



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
(304) 926-0450
fax: (304) 926-0452

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Thursday, September 15, 2022
WELL WORK PLUGGING PERMIT
Vertical Plugging

TUNNEL RIDGE, LLC
184 SCHOOLHOUSE LN.

VALLEY GROVE, WV 26060

Re: Permit approval for 1
47-069-00018-00-00

This well work permit 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 any additional specific 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. Please be advised that form WR-38, Affidavit of Plugging and Filling Well, is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926- 0450.

James A. Martin
Chief

A handwritten signature in blue ink, appearing to read 'James A. Martin', is written over the printed name and title.

Operator's Well Number: 1
Farm Name: WESTFALL, RALPH
U.S. WELL NUMBER: 47-069-00018-00-00
Vertical Plugging
Date Issued: 9/15/2022

Promoting a healthy environment.

09/16/2022

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4706900018P

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.

09/16/2022

1) Date AUGUST 08, 2022
2) Operator's
Well No. WESTFALL #1
3) API Well No. 47-000 - 00016

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil ___ / Gas X / Liquid injection ___ / Waste disposal ___ /
(If "Gas, Production ___ or Underground storage ___) Deep ___ / Shallow X

5) Location: Elevation 1221.50' Watershed Upper Ohio-Wheeling
District Tridelphia County Ohio Quadrangle Valley Grove

6) Well Operator Tunnel Ridge, LLC 7) Designated Agent Evan Midler
Address 184 Schoolhouse Lane Address 184 Schoolhouse Lane
Valley Grove, WV 26060 Valley Grove, WV 26060


8) Oil and Gas Inspector to be notified Name Strader Gower
Address 601 57th Street SE
Charleston, WV 25304
9) Plugging Contractor Name Costal Drilling East
Address 130 Meadow Ridge Road
Mount Morris, PA 15349

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

1. Prepare well plugging site (build road and pad, install E&S controls)
 2. Move in rig and equipment (mud tanks will be used to contain all drilling muds)
 3. CLEAN OUT WELL TO A DEPTH OF 200 FT BELOW LOWEST CORE SEAM,
 4. CEMENT WELL FROM THAT POINT TO SURFACE WITH EXPANDING CEMENT.
 5. Remove rig and equipment (mud tanks containing drilling muds will be trucked to Tunnel Ridge Refuse Facility, O201608)
 6. Reclaim site in accordance with WV DEP Oil and Gas Erosion and Sediment Control Field Manual
 7. SET MONUMENT PER TITLE 35 LEGISLATIVE RULE 35 CSR-5.5b
- * SEE EXHIBIT-A MSHA 101 C EXEMPTION

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

Work order approved by inspector


STRADER GOWER

Date 8/15/22

U.S. Department of Labor

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

**MAR 28 2012**

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

MSHA 101 C
 EXEMPTION

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

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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!

09/16/2022

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. **DISTRICT MANAGER APPROVAL REQUIRED**

- 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

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 casing 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, 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 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.

b. MANDATORY PROCEDURES FOR PLUGGING OR REPLUGGING OIL 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

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 seam 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 4 1/2 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.
- (3) 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 security fencing.
- (4) Operation of the degasification well shall be addressed in the approved ventilation plan. This may include periodic tests of 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

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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.
- (3) If the well contains casing(s), the operator shall drill into 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.
- (5) 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 above-listed 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.
- (6) After the operator has plugged the well as described in 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

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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.
- l. 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.
- m. Non-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.

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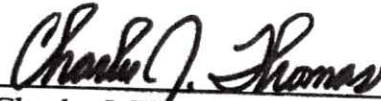
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- p. The mine through operation shall be under the direct supervision of a certified individual. Instructions concerning the mine through operation shall be issued only by the certified individual in charge.
- q. The provisions of this Order do not impair the authority of representatives of MSHA to interrupt or halt the mine through operation, and to issue a withdrawal order, when they deem it necessary for the safety of the miners. MSHA may order an interruption or cessation of the mine through operation and/or a withdrawal of personnel by issuing either a verbal or written order to that effect to a representative of the operator, which order shall include the basis for the order. Operations in the affected area of the mine may not resume until a representative of MSIIA permits resumption of mine through operations. The mine operator and miners shall comply with verbal or written MSHA orders immediately. All verbal orders shall be committed to writing within a reasonable time as conditions permit.
- r. A copy of this Order shall be maintained at the mine and be available to the miners.
- s. Within 30 days after this Order becomes final, the operator shall submit proposed revisions for its approved 30 C.F.R. Part 48 training plan to the district manager. These proposed revisions shall include initial and refresher training regarding compliance with the terms and conditions stated in the Order. The operator shall provide all miners involved in the mine through of a well with training regarding the requirements of this Order prior to mining within 150 feet of the next well intended to be mined through.
- t. The responsible person required under 30 C.F.R. § 75.1501 is responsible for well intersection emergencies. The well intersection procedures should be reviewed by the responsible person prior to any planned intersection.
- u. Within 30 days after this Order becomes final, the operator shall submit proposed revisions for its approved mine emergency evacuation and firefighting plan required by 30 C.F.R. § 75.1501. The operator will revise the plans to include the hazards and evacuation procedures to be used for well intersections. All underground miners will be trained in this revised plan within 30 days of the submittal of the revised evacuation plan.

Any party to this action desiring a hearing on this matter must file in accordance with 30 C.F.R. § 44.14, within 30 days. The request for hearing must be filed with the Administrator for Coal Mine Safety and Health, 1100 Wilson Boulevard, Arlington, Virginia 22209-3939.

If a hearing is requested, the request shall contain a concise summary of position on the issues of fact or law desired to be raised by the party requesting the hearing, including

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 date. 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

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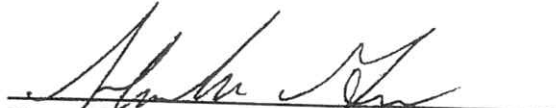
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47 06900018 P

Certificate of Service

I hereby certify that a copy of this proposed decision was served personally or mailed, postage prepaid, this 28 day of March, 2012, to:

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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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION



AFFIDAVIT OF PLUGGING AND FILLING WELLS

AFFIDAVIT SHOULD BE MADE IN TRIPPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT HIS ADDRESS.

THE VALLEY CAMP COAL COMPANY MICOA, INC.
COAL OPERATOR OR OWNER NAME OF WELL OPERATOR
TRIADDELPHIA, WEST VIRGINIA BOX 105 WESTON, WEST VIRGINIA
ADDRESS COMPLETE ADDRESS
COAL OPERATOR OR OWNER December 20 19 68
ADDRESS WELL AND LOCATION
Triadelphia District
LEASE OR PROPERTY OWNER Ohio County
Ralph Westfall Well No. # 1
ADDRESS Whelling, West Virginia Ralph Westfall Farm
STATE INSPECTOR SUPERVISING PLUGGING Mr. Arthur Null

AFFIDAVIT

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STATE OF WEST VIRGINIA,

County of Lewis

Lyle Clark and Gary Haddock

being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Kirk Drilling Company well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 17 day of December, 19 68, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD FORMATION	FILLING MATERIAL	PLUGS USED SIZE & KIND	CASING	
			CSS PULLED	CSS LEFT IN
Berea	2375 To 2300	Cement		
	2300 To 1630	Gel		
Water	1630 To 1550	Cement	1630'	4 1/2"
	1550 To 1410	Gel	Pulled	
Gas	1410 To 1380	Cement		
	1380 To 1140	Gel		
Gas	1140 To 1110	Cement		
	1110 To 750	Gel		
Water	750 To 710	Cement		
	710 To 630	Gel		
Coal	630 To 530	Cement		
	530 To 70	Gel	410'	10" Pulled
Water	70 To 40	Cement		
	40 To 20	Gel		
Surface	20 To 0	Cement		
COAL SEAMS				
(NAME) <u>Pittsburgh</u>	<u>596 To 603</u>	DESCRIPTION OF MONUMENT		
(NAME)		<u>10" casing 2 1/2' above ground</u>		
(NAME)		<u>Level with Micoa, Inc.</u>		
(NAME)		<u>Westfall # 1 12/18/68</u>		

and that the work of plugging and filling said well was completed on the 18 day of

09/16/2022

4706900018P

Form OG-10



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage
Oil or Gas Well Dry (KIND)

Quadrangle Wheeling

Permit No. OHIO 16

WELL RECORD

Company Micoa, Inc.
Address Box 105 Weston, West Virginia
Farm Ralph Westfall Acres 70

Location (waters) _____
Well No. # 1 Elev. 1221.5

District Triadelphia County Ohio
The surface of tract is owned in fee by Ralph Westfall
Address Whelling, W. Va.

Mineral rights are owned by Same
Address _____

Drilling commenced September 18, 1968
Drilling completed November 14, 1968

Date Shot _____ From _____ To _____

With _____
Open Flow _____
10ths Water in _____ Inch
10ths Merc. in _____ Inch

Volume Show Cu. Ft.

Rock Pressure _____ lbs. _____ hrs.

Oil _____ bbls. 1st 24 hrs.

WELL ACIDIZED (DETAILS) _____

WELL FRACTURED (DETAILS) Yes

RESULT AFTER TREATMENT (Initial Flow or bbls.) None

ROCK PRESSURE AFTER TREATMENT _____ HOURS

Fresh Water 60' 730' Feet

Producing Sand _____ Salt Water 1510' Feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16"	19'	Pulled	
12"	120'	Pulled	
10"	643'	Cemented	Size of
8 1/4"	969'	Pulled	
6 1/4"	1953'	Pulled	Depth set
5 3/16"			
4 1/2"	2392'	Cemented	
3"			Perf. top
2"			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Attach copy of cementing record.
CASING CEMENTED 4 1/2" SIZE 2392' No. Fl. Nov. 26 Date
Amount of cement used (bags) 35 sks. Cement 10 Gel
Name of Service Co. LAWSON Cementing Co.
COAL WAS ENCOUNTERED AT 596 FEET 84 INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand			0	12			
Shale			12	45			
Lime			45	50			
Sandy Shale			50	101			
Lime			101	122	Water	50'	
Shale			122	130			
Lime			130	145			
Shale & Lime			145	175			
Shale			175	238			
Lime			238	248			
Shale			248	265			
Lime			265	282			
Shale			282	287			
Lime			287	369			
Sand			369	394			
Lime			394	505			
Shale			505	527			
Lime			527	589			
Shale			589	596			
Coal			596	603			
Shale & Lime			603	643			
Shale			643	649			
Red Rock			649	664			
Slate & Shells			664	698			
Lime			698	710			
Slate & Lime			710	730			
Sand			730	730			
Lime			730	787	Water	730'	
Shale & Red Rock			787	830			
Shale			830	848			
			848	878			



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Formation	Color	Hard or Soft	Top 14	Bottom	Oil, Gas or Water	Depth Found	Remarks
Red Rock			848	972			
Slate	Sandy		972	1018			
Lime			1018	1040			
Slate & Lime			1040	1082			
Slate			1082	1095			
Sand			1095	1145			
Slate & Lime			1145	1192	Gas	1130'	
Slate Sandy			1192	1242			
Sand			1242	1281			
Slate			1281	1392			
Lime			1392	1418	Gas	1392'	
Sand			1418	1437			
Slate & Shells			1437	1510			
Sand			1510	1615	Water	1610'	
Slate			1615	1631			
Lime Sandy			1631	1651			
Slate & Lime			1651	1671			
Sand			1671	1708			
Sand & Slate			1708	1719			
Sand			1719	2006			
Slate Sandy			2006	2065			
Slate & Shells			2065	2263			
Sand			2263	2285			
Slate			2285	2325			
Sand			2325	2350			
Slate			2350	2366			
Sand			2366	2375			
Slate			2375	2394			
Sand & Slate			2394	2404			

November 14, 1968
 Well was logged by Allegheny Nuclear Surveys, Inc.
 Gamma-Neutron-Density-Caliper-Temp.

November 16, 1968
 2" Casing was run to 2392' and cemented with 35 sks. Cement 10 sks. Gel
 Lawson Cementing Co.

December 10, 1968
 Well was perforated by Allegheny Nuclear Surveys, Inc.
 336 to 2538 12 holes.

Well was fractured by Halliburton Company
 100 bbls. Treated Water
 2,000 Sand
 100 gals. Acid.



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Select County: (069) Ohio

Enter Permit #: 00018

Get Data Reset

Select datatypes: (Check All)

Location Production Plugging

Owner/Completion Stratigraphy Sample

Pay/Show/Water Logs Bin Hole Loc

Table Descriptions:
 County Code Translations
 Permit Numbering Schemes
 Logbook Numbering Schemes
 Contact Information
 Disclaimer
 WVGES Main
 "Pipeline-Plus" New

Well: County = 69 Permit = 00018

Report Time: Monday, August 15, 2022 9:05:04 AM

Location Information: [View Map](#)
 API 4706900018 COUNTY PERMIT TAX DISTRICT QUAD 75 QUAD_15 LAT DD LON DD UTM_E UTMN
 4706900018 Ohio 18 Tradelphia Valley Grove Wheeling 40.079202 -80.546746 539645 4439646.3

There is no Bottom Hole Location data for this well

Owner Information:
 API 4706900018 CMP DT SUFFIX STATUS SURFACE_OWNER WELL_NUM CO_NUM LEASE LEASE_NUM MINERAL_OWN_OPERATOR AT_COMPLETION PROP_VD PROP_TRGT_FM TFM_EST_PR
 4706900018 11/14/1968 9/18/1968 1222 Ground Level Twilight Gantz Gantz Output (Extension) Test Unsuccessful Dry w/ Gas Show Cable Tool Fractured 2404 2404

Completion Information:
 API 4706900018 CMP DT SUFFIX STATUS SURFACE_OWNER WELL_NUM CO_NUM LEASE LEASE_NUM MINERAL_OWN_OPERATOR AT_COMPLETION PROP_VD PROP_TRGT_FM TFM_EST_PR
 4706900018 11/14/1968 9/18/1968 1222 Ground Level Twilight Gantz Gantz Output (Extension) Test Unsuccessful Dry w/ Gas Show Cable Tool Fractured 2404 2404

Pay/Show/Water Information:
 API 4706900018 CMP DT SUFFIX STATUS SURFACE_OWNER WELL_NUM CO_NUM LEASE LEASE_NUM MINERAL_OWN_OPERATOR AT_COMPLETION PROP_VD PROP_TRGT_FM TFM_EST_PR
 4706900018 11/14/1968 9/18/1968 1222 Ground Level Twilight Gantz Gantz Output (Extension) Test Unsuccessful Dry w/ Gas Show Cable Tool Fractured 2404 2404

API	CMP_DT	SUFFIX	STATUS	SURFACE_OWNER	WELL_NUM	CO_NUM	LEASE	LEASE_NUM	MINERAL_OWN_OPERATOR	AT_COMPLETION	PROP_VD	PROP_TRGT_FM	TFM_EST_PR
4706900018	11/14/1968	9/18/1968	1222	Ground Level	Twilight	Gantz	Gantz	Output (Extension)	Test	Unsuccessful	Dry w/ Gas Show	Cable Tool	Fractured
4706900018	11/14/1968	9/18/1968	1222	Ground Level	Twilight	Gantz	Gantz	Output (Extension)	Test	Unsuccessful	Dry w/ Gas Show	Cable Tool	Fractured
4706900018	11/14/1968	9/18/1968	1222	Ground Level	Twilight	Gantz	Gantz	Output (Extension)	Test	Unsuccessful	Dry w/ Gas Show	Cable Tool	Fractured

There is no Production Gas data for this well

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

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

There is no Production Water data for this well

Stratigraphy Information:

API	SUFFIX	FM	FM_QUALITY	DEPTH_TOP	DEPTH_BOTTOM	DEPTH_QUALITY	THICKNESS	THICKNESS_QUALITY	ELEV DATUM
4706900018	Original Loc	Pittsburgh coal	Partial WVGES Staff Geologist	596	Reasonable	7	Reasonable	1222	Ground Level
4706900018	Original Loc	Greenbrier Group	Well Record	1631	Reasonable	0	Reasonable	1222	Ground Level
4706900018	Original Loc	Big Lime	Well Record	1631	Reasonable	40	Reasonable	1222	Ground Level
4706900018	Original Loc	Big Lhjn (Gmbr)	Partial WVGES Staff Geologist	1671	Reasonable	0	Reasonable	1222	Ground Level
4706900018	Original Loc	Berens Ss	Well Record	2325	Reasonable	25	Reasonable	1222	Ground Level
4706900018	Original Loc	Gantz	Well Record	2366	Reasonable	9	Reasonable	1222	Ground Level

Wireline (E-Log) Information:
 API 4706900018 LOG TOP LOG BOT DEEPEST_FML LOGS_AVAIL SCAN DIGITIZED GR TOP GR BOT D TOP D BOT N TOP N BOT L TOP L BOT T TOP T BOT S TOP S BOT O TOP O BOT INCH2 INCH5 REDUCED KOP LOGMD ELEV_NB ELEV_GL ELEV_DF LOG_MSRO FROM
 4706900018 1150 2404 G.N.D.T.C. Y N 1150 2380 2248 2404 1150 2380 2140 2400 1956 2380 N Y

Downloadable Log Images: We advise you to save the log image file to your PC for viewing. To do so, right-click the .tif image of interest and select the save option. Then you can direct the file to a location of your choice. Please note these images vary in size and some may take several minutes to download, especially if using a 56k or slower dialup connection.

Quick Reference Guide for Log File Names For more info about WVGES scanned logs click [here](#)
 geologic log types:
 d density (includes bulk density, compensated density, density, density porosity, grain density, matrix density, etc.)
 e photoelectric adsorption (PE or Pe, etc.)
 g gamma ray
 i induction (includes dual induction, medium induction, deep induction, etc.)
 l in different
 m neutron (includes neutron porosity, sidewall neutron-SWN, etc.)
 n neutron
 o other¹
 s sonic or velocity
 t temperature (includes borehole temperature, BHT, differential temperature, etc.)
 z spontaneous potential or potential
 mechanical log types:
 b cement bond
 c caliper
 o other¹
 p perforation depth control or perforate

Other logs may include, but are not limited to, such curves as audio, bit size, CCL-casing collar locator, continuous meter, directional survey, gas detector, grand, NCTL-Nuclear Cement Top Locator, radioactive tracer, tension

Plugging Information:
 API 4706900018 PLG_DT DEPTH_PBT
 4706900018 12/18/1968 0

There is no Sample data for this well

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 WV Department of
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09/16/2022

1) Date: 08-08-22
 2) Operator's Well Number WESTFALL #1
 3) API Well No.: 47 - 069 - 00018

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

<p>4) Surface Owner(s) to be served:</p> <p>(a) Name <u>Scott A. Black</u> Address <u>1775 Stoolfire Rd</u> <u>Valley Grove, WV 26060</u></p> <p>(b) Name _____ Address _____</p> <p>(c) Name _____ Address _____</p> <p>6) Inspector <u>Strader Gower</u> Address <u>601 57th Street SE</u> <u>Charleston, WV 25304</u> Telephone <u>304-993-6188</u></p>	<p>5) (a) Coal Operator</p> <p>Name <u>Tunnel Ridge, LLC</u> Address <u>184 Schoolhouse Lane</u> <u>Valley Grove, WV 26060</u></p> <p>(b) Coal Owner(s) with Declaration</p> <p>Name _____ Address _____</p> <p>(c) Coal Lessee with Declaration</p> <p>Name <u>Tunnel Ridge, LLC</u> Address <u>184 Schoolhouse Lane</u> <u>Valley Grove, WV 26060</u></p>
---	--

TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverse side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.

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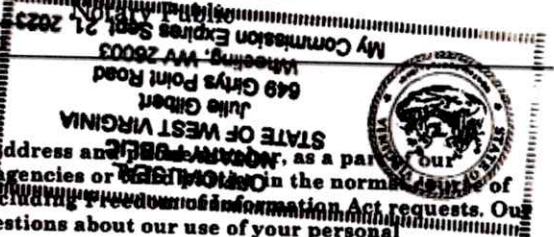
WV Department of
Environmental Protection

Well Operator Tunnel Ridge, LLC
 By: Evan Midler
 Its: Manager of Land, Environmental and Government Affairs
 Address 184 Schoolhouse Lane
Valley Grove, WV 26060
 Telephone 304-547-2937

Subscribed and sworn before me this 21 day of August
 My Commission Expires 2022.12.9

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 its regulatory duties. Your personal information may be disclosed to other State agencies or businesses 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 depprivacyofficer@wv.gov.



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For delivery information, visit our website at www.usps.com™.

Valley Grove, WV 26060

Certified Mail Fee	\$4.00
Postage	\$1.92
Total Postage and Fees	\$5.92

0646
13
Postmark
Here
08/09/2022

Extra Services & Fees (check box, add fee, if appropriate)

Return Receipt (hardcopy) \$0.00

Return Receipt (electronic) \$0.00

Certified Mail Restricted Delivery \$0.00

Adult Signature Required \$0.00

Adult Signature Restricted Delivery \$0.00

Sent To

Street and Apt. No., or PO Box No.

City, State, ZIP+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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SURFACE OWNER WAIVER

Operator's Well
Number

4706900018P
WESTFALL #1

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A

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

**NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.
WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:**

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

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

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

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

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

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WV Department of
Environmental Protection

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

VOLUNTARY STATEMENT OF NO OBJECTION

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

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

FOR EXECUTION BY A NATURAL PERSON
ETC.

FOR EXECUTION BY A CORPORATION,

Signature

Date

Name
By
Its

Date

Signature

09/16/2022

4706900018 P



HUNDRED
3992 HORNET HWY
HUNDRED, WV 26575-9998
(800)275-8777

08/09/2022 10:21 AM

Product	Qty	Unit Price	Price
First-Class Mail® Large Envelope Valley Grove, WV 26060 Weight: 0 lb 3.60 oz Estimated Delivery Date Thu 08/11/2022	1		\$1.92
Certified Mail® Tracking #: 70212720000145999590			\$4.00
Return Receipt Tracking #: 9590 9402 7462 2055 3832 30			\$3.25
Total			\$9.17
U.S. Flags Coil	1	\$60.00	\$60.00
Grand Total:			\$69.17
Personal/Bus Check			\$69.17

Every household in the U.S. is now eligible to receive a third set of 8 free test kits.
Go to www.covidtests.gov

Text your tracking number to 28777 (2USPS) to get the latest status. Standard Message and Data rates may apply. You may also visit www.usps.com USPS Tracking or call 1-800-222-1811.

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All sales final on stamps and postage.
Refunds for guaranteed services only.
Thank you for your business.

Tell us about your experience.
Go to: <https://postalexperience.com/Pos>
or scan this code with your mobile device.



or call 1-800-410-7420.

UFN: 553876-0646
Receipt #: 840-52500675-1-407654-2
Clerk: 13

09/16/2022

API No. 47-069-00018 18 P
Farm Name _____
Well No. WESTFALL #1

**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 than 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.

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WAIVER

The undersigned coal operator X / owner _____ / lessee X / of the coal under this well location has examined this proposed plugging work order. 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.

Date: _____

Tunnel Ridge, LLC

By: Evan Midler

Its Manager of Land, Environmental and Government Affairs

WW-9
(5/16)

4706900018P
API Number 47 - 069 - 00018
Operator's Well No. WESTFALL #1

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

Operator Name Tunnel Ridge, LLC OP Code _____
Watershed (HUC 10) Upper Ohio-Wheeling Quadrangle Valley Grove

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

ANY WELL EFFLUENT MUST BE
CONTAINED IN TANKS BEFORE DISPOSING OFF SITE.
gmm

If so, please describe anticipated pit waste: N/A

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 _____)

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Will closed loop system be used? If so, describe: No

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. AirWater WV Department of Environmental Protection

-If oil based, what type? Synthetic, petroleum, etc. N/A

Additives to be used in drilling medium? N/A

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

-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

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 [Signature]
Company Official (Typed Name) Evan Midler
Company Official Title Manager of Land, Environmental and Government Affairs

Subscribed and sworn before me this 8 day of August
[Signature]
My commission expires 9-21-2023



09/16/2022

Proposed Revegetation Treatment: Acres Disturbed 0.50 Prevegetation pH _____

Lime 3 Tons/acre or to correct to pH 6.0

Fertilizer type 19-19-19

Fertilizer amount 500 lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

Temporary

Permanent

Seed Type lbs/acre

Seed Type lbs/acre

Seed in accordance with WV DEP
Oil and Gas Erosion and Sediment
Control Field Manual.

Seed in accordance with WV DEP
Oil and Gas Erosion and Sedimentation
Control Field Manual.

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: _____

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Office of Oil and Gas

AUG 10 2022

WV Department of
Environmental Protection

Title: _____ Date: _____

Field Reviewed? () Yes () No

Signature
S. KADAK GOWER
8/15/22

WW-7
8-30-06

4706900018P



West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-069-00018 WELL NO.: WESTFALL #1
FARM NAME: RALPH WESTFALL
RESPONSIBLE PARTY NAME: TUNNEL RIDGE, LLC
COUNTY: OHIO DISTRICT: TRIDELPHIA
QUADRANGLE: VALLEY GROVE
SURFACE OWNER: SCOTT A. BLACK
ROYALTY OWNER: TUNNEL RIDGE, LLC
UTM GPS NORTHING: 4436601.00
UTM GPS EASTING: 538683.00 GPS ELEVATION: 1221.50'

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) - meters.
2. Accuracy to Datum - 3.05 meters
3. Data Collection Method:
Survey grade GPS : Post Processed Differential _____
Real-Time Differential

Mapping Grade GPS _____ : Post Processed Differential _____
Real-Time Differential _____

4. Letter size copy of the topography map showing the well location.
I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.


Signature

Manager of Land,
Title
Environmental +
Government Affairs

8/8/22
Date

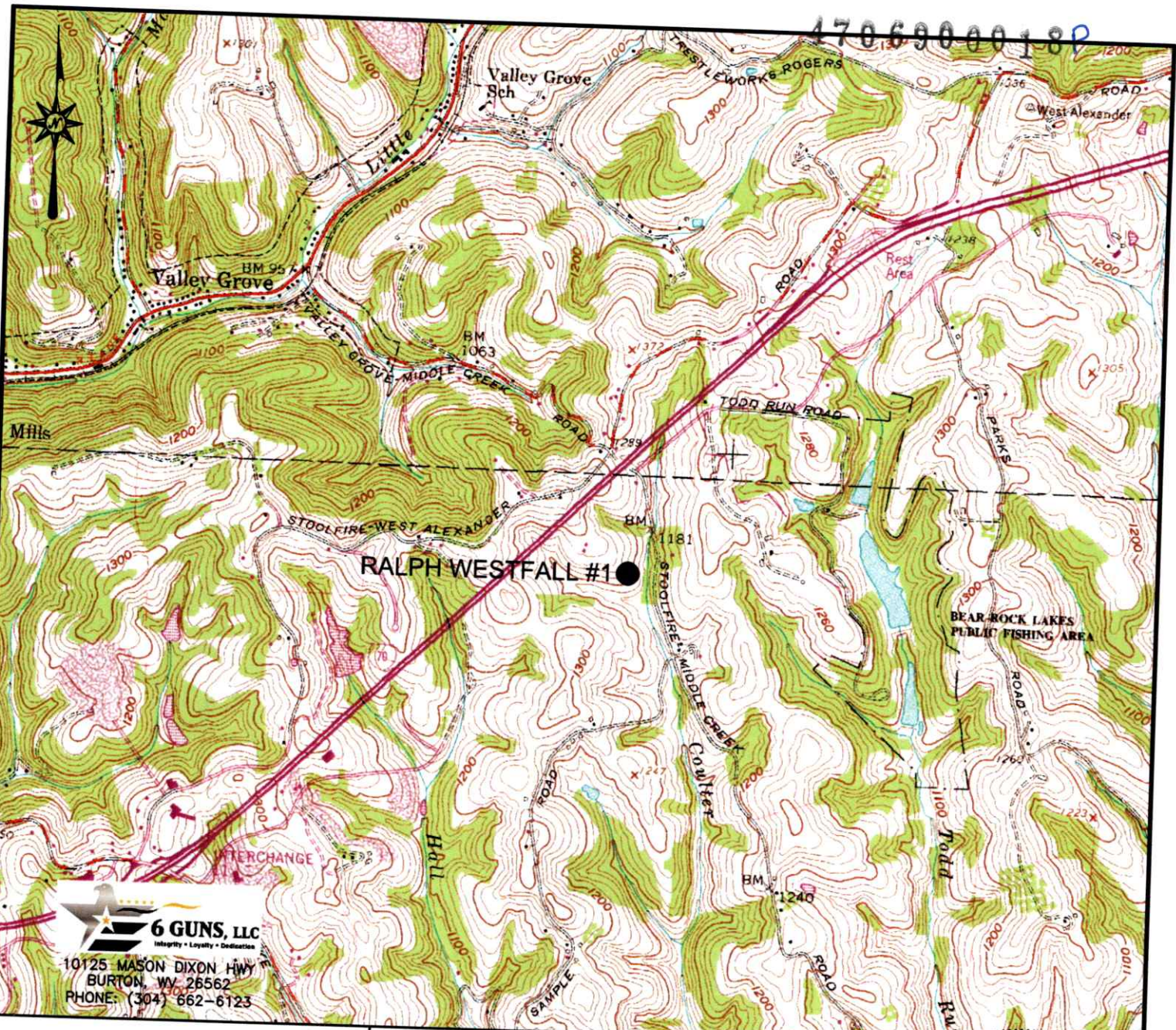
RECEIVED
Office of Oil and Gas

AUG 10 2022

WV Department of
Environmental Protection

09/16/2022

1706900018P

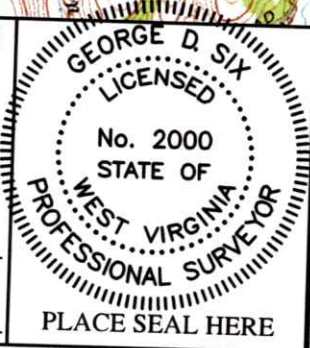


6 GUNS, LLC
 Integrity • Loyalty • Dedication
 10125 MASON DIXON HWY
 BURTON, WV 26562
 PHONE: (304) 662-6123

FILE #: RALPH WESTFALL #1
 DRAWING #: RALPH WESTFALL #1
 SCALE: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY: 1/2500
 PROVEN SOURCE OF ELEVATION: U.S.G.S. MONUMENT B.M. 610 1302.87'

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

Signed: *George D. Six*
 R.P.E.: _____ L.L.S.: P.S. No. 2000



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS RECEIVED WVDEP
 OFFICE OF OIL & GAS
 601 57TH STREET
 CHARLESTON, WV 25304



DATE: JULY 5, 2022
 OPERATOR'S WELL #: RALPH WESTFALL #1
 API WELL #: 47 069 00018
 STATE COUNTY PERMIT

Well Type: Oil Waste Disposal Production Deep
 Gas Liquid Injection Storage Shallow

WATERSHED: UPPER OHIO-WHEELING

ELEVATION: 1221.50'

09/16/2022



Kennedy, James P <james.p.kennedy@wv.gov>

plugging permit issued 4706900018

3 messages

Kennedy, James P <james.p.kennedy@wv.gov>

Thu, Sep 15, 2022 at 1:57 PM

To: Strader C Gower <strader.c.gower@wv.gov>, kshriver@6gunsllc.com, thoffman@assessoe.state.wv.us, mpowell@wvassessor.org

To whom it may concern, a plugging permit has been issued for 4706900018.

James Kennedy

WVDEP OOG

2 attachments

 **4706900018.pdf**
6878K

 **IR-8 Blank.pdf**
237K

Mail Delivery Subsystem <mailer-daemon@googlemail.com>

Thu, Sep 15, 2022 at 1:57 PM

To: james.p.kennedy@wv.gov



Address not found

Your message wasn't delivered to **thoffman@assessoe.state.wv.us** because the domain assessoe.state.wv.us couldn't be found. Check for typos or unnecessary spaces and try again.

[LEARN MORE](#)

The response was:

DNS Error: DNS type 'mx' lookup of assessoe.state.wv.us responded with code NXDOMAIN Domain name not found: assessoe.state.wv.us Learn more at <https://support.google.com/mail/?p=BadRcptDomain>

Final-Recipient: rfc822; thoffman@assessoe.state.wv.us

Action: failed

Status: 5.1.2

09/16/2022

Diagnostic-Code: smtp; DNS Error: DNS type 'mx' lookup of assessoe.state.wv.us responded with code NXDOMAIN
Domain name not found: assessoe.state.wv.us Learn more at <https://support.google.com/mail/?p=BadRcptDomain>
Last-Attempt-Date: Thu, 15 Sep 2022 10:57:23 -0700 (PDT)

----- Forwarded message -----

From: "Kennedy, James P" <james.p.kennedy@wv.gov>
To: Strader C Gower <strader.c.gower@wv.gov>, kshriver@6gunsllc.com, thoffman@assessoe.state.wv.us, mpowell@wvassessor.org
Cc:
Bcc:
Date: Thu, 15 Sep 2022 13:57:10 -0400
Subject: plugging permit issued 4706900018
----- Message truncated -----

Mail Delivery Subsystem <mailer-daemon@googlemail.com>
To: james.p.kennedy@wv.gov

Thu, Sep 15, 2022 at 1:57 PM



Address not found

Your message wasn't delivered to mpowell@wvassessor.org because the domain wvassessor.org couldn't be found. Check for typos or unnecessary spaces and try again.

[LEARN MORE](#)

The response was:

DNS Error: DNS type 'mx' lookup of wvassessor.org responded with code NXDOMAIN Domain name not found: wvassessor.org Learn more at <https://support.google.com/mail/?p=BadRcptDomain>

Final-Recipient: rfc822; mpowell@wvassessor.org
Action: failed
Status: 5.1.2
Diagnostic-Code: smtp; DNS Error: DNS type 'mx' lookup of wvassessor.org responded with code NXDOMAIN
Domain name not found: wvassessor.org Learn more at <https://support.google.com/mail/?p=BadRcptDomain>
Last-Attempt-Date: Thu, 15 Sep 2022 10:57:23 -0700 (PDT)

----- Forwarded message -----

From: "Kennedy, James P" <james.p.kennedy@wv.gov>
To: Strader C Gower <strader.c.gower@wv.gov>, kshriver@6gunsllc.com, thoffman@assessoe.state.wv.us, mpowell@wvassessor.org
Cc:
Bcc:
Date: Thu, 15 Sep 2022 13:57:10 -0400
Subject: plugging permit issued 4706900018
----- Message truncated -----

09/16/2022

09/16/2022