

## 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

November 20, 2015

#### WELL WORK PLUGGING PERMIT

### Plugging

This permit, API Well Number: 47-6900002, issued to TUNNEL RIDGE, LLC, 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.

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Chief

James Martin

Operator's Well No: 1

Farm Name: RODGERS, J.M.

**API Well Number: 47-6900002** 

Permit Type: Plugging
Date Issued: 11/20/2015

Promoting a healthy environment.

# 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.

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WW-4B Rev. 2/01

1) Date <b>08</b>	/11	,	20 15	
2) Operat				
Well N	0.1			
3) API We	ll No.	47-069	- 0002	

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

5)	Location: Elevation 1009	Watershed Rices Run of Castleman Run
	District Liberty	County Ohio Quadrangle Bethany
6)	Well Operator Tunnel Ridge, LLC	7) Designated Agent John Dubowski
	Address 2596 Battle Run Road, Triadelphia, WV 26059	Address 2596 Battle Run Road
		Triadelphia, WV 26059
)	Oil and Gas Inspector to be notified	
	Name Eric Blend Address PO Box 2115	Name
	Wheeling, WV 26003	Address
	vineeling, vvv 20003	
	See attached Petition to Modify  MSHA LOLC,	er of plugging this well is as follows:
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WW-4C Rev 7/27/04

# STATE OF WEST VIRGINIA - DEPARTMENT OF ENVIRONMENTAL PROTECTION

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[Service of this notice may be by certified mail return receipt requested (file the return receipt card with the Department of Environmental Protection DEP), personal service (file form WW-70 with the DEP) or by such manner as is sufficient for service of process in a civil action in court (with corresponding proof of service to be filed with the DEP). In the event there is no owner or operator of record with the Chief or no oil and gas lessee of record with the Chief, this notice must be posted in a conspicuous place at or near the well. Service and posting must be done at least 20 days prior to entering onto the surface to began plugging.]

11/20/2015



### STATE OF WEST VIRGINIA - DEPARTMENT OF ENVIRONMENTAL PROTECTION

SPECIAL NOTICE OF PLUGGING OF ABANDONED OIL OR GAS WELL BY AN INTERESTED PARTY (Page 2 of 2)

NOTICE INFORMATION FOR SURFACE OWNERS, WELL OWNERS AND OPERATORS, AND OIL AND GAS LESSEES

It is lawful pursuant to The West Virginia Abandoned Well Act (W.Va. Code 22-6-1 et seq.) and the rules and regulations promulgated pursuant to that law (all of which will be called the "Act" in the rest of this notice) for any interested person, the operator of a well, or the Chief of the Department of Environmental Protection (Chief) to enter upon the premises where any abandoned well is situated and properly plug or replug the well and reclaim any area disturbed by the plugging or replugging. A permit to do the plugging or replugging must be obtained from the West Virginia Department of Environmental Protection.

You are hereby notified that the party proposing to plug the oil or gas well identified on the reverse side of this notice is claiming to be an "interested party" in the plugging of that well as that term is defined by the Act. This interested party is claiming that well is "abandoned" within the meaning of W. Va. Code 22-6-19 because it is a dry hole or because it has not been in "use" for a period of 12 months and no satisfactory proof of a "bona fide" future use" for the well has been furnished to the Director.

#### ADDITIONAL NOTICE INFORMATION FOR SURFACE OWNERS

Any interested person who plugs a well pursuant to the provision of the Act must repair the damage or disturbance resulting from the plugging or compensate the surface owners for the damage or disturbance. This requirement of the Act is in addition to any rights and remedies any party may have pursuant to common law or other statutes. The compensation provided by the Act if the interested party does not fully repair the damage or disturbance is (i) the reasonable cost of repairing or placing any water well, (ii) the reasonable value of any crops destroyed, damaged or prevented from reaching market, (iii) the reasonable cost of repair to personal property up to the value of the replacement value of personal property of like age, wear and quality, (iv) lost income or expense incurred, and (v) reasonable costs to reclaim or repair real property including roads.

When the interested person is finished with the reclamation, the interested person must send the surface owners a letter advising that the reclamation has been completed. If the surface owners do not agree with the interested party that as to the adequacy of the repairs performed or the amount of compensation to which the surface owners may be entitled, either party may bring a civil action in court. In addition either party upon written notice to the other may elect to have that issue finally determined by binding arbitration pursuant to W. Va. Code 55-10-1 et seq. For materials further explaining the arbitration process please contact the Chief.

### ADDITIONAL NOTICE INFORMATION FOR OWNERS OR OPERATORS OF WELLS

In the event the owner or operator of a well fails or has failed to plug an abandoned well in accordance with laws and regulations in effect at the time the well is or was first subject to plugging requirements, any interested persons who plugs or replugs such well pursuant to the provisions of this section may recover from the owner or operator of such well all reasonable costs incidental to such plugging or replugging, including any compensation provided for in this section. In the event funds from the oil and gas reclamation fund established pursuant to section twenty-nine, article one of this chapter are used to plug or replug such well, the Secretary shall be entitled to recover from the owner or operator of such well any amounts so expended from the fund. Any amounts so recovered by the Chief shall be deposited in said fund.

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 of regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the posterior of the parties in the pa 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.

U.S. Department of Labor

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Mine Safety and Health Administration 1100 Wilson Boulevard Arlington, Virginia 22209-3939



### MAR 2 8 2012

In the matter of: Tunnel Ridge LLC Tunnel Ridge Mine I. D. No. 46-08864

Petition for Modification

Docket No. M-2011-019-C

# PROPOSED DECISION AND ORDER

On April 25, 2011, a petition was filed seeking a modification of the application of 30 C.F.R. § 75.1700 to Petitioner's Tunnel Ridge Mine located near Triadelphia in Ohio County, West Virginia. The petitioner alleges that the alternative method outlined in the petition will at all time guarantee no less than the same measure of protection afforded by the standard.

On September 21, 2011 MSHA conducted an investigation of the petition and filed a report of their findings and recommendations with the Administrator for Coal Mine Safety and Health. After a careful review of the entire record, including the petition and MSHA's investigative reports, this Proposed Decision and Order (PDO) is issued.

# Finding of Fact and Conclusion of Law

The Tunnel Ridge Mine will operate in the Pittsburgh No. 8 coal seam. The average depth of cover is 550 feet. The mining height will average 84 inches in this seam and continuous mining sections will use room and pillar methods to develop longwall gate road entries for subsequent longwall retreat mining.

The alternative method proposed by the Petitioner (as amended by the recommendations of MSHA) will at all times guarantee no less than the same measure of protection afforded the miners under 30 C.F.R. § 75.1700.

On the basis of the petition and the findings of MSHA's investigation, Tunnel Ridge LLC, is granted a modification of the application of 30 C.F.R. § 75.1700 to its Tunnel Ridge Mine.

#### ORDER

Under the authority delegated by the Secretary of Labor to the Administrator for Coal Mine Safety and Health and under § 101(c) of the Federal Mine Safety and Health Act of

You can now file your MSHA forms online at www.MSHA.gov. It's easy, it's fast, and it saves you money

Environmental protection
11/20/2015

1977, 30 U.S.C. § 811(c) and 30 C.F.R. Part 44, a modification of the application of 30 C.F.R. § 75.1700 at the Tunnel Ridge Mine is hereby:

GRANTED, subject to the following terms and conditions:

# 1. <u>DISTRICT MANAGER APPROVAL REQUIRED</u>

- a. A safety barrier of 300 feet in diameter (150 feet between any mined area and a well) shall be maintained around all oil and gas wells until approval to proceed with mining has been obtained from the district manager.
- b. Prior to mining within the safety barrier around any well, the mine operator shall provide to the district manager a sworn affidavit or declaration executed by a company official stating that all mandatory procedures for cleaning out, preparing, and plugging each gas or oil well have been completed as described by the terms and conditions of this order. The affidavit or declaration must be accompanied by all logs described in subparagraphs 2(a)(2) and 2(a)(3) below and any other records described in those subparagraphs which the district manager may request. The district manager will review the affidavit or declaration, the logs and any other records that have been requested, and may inspect the well itself, and will then determine if the operator has complied with the procedures for cleaning out, preparing and plugging each well as described by the terms and conditions of this Order. If the district manager determines that the procedures have been complied with, he will provide his approval, and the mine operator may then mine within the safety barrier of the well, subject to the terms of this Order.
- c. The terms and conditions of this Order apply to all types of mining.

# 2. MANDATORY PROCEDURES FOR CLEANING OUT. PREPARING, PLUGGING. AND REPLUGGING OIL OR GAS WELLS

# a. MANDATORY PROCEDURES FOR CLEANING OUT AND PREPARING OIL AND GAS WELLS PRIOR TO PLUGGING OR REPLUGGING

(1) The operator shall completely clean out the well from the surface to at least 200 feet below the base of the lowest mineable coal seam, unless the district manager requires cleaning to a greater depth based on his judgment as to what is required due to the geological strata, or due to the pressure within the well (the operator shall provide the district manager with all information it possesses concerning the geological nature of the strata and the pressure of the well). The operator shall remove all material from the entire diameter of the

11/20/2015

well, wall to wall. Directing high pressure water jets at the outer walls of the well along the entire length to be cleaned will satisfy this provision with respect to the outer walls.

- (2) The operator shall prepare down-hole logs for each well. They shall consist of a caliper survey and log(s) suitable for determining the top, bottom, and thickness of all coal seams and potential hydrocarbon producing strata and the location for a bridge plug. The district manager may approve the use of a down-hole camera survey in lieu of down-hole logs if in his judgment such logs would not be suitable for obtaining the above-listed data. Whichever method is used, a journal shall be maintained describing the depth of each material encountered, the nature of each material encountered; bit size and type used to drill each portion of the hole; length and type of each material used to plug the well; length of casing(s) removed, perforated or ripped or left in place; and other pertinent information concerning cleaning and sealing the well. Invoices, work-orders, and other records relating to all work on the well shall be maintained as part of this journal and provided to MSHA upon request.
- (3) When cleaning out the well as provided for in subparagraph (a)(1), the operator shall make a diligent effort to remove all of the casing in the well. If it is not possible to remove all of the casing, then the operator must take appropriate steps to ensure that the annulus between the easing and between the casings and the well walls are filled with expanding (minimum 0.5% expansion upon setting) cement and contain no voids. Any casing which remains shall be perforated or ripped. From 10 feet below the coal seam to 10 feet above the coal seam, the operator shall perforate or rip at intervals of at least 5 feet. Beyond this distance, perforations or rips are required at least every 50 feet from at least 200 feet below the base of the lowest mineable coal seam up to 100 feet above the seam being mined, unless the district manager requires a greater distance based on his judgment that a greater distance is required due to the geological strata, or due to the pressure within the well. When a mineable seam exists which is higher than the seam being mined, the operator shall contact the owner of that seam by certified mail and offer to perforate or rip and plug the well to 100 feet above that seam in accordance with the procedures specified in this Agreement, in exchange for payment for the additional cost by that owner. If the owner accepts the operator's offer, then the operator shall perforate or rip and plug the well to 100 feet above that seam in accordance with the procedures specified in this Agreement. If the operator, with the procedures specified in this Agreement. If the operator, using a casing bond log, can demonstrate to the satisfaction of the district manager that all annuli in the well are already adequately sealed with cement, then the operator will not be required to  $\frac{1}{6}$ perforate or rip the casing for that particular well. When multiple casing and tubing strings are present in the coal horizon(s), any casing which remains shall be ripped or perforated and filled with

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expanding cement as indicated above. An acceptable casing bond log for each casing and tubing string is needed if used in lieu of ripping or perforating multiple strings.

- (4) If the district manager concludes that the completely cleaned-out well is emitting excessive amounts of gas, the operator must place a mechanical bridge plug in the well. It must be placed in a competent stratum at least 200 feet below the base of the lowest mineable coal seam, but above the top of the uppermost hydrocarbon-producing stratum, unless the district manager requires a greater distance based on his judgment that it is required due to the geological strata, or due to the pressure within the well (the operator shall provide the district manager with all information it possesses concerning the geological nature of the strata and the pressure of the well). If it is not possible to set a mechanical bridge plug, an appropriately sized packer may be used.
- (5) If the upper-most hydrocarbon-producing stratum is within 300 feet of the base of the lowest minable coal seam, the operator shall properly place mechanical bridge plugs as described in subparagraph (a)(4) to isolate the hydrocarbon producing stratum from the expanding cement plug. Nevertheless, the operator shall place a minimum of 200 feet of expanding cement below the lowest mineable coal seam, unless the district manager requires a greater distance based on his judgment that it is required due to the geological strata, or due to the pressure within the well.

### MANDATORY PROCEDURES FOR PLUGGING OR REPLUGGING OIL b. OR GAS WELLS TO THE SURFACE.

After completely cleaning out the well as specified in paragraph 2(a) above, the following procedures shall be used to plug or replug gas or oil wells to the surface:

(1) The operator shall pump expanding cement slurry down the well to form a plug which runs from at least 200 feet below the base of the lowest mineable coal seam (or lower if required by the district manager based on his judgment that a lower depth is required due to the geological strata, or due to the pressure within the well) to the surface. The expanding cement will be placed in the well under a pressure of at least 200 pounds per square inch. Portland cement or a lightweight cement mixture may be used to fill the area from 100 feet above the top of the uppermost mineable coal seam (or higher if required by the district manager based on his judgment that a higher distance is required due to the geological strata, or due to the pressure within the well) to the surface. When a mineable seam exists which is higher than the seam being mined, the operator shall contact the owner of that seam by certified mail and offer to plug the well to 100

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feet above that seam with expanding cement, in exchange for payment for the additional cost by that owner. If the owner accepts the operator's offer, then the operator shall plug the well to 100 feet above that beam with expanding cement.

(2) The operator shall embed steel turnings or other small magnetic particles in the top of the cement near the surface to serve as a permanent magnetic monument of the well. In the alternative, a 41/2 inch or larger casing, set in cement, shall extend at least 36 inches above the ground level with the API well number engraved or welded on the casing

# c. MANDATORY PROCEDURES FOR PLUGGING OR REPLUGGING OIL AND GAS WELLS FOR USE AS DEGASIFICATION BOREHOLES.

After completely cleaning out the well as specified in paragraph 2(a) above, the following procedures shall be utilized when plugging or replugging oil or gas wells that are used as degasification boreholes:

- (1) The operator shall set a cement plug in the well by pumping an expanding cement slurry down the tubing to provide at least 200 feet of expanding cement below the lowest mineable coal seam, unless the district manager requires a greater depth based on his judgment that a greater depth is required due to the geological strata, or due to the pressure within the well. The expanding cement will be placed in the well under a pressure of at least 200 pounds per square inch. The top of the expanding cement shall extend at least 100 feet above the top of the coal seam being mined, unless the district manager requires a greater distance based on his judgment that a greater distance is required due to the geological strata, or due to the pressure within the well.
- (2) The operator shall securely grout into the bedrock of the upper portion of the degasification well a suitable casing in order to protect it. The remainder of this well may be cased or uncased.
- The operator shall fit the top of the degasification casing with a wellhead equipped as required by the district manager in the approved ventilation plan. Such equipment may include check valves, shut-in valves, sampling ports, flame arrestor equipment, and case security fencing.
- (4) Operation of the degasification well shall be addressed in the approved ventilation plan. This may include periodic tests of the methane levels and limits on the minimum methane concentrations that may be extracted.
- (5) After the area of the coal mine that is degassed by a well is sealed or

the coal mine is abandoned, the operator must seal degas holes using the following procedures:

- (i) The operator shall insert a tube to the bottom of the drill hole or, if not possible, to at least 100 feet above the American Eagle Coal Seam. Any blockage must be removed to ensure that the tube can be inserted to this depth.
- (ii) The operator shall set a cement plug in the well by pumping Portland cement or a lightweight cement mixture down the tubing until the well is filled to the surface.
- (iii) The operator shall embed steel turnings or other small magnetic particles in the top of the cement near the surface to serve as a permanent magnetic monument of the well. In the alternative, a 4'/2 inch or larger casing, set in cement, shall extend at least 36 inches above the ground level with the API well number engraved or welded on the casing.

# d. MANDATORY ALTERNATIVE PROCEDURES FOR PREPARING AND PLUGGING OR REPLUGGING OIL OR GAS WELLS.

The following provisions apply to all wells which the operator determines, and the MSHA district manager agrees, cannot be completely cleaned out due to damage to the well caused by subsidence, caving or other factors.

- (1) The operator shall drill a hole adjacent and parallel to the well, to a depth of at least 200 feet below the lowest mineable coal seam, unless the district manager requires a greater depth based on his judgment that a greater depth is required due to the geological strata, or due to the pressure within the well.
  - (2) The operator shall use a geophysical sensing device to locate any casing which may remain in the well.
  - from the parallel hole. From 10 feet below the coal seam to 10 feet above the coal seam, the operator shall perforate or rip all casings at intervals of at least 5 feet. Beyond this distance, the operator shall perforate or rip at least every 50 feet from at least 200 feet below the base of the lowest mineable coal seam up to 100 feet above the seam being mined, unless the district manager requires a greater distance based on his judgment that a greater distance is required due to the geological strata, or due to the pressure within the well. The operator shall fill the annulus between the casings and between the casings and the well wall with expanding (minimum 0.5% expansion upon setting) cement, and shall ensure that these areas contain no voids. If the operator, using a casing bond log, can demonstrate to the satisfaction of the district manager that the annulus of the well is

adequately sealed with cement, then the operator will not be required to perforate or rip the casing for that particular well, or fill these areas with cement. When multiple casing and tubing strings are present in the coal horizon(s), any casing which remains shall be ripped or perforated and filled with expanding cement as indicated above. An acceptable casing bond log for each casing and tubing string is needed if used in lieu of ripping or perforating multiple strings.

- (4) Where the operator determines, and the district manager agrees, that there is insufficient casing in the well to allow the method outlined in subparagraph (d)(3) to be used, then the operator shall use a horizontal hydraulic fracturing technique to intercept the original well. From at least 200 feet below the base of the lowest mineable coal seam to a point at least 50 feet above the seam being mined, the operator shall fracture in at least six places at intervals to be agreed upon by the operator and the district manager after considering the geological strata and the pressure within the well. The operator shall then pump expanding cement into the fractured well in sufficient quantities and in a manner which fills all intercepted voids.
- The operator shall prepare down-hole logs for each well. They shall consist of a caliper survey and log(s) suitable for determining the top, bottom, and thickness of all coal seams and potential hydrocarbon producing strata and the location for the bridge plug. The operator may obtain the logs from the adjacent hole rather than the well if the condition of the well makes it impractical to insert the equipment necessary to obtain the log. The district manager may approve the use of a down-hole camera survey in lieu of down-hole logs if in his judgment such logs would not be suitable for obtaining the abovelisted data or are impractical to obtain due to the condition of the drill hole. A journal shall be maintained describing the depth of each material encountered, the nature of each material encountered; bit size and type used to drill each portion of the hole; length and type of each material used to plug the well; length of casing(s) removed, perforated or ripped or left in place; and other pertinent information concerning sealing the well. Invoices, work-orders, and other records relating to all work on the well shall be maintained as part of this journal and provided to MSHA upon request.

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After the operator has plugged the well as described in (6) subparagraphs (d)(3) and/or (d)(4), the operator shall plug the adjacent hole, from the bottom to the surface, with Portland cement or a lightweight cement mixture. The operator shall embed steel turnings or other small magnetic particles in the top of the cement near the surface to serve as a permanent magnetic monument of the well. In the alternative, a 4 1/2 inch or larger casing, set in cement, shall extend at least 36 inches above the ground level A combination of the methods outlined in subparagraphs (d)(3) and (d)(4) may have to be used in a single well, depending upon the conditions of the hole and the presence of casings. The operator and the district manager should discuss the nature of each hole. The district manager may require that more than one method be utilized.

- 3. MANDATORY PROCEDURES AFTER APPROVAL HAS BEEN GRANTED BY THE DISTRICT MANAGER TO MINE WITHIN THE SAFETY BARRIER, OR TO MINE THROUGH A PLUGGED OR REPLUGGED WELL
  - a. A representative of the operator, a representative of the miners, the appropriate State agency, or the MSHA district manager may request that a conference be conducted prior to mining through any plugged or replugged well. Upon receipt of any such request, the district manager shall schedule such a conference. The party requesting the conference shall notify all other parties listed above within a reasonable time prior to the conference to provide opportunity for participation. The purpose of the conference shall be to review, evaluate, and accommodate any abnormal or unusual circumstance(s) related to the condition of the well or surrounding strata when such conditions are encountered.
  - b. The operator shall mine through a well on a shift approved by the district manager. The operator shall notify the district manager and the miners' representative in sufficient time prior to mining-through a well in order to provide an opportunity to have representatives present.
  - c. When using continuous mining methods, the operator shall install drivage sights at the last open crosscut near the place to be mined to ensure intersection of the well. The drivage sites shall not be more than 50 feet from the well. When using longwall-mining methods, drivage sights shall be installed on 10-foot centers for a distance of 50 feet in advance of the well. The drivage sights shall be installed in the headgate.
  - d. The operator shall ensure that fire-fighting equipment including fire extinguishers, rock dust, and sufficient fire hose to reach the working face area of the mine through (when either the conventional or continuous mining method is used) is available and operable during all well mine throughs. The fire hose shall be located in the last open crosscut of the entry or room. The operator shall maintain the water line to the belt conveyor tailpiece along with a sufficient amount of fire hose to reach the farthest point of penetration on the section. When the longwall mining method is used, a hose to the longwall water supply is sufficient.
  - e. The operator shall ensure that sufficient supplies of roof support and ventilation materials shall be available and located at the last open crosscut. In addition, emergency plugs shall be available in the immediate area of the mine through.

- f. On the shift prior to mining through the well, the operator shall service all equipment and check it for permissibility
- g. The operator shall calibrate the methane monitor(s) on the longwall, continuous mining machine, or cutting machine and loading machine on the shift prior to mining through the well.
- h. When mining is in progress, the operator shall perform tests for methane with a handheld methane detector at least every 10 minutes from the time that mining with the continuous mining machine or longwall face is within 30 feet of the well until the well is intersected and immediately prior to mining through it. During the actual cutting process, no individual shall be allowed on the return side until the mine through has been completed and the area has been examined and declared safe. All workplace examinations will be conducted on the return side of the shearer while the shearer is idle.
- i. When using continuous or conventional mining methods, the working place shall be free from accumulations of coal dust and coal spillages, and rock dust shall be placed on the roof, rib, and floor to within 20 feet of the face when mining through the well. On longwall sections, rock dusting shall be conducted and placed on the roof, rib, and floor up to both the headgate and tailgate gob.
- j. When the well is intersected, the operator shall de-energize all equipment, and thoroughly examine and determine safe the area before mining is resumed.
- k. After a well has been intersected and the working place determined safe, mining shall continue inby the well a sufficient distance to permit adequate ventilation around the area of the well.
- No open flame shall be permitted in the area until adequate ventilation has been established around the well bore. The operator shall apply a thick layer of rock dust to the roof, face, floor, ribs and any exposed coal within 20 feet of the casing prior to any use of torches.
- Mon-sparking (brass) tools will be located on the working section and will be used to expose and examine cased wells.
- n. No person shall be permitted in the area of the mine through operation except those actually engaged in the operation, including company personnel, representatives of the miners, personnel from MSHA, and personnel from the appropriate State agency.
- o. The operator shall alert all personnel in the mine to the planned intersection of the well prior to their going underground if the planned intersection is to occur during their shift. This warning shall be repeated for all shifts until the well has been mined through.

specific objections to the proposed decision. A party other than Petitioner who has requested a hearing may also comment upon all issues of fact or law presented in the petition, and any party to this action requesting a hearing may indicate a desired hearing sire. If no request for a hearing is filed within 30 days after service thereof, the Decision and Order will become final and must be posted by the operator on the mine bulletin board at the mine.

Charles J. Thomas

Deputy Administrator for Coal Mine Safety and Health

Ches of End Gas

SEP 16 2015

SEP 16 2015

11/20/2016

# Certificate of Service

Mr. Jack Price, Safety Director Tunnel Ridge Mine 2596 Battle Run Road Triadelphia, West Virginia 26059

> Shameka Green Secretary

cc: C.A. Phillips, Director, Division of Mines and Minerals West Virginia Department of Energy

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# WEST VIRGINIA DEPARTMENT OF MINES

# OIL & GAS SECTION

# PRELIMINARY DATA SHEET NO. 1

File No.		Well No. I.	<u>;</u>
L.M. IRWIN	Company, of Avella	, Pa,	
	on the J.M. RODGERS	Fairm	<u>,</u>
containing 45 ucres	Location 41b	erty	
Dis	strict, in Ohio	County, W. Va.	
The aurface of t	he abovo tract is owned	in fee by	
I M DODGEDO	est Alexander, Pu.		
nineral rights are owned b	J.M. TIMNONS	of West Alexander,	Pa
•	privileges are held und	or loase by the	
above named company, and t	his well is drillod und	or permit No. 1.	
issued by the West Virgini	a Department of Minos, (	Oil and Gas Section,	
	, 9 1929	) <b>.</b>	
Elevation of sur	face at top of well, 160	Spirit	.•
The number of feet of the	· · · · ·		•
	feet_ <u>13#</u>		
<u>18 feet 7*feet 10*</u> s	<u>.</u>	•	
•	ize, csg. fee	•	
•	120,08gfec		
•		•	
•	r of size		
•	er of size		
	orforated at 1'oct	,	
	rforated at foot	<del>• • • • • • • • • • • • • • • • • • • </del>	
Coal was encountered at 11		•	•
	hickness 2 feet inches	and at 372 feet;	
thickness 4 feet inc			
Liners were used as follow	s: (Givo details) non	•	. ;
- i - Aire is	·	<del></del>	, i
60 100 100			'G32
( DEC 79/920 )		- Ya O'Ya'	٠٠ رويم .
W. S. Via	Date,	Office 165	7/2
VRGINIA	Approved Approved	, SEI	criositi
• •		Whole .	. P
	Ву	(113 +3 6)	

### COMPLETION DATA SHEET NO. 2

### FORMATION RECORD

KAME	COLOR	CHARACTER	OIL, GAS OR WATER	TOP	BOTTOM	THICK NESS		MADES
nge k Sand	Black Dark White Dark White Dark White Dark White	Soft Hard Soft Hard Soft Hard	Water Water 35 ft	10 18 18 24 32 40 60 75	12 18 24 58 40 60 75 85	10 2 6 8 6 28 15	75 85 118	enough t irill wi lole ful
coal burg,	Dark Bleok Dark White Dark White Dark White Dark White Dark	Soft Soft Soft Hard Soft Hard Boft Hard	Water-151 160	85 118 113 158 160 185 810 880 300	118 113 158 160 185 810 880 500	27 1 29 6 25 25 20 60 60	115 152 181 150 185 810 880 800 506	SBailers li hour
e town	Black Dark White Dark White Black Black Black White	Soft Soft Hard Soft Hard Soft Hard		306 308 315 322 538 350 372 376	508 515 588 550 550 578 576 588	2 7 7 16 12 88	508 515 588 558 550 572 576 588	
Rook O hy Sand	White White Red Light White White Dark	Soft Hard Soft Boft Hard Hard Soft		575 485 450 460 505 528 638 635	425 450 460 505 526 632 635 641	45 25 10 45 25 104 5	425 450 460 505 525 538 535	,
Shella • • Rock,	White White Park Red Dark Dark	Hard Soft Hard Soft Soft Hard		541 655 685 730 736	655 685 730 736 760 780 798	14 50 45 6 84 80 18	655 685 736 736 760 780	

NOTE: All bottom formations must be noted as indicated above and all key-rocks and oil and gus sands must be recorded under their proper geological names in the district as well as any local names for which strata that may be common to the district.

No. 5 O.F.-Ohio

By L. M. Frwin.

Preliminary data sheet missing.

Completion data sheet No. 2, marked Ohio-1, dated Aug. 18, 1929, and filed with Dept. of Mines Sept. 19, 1929.

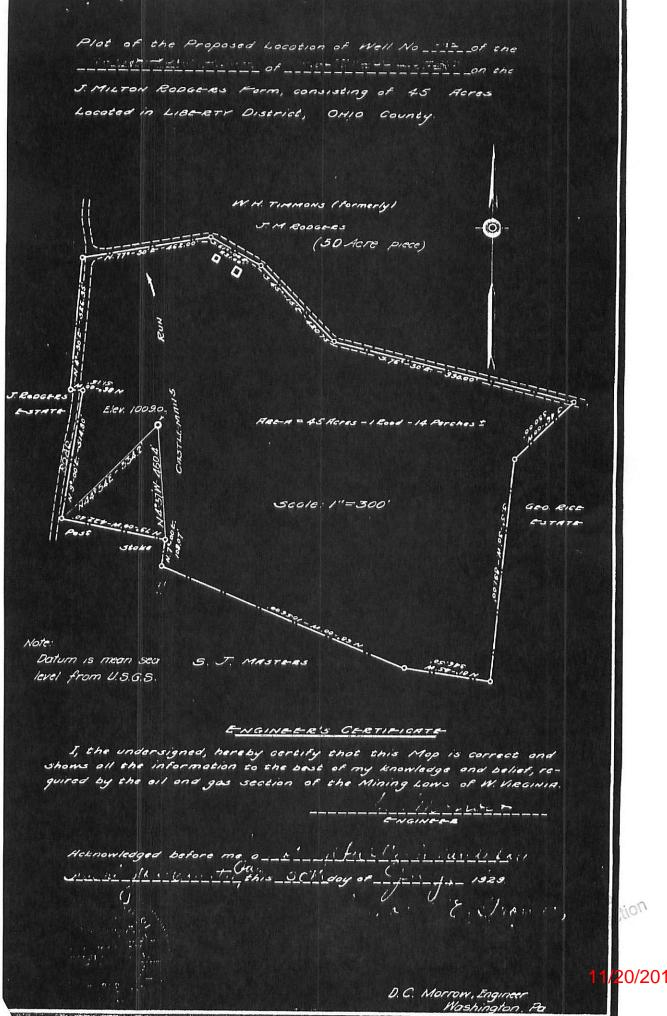
Well was shot at 529-538!

Fresh water at 16!; salt water at 645!.

Dry hole.

•	Top.	В	ottom.
Subsoil	0		13
Shale, white, soft (hole full of fresh			-
water at 161)	13	_	140
Lime, white, hard	140		
Shale, white, soft	160	-	245
Lime, white, hard	245	-	290
Shale, dark, soft	290	-	350
Lime, white, hard	350	-	375
Pittsburgh Coal, black	375	-	381
Lime, white, hard	381		
Shale, white, soft	395		
Shale, red, soft	<i>1</i> 1,110		
Shale, white, soft	460	-	5 <b>29</b>
Murphy Sand, white, medium	52 <b>9</b>	-	605
Shale, white, soft	605	-	635
Sand, white, hard (little salt water			
at. 6451)	635	-	655
Shale, white, soft, to bottom	655	-	672

	LATITUDE 40° 10' 00"	
		go, 20, 00"
		<i>B</i>
		-
	_ 🛦	<u> </u>
		LONGITUDE
		IDE
	7'5 OGIS topo location	
	7.5' loc 1.795 15' loc	
	1.63 w (colc.)	
company LM Inwin	-	
Farm		) dias
	WELL LOCATION MAP THE File No. 069 - 6002 16	,0
Quad BETHANY 7/2'	File No. OG9 - 6002 16	501) 501)
Ruad <u>BETHANS</u> 7/2' County <u>OHIO</u>	File No. <u>069 - 6002</u> 16	ont of
District LIBERTY		
	EN	11/20/2015
		1



20/2015

WW-4A Revised 6-07

1) Date:	08/11/2015				
2) Operator's	Well Numb	er			
3) API Well No	o.: 47 -	069	_	0002	

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

4) Surface Owner(s) to be served:	M \	(40 10		
	5)	(a) Coal Operator	Turnel Bidge 110	/
(a) Name Lewis I. Rodgers		Name	Tunnel Ridge, LLC	
Address 94 McCoy Road	4.00000	Address	2596 Battle Run Road, Triadelphia, WV 26059	
Valley Grove, W	V 20000	4) 0-10	( ) ( ) ( ) ( ) ( ) ( )	
(b) Name			ner(s) with Declaration	
Address		Name		
		Address		
(c) Name		Name		
Address		Address		
			see with Declaration	
Address		Name		A : 43
		Address		
Telephone		-		
			ved this Form and the following documents:	
The reason you received these docum However, you are not required to take	ents is that you have ri any action at all.	ghts regarding the applica	tion which are summarized in the instructions on the rev	erses side.
However, you are not required to take  Take notice that under Chapter 22-6 of accompanying documents for a permit Protection, with respect to the well at	any action at all.  of the West Virginia Co- t to plug and abandon a the location described of the mailed by registered	de, the undersigned well of well with the Chief of the on the attached Application d or certified mail or deliv	tion which are summarized in the instructions on the rev perator proposes to file or has filed this Notice and Applio Office of Oil and Gas, West Virginia Department of Envi in and depicted on the attached Form WW-6. Copies of the vered by hand to the person(s) named above (or by pub	cation and ronmental
However, you are not required to take  Take notice that under Chapter 22-6 of accompanying documents for a permit Protection, with respect to the well at the Application, and the plat have be	any action at all.  of the West Virginia Co- t to plug and abandon a the location described of the mailed by registered	de, the undersigned well of well with the Chief of the on the attached Application d or certified mail or deliv	perator proposes to file or has filed this Notice and Appli Office of Oil and Gas, West Virginia Department of Envi	cation and ronmental
However, you are not required to take  Take notice that under Chapter 22-6 of accompanying documents for a permit Protection, with respect to the well at the Application, and the plat have be	any action at all.  of the West Virginia Coot to plug and abandon a the location described open mailed by registered e day of mailing or delivity.  Well Operator	de, the undersigned well of well with the Chief of the on the attached Application d or certified mail or deliv	perator proposes to file or has filed this Notice and Appli Office of Oil and Gas, West Virginia Department of Envi	cation and ronmental
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Take notice that under Chapter 22-6 caccompanying documents for a permit Protection, with respect to the well at the Application, and the plat have be certain circumstances) on or before the Corporation of the Corporation	any action at all.  of the West Virginia Coat to plug and abandon a the location described can mailed by registered e day of mailing or delivity.  Well Operator By:  Its:	de, the undersigned well of well with the Chief of the on the attached Application d or certified mail or delivery to the Chief.	perator proposes to file or has filed this Notice and Applio Office of Oil and Gas, West Virginia Department of Envin and depicted on the attached Form WW-6. Copies of the vered by hand to the person(s) named above (or by pub.	cation and ronmental
Take notice that under Chapter 22-6 of accompanying documents for a permit Protection, with respect to the well at the Application, and the plat have be certain circumstances) on or before the NOTARY PUBLIC STATE OF WEST VIRGINIA	any action at all.  of the West Virginia Coot to plug and abandon a the location described open mailed by registered eday of mailing or delivity.  Well Operator By:	de, the undersigned well of well with the Chief of the on the attached Application of the certified mail or delivery to the Chief.  Tunnel Ridge, LLC John Dubowski Permitting and Environ	perator proposes to file or has filed this Notice and Applio Office of Oil and Gas, West Virginia Department of Envin and depicted on the attached Form WW-6. Copies of the vered by hand to the person(s) named above (or by pub.	cation and ronmental
Take notice that under Chapter 22-6 caccompanying documents for a permit Protection, with respect to the well at the Application, and the plat have be certain circumstances) on or before the NOTARY PUBLIC STATE OF WEST VIRGINIA EVAN MIDLER	any action at all.  of the West Virginia Cout to plug and abandon a the location described open mailed by registered ed any of mailing or delivity.  Well Operator By:  Its: Address	de, the undersigned well of well with the Chief of the on the attached Application of the certified mail or delivery to the Chief.  Tunnel Ridge, LLC John Dubowski Permitting and Environ	perator proposes to file or has filed this Notice and Applio Office of Oil and Gas, West Virginia Department of Envin and depicted on the attached Form WW-6. Copies of the vered by hand to the person(s) named above (or by pub	cation and ronmental
Take notice that under Chapter 22-6 of accompanying documents for a permit Protection, with respect to the well at the Application, and the plat have be certain circumstances) on or before the service of the certain circumstances.  OFFICIAL SEAL NOTARY PUBLIC STATE OF WEST VIRGINIA EVAN MIDLER Allence Coal LLC 2598 Battle Run Road Tradelohle. West Virginia 28059	any action at all.  of the West Virginia Control to plug and abandon a the location described of the mailed by registered eday of mailing or delivity.  Well Operator By:  Its: Address  Telephone	de, the undersigned well of well with the Chief of the on the attached Application of the certified mail or delivery to the Chief.  Tunnel Ridge, LLC John Dubowski Permitting and Environ	perator proposes to file or has filed this Notice and Applic Office of Oil and Gas, West Virginia Department of Environment and depicted on the attached Form WW-6. Copies of the vered by hand to the person(s) named above (or by public mental Coordinator  Triadelphia, WV 28059	cation and ronmental
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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@wy.gov.

11/20/2015

69 0000 2 P

#### POWER OF ATTORNEY

#### ALLIANCE COAL, LLC AND SUBSIDIARIES

TO

ROBERT W. RAY

MARCH 31, 2011

#### EXPIRES: INDEFINITE

KNOW ALL PERSONS BY THESE PRESENTS: That Alliance Coal, LLC (the "Company"), organized and existing under the laws of the State of Delaware, acting on its behalf and on behalf of its wholly owned subsidiaries, does hereby appoint Robert W. Ray, Manager, Permitting and Environmental Compliance of the Company, its true and lawful Attorney-in-Fact with power and authority, for and on behalf and in the name of the Company, to file for, execute, process, or otherwise take necessary action pertaining to environmental applications for air, waste, and water permits, applications for surface disturbance mining permits, renewals thereof, or amendments or supplements thereto, certificates or other instruments directly related to such applications, renewals, amendments or supplements required to be filed with any local, state or federal governmental agency related to the Company's coal mining operations.

All actions taken by said Attorney-in-Fact prior to the date hereof consistent with the authority granted herein are hereby ratified and confirmed.

The Attorney-in-Fact herein appointed shall be authorized to act hereunder from the date hereof only so long as such Attorney-in-Fact shall remain an employee or authorized agent of the Company, or until such earlier time as this instrument has been revoked, annulled, rescinded or set aside by an instrument of revocation filed with the Company, whichever first occurs.

IN WITNESS WHEREOF, the Company has caused this Power of Attorney to be executed on its behalf, and its scal to be hereunto affixed and attested, in the County of Fayette, Commonwealth of Kentucky, as of the day and year first above written, by the undersigned, R. Eberley Davis, the duly authorized Secretary of Alliance Coal, LLC and Subsidiaries.

Alliance Coal, LLC and Subsidiaries

Y: VI. C

R. Eberley Davis ( Senior Vice President, General Counsel

and Secretary

Office of Oil and Gas

SEP 1 6 2015

WV Department of Environmental Protection

COMMONWEALTH OF KENTUCKY)
) SS
COUNTY OF FAYETTE
)

PUBLIC

Before me, the undersigned, a Notary Public in and for said County and State, on this 31st day of March, 2011, personally appeared R. Eberley Davis, to me known to be the identical person who executed the within and foregoing instrument as Secretary of Alliance Coal, LLC and its subsidiaries and acknowledged to me that he executed the same as his free and voluntary act and deed and as the free and voluntary act and deed of the Company for the uses and purposes therein stated.

Given under my hand and seal of office on the day and year first above written,

W Rey - 3 31 11.des

Notary Public

My Commission Expires:

Office of Oil and Gas

SEP 16 2015

WV Department of
Environmental Protection

WW-4B

API No.	47-069@002	
Farm Name	J.M.Rodgers	
Well No.	2	

# INSTRUCTIONS TO COAL OPERATORS OWNERS AND LESSEE

The well operator named on the obverse side of WW-4 (B) is about to abandon the well described in the enclosed materials and will commence the work of plugging and abandoning said well on the date the inspector is notified. Which date shall not be less then five days after the day on which this notice and application so mailed is received, or in due course should be received by the Department of Environmental Protection Office of Oil & Gas.

This notice and application is given to you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of the Code and given in detail on obverse side of this application.

NOTE: If you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner, or Lessee for plugging" prior to the issuance of this plugging permit.

# 

WW-9 (5/13)

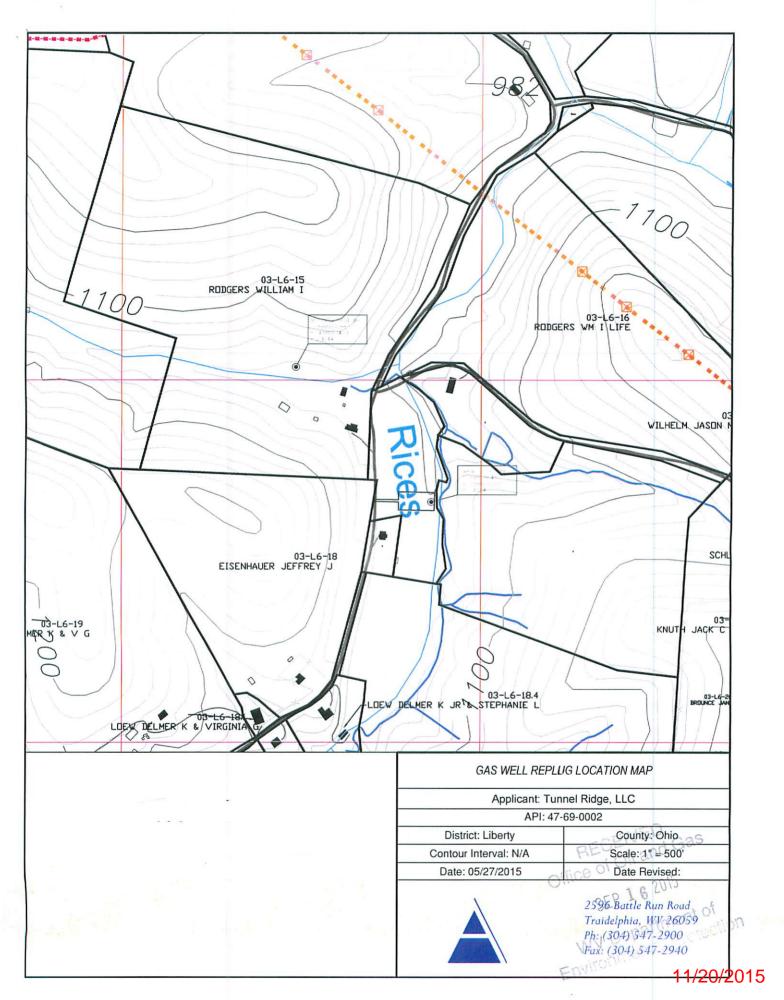
		Page	of
API Number	47 - 069	- 0002	
Operat	tor's Well	No. 2	

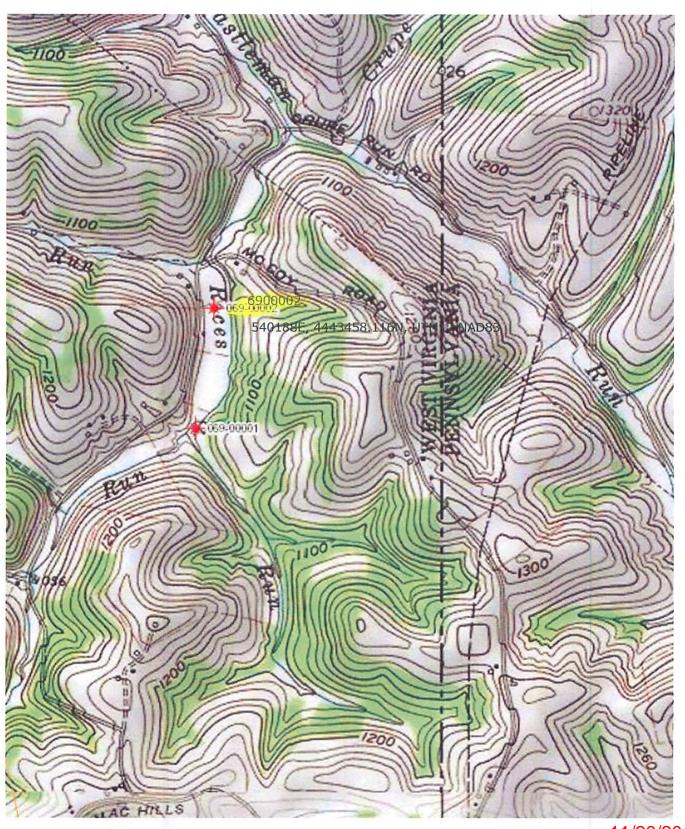
# STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

# FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Vatershed (HUC 10) Rices Run of Castleman Run    Quadrangle   Bethany
o you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes No XXXX
A STATE OF
A STATE OF
tion has an annual and annual and annual and annual and annual and annual annua
If so, please describe anticipated pit waste: N/A
Will a synthetic liner be used in the pit? Yes No XXXX 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
/ill closed loop system be used? NO
rilling medium anticipated for this well? Air, freshwater, oil based, etc. Air/Water
-If oil based, what type? Synthetic, petroleum, etc. N/A
dditives to be used in drilling medium? N/A
rill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Landfill
-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) 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? Tunnel Ridge refuse facility, O201608  I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT
n August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand the revisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other application can lead to enforcement action.  I certify under penalty of law that I have personally examined and am familiar with the information submitted of epplication form and all attachments thereto and that, based on my inquiry of those individuals immediately responsibilitions the information, I believe that the information is true, accurate, and complete. I am aware that there are significantly enables for submitting false information, including the possibility of fine or imprisonment.  Sompany Official Signature  John Dubowski
Company Official Title_ Permitting and Environmental Coordinator
Subscribed and sworn before me this 1) day of August  Evan Micler A Indian Michael August  Allance Coulled

Form WW-9 Operator's Well No. 2 Tunnel Ridge, LLC Proposed Revegetation Treatment: Acres Disturbed 0.50 Prevegetation pH Lime \_\_\_\_\_Tons/acre or to correct to pH 6.0 to 7.0 Fertilizer (10-20-20 or equivalent) 600 lbs/acre (500 lbs minimum) Mulch 0.5 Tons/acre Seed Mixtures Area I Area II Seed Type lbs/acre Seed Type lbs/acre Timothy 8, Red Clover 5 Timothy 8, Red Clover 5 Orchard Grass 6, Alsike Clover 3 Orchard Grass 6, Alsike Clover 3 Annual Rye Grass 9 Annual Rye Grass 9 Drawing(s) of road, location, pit and proposed area for land application. Photocopied section of involved 7.5' topographic sheet. Comments: WV Department of Environmental Protection Date: 08/11/2015 Title: Permitting Coordinator Field Reviewed?





# Office

### **Project**

18 November 2015

#### **INPUT**

State Plane, NAD83 4701 - West Virginia North, U.S. Feet

#### OUTPUT

UTM, NAD83 17 - 84W to 78W, Meters

Masters

1/2

Northing/Y: 597773.72 Easting/X: 1680725.09 Northing/Y: 4443028.294 Easting/X: 540101.548

Convergence: -0 39 23.17808 Scale Factor: 0.999980402 Convergence: 0 18 12.40114 Scale Factor: 0.999619796

Grid Shift (m.): X/Easting = 27815.5, Y/Northing = 4260826.5

Rodgers

2/2

Northing/Y: 599179.45 Easting/X: 1681032.53 Northing/Y: 4443458.116 Easting/X: 540188.034

Convergence: -0 39 20.78575 Scale Factor: 0.999981006 Convergence: 0 18 14.90688 Scale Factor: 0.999619881

Grid Shift (m.): X/Easting = 27808.3, Y/Northing = 4260827.9

WW-7 8-30-06



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

<sub>API:</sub> 47-069-0002	WELL NO.: 2
FARM NAME: J.M.Rodgers	3
RESPONSIBLE PARTY NAME:	unnel Ridge, LLC
COUNTY: Onio	DISTRICT: Liberty
QUADRANGLE: Bethany	
SURFACE OWNER:	
ROYALTY OWNER: N/A	
UTM GPS NORTHING: 4,445,	584 444 3458.116 540 188.0 GPS ELEVATION: 307.5 (1008.6)
UTM GPS EASTING: 538,086	540 188. 0 GPS ELEVATION: 307.5 (1008.6)
preparing a new well location plat for above well. The Office of Oil and Gas the following requirements:  1. Datum: NAD 1983, Zone: height above mean sea leve 2. Accuracy to Datum – 3.05 3. Data Collection Method: Survey grade GPS: Post Proceed Real-Time Mapping GPS: Post Proceed Real-Time Mapping GPS: Post Proceed Real-Time Mapping GPS	meters  Dessed Differential  The Differential  Processed Differential  Office of Oil and Gas  SEP 1 6 2015
	pography map showing the well location.

Permitting Coordinator

Title

08/11/2015

Date

# REQUEST TO INVEST WEST VIRGINIA CONSOLIDATED INVESTMENT FUND

Extended Org	DEP USE ONLY			STO USE ONLY	/
Extended Org— OAS  OMR OMR OHER OWN OHER Amount  Cash parformance bonds posted with the West Virginia Department of Environmental Protection pussant to Chapter 22d the Code of West Virginia are eligible for investment in the West Virginia Consolidated Fund, with Interest payable to the operator posting the bond. Under the provisions of W.Vs. Code \$12-6-8 and \$12-6-6. State agencies may request the West Virginia State Treasurer to Invest funds administent by them. The State Treasurer and the Mest Virginia State Treasurer to Invest funds administent through the Consolidated Fund.  Principal amounts and interest earned may be distributed at any time throughout the year when applicable requirements for the release of bon have been met or upon the substitution of acceptable elements bonding. Interest or bonds, greater than \$50, included in the Consolidated Fund.  Protection, and the operator will receive interest earned up to the date of forfeiture.  Permittee Name Tunnet Ridge, LLC  34 McCry Road  Address Velty Grow, MV 28090  Phone  By: Signature of Corporate Officer  Taken, subscribed and sworm to before me this  AGM - Permits and Env. Compliance  Taken, subscribed and sworm to before me this of the parformance of the Consolidated Fund for the principal amount of the bond due to the performance of the Consolidated Fund General Protection of the principal amount of the bond due to the performance of the Consolidated Fund General Protection of the principal amount of the bond due to the performance of the Consolidated Fund General Protection of the Principal amount of the bond due to the performance of the Consolidated Fund General Protection by Consolidated Fund General Protection of the Principal amount of the bond due to the performance of the Consolidated Fund General Protection of the Principal amount of the bond due to the performance of the Consolidated Fund General Protection of the Principal Prot	Investment Account # DEPX	_ Date Permit	/ID #		
Cash performance bonds posted with the West Virginia Department of Environmental Protection pursuant to Chapter 22 of the Gode of West Virginia are eligible for investment in the West Virginia Consolidated Fund, with interest payable to the operator pesting the bond. Under the provisions of W.v. Code \$12-6-6-6 and \$13-6-0-5. State agencies may request the West Virginia State Treasurer to invest funds administered by them. The State Treasurer sends the moneys to the West Virginia Board of Treasury Investments for inclusion in investments from the funds of the Consolidated Fund. Principal amounts and interest earned may be distributed at any time throughout the year when applicable requirements for the release of bonds. Principal amounts and interest earned may be distributed at any time throughout the year when applicable requirements for the release of bonds. Principal amounts and interest earned and paid to the investor's not have been met or upon the substitution of acceptable alternate bonding, interest on bonds, greater than \$50, included in the Consolidated Pund to principal amount of the bond becomes the property of the Department of Environmental Protection, and the operator will receive interest earned up to the delet of bond becomes the property of the Department of Environmental Protection, and the operator will receive interest earned up to the delet of bond becomes the property of the Department of Environmental Protection, and the operator will receive interest earned up to the delet of bonds.  By: Signature of Corporate Officer  Title  Printled Name  Chellisia L. Corder  Wally Grove, WY 38080  State at Lerge, rentitive Virginia Consolidated Fund does not reduce the requirement of the Virginia Consolidated Fund does not reduce the requirement of the Virginia Consolidated Fund does not reduce the requirement of the Virginia Consolidated Fund. These deposits are subject to the rules, policies and fee schedules adopted by the State Treasurer.  The undersigned does hereby authorize the Department of En	Extended Org O&G DN	AR OWM Other		I To the total of the second o	
Virginia are eligible for investment in the West Virginia State Treasurer to Invest Hunds administer by provisions of W. v. Code \$12-6-6. State agencies may request the West Virginia State Treasurer to Invest funds administered by them. The State Treasurer sends the moneys to the West Virginia Board of Treasury Investments for inclusion in investments frought by them. The State Treasurer sends the moneys to the West Virginia Board of Treasury Investments for inclusion in investments frought by them. The State Treasurer sends the moneys to the West Virginia Board of Treasury Investments for inclusion in investments frought the Consolidated Principal amounts and Investments from the Institution of the State Treasurer to Invest the Principal amounts and Investments for the release of board and the Principal amount of the State Treasurer than \$50, included in the Consolidated Principal amount of the State Treasurer to Investment and Investments for the Consolidated Principal amount of the State Treasurer to Investment of Invitromental Protection, and the operator will receive interest earned up to the date of forficture.  Permittee Name					
Address  B4 McCoy Read Valley Grove, WV 26060  Phone  304-647-2600  By: Signature of Corporate Officer  Taken, subscribed and sworn to before me this  Littery Frinted Name  Taken, subscribed and sworn to before me this  Littery Frinted Name  Taken, subscribed and sworn to before me this  Littery Frinted Name  Taken, subscribed and sworn to before me this  Littery Frinted Name  Toking Public  Commission Expiration  Chellisis L. Corder  Notary Public  Corporation  Commission Expiration  Chellisis L. Corder  Notary Public  Corporation  Commission Expiration  Chellisis L. Corder  Notary Public  Corporation  Commission Expiration  Chelliste L. Corder  Notary Public Commission Expiration  Chelliste L. Corder  Notary Public Commission Expiration  Chelliste L. Corder  Notary Public Commission Expiration  Chelliste L. Corder  Notary Publi	Virginia are eligible for investment in the Wes provisions of W. Va. Code §12-6-8 and §12-6 by them. The State Treasurer sends the mor Consolidated Fund. Principal amounts and interest earned may be have been met or upon the substitution of act Fund will be withdrawn from the investor's ac \$50 will be paid upon request. Upon forfeiture	it Virginia Consolidated Fund, wit C-6, State agencies may request leys to the West Virginia Board of e distributed at any time through ceptable atternate bonding. Inter count and paid to the investor in e, the principal amount of the bo	h interest payable to the of the West Virginia State To Treasury Investments for the year when applicates on bonds, greater that the first quarter of the called becomes the property of becomes the property.	perator posting the reasurer to invest for inclusion in invest ble requirements for in \$50, included in the endar year. Interest	bond. Under the inds administered ments through the the release of bond e Consolidated on bonds less than
Phone  By: Signature of Corporate Officer  Title  Tritle  Trit	Permittee Name Tunnel Ridge, LLC				
Phone  By: Signature of Corporate Officer  Taken, subscribed and sworn to before me this  It day of August , 20 /5  Notary Public  Commission Expiration  Chellsise L. Corder Notary Public Commission Expiration  Chellsise L. Corder Notary Public Corporate Officer  The undersigned does hereby authorize the Department of Environmental Protection to direct the West Virginia State Treasurer to invest the enclosed funds (cash, certified or cashier's checks only) in the West Virginia Consolidated Fund. These deposits are subject to the rules, policies and fee schedules adopted by the State Treasurer.  Investor/Name Tunnel Ridge, LLC  2596 Battle Run Road  Trisdephia, WV 28059  FEIN/Social Security #: 73-0986034  Phone  GM - Permits and Env. Compliance  Robert Ray  Chellsise L. Corder  Notary Public Down 494204  Notary Public Corporate Officer  Title  Printed Name  Chellsise L. Corder  Notary Public Corporate Officer  Title  Corporation  Chellsise L. Corder  Notary Public Corporate Officer  Title  Corporation  Chellsise L. Corder  Notary Public Corporate Officer  Title  Corporation  Chellsise L. Corder  Notary Public Corporate Officer  Title  Chellsise L. Corder  Notary Public Corporate Officer  Commission Expiration  Chellsise L. Corder  Notary Public Corporate Officer  Title  Chellsise L. Corder  Notary Public Corporation  Chellsise L. Corder  State Large, Kentucky	Address 94 McCoy Road				
By: Signature of Corporate Officer  Title  Title  Printed Name  Taken, subscribed and sworn to before me this  Lay of August , 20 5  Chellsis L. Corder Notary Public  Commission Expiration  Notary Public Corder Notary Public Commission Expiration  Investment in the Consolidated Fund for the principal amount required by the applicable bonding the bond participant.  The undersigned does hereby authorize the Department of Environmental Protection to direct the West Virginia State Treasurer to invest the enclosed funds (cash, certified or cashler's checks only) in the West Virginia Consolidated Fund. These deposits are subject to the rules, policies and fee schedules adopted by the State Treasurer.  Investor/Name Tunnel Ridge, LLC  Address  2598 Battle Run Roed  Trisdelphia, WV 26059  FEIN/Social Security #: 73-0956034  Phone  Individual Partnership Corporate Officer  Title  GM · Permits and Env. Compiliance  Robert Ray  Chellsis L. Corder  Roter Ray  Chellsis L. Corder  Roter Ray  Chellsis L. Corder  Trisdelphia, WV 26059  Chellsis L. Corder  Roter Ray  Chellsis L. Corder  Roter Ray  Chellsis L. Corder  Notary Public Corder  Notary Public, In No. 494204  State at Large, Kentucky  Chellsis L. Corder  Notary Public, In No. 494204  Notary Public, In No. 494204	Valley Grove, WV 26060				
By: Signature of Corporate Officer  Taken, subscribed and sworn to before me this	Phone 304-547-2900				_
By: Signature of Corporate Officer  Taken, subscribed and sworn to before me this	Man on	GM - Permits and Env Co	ampliance Coh	and Mary	
Taken, subscribed and sworn to before me this	By: Signature of Corporate Officer				
Notary Public  Commission Expiration  Chelisiae L. Corder Notary Public, ID No. 494204  State at Large, Kentucky Investment in the Consolidated Fund for the principal amount required by the applicable bonding the state of the principal amount of the bond due to the performance of the Consolidated Fund does not reduce the requirement of full bonding by the bond participant.  The undersigned does hereby authorize the Department of Environmental Protection to direct the West Virginia State Treasurer to invest the enclosed funds (cash, certified or cashler's checks only) in the West Virginia Consolidated Fund. These deposits are subject to the rules, policies and dees schedules adopted by the State Treasurer.  Investor/Name Tunnel Ridge, LLC  Address 2596 Battle Run Road Triadelphia, WV 26059  FEIN/Social Security #: 73-0956034 Phone  Individual Partnership Corporation Phone  Individual Partnership Corporation Phone  Signature of Corporate Officer Title Printed Name  Taken, subscribed and sworn to before me this May 34, 3611 Chellsise L. Corder Notary Public (D. No, 494204)  Notary Public Commission Expiration  Chellsise L. Corder Notary Public (D. No, 494204)  State at Large, Kentucky State at Large, Kent		see to	A	1000	
Notary Public  Commission Expiration  Chellsie L. Corder Notary Public, ID No. 494204  State at Large, Kentucky  Investment in the Consolidated Fund for the principal amount required by the applicable bonding the bond participant.  The undersigned does hereby authorize the Department of Environmental Protection to direct the West Virginia State Treasurer to invest the enclosed funds (cash, certified or cashler's checks only) in the West Virginia Consolidated Fund. These deposits are subject to the rules, policies and fee schedules adopted by the State Treasurer.  Investor/Name Tunnel Ridge, LLC  Address  2596 Battle Run Road  Triadelphia, WV 26059  FEIN/Social Security #: 73-0958034  Phone  Individual Partnership Corporation  Signature of Corporate Officer  Title  Printed Name  Chellste L. Corder Notary Public, ID No. 494204  State at Large, Kentucky	A COLOR OF THE COL	distribution of the same of th	Bugust .2	<u></u>	
Investment in the Consolidated Fund for the principal amount required by the applicable bonding the factors of the Consolidated Fund for the principal amount required by the applicable bonding the factors of the Consolidated Fund does not reduce the requirement of the bond due to the performance of the Consolidated Fund does not reduce the requirement of full bonding by the bond participant.  The undersigned does hereby authorize the Department of Environmental Protection to direct the West Virginia State Treasurer to invest the enclosed funds (cash, certified or cashler's checks only) in the West Virginia Consolidated Fund. These deposits are subject to the rules, policies and fee schedules adopted by the State Treasurer.  Investor/NameTunnel Ridge, LLC  Address			_		
Investment in the Consolidated Fund for the principal amount required by the applicable bonding law is all the activated at the principal amount of the bond due to the performance of the Consolidated Fund does not reduce the requirement of full bonding by the bond participant.  The undersigned does hereby authorize the Department of Environmental Protection to direct the West Virginia State Treasurer to invest the enclosed funds (cash, certified or cashler's checks only) in the West Virginia Consolidated Fund. These deposits are subject to the rules, policies and fee schedules adopted by the State Treasurer.  Investor/NameTunnel Ridge, LLC  Address	Notary Public	Commission Expiration		Notary Public, ID	No. 494204
Acidress 2596 Battle Run Road  Triadelphia, WV 26059  FEIN/Social Security #: 73-0956034  Phone  Individual Partnership Corporation  Sole Proprietorship Estate/Trust Other (Specify)  By: Signature of Corporate Officer Title Printed Name  Taken, subscribed and sworn to before me this day of August, 20 15  Notary Public Commission Expiration  Chellsle L. Corder Notary Public, ID No. 494204 State at Large, Kentucky	bonding by the bond participant.  The undersigned does hereby authorize the Eenclosed funds (cash, certified or cashier's ch	and due to the performance of the Department of Environmental Pro Decks only) in the West Virginia C	e Consolidated Fund does	s not reduce the req	uirement of full
Triadelphia, WV 28059  FEIN/Social Security #: 73-0956034  Phone  Individual Partnership Corporation  Sole Proprietorship Estate/Trust Other (Specify)  By: Signature of Corporate Officer Title Printed Name  Taken, subscribed and sworn to before me this 11th day of Mulman, 20 15  Chellsle L. Corder Notary Public ID No. 494204  Notary Public Dos. 494204  State at Large, Kentucky	Investor/Name_ Tunnel Ridge, LLC				
FEIN/Social Security #: 73-0956034 Phone  Individual Partnership Corporation  Sole Proprietorship Estate/Trust Other (Specify)  By: Signature of Corporate Officer Title Printed Name  Taken, subscribed and sworn to before me this 1145 day of August 20 15  Chellsle L. Corder Notary Public Commission Expiration  Chellsle L. Corder Notary Public, ID No. 494204 State at Large, Kentucky	Address 2596 Battle Run Road				
Individual Partnership Corporation  Sole Proprietorship Estate/Trust Other (Specify)  By: Signature of Corporate Officer Title Printed Name  Taken, subscribed and sworn to before me this 11th day of Mugust 20 15  Chellsle L. Corder Notary Public Commission Expiration  Commission Expiration  Corporation Packet Gas  Robert Ray  Printed Name  Chellsle L. Corder Notary Public, ID No. 494204 State at Large, Kentucky					
Individual Partnership Corporation  Sole Proprietorship Estate/Trust Other (Specify)  By: Signature of Corporate Officer  Title  Taken, subscribed and sworn to before me this 1145 day of August, 20 15  Notary Public Commission Expiration  Corporation  Other (Specify)  Robert Ray  Printed Name  Chellsle L. Corder  Notary Public, ID No. 494204  State at Large, Kentucky		The state of the s			
By: Signature of Corporate Officer  Title  Taken, subscribed and sworn to before me this 1145 day of 14404, 2015  Chellsie L. Corder Notary Public  Commission Expiration  Robert Ray  Printed Name  Chellsie L. Corder Notary Public, ID No. 494204 State at Large, Kentucky	FEIN/Social Security #: 73-0956034	Phor	10		
By: Signature of Corporate Officer  Title  Taken, subscribed and sworn to before me this 1145 day of 14404, 2015  Chellsie L. Corder Notary Public  Commission Expiration  Robert Ray  Printed Name  Chellsie L. Corder Notary Public, ID No. 494204 State at Large, Kentucky	FEIN/Social Security #: _73-0956034			- DEVE	0.005
By: Signature of Corporate Officer  Title  Taken, subscribed and sworn to before me this 1145 day of 1440 August, 2015  Chellsie L. Corder Notary Public  Commission Expiration  Robert Ray  Printed Name  Chellsie L. Corder Notary Public, ID No. 494204 State at Large, Kentucky	FEIN/Social Security #: _73-0956034			PRECEIVED	d Gas
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TALLET BY WHILE HE WASHINGTON I WILL THE WASHINGTON I WASHINGTON AND A STATE OF THE PARTY OF THE	FEIN/Social Security #: 73-0956034  Individual Pa Sole Proprietorship Es  By: Signature of Corporate Officer  Taken, subscribed and sworn to before m	tate/Trust  GM - Permits and Env. Con Title  e this 11th day of	Corporation Other (Specify)  Pripilance Rot Pr	SEP 1 on the series of the ser	tment of al Protection der