

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

- 1) Well Operator: _____ 2) Well Name _____
3) Operator's Well Number _____ 4) Elevation _____
5) Proposed Target Formation(s), Depths and Thickness:

-

- 6) Proposed Total Depth: _____ feet
7) Approximate Fresh Water Strata Depths: _____
8) Approximate Salt Water Depths: _____
9) Approximate Coal Seam Depths: _____

10) Does Land Contain Coal Seams Tributary to Active Mines? Yes ____/ No ____/

- 11) (a) Proposed Well Work: _____
(b) If Stimulation Proposed, Describe Means to be Used to Stimulate Well: _____

12) (a) Does the proposed operation plan to convert an existing well (as defined in W. Va. Code § 22-21) 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.

13) (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.

14) (a) Does the proposed operation include horizontal drilling of a well commenced on the surface?
Yes ____/ No ____/

(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.

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

NOTICE AND APPLICATION FOR A COALBED METHANE WELL PERMIT

4) Surface Owner(s):

(a) Name _____
Address _____

(b) Name _____
Address _____

(c) Name _____
Address _____

(d) Natural Gas Owner(s):

Name _____
Address _____

Name _____
Address _____

(e) Natural Gas Lessee(s):

Name _____
Address _____

5) Other Parties Noticed:

(a) Coal Owner(s):
Name _____
Address _____

Name _____
Address _____

(b) Coal Lessee(s):
Name _____
Address _____

Name _____
Address _____

(c) Coal Operator(s):
Name _____
Address _____

Name _____
Address _____

Name _____
Address _____

(f) Natural Gas Operator(s):

Name _____
Address _____

6) Inspector _____
Address _____

Telephone _____

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 deprivacyoffier@wv.gov.

TO THE PERSONS NAMED ABOVE - TAKE NOTICE THAT:

The well operator named below is applying for a permit from the State of West Virginia to commence, operate, deepen or stimulate a coalbed methane well, to conduct horizontal drilling of a coalbed methane well commenced from the surface or to convert an existing well or vent hole to a coalbed methane well.

Well Operator: _____
By: _____
Its: _____

Well Operator Designated Agent:
Name: _____
Address: _____

Telephone: _____

(7) The well operator certifies that pursuant to W. Va. Code §22-21-9, copies of this Notice and application, a location plat, erosion and sediment control plan have been served on the above-named parties by:

- _____ Personal Service (affidavit attached)
- _____ Certified Mail (return receipt requested)

(8) The well operator certifies that, as required by W. Va. Code §22-21-9(c), this Notice and Application has been or within ten days of filing will be published in a newspaper of general circulation in the county in which the proposed Coalbed Methane well is to be located all information required by statute and the West Virginia Department of Environmental Protection, Office of Oil and Gas.

- _____ Affidavit of Publication (attached)
- _____ Affidavit of Publication (forthcoming)

Subscribed and sworn before me this ____ day of _____ 20__.

_____ Notary Public.

My commission expires _____.

INSTRUCTIONS TO PERSONS NAMED ABOVE*

YOU ARE NOT REQUIRED TO FILE ANY COMMENT BUT MAY BE ENTITLED TO DO SO. HOWEVER, IF YOU WISH TO FILE COMMENTS OR OBTAIN ADDITIONAL INFORMATION, PLEASE CONTACT:

Chief, Office of Oil and Gas **OR** District Oil and Gas Inspector
Department of Environmental Protection (Name and address listed Page 1)
601 57th St., SE
Charleston, West Virginia 25304
(304) 926-0450

Time limits and methods for filing comments. The law provides that certain parties are to receive copies of an application for a coalbed methane well permit prior to the filing of the application. You have **FIFTEEN (15) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Office of Oil and Gas within that time. You may call the Office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling.

Comments must be in writing. Your comments must include your name, address, and telephone number (if you have a telephone), 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.

List of Water Testing Laboratories. The Office of Oil and Gas maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Office to obtain a copy.

Permits. Permits for coalbed methane wells may be granted or derived as provided in Article 21 of Chapter 22 of the West Virginia Code. The Chief of the Office of Oil and Gas 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; or
- 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. You may request additional information and/or request notice of the permit decision from the Chief.

*If you believe you were provided notice of this application in error, please contact the well operator listed above and the Office of Oil and Gas at (304) 926-0450 immediately.

1) Date: _____
2) Operator's well number _____
3) API Well No: 47- ____ - ____
State County Permit

VOLUNTARY STATEMENT OF NO OBJECTION
BY PERSON RECEIVING NOTICE OF CBM WELL PERMIT APPLICATION

I hereby state that I have read these Instructions and that I have received copies of the Notice and Application for a Coalbed Methane Well Permit, and accompanying materials, including a survey plan and a soil and erosion plan, all for proposed coalbed methane well work as described therein.

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 based on those materials.

I further state that I am aware that the proposed well is within 1,600 feet of another CBM well, and I have no objection to this spacing.

FOR EXECUTION BY A NATURAL PERSON
ETC.

FOR EXECUTION BY A CORPORATION,

Date

Company
Name
By
Its

Signature

Date

Signature

Date

IMPORTANT: If you have been notified by the well operator of the proposed coalbed methane well and you signed the Voluntary Statement of No Objection to the planned work described in these materials, then the permit may be issued at any time. 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 Office of Oil and Gas.

**CONSENT AND AGREEMENT TO DRILL
A HORIZONTAL DEGASIFICATION BOREHOLE**

We, the undersigned _____ of coal seams located on certain tracts or parcels of land in _____ District of _____ County, State of West Virginia, have received a "notice and Application to Drill" a Horizontal Degasification Borehole No. _____ in which stimulation of the _____ coal seam is proposed do hereby consent and agree to stimulation of the coal seam pursuant to West Virginia Code § 22-21-7.

Owner Name: _____

By: _____

Its: _____

Date: _____

STATE OF WEST VIRGINIA

COUNTY OF _____, to-wit:

I, _____, a Notary Public of said County, do hereby certify that _____, who signed the writing above for _____ bearing date the ____ of _____, 20____, has this day in my said County, before me, acknowledged the said writing to be the act and deed of said corporation.

Given under my hand and official seal this the ____ day of _____, 20__.

My commission expires

_____.

Notary Public

{SEAL}

**CONSENT AND AGREEMENT TO STIMULATE
A COALBED METHANE WELL**

We, the undersigned coal owner and/or operator of coal seams located on certain tracts or parcels of land in _____ District _____ County, State of West Virginia have received a "Notice and Application to Drill" for a Coalbed Methane Well No. _____ in which stimulation of the coal seam is proposed do hereby consent and agree to stimulation of the coal seam pursuant to West Virginia Code 22-21-7. We also have no problem with the 1600-foot spacing requirement.

Owner/Operator Name _____

By _____

Its _____

Date _____

STATE OF WEST VIRGINIA

COUNTY OF _____, to-wit:

I, _____, a Notary Public of said County, do hereby certify that _____, who signed the writing above for _____ bearing date the ____ of _____, 20____, has this day in my said County, before me, acknowledged the said writing to be the act and deed of said corporation.

Given under my hand and official seal this the ____ day of _____, 20__.

My commission expires

_____.

Notary Public

{SEAL}

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

Operator Name _____ OP Code _____

Watershed (HUC 10) _____ Quadrangle _____

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes _____ No _____

Will a pit be used? Yes _____ No _____

If so, please describe anticipated pit waste: _____

Will a synthetic liner be used in the pit? Yes _____ No _____ If so, what ml.? _____

Proposed Disposal Method For Treated Pit Wastes:

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

Will closed loop system be used? If so, describe: _____

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

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

Additives to be used in drilling medium? _____

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. _____

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

-Landfill or offsite name/permit number? _____

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature _____

Company Official (Typed Name) _____

Company Official Title _____

Subscribed and sworn before me this _____ day of _____, 20_____

_____ Notary Public

My commission expires _____

Proposed Revegetation Treatment: Acres Disturbed _____ Prevegetation pH _____

Lime _____ Tons/acre or to correct to pH _____

Fertilizer type _____

Fertilizer amount _____ lbs/acre

Mulch _____ Tons/acre

Seed Mixtures

Temporary

Permanent

Seed Type lbs/acre

Seed Type lbs/acre

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, provide water volume, include dimensions (L, W, D) of the pit, and dimensions (L, W), and area in acres, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: _____

Comments: _____

Title: _____ Date: _____

Field Reviewed? (_____) Yes (_____) No

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

Operator Name: _____

Watershed (HUC 10): _____ Quad: _____

Farm Name: _____

1. List the procedures used for the treatment and discharge of fluids. Include a list of all operations that could contaminate the groundwater.

2. Describe procedures and equipment used to protect groundwater quality from the list of potential contaminant sources above.

3. List the closest water body, distance to closest water body, and distance from closest Well Head Protection Area to the discharge area.

4. Summarize all activities at your facility that are already regulated for groundwater protection.

5. Discuss any existing groundwater quality data for your facility or an adjacent property.

6. Provide a statement that no waste material will be used for deicing or fill material on the property.

7. Describe the groundwater protection instruction and training to be provided to the employees. Job procedures shall provide direction on how to prevent groundwater contamination.

8. Provide provisions and frequency for inspections of all GPP elements and equipment.

Signature: _____

Date: _____

**COALBED METHANE WELL WORK
PERMIT APPLICATION NOTICE BY PUBLICATION**

Notice is hereby given:

Pursuant to West Virginia Code 22-21-9, notice is hereby given that the undersigned well operator-applicant proposes to file a Notice of an Application for a Coalbed Methane Well Permit, a plat or map showing the well location, and (unless the application is to plug a well) a Construction and Reclamation Plan with the Chief of the Office of Oil and Gas of the West Virginia Department of Environmental Protection, with respect to a well on the surface of a tract of land described as follows:

Acres _____
Watershed _____
District _____
County _____
Public road access _____
Generally used farm name _____

The well work for which a permit is sought is generally described as follows:

This publication may be the only notice that surface, gas, coal; and coalbed methane owners of record will receive.

Pursuant to West Virginia Code 22-21-10, (1) The owners of record of the surface of the tract on which the coalbed methane well is to be located; (2) The owners of record of the surface of any tract which is to be utilized for roads or other land disturbance; (3) Each coal owner and each coal operator (i) from whom a consent and agreement provided for in 22-21-7 is required, or (ii) whose coal seam will be penetrated by the proposed coalbed methane well or is within seven hundred fifty feet of any portion of the well bore; and (4) Each owner and lessee of record and each operator of natural gas surrounding the well bore and existing in formations above the top of the uppermost member of the "Onondaga Group" or at a depth less than six thousand feet, whichever is shallower. may file comments with the chief as to the location or construction of the applicant's proposed well within fifteen days after the application is filed with the chief.

Pursuant to West Virginia Code 22-21-11 the owner or operator of any coal seam whose interests may be adversely affected by a coalbed methane well may, within fifteen days after the application is filed with the chief, file objections in writing to such proposed drilling with the chief, setting out the grounds on which such objections are based.

Copies of the Notice and Application and accompanying documents may be obtained from the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, 601 57th St., SE, Charleston, WV 25304 (Telephone (304)926-0450).

WELL OPERATOR-APPLICANT _____

ADDRESS _____

TELEPHONE _____

**COALBED METHANE UNIT APPLICATION
NOTICE BY PUBLICATION**

TO THE PERSON(S) IDENTIFIED AS FOLLOWS:

*[INSERT THE NAME(S) OF THOSE PERSON NOT LOCATED AND REQUIRED TO BE NOTICED AS
REQUIRED BY CODE 22-21-16]*

Pursuant to Regulation 34-1-3.1.e, notice of conference and hearing is hereby given that the undersigned well operator-applicant proposes to file a Notice of an Application for a Coalbed Methane Well Unit with the Coalbed Methane Review Board (CBMRB) of the West Virginia Department of Environmental Protection with respect to a well on the surface of a tracts of land described as follows:

Acres _____
Watershed _____
District _____
County _____
Public road access _____
Generally used farm name(s) _____

This publication may be the only notice that surface, gas, coal; and coalbed methane owners of record will receive. This applicant is requesting the CBMRB issue an order establishing a unit and pooling all the rights, interests, and estates of every individual or entity having an interest in the coalbed methane underlying the tracts in the unit, whether known or unknown.

A conference and hearing is scheduled for: [Insert date/time given by the board]

Conference Date: _____
Time: _____
Hearing Date: _____
Time _____
Place: _____

Copies of the Notice and Application and accompanying documents may be obtained from the Coalbed Methane Review Board of the West Virginia Department of Environmental Protection, Office of Oil and Gas 601 57th St., SE, Charleston WV 25304 Telephone: (304) 926-0450.

WELL OPERATOR-APPLICANT _____

ADDRESS _____

TELEPHONE _____

West Virginia Department of Environmental Protection
Office of Oil and Gas

NOTICE TO SURFACE OWNERS

The well operator named below is preparing to file for a permit from the state to drill a new well. Before a well work permit can be filed with the Chief of the Office of Oil and Gas, the well operator is required to have given notice of the right to request water well or spring analytical testing. This notice shall be given to the owners or occupants of land which have a water well or spring being utilized for human consumption, domestic animals, or other general use and which is located within 1000 feet of the proposed well site.

With this form, the operator is giving you notice of your right to request analytical testing. The operator is required to sample and analyze the water wells or springs of all owners or occupants who request it. Therefore, if you wish to have your water well or spring tested, contact the operator named below.

All sampling shall be completed prior to drilling. Within thirty (30) days of the receipt of such sample analyses the operator shall submit the results to the Chief of the Office of Oil and Gas and to the owners or occupants who may have requested them.

If no water well or spring is located within 1000 feet, the Chief may require the operator to sample and analyze water from a water well or spring within 2000 feet of the proposed well site.

Be advised, you have the right to sample and analyze any water supply at your own expense.

The laboratory used by the operator to analyze the samples will be approved by the Chief. The operator named below has decided to use the following laboratory to analyze the water samples:

_____ Contractor Name _____
_____ Well operator's private laboratory _____

Well Operator _____
Address _____

Telephone _____

FOR OPERATOR'S USE ONLY: Below, or on an attached page, list those persons which were given this notice. Place an asterisk beside the one(s) that contacted you and requested sampling and analyses. If there were no requests made, indicate by underling which one you have selected to sample and analyze. If there are no water wells or springs within 1000 feet of the proposed site please indicate such.

WW-2A Coal Waiver

COAL OPERATOR, OWNER, OR LESSEE WAIVER

County _____
Operator _____ Operator's Well Number _____

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

To the coal operator, owner, or lessee named on page WW2-A. You are hereby notified that any objection you wish to make or are required to make by WV Code 22-6-15, 16 or 17, must be filed with the Chief of the Office of Oil and Gas within fifteen (15) days after the receipt of this application by the Office. Mail objections to:

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0499 extension 1654

WAIVER

The undersigned coal operator _____/ owner _____/ lessee _____/ of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

FOR EXECUTION BY A NATURAL PERSON

FOR EXECUTION BY A CORPORATION, ETC.

	Date		Company Name	
Signature			By	
			Its	Date
				Date