



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

Tuesday, May 30, 2023
WELL WORK PLUGGING PERMIT
Vertical Plugging

BOONE EAST DEVELOPMENT CO., LLC
PO BOX 261

JULIAN, WV 25529

Re: Permit approval for 9004
47-109-00107-00-00

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

Operator's Well Number: 9004
Farm Name: NEW RIVER & POCA COAL
U.S. WELL NUMBER: 47-109-00107-00-00
Vertical Plugging
Date Issued: 5/30/2023

A blue ink signature of James A. Martin, Chief, is written over a blue circular stamp.

Promoting a healthy environment.

06/02/2023

PERMIT CONDITIONS

West Virginia Code §22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.
4. 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.

1) Date 04/24, 2023
2) Operator's
Well No. Hope Natural Gas Company Well 9004
3) API Well No. 47-109 - 00107

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

- 4) Well Type: Oil ___ / Gas X / Liquid injection ___ / Waste disposal ___ /
(If "Gas, Production X or Underground storage ___) Deep X / Shallow ___
- 5) Location: Elevation 1815 Watershed Indian Creek of Guyandotte River
District Center County Wyoming Quadrangle Pineville
- 6) Well Operator Boone East Development Co., LLC 7) Designated Agent Timothy Ryan McGrady
Address 636 Shelby Street, 3rd Floor Address 300 Running Right Way, PO Box 261
Bristol, TN 37620 Julian, WV 25529
- 8) Oil and Gas Inspector to be notified Name Gary Kennedy 9) Plugging Contractor Name Ultra Production Company, LLC
Address 66 Old Church Lane Address PO Box 289
Pipestem, WV 25979 Cedar Bluff, VA 24609

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

See attached Plugging Prognosis.

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MSHA 101 C EXEMPTION

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

Work order approved by inspector

Samuel D. Ward II
Digitally signed by Samuel D. Ward II
Date: 2023.05.05 16:00:15 -04'00'

Date

5/5/23

06/02/2023

Procedures:

- 1 Notify State and Federal Agencies 48 hours prior to starting.
- 2 Disassemble surface facilities and gain access to the well head.
- 3 Tool in hole with the logging probes.
- 4 Pull 5-3/16" casing. If it doesn't pull, shoot it off at lowest possible joint and remove.
- 5 Repeat bond log if necessary for 6-5/8" casing.
- 6 Pull 6-5/8" casing. If it doesn't pull, shoot it off at lowest possible joint and remove.
- 7 Repeat bond log if necessary for 8-1/4" casing.
- 8 If 8-1/4" casing doesn't pull and cannot be shot off below the lowest mineable coal seam, it will be cut, milled, ripped or perforated at 50 ft. intervals beginning 200 ft. below the lowest mineable coal seam to at least 100 ft. above the upper most mineable coal seam. The casing will also be cut, milled, ripped or perforated at 5 ft. intervals for each minable seam beginning 10 ft. below to 10 ft. above each seam.
- 9 Expanding cement (minimum of 0.5% expansion upon setting) will be pumped under pressure (at least 200psi) from the total depth to surface.
- 10 Set Monument according to WV DEP 35CSR4 specifications and reclaim the site.
- 11 Complete and submit the Plugging Affidavit.

Notes:

- 1 If removing any section of casing could possibly damage the integrity of the well and thus hinder the remainder of the plugging process, a bridge plug will be set at least 200 ft. below the lowest mineable seam. All remaining casing above the plug will then be treated as described in Step 8 and the well will be plugged as described in Step 9.
- 2 If the operator encounters any situation that may affect the validity of the plugging procedure or cause any safety concerns, the appropriate agencies will be notified.

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4710900107P

Ultra Production Company, LLC
 Plugging Volumes and Location
 API# 47-109-00107

Volumes

Footage	Casing Size	Outside Diameter (in)	Inside Diameter (in)	Weight (lbs/ft)	Fill Volume OD (CuFt)	Fill Volume ID (CuFt)	Total Weight (lbs)
23	13	13.000	12.531	60	21.19	19.69	1,380
1,552	8-1/4	8.250	7.950	30	575.85	534.73	46,560
2,725	6-5/8	6.625	5.921	24	652.00	520.79	65,400
3,731	5-3/16	5.188	4.938	14	547.33	495.85	52,234
95	OH	5.000	5.000	13	12.95	12.95	1,250
					1,809.31	1,584.00	166,824

*Inside Diameter and Weight per Foot are estimated figures

Location

Geographic Coordinates (d/m/s) WGS 1984		UTM - NAD 83 - 17 North - Meters	
Latitude	Longitude	Northing	Easting
37° 32' 43.0116"	-81° 37' 15.8484"	4155545.400	445136.9

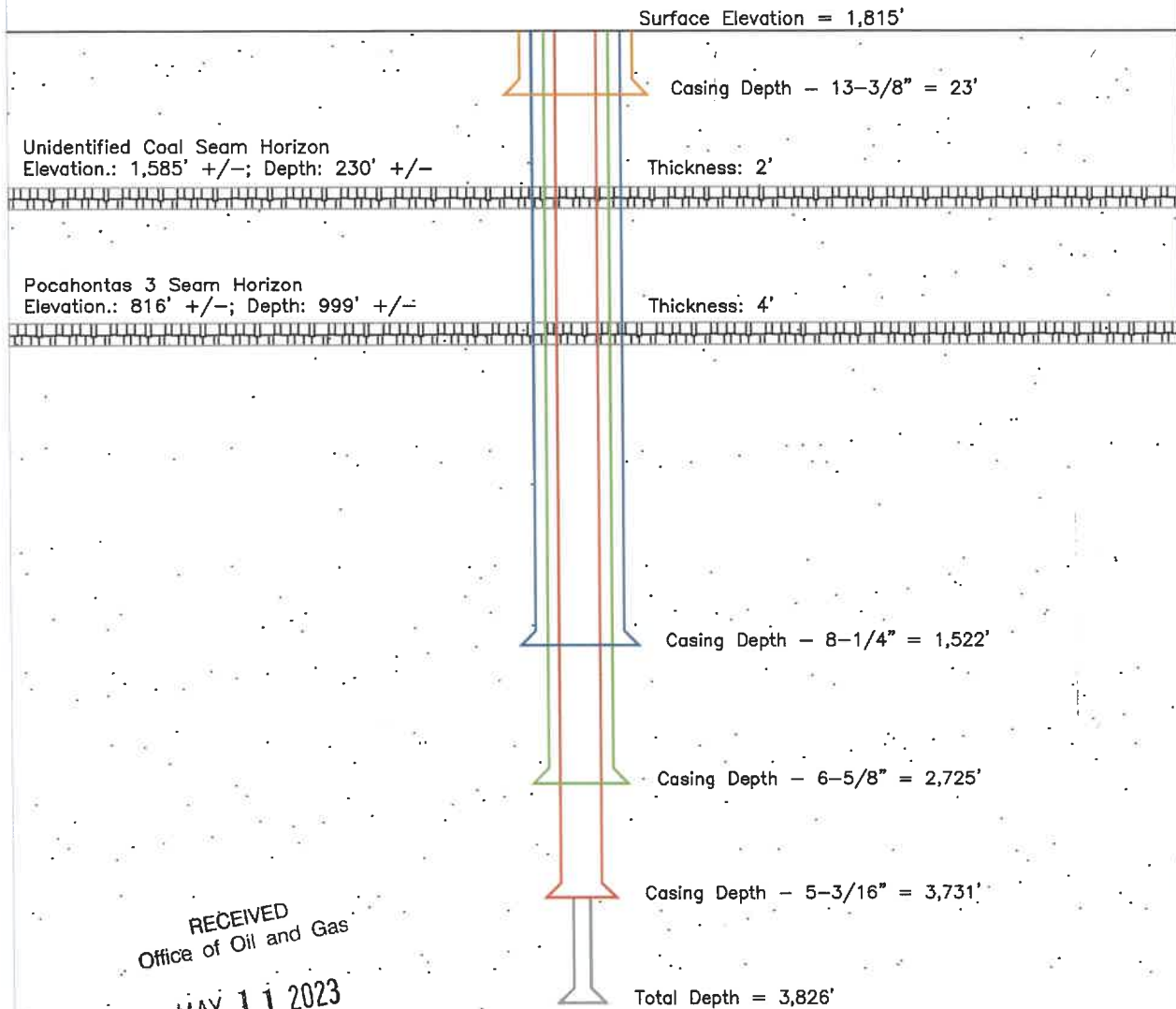
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API: 47-109-00107
 Reported Operating Pressure: 7.5 psi



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LEGEND

	Coal Seam
	13 " Diameter Casing
	8 1/4" Diameter Casing
	6 5/8" Diameter Casing
	5 3/16" Diameter Casing

47-109-00107 Well Profile

Information gathered from WV - Department of Mines - Oil & Gas Division - Well Record

SCALE: NTS	ULTRA PRODUCTION CO., LLC PO Box 289	DRAWN BY: AH
DATE: 01/11/2023	Cedar Bluff, VA 24609	FILE: Well Profiles

U.S. Department of Labor

Mine Safety and Health Administration
201 12th Street South, Suite 401
Arlington, Virginia 22202-5452



JAN 18 2019

In the matter of:
Spartan Mining Company, LLC
Road Fork # 52 Mine
I.D. No. 46-09522

MSHA 101 C
EXEMPTION

Petition for Modification

Docket No. M-2018-015-C

PROPOSED DECISION AND ORDER

On May 11, 2018, a petition was filed seeking a modification of the application of 30 C.F.R. § 75.1700 to Spartan Mining Company, LLC's Road Fork # 52 Mine located in Wyoming County, West Virginia. The Petitioner filed the petition to permit an alternative method of compliance with the standard with respect to vertical oil and gas wells into the underground coal seams. The Petitioner alleges that the proposed alternative method will at all times guarantee no less than the same measure of protection afforded miners under 30 C.F.R. § 75.1700 as that provided by the standard, which states:

§ 75.1700 Oil and gas wells.

Each operator of a coal mine shall take reasonable measures to locate oil and gas wells penetrating coalbeds or any underground area of a coal mine. When located, such operator shall establish and maintain barriers around such oil and gas wells in accordance with State laws and regulations, except that such barriers shall not be less than 300 feet in diameter, unless the Secretary or his authorized representative permits a lesser barrier consistent with the applicable State laws and regulations where such lesser barrier will be adequate to protect against hazards from such wells to the miners in such mine, or unless the Secretary or his authorized representative requires a greater barrier where the depth of the mine, other geologic conditions, or other factors warrant such a greater barrier.

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The petition addresses items for which district manager approval is required, procedures for cleaning out and preparing oil and gas wells prior to plugging or re-plugging, procedures for plugging or re-plugging oil or gas wells to the surface, procedures for plugging or re-plugging oil or gas wells for use as degasification boreholes, alternative procedures for preparing and plugging or re-plugging oil or gas wells, and procedures after approval has been granted to mine through a plugged or re-plugged well.

On June 6, 2018 MSHA personnel conducted an investigation of the petition and filed a report of their findings with the Administrator for Coal Mine Safety and Health. After a careful review of the entire record, including the petition, MSHA's investigative report and comments received from several miners from Road Fork # 52 Mine, this Proposed Decision and Order is issued.

FINDINGS OF FACT AND CONCLUSIONS OF LAW

The Road Fork # 52 Mine is currently under development and employs 5 to 30 contract miners including supervisory personnel developing the belt and supply slope into the Pocahontas No. 3 seam. The average coal seam height is 48 inches. The Road Fork #52 Mine is currently in non-producing status and eventually will operate two continuous miner sections producing coal five to six days per week. The slope construction is ventilated with a blowing fan. The methane liberations for this mine have not yet been determined. No methane has been encountered during the slope construction.

The miners at this mine are not represented by a labor union; nor do they have a designated miner's representative.

Although MSHA has granted modifications of this standard at different mines over the years, changing circumstances in oil and gas drilling technology and practices compels MSHA to reconsider the safest approach to mining around or through such wells. In recent years, changes in hydraulic fracturing (fracking) technology, marketplace and resource conditions have led to an increase in the number and depth of oil and gas wells penetrating the Pittsburgh and other coal seams. Since deeper wells are usually associated with higher well pressures, modifications of § 75.1700 must include appropriate measures to better protect miners. In addition to the risks associated with higher well pressures, MSHA is concerned that operators may be preparing and plugging wells to inadequate depths for convenience or to lower costs, which may result in reduced safety for miners.

This PDO addresses these concerns as they affect the Road Fork # 52 Mine. There are several differences between the petitioner's proposal and the amended terms and conditions set forth by MSHA. The essential changes include:

1. Making a diligent effort to clean out the well bore to the original total depth. MSHA believes that cleaning wells to the original total depth provides miners

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with a higher degree of safety by ensuring all gas producing zones have been effectively sealed.

2. Unknown total depth: If the total depth of the well is unknown the operator must contact the District Manager before proceeding. MSHA believes, by including this step in the process, that miner safety will be better served because the petitioner and the District Manager can work together to evaluate the conditions of the well to be plugged as well as the safest way to accomplish the plugging.

As stated in petitioner's petition for modification on page 3, item 8, *"the first such vertical well to be encountered in the mine plan for the Road Fork #52 Mine is the well with an API of 47-109-00120. United Producing Company drilled this vertical gas well from March to July in 1946. EQT Production currently operates the producing well. The well was drilled to a depth of 3450 feet. The Pocahontas No. 3 seam was drilled through by the vertical well at a depth of +/- 608 feet. Casing of 3 1/2", 7", 8 5/8", and 10 3/4" was left in the well to below the No. 3 seam."*

In the petitioner's item 11, page 3, ***Procedure for cleaning, preparing and plugging oil and gas wells. Section b, Plugging oil or gas wells to the surface.*** The following procedures shall be utilized when plugging gas or oil wells to the surface:

1) A cement plug shall be set in the wellbore by pumping an expanding cement slurry down the tubing to displace the gel and fill the borehole to the surface. (As an alternative, the cement slurry may be pumped down the tubing so that the borehole is filled with Portland cement or a Portland cement-fly ash mixture from a point approximately 100 feet above the top of the lowest mineable coalbed to the surface with an expanding cement plug extending from at least 200 feet below the lowest mineable coalbed to the bottom of the Portland cement.) There shall be at least 200 feet of expanding cement below the base of the lowest mineable coalbed.

The terms and conditions required by MSHA will prepare these wells for safe intersection by making a diligent effort to clean the wells to the original total depth, removing all casing and plugging to the total depth by pumping expanding cement slurry and pressurizing to at least 200 psi. If the total depth cannot be reached and casing cannot be removed, these alternative methods included in this proposed decision and order have proven safe and effective when properly implemented.

Therefore, the terms and conditions as amended by MSHA will at all times guarantee no less than the same measure of protection afforded the miners under 30 CFR 75.1700 for wells at least 2,000 to 4,000 feet or greater in depth. On the basis of the petition, comments received, and the findings of MSHA's investigation, Spartan Mining Company, LLC is granted a modification of the application of 30 C.F.R. § 75.1700 to its Road Fork # 52 Mine .

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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 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 Spartan Mining Company, LLC's Road Fork # 52 Mine is hereby:

GRANTED, subject to the following terms and conditions:

1. DISTRICT MANAGER APPROVAL REQUIRED

- a. The type of oil or gas well that will be considered under this Petition includes wells that have been depleted of oil or gas production or have not produced oil or gas and may have been plugged, or active conventional vertical wells which are not producing gas or oil, subject to the provisions below. **Unconventional wells in the Marcellus, Utica, and all other unconventional shale oil and gas wells are not subject to this modification.** Nothing in these provisions is meant to lessen, diminish, or substitute any provision found in applicable state laws or regulations.
- b. 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 (defined herein to include all active, inactive, abandoned, shut-in, previously plugged wells, water injection wells, and carbon dioxide sequestration wells) until approval to proceed with mining has been obtained from the district manager.

Wells that were drilled into potential oil or gas producing formations that did not produce commercial quantities of either gas or oil (exploratory wells, wildcat wells or dry holes) are classified as oil or gas wells by MSHA.

- c. Prior to mining within the safety barrier around any well that the mine plans to intersect, 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

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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.

If well intersection is not planned, the mine operator may request a permit to reduce the 300 foot diameter of the safety barrier that does not include intersection of the well. The district manager may require documents and information that help verify the accuracy of the location of the well in respect to the mine maps and mining projections.

This information may include survey closure data, down-hole well deviation logs, historical well intersection location data and any additional data required by the district manager. If the district manager determines that the proposed barrier reduction is reasonable, he will provide his approval, and the mine operator may then mine within the safety barrier of the well.

- d. The terms and conditions of this Order apply to all types of underground coal mining.

2. **MANDATORY PROCEDURES FOR CLEANING OUT, PREPARING, PLUGGING, AND RE-PLUGGING OIL OR GAS WELLS**

a. **MANDATORY PROCEDURES FOR CLEANING OUT AND PREPARING VERTICAL OIL AND GAS WELLS PRIOR TO PLUGGING OR RE-PLUGGING**

The mine operator shall test for gas emissions inside the hole before cleaning out, preparing, plugging, and re-plugging oil and gas wells. The District Manager shall be contacted if gas is being produced.

- (1) A diligent effort shall be made to clean the well to the original total depth. The mine operator shall contact the District Manager prior to stopping the operation to pull casing or clean out the total depth of the well.

If this depth cannot be reached, and the total depth of the well is less than 4,000 feet, 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. If the total depth of the well is 4,000 feet, or greater, the operator shall completely clean out the well from the surface to at least 400 feet below the base of the lowest mineable coal seam. Wells of this greater depth are under greater pressure, so the 400 feet requirement

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provides greater protection for miners. The operator shall remove all material from the entire diameter of the well, wall to wall. If the total depth of the well is unknown and there is no historical information, the mine operator must contact the District Manager before proceeding.

- (2) The operator shall prepare down-hole logs for each well. Logs shall consist of a caliper survey, a gamma log, a bond log and a deviation survey for determining the top, bottom, and thickness of all coal seams down to the lowest minable coal seam, potential hydrocarbon producing strata and the location of any existing bridge plug. In addition, 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; any sections where casing was cut or milled; 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. After the well is completely cleaned out and all the casing removed, the well should be plugged to the total depth by pumping expanding cement slurry and pressurizing to at least 200 psi. If the casing cannot be removed, it must be cut, milled, perforated or ripped at all mineable coal seam levels to facilitate the removal of any remaining casing in the coal seam by the mining equipment. Any casing which remains shall be perforated or ripped to permit the injection of cement into voids within and around the well. All casing remaining at mineable coal seam levels shall be perforated or ripped at least every 5 feet from 10 feet below the coal seam to 10 feet above the coal seam.

Perforations or rips are required at least every 50 feet from 200 feet (400 feet if the total well depth is 4,000 feet or greater) below the base of the lowest mineable coal seam up to 100 feet above the uppermost mineable coal seam. See Appendix A. The mine operator must take appropriate steps to ensure that the annulus between the casing and the well walls are filled with expanding (minimum 0.5% expansion upon setting) cement and contain no voids.

If it is not possible to remove all of the casing, the operator shall notify the District Manager before any other work is performed. **If the well cannot be cleaned out or the casing removed, the operator shall prepare the well as described from the surface to at least 200 feet below the base of the lowest mineable coal seam for wells less than 4000 feet in depth and 400 feet below**

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the lowest mineable coal seam for wells 4000 feet or greater, unless the District Manager requires cleaning out and removal of casing to a greater depth based on his judgement as to what is required due to geological strata, or due to the pressure within the well.

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 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 (400 feet if the total well depth is 4,000 feet or greater) 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. The mine operator shall document what has been done to "kill the well" and plug the hydrocarbon producing strata.
- (5) If the upper-most hydrocarbon-producing stratum is within 300 feet of the base of the coal seam to be mined, or the lowest minable coal seam, whichever is lower, 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 (400 feet if the total well depth is 4,000 feet or greater) 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 RE-PLUGGING 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 re-plug wells:

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- (1) The operator shall pump expanding cement slurry down the well to form a plug which runs from at least 200 feet (400 feet if the total well depth is 4,000 feet or greater) below the base of the of the coal seam to be mined, or 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.
- (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-inch or larger diameter 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. When the hole cannot be marked with a physical monument (e.g. prime farmland), high-resolution GPS coordinates (one-half meter resolution) are required.

c. MANDATORY PROCEDURES FOR PLUGGING OR RE-PLUGGING OIL AND GAS WELLS FOR USE AS DEGASIFICATION WELLS

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

- (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 (400 feet if the total well depth is 4,000 feet or greater) of expanding cement below the coal seam to be mined, or the lowest mineable coal seam whichever is lower, 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 50 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.

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- (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 or the coal mine is abandoned, the operator must plug all degasification wells using the following procedures:
 - (i) The operator shall insert a tube to the bottom of the well or, if not possible, to within 100 feet above the coal seam being mined. 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-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.
 - (iv) This provision does not apply to traditional degasification holes which have not intersected the seam to be mined, have not commercially produced gas and have no API number.

d. MANDATORY ALTERNATIVE PROCEDURES FOR PREPARING AND PLUGGING OR RE-PLUGGING OIL OR GAS WELLS

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

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- (1) The operator shall drill a hole adjacent and parallel to the well, to a depth of at least 200 feet (400 feet if the total well depth is 4,000 feet or greater) below the coal seam to be mined, or the lowest mineable coal seam, whichever is lower, 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 operator shall use a geophysical sensing device to locate any casing which may remain in the well.

- (2) 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 least every 5 feet. Beyond this distance, the operator shall perforate or rip at least every 50 feet from at least 200 feet (400 feet if the total well depth is 4,000 feet or greater) below the base of the coal seam to be mined, or the lowest mineable coal seam, whichever is lower, 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 diagram shown in Appendix A is representative of the locations of the perforations or ripping that must be done.

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.

- (3) 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 (400 feet if the total well depth is 4,000 feet or greater) below the base of the coal seam to be mined, or the lowest mineable coal seam, whichever is lower, to a point at least 50 feet above the seam

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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.

- (4) The operator shall prepare down-hole logs for each well. Logs shall consist of a caliper survey, a gamma log, a bond log and a deviation survey for determining the top, bottom, and thickness of all coal seams down to the coal seam to be mined, **or lowest minable coal seam, whichever is lower**, potential hydrocarbon producing strata and the location of any existing 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.
- (5) 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; any sections where casing was cut or milled; 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 permanent magnetic monument of the well. In the alternative, a 4-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 shall discuss the nature of each hole. The District Manager may require that more than one method be utilized. The mine operator may submit an alternative plan to the district manager for approval to use different methods to address wells that cannot be completely cleaned out. The District Manager may require additional documentation and certification by a registered petroleum engineer to support the proposed alternative methods.

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3. MANDATORY PROCEDURES WHEN MINING WITHIN A 100-FOOT DIAMETER BARRIER AROUND 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 intersecting any plugged or re-plugged 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 related to the condition of the well or surrounding strata when such conditions are encountered.
- b. The operator shall intersect 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 intersecting 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, distance markers shall be installed on 5-foot centers for a distance of 50 feet in advance of the well in the headgate entry and in the tailgate entry.

- 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 well intersection (when either the conventional or continuous mining method is used) is available and operable during all well intersections. 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 and suitable sealing materials shall be available in the immediate area of the well intersection.

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- f. On the shift prior to intersecting the well, the operator shall service all equipment and check it for permissibility. Water sprays, water pressures, and water flow rates used for dust and spark suppression shall be examined and any deficiencies corrected.
- 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 intersecting 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. During the actual cutting process, no individual shall be allowed on the return side until the well intersection has been completed, and the area has been examined and declared safe. All workplace examinations on the return side of the shearer will be conducted while the shearer is idle. The operator's most current Approved Ventilation Plan will be followed at all times unless the District Manager deems a greater air velocity for the intersect is necessary.
- 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 intersecting 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 the area to be safe before permitting mining to resume.
- k. After a well has been intersected and the working place determined to be safe, mining shall continue in by the well a sufficient distance to permit adequate ventilation around the area of the well.
- l. If the casing is cut or milled at the coal seam level, the use of torches should not be necessary. However, in rare instances, torches may be used for inadequately or inaccurately cut or milled casings. No open flame shall be permitted in the area until adequate ventilation has been established around the well bore and methane levels of less than 1.0% are present in all areas that will be exposed to flames and sparks from the torch. 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 the use of torches.

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- m. Non-sparking (brass) tools will be located on the working section and will be used exclusively to expose and examine cased wells.
- n. No person shall be permitted in the area of the well intersection 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.
- p. The well intersection shall be under the direct supervision of a certified individual. Instructions concerning the well intersection shall be issued only by the certified individual in charge.
- q. If the mine operator cannot find the well in the middle of the longwall panel or if a development section misses the anticipated intersection, the operator shall cease mining to examine for hazardous conditions at the projected location of the well, notify the District Manager, and take reasonable measures to locate the well, including visual observation/inspection or through survey data. Mining may resume if the well is located and no hazardous conditions exist. If the well cannot be located, the mine operator shall notify the District Manager to resolve any issues before mining resumes.
- r. The provisions of this Order do not impair the authority of representatives of MSHA to interrupt or halt the well intersection, 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 well intersection 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 MSHA permits resumption. 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.
- s. A copy of this Order shall be maintained at the mine and be available to the miners.
- t. If the well is not plugged to the total depth of all minable coal seams identified in the core hole logs, any coal seams beneath the lowest plug will remain

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subject to the barrier requirements of 30 C.F.R. § 75.1700, should those coal seams be developed in the future.

- u. All necessary safety precautions and safe practices according to Industry Standards, required by MSHA regulations and State regulatory agencies having jurisdiction over the plugging site will be followed to provide the upmost protection to the miners involved in the process.
- v. All miners involved in the plugging or re-plugging operations will be trained on the contents of this Petition prior to starting the process and a copy of this Petition will be posted at the well site until the plugging or re-plugging has been completed.
- w. Mechanical bridge plugs should incorporate the best available technologies that are either required or recognized by the State regulatory agency and/or oil and gas industry.
- x. 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 on compliance with the terms and conditions stated in the Order. The operator shall provide all miners involved in well intersection with training on the requirements of this Order prior to mining within 150 feet of the next well intended to be mined through.
- y. The responsible person required under 30 C.F.R. § 75.1501 Emergency Evacuations, is responsible for well intersection emergencies. The well intersection procedures should be reviewed by the responsible person prior to any planned intersection.
- z. Within 30 days after this Order becomes final, the operator shall submit proposed revisions for its approved mine emergency evacuation and firefighting program of instruction required under 30 C.F.R § 75.1502. The operator will revise the program of instruction 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 submittal.

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, 201 12th Street South, Suite 401, Arlington, Virginia 22202-5452.

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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 shall 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 site. 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.



David L. Weaver
Acting Deputy Administrator
For Coal Mine Safety and Health

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Certificate of Service

I hereby certify that a copy of this proposed decision was served personally or mailed, postage prepaid, or provided by other electronic means this 18th day of January 2019, to:

Christopher D. Pence, Esq.
James P. McHugh, Esq.
Hardy Pence PLLC
500 Lee Street, East, Suite 701
Charleston, WV 25329



Tammie Carrington
Secretary

cc: Eugene White, Director Office of Miners' Health Safety & Training #7 Players Club
Dr. Suite 2, Charleston WV 25311
Eugene.E.White@wv.gov

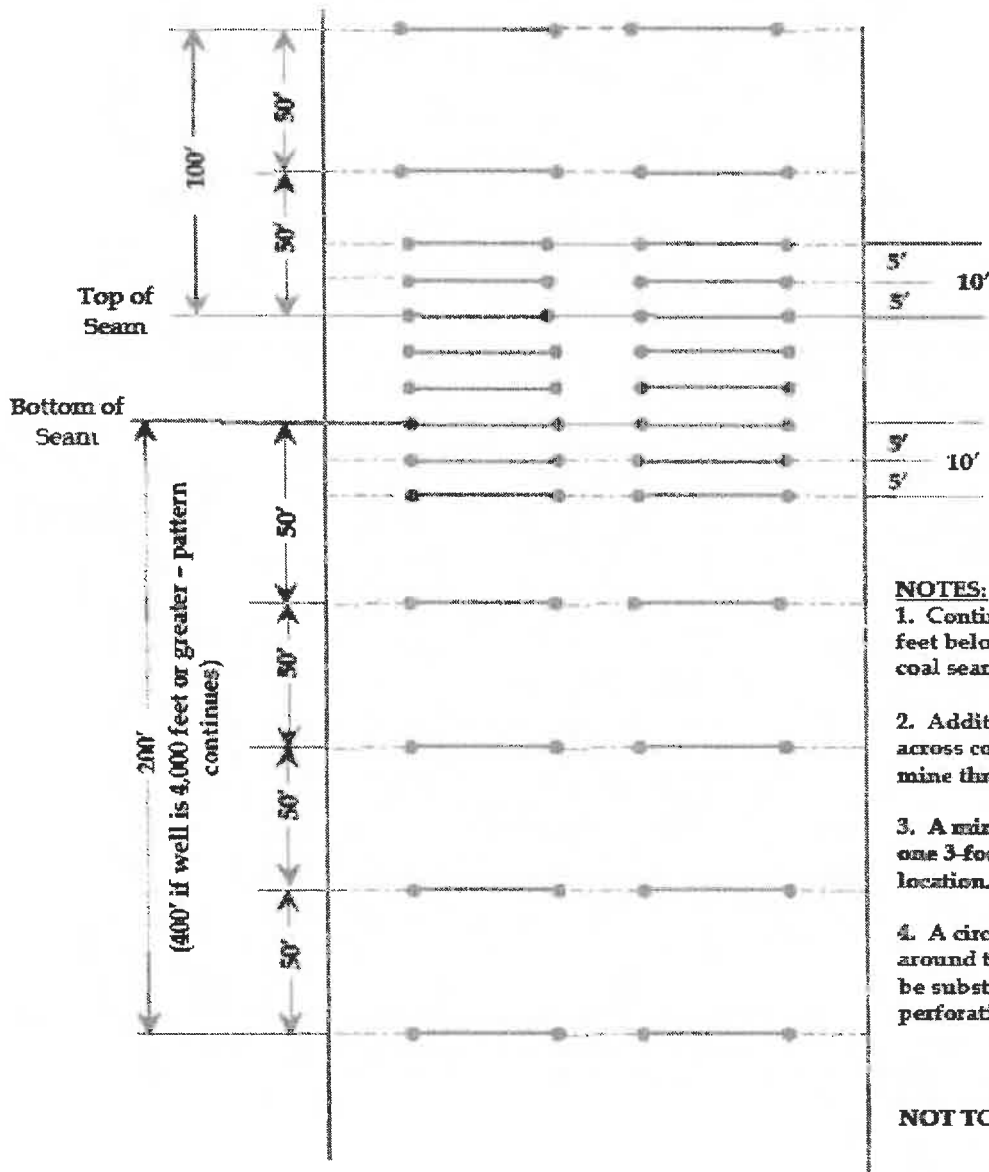
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Appendix A



NOTES:

1. Continuous rip from 10 feet below to 10 feet above coal seam or like sketch.
2. Additional rips made across coal seam to facilitate mine through.
3. A minimum of 4 shots or one 3-foot rip at each location.
4. A circumferential cut around the entire casing may be substituted for the perforation or ripping.

NOT TO SCALE

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06/02/2023



Select County: (109) Wyoming

Enter Permit #: 00107

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
 Usage Notes
 Contact Information
 Disclaimer
 WVGES Main
 Pipeline-Plus

Well: County = 109 Permit = 00107 [Link to all digital records for well](#)

Report Time: Thursday, May 25, 2023 1:36:26 PM

WV Geological & Economic Survey:
 Location Information: [View Map](#)
 API COUNTY PERMIT TAX_DISTRICT QUAD_76 QUAD_15 LAT_DD LON_DD UTM_E UTM_N
 4710900107 Wyoming 107 Bailey/107 Phenixville Phenixville 37.545274 -81.521065 4451386.9 4155545.4

There is no Bottom Hole Location data for this well

Owner Information:
 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
 4710900107 9/13/1946 Original Loc Completed New River/Coa CI 8004 Hope Natural Gas Company

Completion Information:
 API CMP_DT SPUD_DT ELEV DATUM FIELD DEEPEST_FM DEEPEST_FMT INTIAL_CLASS FINAL_CLASS TYPE RIG CMP_MTHD TWD TMD NEW_FTG KOD G_BEF G_AFT O_BEF O_AFT NGL_BEF NGL_AFT P_BEF P_AFT TL_AFT BH
 4710900107 9/13/1946 5/1/1946 1815 Ground Level Bailey/107 Beras Ss 2493 Lo Maxton 1694 Ravencroft/Avis Ss 0
 4710900107 9/13/1946 Pay Gas Vertical 2895 Big Lime 2907 Big Lime 0
 4710900107 9/13/1946 Pay Gas Vertical 3805 Beras Ss 3820 Beras Ss 0

Pay/Show/Water Information:
 API CMP_DT ACTIVITY PRODUCT SECTION DEPTH_TOP FM_TOP DEPTH_BOT FM_BOT G_BEF G_AFT O_BEF O_AFT WATER_QNTY
 4710900107 9/13/1946 Water Fresh Water Vertical 300 680
 4710900107 9/13/1946 Water Fresh Water Vertical 2904 2907
 4710900107 9/13/1946 Pay Gas Vertical 2895 Big Lime
 4710900107 9/13/1946 Pay Gas Vertical 3805 Beras Ss

Production Gas Information: (Volumes in Mcf) * 2022 data for H6A wells only. Other wells are incomplete at this time.

API	PRD_YEAR	ANUN_GAS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4710900107	1979	0	0	0	0	0	0	0	0	0	0	0	0	0
4710900107	1980	2,106	324	693	800	256	33	0	0	0	0	0	0	0
4710900107	1981	8,426	0	0	0	0	0	0	0	5,893	852	1,075	608	0
4710900107	1982	8,032	822	603	522	923	606	742	701	574	1,044	183	602	710
4710900107	1983	6,533	351	509	625	325	513	691	711	691	849	0	0	797
4710900107	1984	8,355	507	432	756	980	1,209	980	711	691	849	0	548	1,122
4710900107	1985	6,219	711	893	1,086	846	396	531	866	241	391	0	0	258
4710900107	1986	5,503	916	1,222	756	1,154	870	499	0	0	0	0	0	27
4710900107	1987	6,734	199	868	828	757	274	427	603	473	50	531	837	887
4710900107	1988	6,826	799	745	381	524	676	602	628	612	561	488	223	607
4710900107	1989	4,817	627	520	589	123	362	603	567	639	378	150	74	185
4710900107	1990	2,793	305	360	376	16	301	420	322	361	182	102	45	3
4710900107	1991	1,523	0	47	80	0	6	0	58	109	81	286	539	317
4710900107	1992	249	243	6	0	0	0	0	0	0	0	0	0	0
4710900107	1993	267	0	0	0	0	0	25	0	0	0	0	0	0
4710900107	1994	11,826	137	826	1,003	1,098	683	1,295	1,103	1,047	983	973	0	0
4710900107	1995	10,962	1,123	819	633	639	622	527	846	963	1,240	1,203	1,092	1,155
4710900107	1996	11,645	1,049	909	966	991	1,052	966	1,006	1,003	791	975	961	946
4710900107	1997	9,866	895	852	893	811	806	796	993	884	751	743	703	739
4710900107	1998	9,561	776	663	736	724	762	740	758	968	871	886	822	855
4710900107	1999	8,285	741	708	703	740	519	794	848	748	605	649	674	555
4710900107	2000	7,628	514	589	702	712	687	736	742	668	627	596	402	422
4710900107	2001	6,582	572	536	670	612	529	504	538	516	479	542	505	549
4710900107	2002	6,991	504	488	548	497	596	743	800	683	589	577	494	474
4710900107	2003	7,503	436	540	680	719	649	488	726	680	659	810	712	594
4710900107	2004	4,944	468	464	504	415	418	409	437	423	299	304	384	405
4710900107	2005	5,589	373	384	391	370	418	408	461	542	513	472	610	666
4710900107	2006	5,551	569	443	437	426	422	410	425	388	285	641	747	747
4710900107	2007	5,495	698	543	453	370	378	374	410	360	380	474	491	564
4710900107	2008	5,151	489	461	474	263	260	437	466	525	488	451	430	397
4710900107	2009	3,891	357	308	400	283	306	283	299	312	308	310	394	331
4710900107	2010	3,724	295	325	414	363	349	337	357	388	320	271	221	184
4710900107	2011	3,136	244	272	289	280	232	254	308	331	240	227	232	247
4710900107	2012	3,163	191	149	167	179	162	174	414	352	409	329	330	307
4710900107	2013	3,002	162	223	281	291	257	197	248	253	271	275	297	247
4710900107	2014	3,697	193	203	246	264	171	450	318	327	382	401	360	360
4710900107	2015	2,846	353	236	260	261	172	171	235	232	129	287	282	248
4710900107	2016	2,106	205	190	223	187	184	137	8	24	252	218	243	235
4710900107	2017	2,508	231	205	218	218	217	206	225	221	210	203	190	164
4710900107	2018	886	0	0	0	0	0	0	78	142	302	123	120	121
4710900107	2019	2,448	212	207	219	291	180	192	184	187	189	189	202	196
4710900107	2020	1,810	154	142	157	148	153	148	153	153	148	153	148	153
4710900107	2021	1,797	152	137	152	147	152	152	147	152	147	152	147	152

Production Oil Information: (Volumes in Bbl) ** some operators may have reported NGL under Oil. * 2022 data for H6A wells only. Other wells are incomplete at this time.

API	PRD_YEAR	ANUN_OIL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4710900107	1979	0	0	0	0	0	0	0	0	0	0	0	0	0
4710900107	1980	0	0	0	0	0	0	0	0	0	0	0	0	0
4710900107	1981	0	0	0	0	0	0	0	0	0	0	0	0	0
4710900107	1982	0	0	0	0	0	0	0	0	0	0	0	0	0
4710900107	1983	0	0	0	0	0	0	0	0	0	0	0	0	0

4710900107

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4710900107P

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Permit No. WYO- 107R

Oil or Gas Well (KIND)

Company Hope Natural Gas Company.
 Address 445 West Main St. Clarksburg, W. Va.
 Farm New River Pocahontas Coal Co. Acres 17.350
 Location (waters) _____
 Well No. 9004 Elev. 1815
 District Baileysville County Wyoming
 The surface of tract is owned in fee by _____
 Address _____
 Mineral rights are owned by _____
 Address _____
 Drilling commenced May 1, 1946
 Drilling completed September 13, 1946
 Date Shot not From _____ To _____
 With _____
 Open Flow /10ths Water in _____ Inch
 /10ths Merc. in _____ Inch
 Volume 7.328,000 Cu. Ft.
 Rock Pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 Fresh water 390 690 feet
 Salt water _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
18	23	23	
10			Size of
8 1/4	1552	1552	<i>cement 69'</i>
6 1/2	2725	2725	Depth set
5 3/16	3731	3731	<i>cement 270'</i>
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED. SIZE No. Ft. Date
8" with 14 bags- 5 1/2" with 15 bags.

COAL WAS ENCOUNTERED AT 230 FEET 24 INCHES
999 FEET 48 INCHES FEET INCHES
 FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
soil			0	8			
Sand			8	54			
Slate			54	75			
Sand			75	152			
Slate			152	158			
Sand			158	181			
Slate			181	215			
Sand			215	230			
Coal			230	232			
Sand			232	253			
Slate			253	315			
Sand			315	397	water	390	
Slate			397	406			
Sand			406	649			
Slate			649	688			
Sand			688	720	water	690	
Slate			720	729			
Sand			729	906			
Slate			906	919			
Sand			919	986			
Slate			986	999			
Coal			999	1003			
Slate			1003	1020			
Sand			1020	1105			
Slate			1105	1126			
Sand			1126	1195			
Slate			1195	1224			
Sand			1224	1267			
Slate shell			1267	1307			
Red rock			1307	1316			
Slate			1316	1335			
Sand			1335	1344			
Slate			1344	1551			
Lime			1551	1584			
Sand			1584	1588			
Slate			1588	1594			
Red rock			1594	1600			
RAVENCLIFFE			1600	1670	gas	1664	
Lime			1670	1684			

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Date: 2023.05.05 16:01:21 -0400

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Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
	Slate		1684	1705			
	AVIS LIME		1705	1762			
	Red rock		1762	1795			
	Lime		1795	1820			
	Sand		1820	1849			
	Lime		1849	1876			
	Red rock		1876	1976			
	UPPER MAXON		1976	1982			
	Slate		1982	2018			
	Lime		2018	2102			
	Slate		2102	2129			
	MIDDLE MAXON		2129	2176			
	Slate		2176	2208			
	Red rock		2208	2210			
	Slate		2211	2242			
	Red rock		2242	2264			
	Lime		2264	2430			
	LOWER MAXON		2430	2503	gas	2493 94	
	Slate		2503	2568			
	Little Lime		2568	2630			
	Slate		2630	2694			
	BIG LIME		2694	3138	gas	2895 2907	
	BIG INJUN		3138	3216			
	Sand		3216	3432			
	Slate		3432	3505			
	Lime		3505	3522			
	Slate		3522	3764			
	Shale		3764	3779			
	Lime		3779	3797			
	BEREA		3797	3826	gas	3805 to 3820	
	Total depth			3826			

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WV Department of
Environmental Protection

Samuel D. Ward II	Digitally signed by Samuel D. Ward II Date: 2023.05.05 16:01:28 -0400
----------------------	---

06/02/2023

Date September 19, 1946, 19

APPROVED Hope Natural Gas Company, Owner

By General Superintendent



Latitude 37.35

NEW RIVER & POCAHONTAS CONSOLIDATED COAL CO.

17,351.828 MIN.

RECEIVED
Office of Oil and Gas

MAY 11 2023

WV Department of
Environmental Protection

Longitude 80.35

Loc #9004
El. 1815

S45°30'W 1151.57'

T-RAIL

876.44'

553.96'

T-RAIL MARBLE
UNPROTECTED W.U.

WILLIAM COLLINS

110.692 FEE

N63°00'W 1278.14'

TWO LARGE POPLARS

T-RAIL

S85°58'E
984.57'

INDIAN

COORDINATE VALUES Loc #9004
N-64975.56
W-20399.30

U.F.G. CO. 4" TELEPHONE & 20" PIPE LINE

2.885
2.11W

781 R14
E.B. 779 R.9415

New Location REVISED
Drill Deeper
Abandonment

Company HOPE NATURAL GAS CO.
Address CLARKSBURG, W. VA.
Farm NEW RIVER & POCAHONTAS CONS. C. CO
Tract _____ Acres 17,351.82 Lease No. 562A4
Well (Farm) No. _____ Serial No. 9004
Elevation (Spirit Level) 1815
Quadrangle PINEVILLE
County WYOMING District BAILEYSVILLE
Engineer J.M. Bowen
Engineer's Registration No. 900
File No. _____ Drawing No. _____
Date JAN. 30, 1946 Scale 1" = 300'

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

WELL LOCATION MAP

FILE NO. WV-G-107-R

06/02/2023

4 - Denotes location of well on United States Topographic Maps, scale 1 to 62,500. Latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

WW-4A
Revised 6-07

1) Date: 4-24-23
2) Operator's Well Number
Hope 9004

3) API Well No.: 47 - 109 - 00107

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

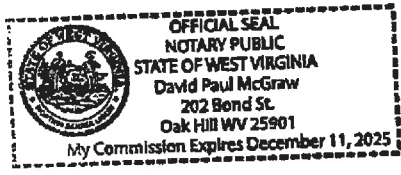
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Bluestone Resources, Inc.</u>	Name <u>Spartan Mining Co.</u>
Address <u>302 S Jefferson St., Ste 500</u>	Address <u>208 Business Street</u>
<u>Roanoke, VA 24011</u>	<u>Beckley, WV 25801</u>
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Western Pocahontas Properties, LLC</u>
	Address <u>5260 Irwin Road</u>
	<u>Huntington, WV 25705</u>
(c) Name _____	Name _____
Address _____	Address _____
6) Inspector <u>Gary Kennedy</u>	(c) Coal Lessee with Declaration
Address <u>66 Old Church Lane</u>	Name <u>Spartan Mining Co.</u>
<u>Pipestem, WV 25979</u>	Address <u>208 Business Street</u>
Telephone <u>304-382-8402</u>	<u>Beckley, WV 25801</u>

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

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

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

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



Well Operator <u>Boone East Development Co., LLC</u>	RECEIVED
By: <u>[Signature]</u>	Office of Oil and Gas
Its: <u>Authorized Agent</u>	MAY 11 2023
Address <u>PO Box 260</u>	
<u>Julian, WV 25529</u>	
Telephone <u>304-369-8670</u>	WV Department of Environmental Protection

Subscribed and sworn before me this 27 day of April 2023
[Signature] Notary Public
My Commission Expires December 11, 2025

Oil and Gas Privacy Notice

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

06/02/2023

7017 0530 0000 9025 3022

PLACE STICKERS AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS. HOLD AT POSTED TIME.

CERTIFIED MAIL®



7017 0530 0000 9025 3022

7017 0530 0000 9025 3022

CERTIFIED MAIL® RECEIPT

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4710900107P

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

OFFICIAL USE

Certified Mail Fee \$	Postmark Here
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy) \$	
<input type="checkbox"/> Return Receipt (electronic) \$	
<input type="checkbox"/> Certified Mail Restricted Delivery \$	Sent To
<input type="checkbox"/> Adult Signature Required \$	
<input type="checkbox"/> Adult Signature Restricted Delivery \$	
Postage \$	St: Bluestone Resources Inc
Total Postage and Fees \$	
	302 S Jefferson St, Ste 500
	Roanoke, VA 24011

PS Form 3811, July 2015 PSN 7530-02-000-9053 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Bluestone Resources Inc
302 S Jefferson St, Ste 500
Roanoke, VA 24011



9590 9402 5187 9122 0429 75

2. Article Number (Transfer from service label)

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Agent
 Addressee

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

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

3. Service Type
- | | |
|--|---|
| <input type="checkbox"/> Adult Signature | <input type="checkbox"/> Priority Mail Express® |
| <input type="checkbox"/> Adult Signature Restricted Delivery | <input type="checkbox"/> Registered Mail™ |
| <input type="checkbox"/> Certified Mail® | <input type="checkbox"/> Registered Mail Restricted Delivery |
| <input type="checkbox"/> Certified Mail Restricted Delivery | <input type="checkbox"/> Return Receipt for Merchandise |
| <input type="checkbox"/> Collect on Delivery | <input type="checkbox"/> Signature Confirmation™ |
| <input type="checkbox"/> Collect on Delivery Restricted Delivery | <input type="checkbox"/> Signature Confirmation Restricted Delivery |
| <input type="checkbox"/> Insured Mail | |
| <input type="checkbox"/> Insured Mail Restricted Delivery (over \$500) | |

PS Form 3811, July 2015 PSN 7530-02-000-9053

Domestic Return Receipt

06/02/2023

7017 0530 0000 9025 3015

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS. FOLD AT DOTTED LINE.

CERTIFIED MAIL®



7017 0530 0000 9025 3015
7017 0530 0000 9025 3015

CERTIFIED MAIL® RECEIPT
Domestic Mail Only

47109001070

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

OFFICIAL USE

Certified Mail Fee	\$
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	\$
Total Postage and Fees	\$

Postmark Here

Spartan Mining Co
208 Business Street
Beckley WV 25801

See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Spartan Mining Co
208 Business Street
Beckley WV 25801



9590 9402 5187 9122 0429 99

2. Article Number (Transfer from service label)

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

Agent

Addressee

B. Received by (Printed Name)

C. Date of Delivery

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

3. Service Type

- | | |
|--|---|
| <input type="checkbox"/> Adult Signature | <input type="checkbox"/> Priority Mail Express® |
| <input type="checkbox"/> Adult Signature Restricted Delivery | <input type="checkbox"/> Registered Mail™ |
| <input type="checkbox"/> Certified Mail® | <input type="checkbox"/> Registered Mail Restricted Delivery |
| <input type="checkbox"/> Certified Mail Restricted Delivery | <input type="checkbox"/> Return Receipt for Merchandise |
| <input type="checkbox"/> Collect on Delivery | <input type="checkbox"/> Signature Confirmation™ |
| <input type="checkbox"/> Collect on Delivery Restricted Delivery | <input type="checkbox"/> Signature Confirmation Restricted Delivery |
| <input type="checkbox"/> Insured Mail | |
| <input type="checkbox"/> Insured Mail Restricted Delivery (over \$500) | |

PS Form 3811, July 2015 PSN 7530-02-000-9053

Domestic Return Receipt

06/02/2023

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

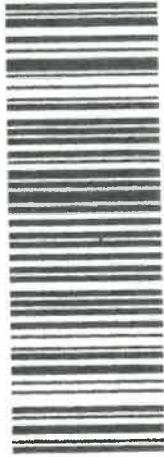
For delivery information, visit our website at www.usps.com

OFFICIAL USE

7017 0530 0000 9025 3039

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS. FOLD AT DOTTED LINE

CERTIFIED MAIL®



7017 0530 0000 9025 3039

7017 0530 0000 9025 3039

Certified Mail Fee	\$
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$ _____
<input type="checkbox"/> Return Receipt (electronic)	\$ _____
<input type="checkbox"/> Certified Mail Restricted Delivery	\$ _____
<input type="checkbox"/> Adult Signature Required	\$ _____
<input type="checkbox"/> Adult Signature Restricted Delivery	\$ _____

Postmark Here

Postage	\$
Total Postage and Fees	\$

Western Pocahontas Properties, LLC
5260 Irvin Road
Huntington, WV 25705

Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Western Pocahontas Properties, LLC
5260 Irvin Road
Huntington, WV 25705



9590 9402 5187 9122 0429 68

2. Article Number (Transfer from service label)

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

- Agent
- Addressee

B. Received by (Printed Name)

C. Date of Delivery

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

3. Service Type

- Adult Signature
- Adult Signature Restricted Delivery
- Certified Mail®
- Certified Mail Restricted Delivery
- Collect on Delivery
- Collect on Delivery Restricted Delivery
- Insured Mail
- Insured Mail Restricted Delivery (over \$500)
- Priority Mail Express®
- Registered Mail™
- Registered Mail Restricted Delivery
- Return Receipt for Merchandise
- Signature Confirmation™
- Signature Confirmation Restricted Delivery

06/02/2023

Operator's Well
Number

9004

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..."

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,
RECEIVED
Office of Oil and Gas

Signature		Date		Name By Its
				MAY 11 2023
				Date
			WV Department of Environmental Protection	Date
			Signature	

06/02/2023

WW-4B

API No. 4710900107P
 47-109-00120
 Farm Name New River Pocahontas Coal Co.
 Well No. 9004

**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.

WAIVER

The undersigned coal operator ____ / owner ____ / lessee ____ / 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: _____

By: _____

Its _____

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WV Department of
 Environmental Protection

06/02/2023

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

Operator Name Boone East Development Co., LLC OP Code 310294

Watershed (HUC 10) 0507010103 Quadrangle Pineville

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 AND DISPOSED PROPERLY.

JMM

If so, please describe anticipated pit waste: _____

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

Proposed Disposal Method For Treated Pit Wastes:

SDW 5/5/2023

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

Will closed loop system be used? If so, describe: N/A

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

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

Additives to be used in drilling medium? N/A

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. N/A

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

-Landfill or offsite name/permit number? _____

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

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

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

Company Official Signature *Timothy R. McGraw*

Company Official (Typed Name) Timothy R. McGraw

Company Official Title Authorized Agent

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Office of Oil and Gas

MAY 11 2023

Subscribed and sworn before me this 27 day of April, 2023

David Paul McGraw

My commission expires December 11, 2025

WV Department of Environmental Protection



06/02/2023

Proposed Revegetation Treatment: Acres Disturbed 0.5 Prevegetation pH _____
 Lime 2 Tons/acre or to correct to pH 6.0
 Fertilizer type 10-20-20
 Fertilizer amount 500 lbs/acre
 Mulch 0.5 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Tall Fescue	40	Tall Fescue	40
Orchard Grass	6	Orchard Grass	6
Perennial Rye Grass	39	Perennial Rye Grass	39
Red Clover	17	Red Clover	17

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: Samuel D. Ward II Digitally signed by Samuel D. Ward II
Date: 2023.05.05 16:02:01 -04'00'

Comments: _____

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Office of Oil and Gas

MAY 11 2023

WV Department of
Environmental Protection

Title: OOG Inspector Supervisor Date: 5/5/23

Field Reviewed? () Yes () No

06/02/2023

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

Operator Name: Boone East Development Co., LLC
Watershed (HUC 10): 0507010103 Quad: Pineville
Farm Name: New River Pocahontas Coal Co.

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

The only fluid involved in this operation is fresh water; therefore, no threat to groundwater contamination exists.

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

N/A

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

Indian Creek is less than 0.25 mile from location.

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

N/A

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MAY 11 2023
WV Department of
Environmental Protection

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

N/A

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

No waste material will be used for deicing or fill material.

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

N/A

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

N/A

Signature: 

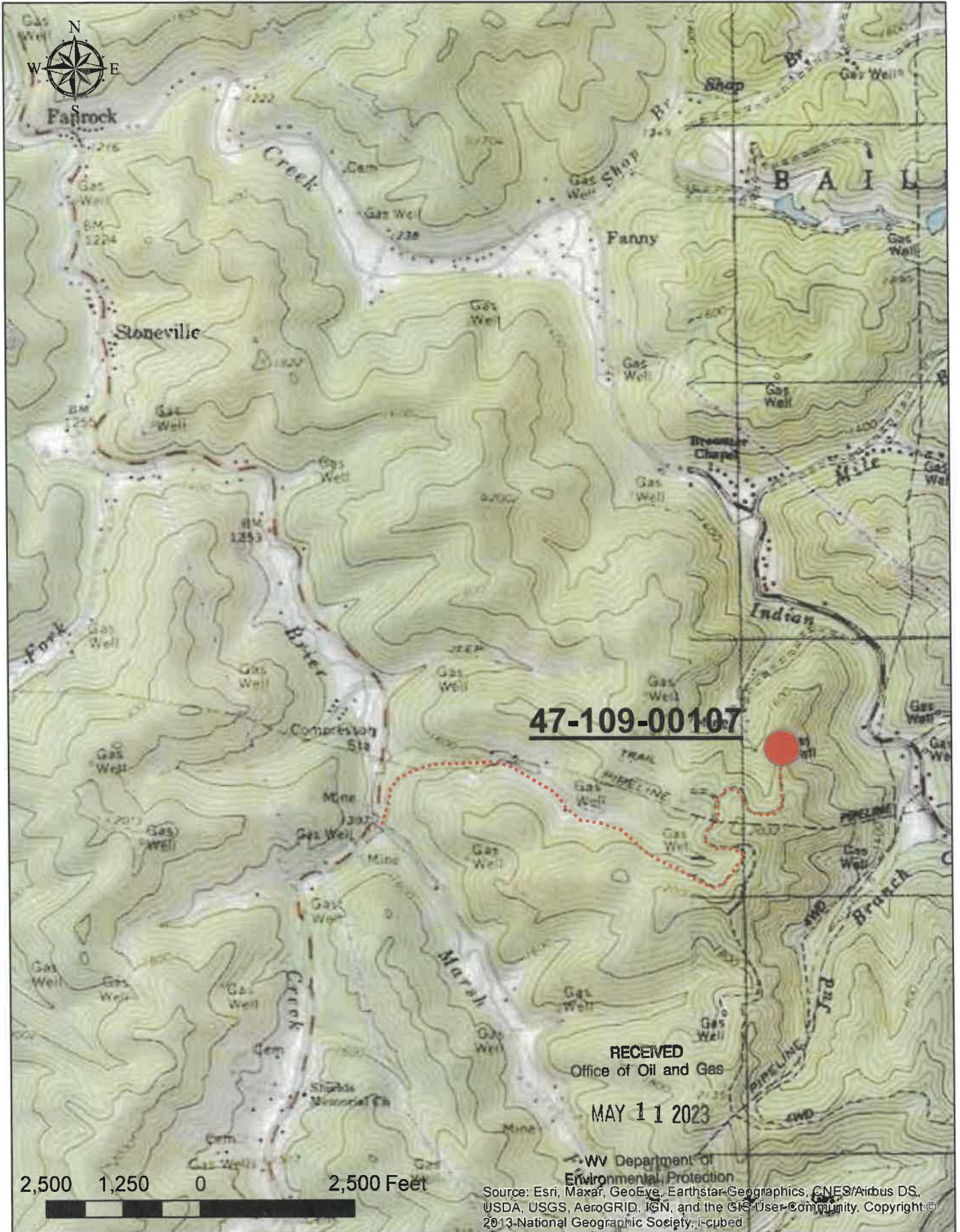
Date: 5/2/2023

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MAY 11 2023

WV Department of
Environmental Protection

06/02/2023



06/02/2023

should contain the name, address and telephone number of the person filing the comment, the well operator's name and well number, and the approximate location of the proposed well site including district and county as indicated in the permit application. Comments may be accompanied by other pertinent documents in support of the comment. Other than as prescribed in this rule, no particular form for the comment is prescribed.

5.5. Identification Markings.

5.5.a. Every well shall have attached or stamped, in a permanent manner, the API identification number which consists of the state (47), county (001 through 109), and permit number. Such number shall be no less than one-half (1/2) inch in height and detectable by any interested person approaching the well. Any additional information the well operator may desire to display may be incorporated in the permanent identification plat or stamp in such a manner that it will not confuse or distort the permanent API identification number.

5.5.b. Except as provided below, upon the completion of the plugging and filling of any abandoned well, a permanent monument or marker consisting of a length of pipe (minimum diameter size six (6) inches) filled with concrete (or the equivalent thereof if approved by the Chief) shall be erected over the well; the marker shall extend no less than thirty (30) inches above the surface and not less than ten (10) feet below the surface and into the well, and shall be sealed with concrete for the purpose of making the marker permanent. The API well identification number which consists of the state (47), county (001 through 109), and permit number shall be attached or stamped in a permanent manner to said monument; and such numbering shall be no less than one half (1/2) inch in height and detectable by any interested person approaching the marker. The erection of the marker shall in no way interfere with the bleeder pipe from the well where such pipe is required, or the vent or other device installed pursuant to W. Va. Code § 22-6-24. Such manner shall be accurately described on Form WR-38, "Affidavit of Plugging and Filling Well" (see subsection 13.10 below) as to time and manner of plugging and filling the well, and shall be approved by the Chief as a satisfactory landmark that may be used as such in the location of adjacent wells. Two (2) permanent reference points with courses and distances from the abandoned well shall be designated and prescribed on the plat required by subdivision 5.2.d above in the form prescribed by section 9 below, accompanying Form WW-4, "Notice of Intention to Plug and Abandon a Well," if any change in the plat is necessary, accompanying Form IV-38, "Affidavit of Plugging and Filling Well" (see subsection 13.10 below).

5.6. Parties Responsible. All contractors and drillers, including all service companies carrying on business or doing work in oil and gas fields in West Virginia, as well as lease holders and operators generally, shall take notice of and are hereby directed to observe and apply the provisions of W. Va. Code § 22-6 and this rule; and all contractors, drillers, service companies and operators shall be held responsible for violations thereof.

5.7. Evidence of Performance.

5.7.a. After the completion of the work authorized to be done by any permit required by W. Va. Code § 22-6-6, the permittee shall comply with filing requirements of W. Va. Code § 22-6-22 and section 12 of this rule.

5.7.b. In addition to the requirements of subdivision 5.7.a, following completion of plugging a well, the permittee shall also comply with the affidavit requirements of W. Va. Code § 22-6-23 and subsection 13.10 below.

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WV Department of
Environmental Protection

06/02/2023



P.O. Box 289
Cedar Bluff, Virginia 24609
Telephone (276) 345-9161
Telefax (540) 301-5996

4710900107

No Fee

May 8, 2023

WV DEP Office of Oil and Gas
601 57th Street, SE
Charleston, WV 25304

RE: Plugging Permit Application for 47-109-00107 (Well: 9004)

Please find enclosed on behalf of Boone East Development Co., LLC, the permit application for plugging the vertical well 9004 (API 47-109-00107), located in Wyoming County, West Virginia. This well is being plugged due to the advancement of underground mining activities. Should you have any questions or concerns in regards to this application, please feel free to contact me using the information provided below.

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Hrovatic", is written over a light blue horizontal line.

Andy Hrovatic
Ultra Production Company, LLC
Cell: 276-970-6431
Email: ahrovatic@ultraproductioncompany.com

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MAY 11 2023

WV Department of
Environmental Protection

06/02/2023



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

Fwd: Message from KM_C450i

1 message

McLaughlin, Jeffrey W <jeffrey.w.mclaughlin@wv.gov>

Tue, May 30, 2023 at 10:40 AM

To: "ahrovatic@UltraProductionCompany.com" <ahrovatic@ultraproductioncompany.com>, Gary L Kennedy

<gary.l.kennedy@wv.gov>, mecook2@assessor.state.wv.us

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

To All:

Please find attached the newly issued plugging permit for Operators Well No. 4004 (API No. 47-109-00107).

Regards,

Jeff McLaughlin, Technical Analyst
WV DEP, Office of Oil and Gas

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

From: <Copy.Center.2064@wv.gov>

Date: Tue, May 30, 2023 at 10:31 AM

Subject: Message from KM_C450i

To: <jeffrey.w.mclaughlin@wv.gov>

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