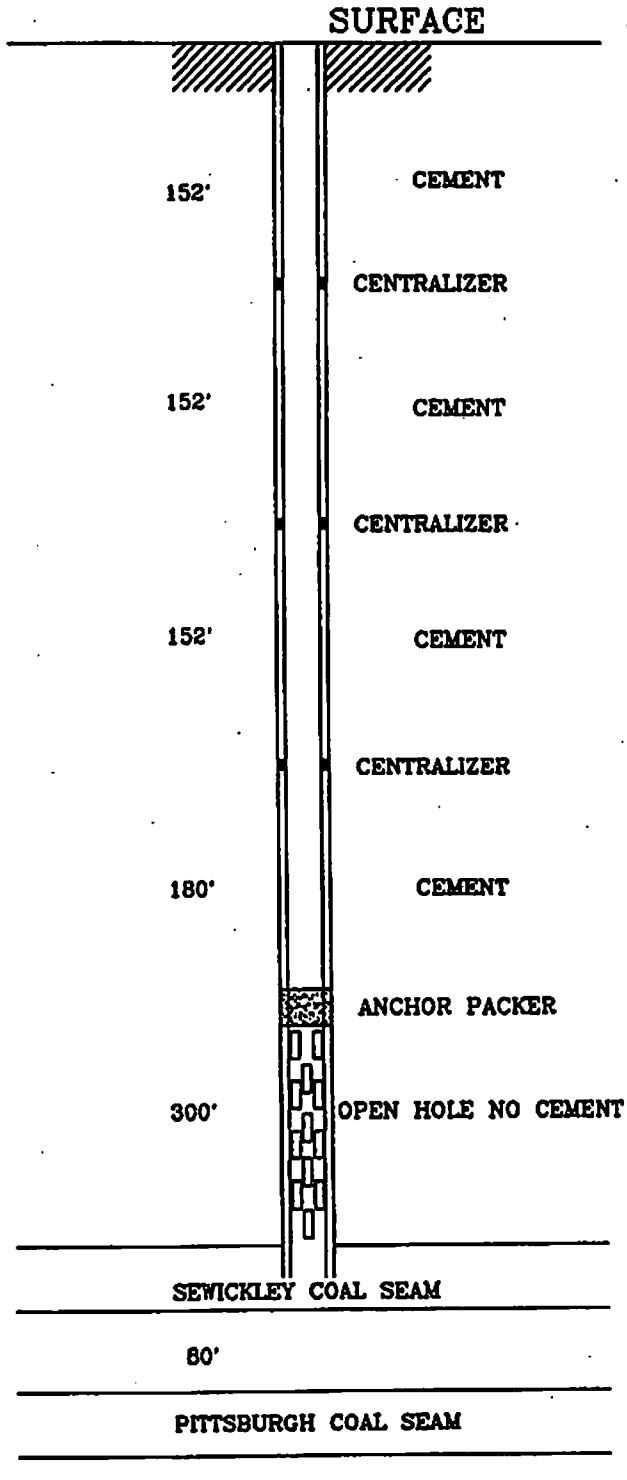
Within 750 horizontal feet and 100 vertical feet of the Pittsburgh coal seam, there are no workable coal seams due to the thickness, quality, and marketability as per the WV Geological Survey Reports of 1913 for Monongalia County.

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.

6101351P



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

TYPICAL BOREHOLE PLAN
FOR ALL
DEGASIFICATION BOREHOLES

NOT TO SCALE

MFN – 338-D

6101351P

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: 15-12

Farm Name: CONSOL. COAL

API Well Number : 61-0135-1-C

Date Issued : 5-14-99

Expires two (2) years from issue date.

6101351 P

WR-35

14-May-99
API # 47- 61-01351 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.: 15-12

LOCATION: Elevation: 1,102.00 Quadrangle: BLACKSVILLE

District: CLAY County: MONONGALIA
Latitude: 11145 Feet South of 39 Deg. 45Min. 0 Sec.
Longitude 1175 Feet West of 80 Deg. 7 Min. 30 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	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size			

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 _____ 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.

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

6101351P

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. 15-12
API No. 47- 61-01351 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. Zeltz, CHIEF

OFFICE OF OIL AND GAS

Ava C. Zeltz, Chief
Office of Oil and Gas

6101351P

WW-4A
Revised 6-07

1) Date: August 12th, 2014
2) Operator's Well Number
15-12

3) API Well No.: 47 - 061 - 01351-C

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: CONSOL Energy Inc
Address: 46226 National Road
St. Clairsville, OH 43950

(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 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
WV Department of
Environmental Protection

Oil and Gas Privacy Notice

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

6101351P

7010 1670 0000 4944 1358

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

OFFICIAL USE

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

PS Form 3800, August 2006 — See Reverse for Instructions

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Rick Hess ☐ Agent ☑ Addressee

B. Received by (Printed Name) Rick Hess C. Date of Delivery

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

USPS AUG 27 2014 ST CLAIRSVILLE OH 439

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

4. Restricted Delivery? *(Extra Fee)* ☐ Yes

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

PS Form 3811, July 2013 Domestic Return Receipt

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WV Department of
Environmental Protection

6101351P

7010 1670 0000 4944 1273

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(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 2006 — See Reverse for Instructions

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:

CONSOL ENERGY INC
46226 NATIONAL RD
SAINT CLAIRSVILLE, OH 43950

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Rick Hess ☐ Agent ☐ Addressee

B. Received by (Printed Name) R. Rick Hess C. Date of Delivery

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

ST CLAIRSVILLE OH 43950 AUG 29 2014 USPS

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

4. Restricted Delivery? *(Extra Fee)* ☐ Yes

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

PS Form 3811, July 2013 Domestic Return Receipt

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

6161351P

WW-9
Rev. 5/08

Page 1 of 1
API Number 47 - 061 - 01351-C
Operator's Well No. 15-12

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 321 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 & DISPOSED OF PROPERLY. GWM

Proposed Disposal Method For Treated Pit Wastes:

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

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

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

Russell L Boland Notory Public

My commission expires August 25th, 2019

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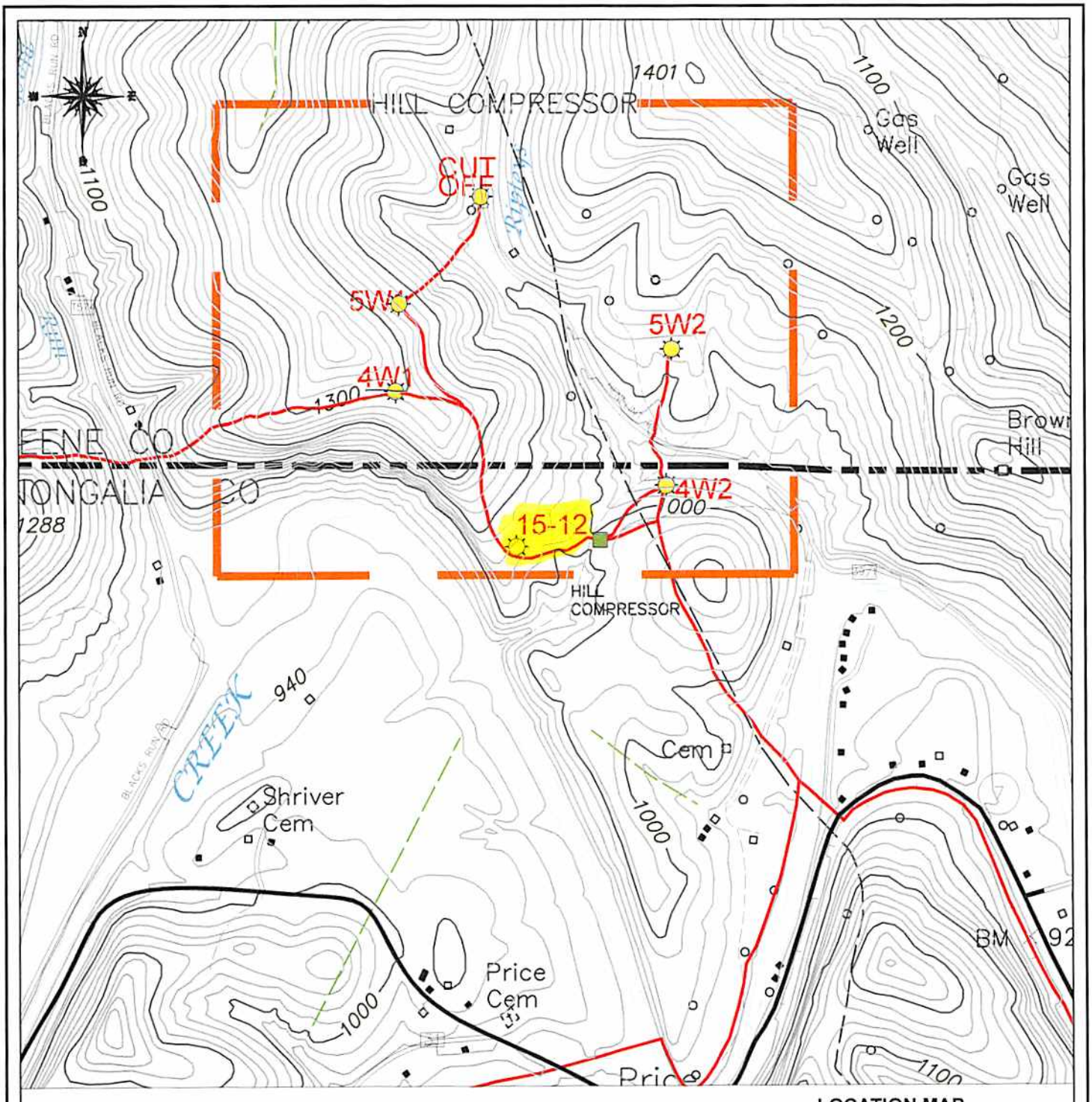
SEP 16 2014
WV Department of Environmental Protection

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
RUSSELL L. BOLAND
11 Monument Lane, Wheeling, WV 26003
My Commission Expires August 25, 2019

6101351P



LEGEND

GAS WELL

UTM ZONE 17 S

EASTING: 574,464.25

NORTHING: 4,397,006.43

ELEVATION: 321 M

SURVEYED CBM WELL LOCATION

NON-SURVEYED CBM WELL LOCATION

GAS LINE

0FT 1000FT 2000FT

LOCATION MAP

NOUMENON CORPORATION

2461 MASON DIXON HIGHWAY

CORE, WV 26541

API WELL NO. - 47-061-1351-C

OPERATOR'S WELL NO. - 15-12

CLAY DISTRICT - MONONGALIA COUNTY, WV

7.5 MINUTE SERIES - 20' CONTOUR INTERVAL

BLACKSVILLE, WV TOPO QUAD

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WW-7
8-30-06

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

API: 47-061-01351-C **WELL NO.:** 15-12

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: 4397006.43

UTM GPS EASTING: 574464.25 **GPS ELEVATION:** 321 (1102')

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 X

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	8/25/2014
	Title	Date

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WV Department of
Environmental Protection

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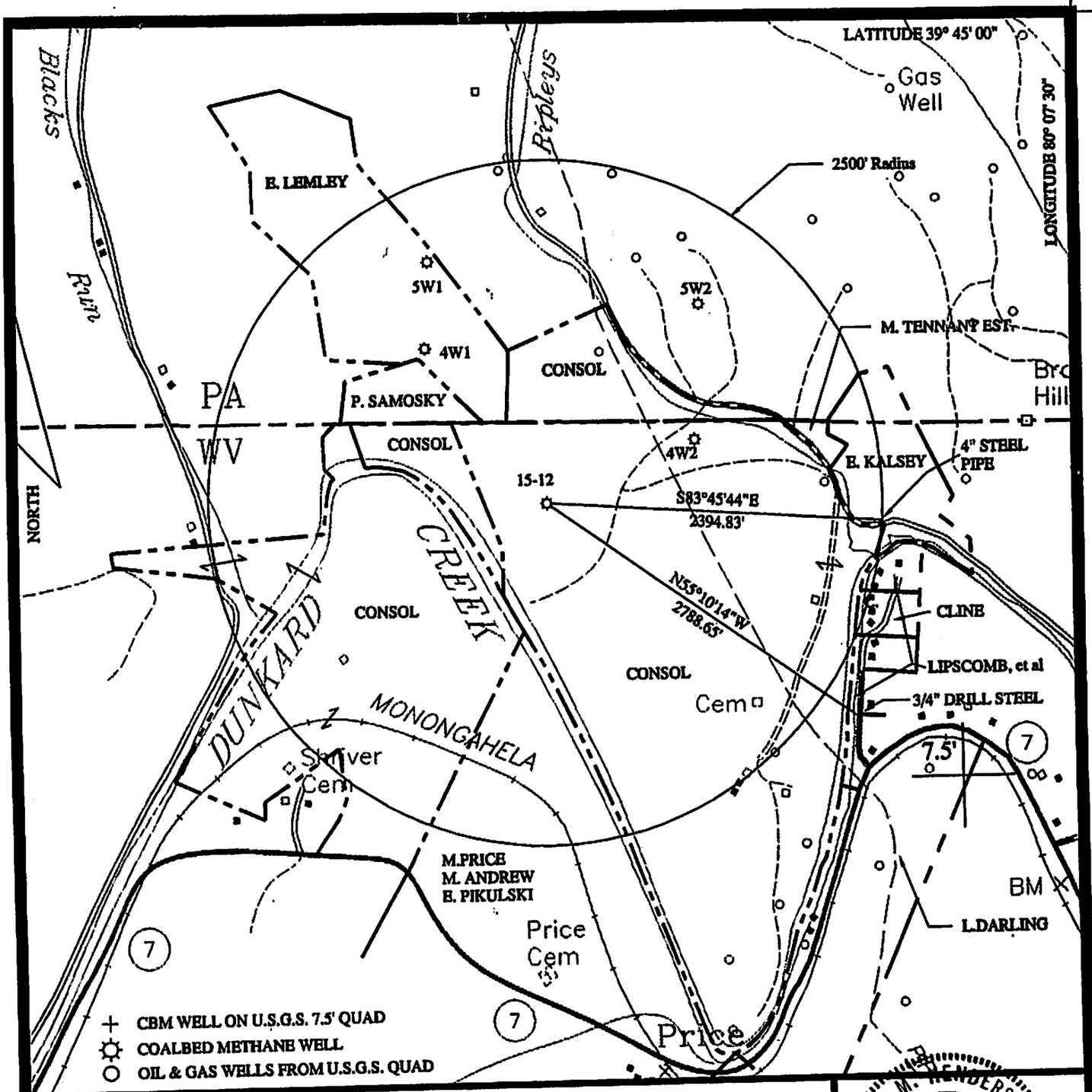

FILE NO. MFN 40-0003
DRAWING NO. LAYER: GW- 1512
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY SUB-METER GPS; TRIMBLE XR-PRO DIFFERENTIAL GPS
PROVEN SOURCE OF ELEVATION DIFFERENTIAL GPS

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.

RAY M. HENDERSON REGISTERED 2865 PROFESSIONAL ENGINEER STATE OF WEST VIRGINIA

RECEIVED SEP 16 2014

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

DATE MARCH 3, 1998
OPERATOR'S WELL NO. 15-12
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 1102.47' WATERSHED DUNKARD CREEK
DISTRICT CLAY COUNTY MONONGALIA
QUADRANGLE BLACKSVILLE, WV-PA

SURFACE OWNER CONSOLIDATION ACREAGE 278.25
OIL & GAS ROYALTY OWNER CONSOLIDATION 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 ☐

MONONGALIA COUNTY NAME PERMIT

TARGET FORMATION PITTSBURGH ESTIMATED DEPTH 90'
WELL OPERATOR NOUMENON DESIGNATED AGENT STEPHEN K. SHUMAN
ADDRESS P.O. BOX 842 ADDRESS 256 HIGH STREET
MORGANTOWN, WV 26505 MORGANTOWN, WV 26505