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west virginia department of environmental protection

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

Austin Caperton, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Thursday, June 11, 2020  
WELL WORK PLUGGING PERMIT  
Vertical Plugging

LEATHERWOOD, LLC  
1000 CONSOL ENERGY DRIVE

CANONSBURG, PA 15317

Re: Permit approval for 5020  
47-051-00696-00-00

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: 5020  
Farm Name: ABEL LUCEY  
U.S. WELL NUMBER: 47-051-00696-00-00  
Vertical Plugging  
Date Issued: 6/11/2020

I

47-051-00696P

## 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.

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### CONDITIONS

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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.

WW-4B  
Rev. 2/01

1) Date March 31, 2020  
2) Operator's  
Well No. 5020  
3) API Well No. 47-051-00696 P

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

RECEIVED  
Office of Oil and Gas

APR 15 2020

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

WV Department of  
Environmental Protection

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

5) Location: Elevation 1191.21 Watershed Williams Run  
District Cameron County Marshall Quadrangle Majorsville, WV 7.5

6) Well Operator Leatherwood LLC 7) Designated Agent Sandra Halstead  
Address 1000 CONSOL Energy Drive Address 1627 Quarrier Street  
Canonsburg, PA 15317 Charleston, WV 25311

8) Oil and Gas Inspector to be notified Name James Nicholson  
Address P.O. Box 44  
Moundsville, WV 26041  
9) Plugging Contractor Name Coastal Drilling East  
Address 130 Meadow Ridge Road, Suite 24  
Mount Morris, PA 15349

- 10) Work Order: The work order for the manner of plugging this well is as follows:  
The 4 1/2" casing will be cleaned out to TD or to an attainable bottom. A bottom cement plug will be placed. No gel spacers will be used. A CBL will be completed on the well. Any free pipe will be removed. The casing will be sectioned milled through the Pittsburgh coal seam. The well will be cemented from the bottom cement plug to the surface using expanding cement. A well permanent well marker will be placed on the surface. See Exhibit No. 1. MSIT 101 C EXEMPTION

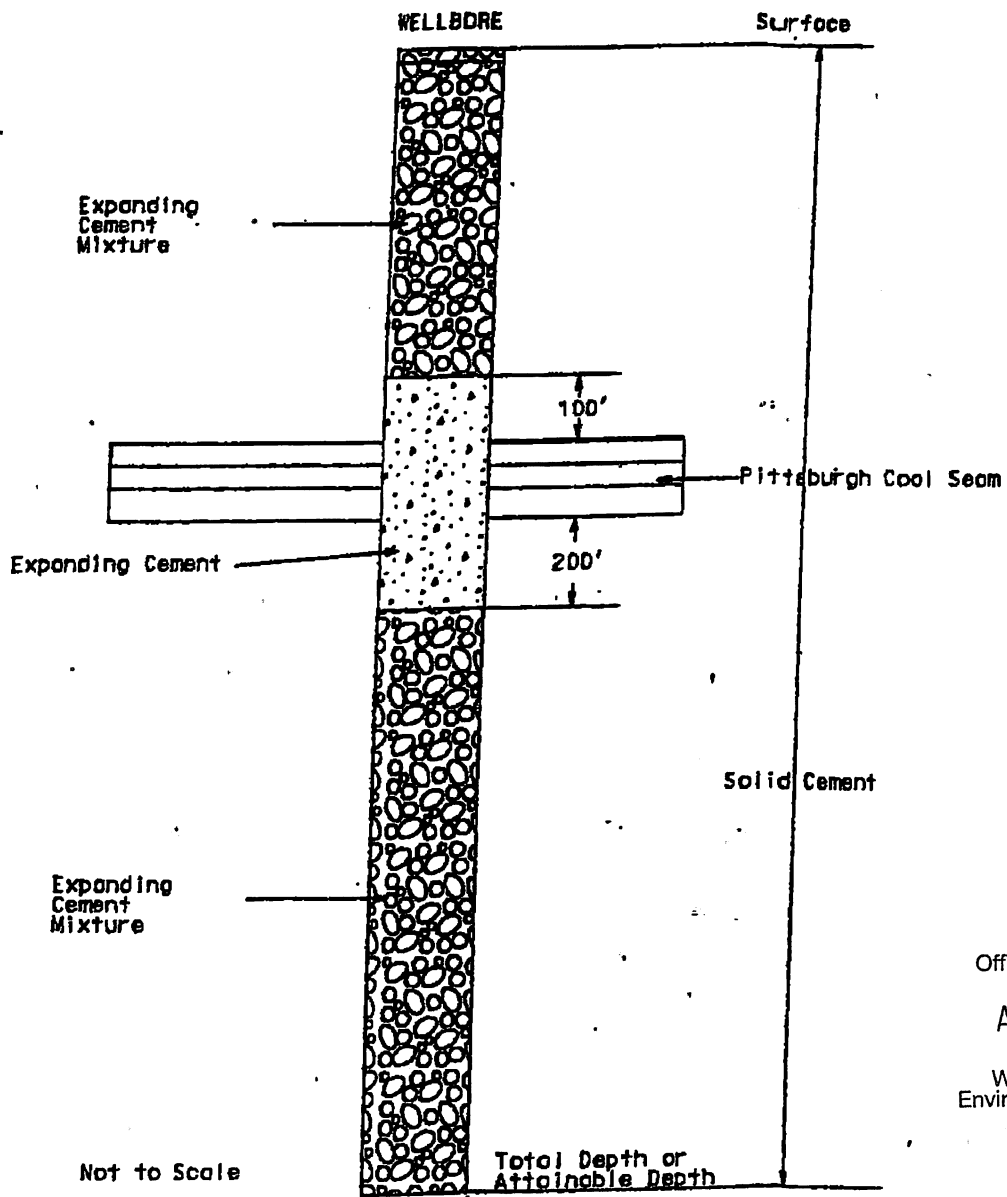
Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector

Jim Nicholson

Date 4/7/2020

Exhibit #1



RECEIVED  
Office of Oil and Gas

APR 15 2020

WV Department of  
Environmental Protection

DEC 18 2013

In the matter of:  
Consol Pennsylvania Coal Company LLC

Petition for Modification

Bailey Mine  
I. D. No. 36-07230

MSHA 101C

BMX Mine  
I. D. No. 36-10045

EXEMPTION

Docket No. M-1983-129-C

PROPOSED DECISION AND ORDER

On October 06, 1983, a petition was filed seeking a modification of the application of 30 CFR. 75.1700 to Petitioner's Bailey Mine located in Green County, Pennsylvania. **The Petitioner has split the Bailey Mine by installing 120 psi seals and calling the other half the BMX Mine. This Amended Decision and Order includes the BMX Mine in the original Order and will supersede the original Decision and Order. The mine conditions are the same for both mines. All terms and conditions will pertain to both mines.** The Petitioner alleges that the alternative method outlined in the petition will at all times guarantee no less than the same measure of protection afforded by the standard.

MSHA investigators conducted an investigation relevant to the merits of the petition and filed a report of their findings and recommendations with the Chief, Division of Safety, Coal Mine Safety and Health. After a careful review of the entire record, including the petition and MSHA's investigation report and recommendation, this Proposed Decision and Order is issued.

Finding of Fact and Conclusion of Law

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 CFR 75.1700.

On the basis of the petition and the findings of MSHA's investigation, Consol Pennsylvania Coal Company LLC is entitled to a modification of the application of 30 C. F. R. § 75.1700 to its Bailey Mine and BMX Mine.

ORDER

Under the authority delegated by the Secretary of Labor to the Administrator for Coal Mine Safety and Health, and under § 101(c) of the Federal Mine Safety and Health Act of 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 Bailey Mine and BMX 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 (defined herein to include all active, inactive, abandoned, shut-in, and previously plugged wells, and including water injection 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 coal 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) If 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 ft. 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. The operator shall remove all material from the entire diameter of the well, wall to wall.
  - (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. 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. If it is not possible to remove all of the casing, then the operator must take appropriate steps to ensure that the annulus between casings and between the outer casings and the well walls are

filled with expanding (minimum 0.5% expansion upon setting) cement and contain no voids. If the casing cannot be removed, it must be cut or milled at all mineable coal seam levels. Any casing which remains shall be perforated or ripped. 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. 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.
- (5) If the upper-most hydrocarbon-producing stratum is within 300 feet of the base of the lowest mineable 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 (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 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 (400 feet if the total well depth is 4,000 feet or greater) 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.

(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 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 not be marked with a physical monument (i.e. prime farmland), high-resolution GPS coordinates (one-half meter resolution) are required.

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 (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 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 or the coal mine is abandoned, the operator must seal degas holes using the following procedures:
  - (i) The operator shall insert a tube to the bottom of the drill hole or, if not possible, to at least 100 feet above the 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.

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 (400 feet if the total well depth is 4,000 feet or greater) 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 (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 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 placement of the perforation 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.

(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 (400 feet if the total well depth is 4,000 feet or greater) 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 inch or larger casing, set in cement, shall extend at least 36 inches above the ground level

A combination of the methods outlined in subparagraphs (d)(3) and (d)(4) may have to be used in a single well, depending upon the conditions of the hole and the presence of casings.

The operator and the district manager should discuss the nature of each hole. The district manager may require that more than one method be utilized.

3. MANDATORY PROCEDURES AFTER APPROVAL HAS BEEN GRANTED BY THE DISTRICT MANAGER TO MINE WITHIN THE SAFETY BARRIER, OR TO MINE THROUGH A PLUGGED OR REPLUGGED WELL

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

- e. The operator shall ensure that sufficient supplies of roof support and ventilation materials shall be available and located at the last open crosscut. In addition, emergency plugs and suitable sealing materials shall be available in the immediate area of the well intersection.
- f. On the shift prior to mining through 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 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 the area is safe before mining is resumed.
- k. After a well has been intersected and the working place determined 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 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 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.
- 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 MSHA 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.

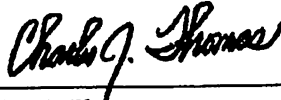
- t. The responsible person required under 30 C.F.R. § 75.1501 is responsible for well intersection emergencies. The well intersection procedures should be reviewed by the responsible person prior to any planned intersection.
- u. Within 30 days after this Order becomes final, the operator shall submit 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 CFR 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 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.

SIGNED BY:




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Charles J. Thomas  
Deputy Administrator for  
Coal Mine Safety and Health

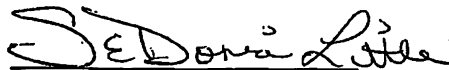


Certificate of Service

I hereby certify that a copy of this referral for hearing was served personally or mailed, postage prepaid, this 18<sup>th</sup> day of December, 2013, to:

Mr. Michael A. Sinozich  
 Director of Compliance - Safety  
 CONSOL Energy, Inc.  
 CNX Center  
 1000 Consol Energy Drive  
 Canonsburg, PA 15317-6506

Mr. Dennis O'Dell  
 18354 Quantico Gateway Dr., Suite 200  
 United Mine Workers of America  
 Triangle, VA 22172-1179

  
 SeDonia L. Little  
 Secretary

cc: Mr. Joe Scaffoni, Director of Deep Mines Safety, PA Dept. Of Environmental Protection

bcc: District 2  
 OSRV  
 E. Sherer  
 Case File

MCS:D.Braenovich 11/26/2013 New Terms & Conditions for 75.1700 as per E. Sherer:sll  
 4/02/13: using language modeled on previous decisions (2012-065) with standard terms  
 and conditions

FILE COPY	
Surname	Date
<i>Scaffoni</i>	<i>12/02/2013</i>
<i>Arington</i>	<i>12-02-13</i>
<i>SRK</i>	<i>12.3.13</i>
<i>P.J. Thomas</i>	<i>12-05-2013</i>

No Completion Report (WR-35)  
FOR THIS WELL.

47-051-00696 P

(Reverse)

(Revised 3-81)

USE → PROPOSED WORK ORDER AS REFERENCE GUIDE

THIS IS AN ESTIMATE ONLY:  
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM 1005 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) PAN EASTERN DRILLING  
Address 123 Greene Street  
Marietta, OH 45750

GEOLOGICAL TARGET FORMATION Berea  
Estimated depth of completed well 3000' feet. Rotary X / Cable tools      /  
Approximate water strata depths: Fresh, 115 feet; salt,      feet.  
Approximate coal seam depths: N/A  
Is coal being mined in this area: Yes      / No X

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL- UP OR SACKS Cubic ft.	PACKER'S
	Size	Grade	Weight per ft	New	Used	For Drill- line		
Conductor	11 3/4"			X			30'	Pulled if <del>fixed</del> possible
Fresh water	8"			X			350'	To Surface
Coal								Sizes
Intermed.								
Production Tubing	4 1/2"			X			3000'	500 sx or as required by Rule 15.01
Liners								Perforations: Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code §22-4-2, (iii) Form IV-9, "Reclamation Plan" applicable to the reclamation required by Code §22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code §22-4-10a, and (v) if applicable, the consent required by Code §22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.  
A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE  
ALL PROVISIONS BEING IN ACCORDANCE WITH CHAPTER 22.  
ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY  
APPROVED FOR \_\_\_\_\_ THIS PERMIT SHALL EXPIRE  
IF OPERATIONS HAVE NOT COMMENCED BY \_\_\_\_\_  
BY [Signature]

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code §22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

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

Date: \_\_\_\_\_, 19\_\_\_\_.

By: \_\_\_\_\_

Its: \_\_\_\_\_

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Office of Oil and Gas

APR 15 2020

WV Department of Environmental Protection

# WVDEP Office of Oil and Gas - Well Search

**Disclaimer:** Per §22-6-6. Permit required for all well work; permit fee; application; soil erosion control plan.

(a) It is unlawful for any person to commence any well work, including site preparation work, which involves any disturbance of land, without first securing a well work permit from the director of the WVDEP Office of Oil and Gas.

The appearance of an API number on the web page does not signify that a permit has been issued. The API number is used as a tracking mechanism until the permit has been issued. Under no circumstances should well work be commenced without a signed permit.

## Current Operator

Well API	Operator	Surface Owner	Well Number	Well Status	Well Type	Last Permit Issue Date
4705100696	LUCEY, ABEL L	KRAFTON, KARL	1	Active Well	Vertical	04/19/1982

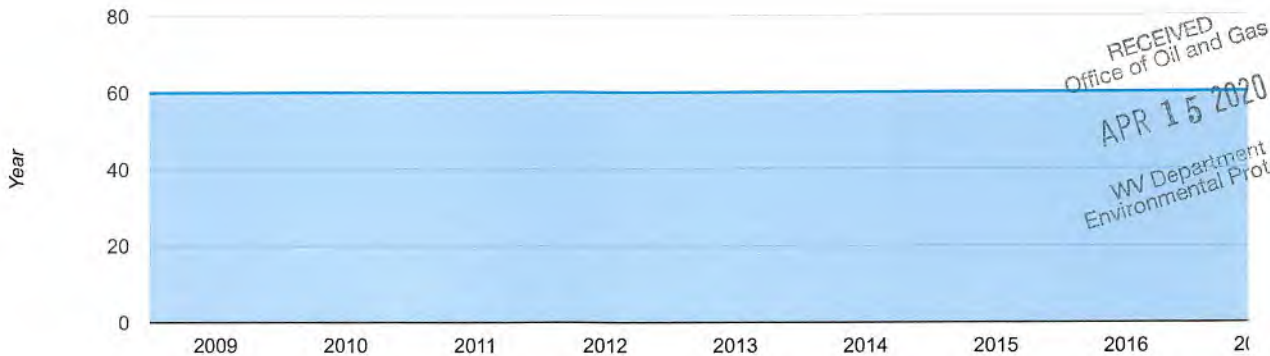
**Note:** The operator listed above is the CURRENT operator of the well. This operator may or may not have recorded production for this well for the years listed below. The production listed below spans the years shown, regardless of the operator who originally recorded a particular year's production numbers.

## Production by Energy Type

### Well Lifetime Gas Production

All amounts expressed in mcfg (thousand cubic feet)

Reporting Operator	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
LUCEY, ABEL L	2019	5	5	5	5	5	5	5	5	5	5	5	5	60
LUCEY, ABEL L	2018	5	5	5	5	5	5	5	5	5	5	5	5	60
LUCEY, ABEL L	2017	5	5	5	5	5	5	5	5	5	5	5	5	60
LUCEY, ABEL L	2016	5	5	5	5	5	5	5	5	5	5	5	5	60
LUCEY, ABEL L	2015	5	5	5	5	5	5	5	5	5	5	5	5	60
LUCEY, ABEL L	2014	5	5	5	5	5	5	5	5	5	5	5	5	60
LUCEY, ABEL L	2013	5	5	5	5	5	5	5	5	5	5	5	5	60
LUCEY, ABEL L	2012	5	5	5	5	5	5	5	5	5	5	5	5	60
LUCEY, ABEL L	2011	5	5	5	5	5	5	5	5	5	5	5	5	60
LUCEY, ABEL L	2010	5	5	5	5	5	5	5	5	5	5	5	5	60
LUCEY, ABEL L	2009	5	5	5	5	5	5	5	5	5	5	5	5	60

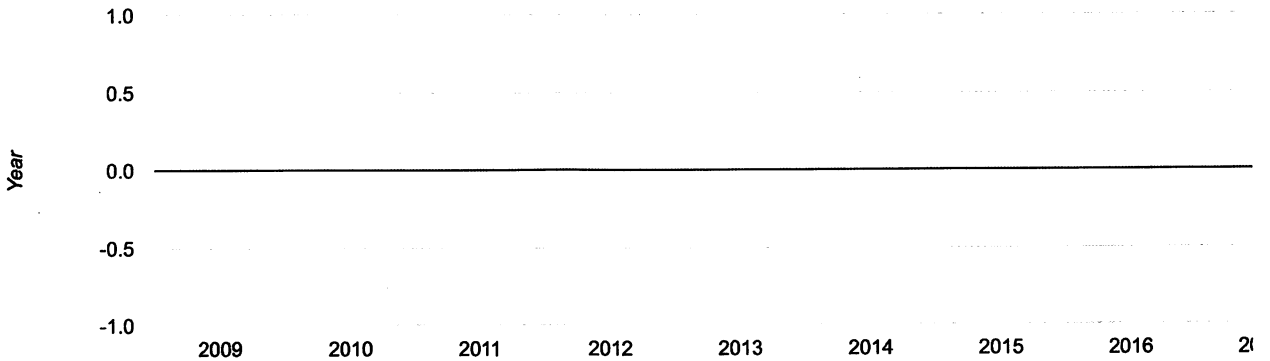


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### Well Lifetime Oil Production

All amounts expressed in barrels

Reporting Operator	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
LUCEY, ABEL L	2019	0	0	0	0	0	0	0	0	0	0	0	0	0
LUCEY, ABEL L	2018	0	0	0	0	0	0	0	0	0	0	0	0	0
LUCEY, ABEL L	2017	0	0	0	0	0	0	0	0	0	0	0	0	0
LUCEY, ABEL L	2016	0	0	0	0	0	0	0	0	0	0	0	0	0
LUCEY, ABEL L	2015	0	0	0	0	0	0	0	0	0	0	0	0	0
LUCEY, ABEL L	2014	0	0	0	0	0	0	0	0	0	0	0	0	0
LUCEY, ABEL L	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
LUCEY, ABEL L	2012	0	0	0	0	0	0	0	0	0	0	0	0	0
LUCEY, ABEL L	2011	0	0	0	0	0	0	0	0	0	0	0	0	0
LUCEY, ABEL L	2010	0	0	0	0	0	0	0	0	0	0	0	0	0
LUCEY, ABEL L	2009	0	0	0	0	0	0	0	0	0	0	0	0	0



### Well Lifetime NGL Production

No Production Reported

The West Virginia Department of Environmental Protection (WVDEP) makes oil and gas well information and production data available to the general public through this internet service free of charge.

The oil and gas related data originate from the information reported to the Office of Oil and Gas at WVDEP by West Virginia oil and gas operators. The WVDEP does not guarantee their accuracy, precision, or completeness.

Neither the West Virginia Department of Environmental Protection nor its staff members are liable or responsible for any damage or loss resulting from the use of these data or from inaccuracies contained in the data.

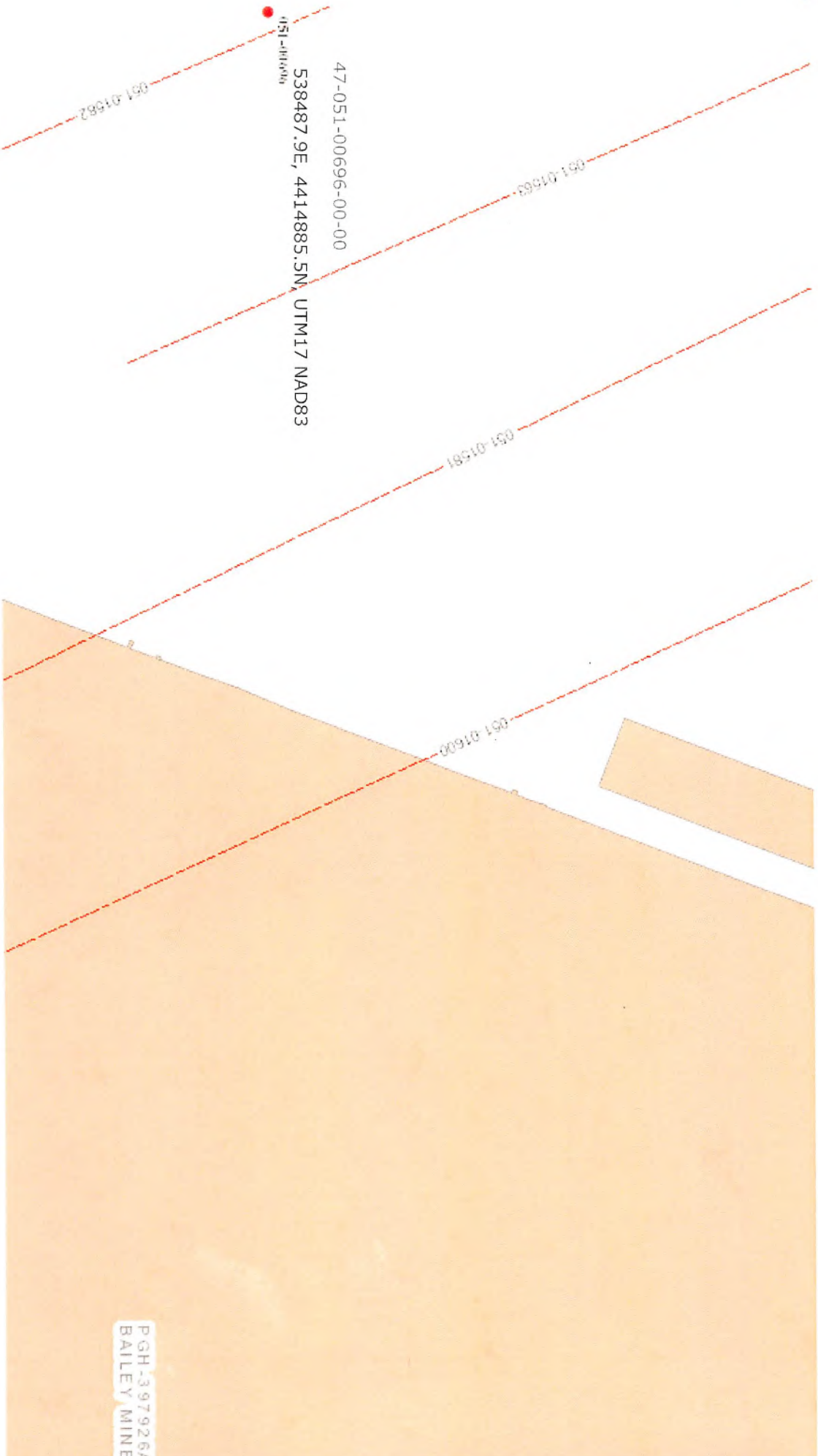
We encourage you to report any problems, inconsistencies, or errors noted in using this data to the Office of Oil and Gas so that we can correct them and provide better service.

Office of Oil and Gas  
Department of Environmental Protection  
601 57th St  
Charleston, West Virginia 25304

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2/3



47-051-00696P





Select County: (051) Marshall

Enter Permit #: 00696

Get Data:

Select datatypes:  (Check All)

Location  Production  Plugging

Owner/Completion  Stratigraphy  Sample

Pay/Show/Water  Logs  Rim Hole Log

- Table Descriptions
- [County Code Translations](#)
  - [Permit Numbering Series](#)
  - [Usage Notes](#)
  - [Contact Information](#)
  - [Disclaimer](#)
  - [WVGES Main](#)
  - [Pipeline-Plus New](#)

WV Geological & Economic Survey: Well: County = 51 Permit = 00696 Report Time: Wednesday, June 10, 2020 10:49:06 AM

Location Information: [View Map](#)

API 4705100696 **47-** COUNTY PERMIT TAX DISTRICT QUAD 75 QUAD 15 LAT\_DD LON\_DD UTIME UTMN

4705100696 **47-** Marshall 696 Cameron Marlorsville Cameron 39.882689 -80.550122 539467.2 4414031.6

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_TRTG	FM_TFM_EST	PR
4705100696	47-		Original Log Completed	Karl Kraton				1	1893	Karl Kraton					Whitman Oil & Gas Corp.

Completion Information:

API	CMP_DT	SPUD_DT	ELEV DATUM	FIELD	DEEPEST_FM	DEEPEST_FMT	INITIAL_CLASS	FINAL_CLASS	TYPE	RIG	CMP_MTHD	TVD	TMD	NEW_FIG	KOD	G_BEF	G_AFT	O_BEF	O_AFT	NGL_BEF	NGL_AFT	P_BEF	TI_BEF	P_AFT	TI_AFT	BH_P_BEF	BH_P_AFT
4705100696	47-	47-	1195 Ground Level				undclassified	undclassified		not available	unknown																

There is no Pay data for this well

Production Gas Information (Volumes in Mcf) \* 2019 data for H6A wells only. Other wells are incomplete at this time.

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_GAS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4705100696	Lucy, Abel L	2009	60	5	5	5	5	5	5	5	5	5	5	5	5

Production Oil Information (Volumes in Bbl) \*\* some operators may have reported NGL under Oil: \* 2019 data for H6A wells only. Other wells are incomplete at this time.

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_OIL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4705100696	Lucy, Abel L	2009	0	0	0	0	0	0	0	0	0	0	0	0	0

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

There is no Stratigraphy data for this well

There is no Wireline (E-Log) data for this well

There is no Plugging data for this well

There is no Sample data for this well

WW-4A  
Revised 6-07

1) Date: March 31, 2020  
2) Operator's Well Number  
5020

3) API Well No.: 47 - 051 - 00696

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

<b>4) Surface Owner(s) to be served:</b>	<b>5) (a) Coal Operator</b>
(a) Name <u>Abel L. Lucey</u>	Name <u>Consol Pennsylvania Coal Co.</u>
Address <u>2140 Poplar Springs Road</u>	Address <u>182 Crabapple Rd.</u>
<u>Cameron, WV 26033</u>	<u>Wind Ridge, PA 15380</u>
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name _____
	Address _____
(c) Name _____	Name _____
Address _____	Address _____
<b>6) Inspector</b> <u>James Nicholson</u>	(c) Coal Lessee with Declaration
Address <u>P.O. Box 44</u>	Name _____
<u>Moundsville, WV 26041</u>	Address _____
Telephone <u>304-552-3847</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.

Commonwealth of Pennsylvania - Notary Seal  
 Scott Whipkey, Notary Public  
 Greene County  
 My commission expires September 23, 2022  
 Commission number 1285876  
 Member, Pennsylvania Association of Notaries

Well Operator Leatherwood LLC  
 By: Matthew Ruckle  
 Its: Project Engineer  
 Address 1000 CONSOL Energy Drive  
Canonsburg, PA 15317  
 Telephone 724-663-7165

Subscribed and sworn before me this 1st day of April, 2020  
Scott Whipkey Notary Public  
 My Commission Expires 9/23/2022

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 APR 15 2020

**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](mailto:depprivacyofficer@wv.gov).

WV Department of  
 Environmental Protection



**SURFACE OWNER WAIVER**

Operator's Well  
Number

5020

**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 57<sup>th</sup> St. SE  
Charleston, WV 25304  
(304) 926-0450

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WV Department of  
Environmental Protection

**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.

MGL Date 2/18/20  
Signature

FOR EXECUTION BY A CORPORATION,

LEATHERWOOD/LLC  
ANTHONY M. DREZEWSKI  
VICE PRESIDENT Date 3/23/2020

Signature

Date

WW-4B

API No. 47-051-00696 P  
Farm Name Karl Krafton  
Well No. 5020

**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 X / owner X / 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: March 31, 2020

Consol PA Coal Co  
By: Matth Rlle  
Its Project Engineer

WW-9  
(5/16)

API Number 47 - 051 - 00696  
Operator's Well No. 5020

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

Operator Name Consol PA Coal Company OP Code \_\_\_\_\_

Watershed (HUC 10) Williams Run Quadrangle Majorsville WW-PA 7.5

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

Will a pit be used? Yes  No

If so, please describe anticipated pit waste: \_\_\_\_\_

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

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GFP)
- Underground Injection ( UIC Permit Number \_\_\_\_\_ )
- Reuse (at API Number \_\_\_\_\_ )
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain Tanks will be used, See attached)

Will closed loop system be used? If so, describe: Yes, Gel circulated from tank through well bore and returned to tank

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

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

Additives to be used in drilling medium? Bentonite, Bicarbonate of Soda

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Shaker cuttings hauled off site

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

-Landfill or offsite name/permit number? PA DEP Permit #30020701

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 Matthew Ruckle

Company Official (Typed Name) Matthew Ruckle

Company Official Title Project Engineer

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Subscribed and sworn before me this 1st day of April, 2020

Scott Whipkey Notary Public

WV Department of Environmental Protection

My commission expires 9/23/2022

Commonwealth of Pennsylvania - Notary Seal  
Scott Whipkey, Notary Public  
Greene County  
My commission expires September 23, 2022  
Commission number 1285876  
Member, Pennsylvania Association of Notaries



**CONSOL Energy – CNX COAL  
PENNSYLVANIA OPERATIONS**  
1000 CONSOL Energy Drive  
Canonsburg, PA

phone: 724/663-7165  
fax: 724/663-7159  
e-mail: [Matthewruckle@consolenergy.com](mailto:Matthewruckle@consolenergy.com)

**Matthew Ruckle**  
Project Engineer

April 1, 2020

Department of Environmental Protection  
Office of Oil and Gas  
601 57<sup>th</sup> Street  
Cahrlleston, WV 25304

To Whom It May Concern:

As per the Division of Environmental Projection, Office of Oil and Gas request, Leatherwood LLC submits the following procedures utilizing pit waste.

Upon submitting a well work application (without a general permit for Oil and Gas Pit Waste Discharge Application) Leatherwood LLC **will construct no pits**, but instead will use mud tanks to contain all drilling muds.

Once the well is completed, the material will be trucked to the PA DEP facility number CMAP 30020701.

If you have any questions regrading this matter, please contact me at 724-663-7165.

Sincerely,

A handwritten signature in blue ink that reads "Matthew Ruckle".

Matthew Ruckle  
Project Engineer  
CONSOL Pennsylvania Coal Company LLC/Leatherwood LLC

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Form WW-9

Operator's Well No. 5020

Proposed Revegetation Treatment: Acres Disturbed 2 Prevegetation pH \_\_\_\_\_

Lime 3 Tons/acre or to correct to pH 6.0

Fertilizer type 10-20-20 or equivalent

Fertilizer amount 500 lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

**Temporary**

**Permanent**

Seed Type lbs/acre

Seed Type lbs/acre

Seed mix in accordance with WVDEP oil  
and gas Erosion and Sedimentation Control  
Field Manual

Seed mix in accordance with WVDEP 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: *Jim Nicholas*

Comments: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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WV Department of  
Environmental Protection

Title: Oil & Gas Inspector Date: 4/7/2020

Field Reviewed? ( 2 ) Yes ( ) No

N/A

WW-9- GPP  
Rev. 5/16

Page 1 of 2  
API Number 47 - 051 - 00696  
Operator's Well No. 5020

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

Operator Name: Consol PA Coal Company  
Watershed (HUC 10): Williams Run Quad: Majorsville WV-PA 7.5  
Farm Name: Karl Krafton

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

[Empty response box for question 1]

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

[Empty response box for question 2]

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

[Empty response box for question 3]

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WV Department of  
Environmental Protection

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

[Empty response box for question 4]

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

N/A

WW-9- GPP  
Rev. 5/16

Page 2 of 2  
API Number 47 - 051 - 00696  
Operator's Well No. 5020

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

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

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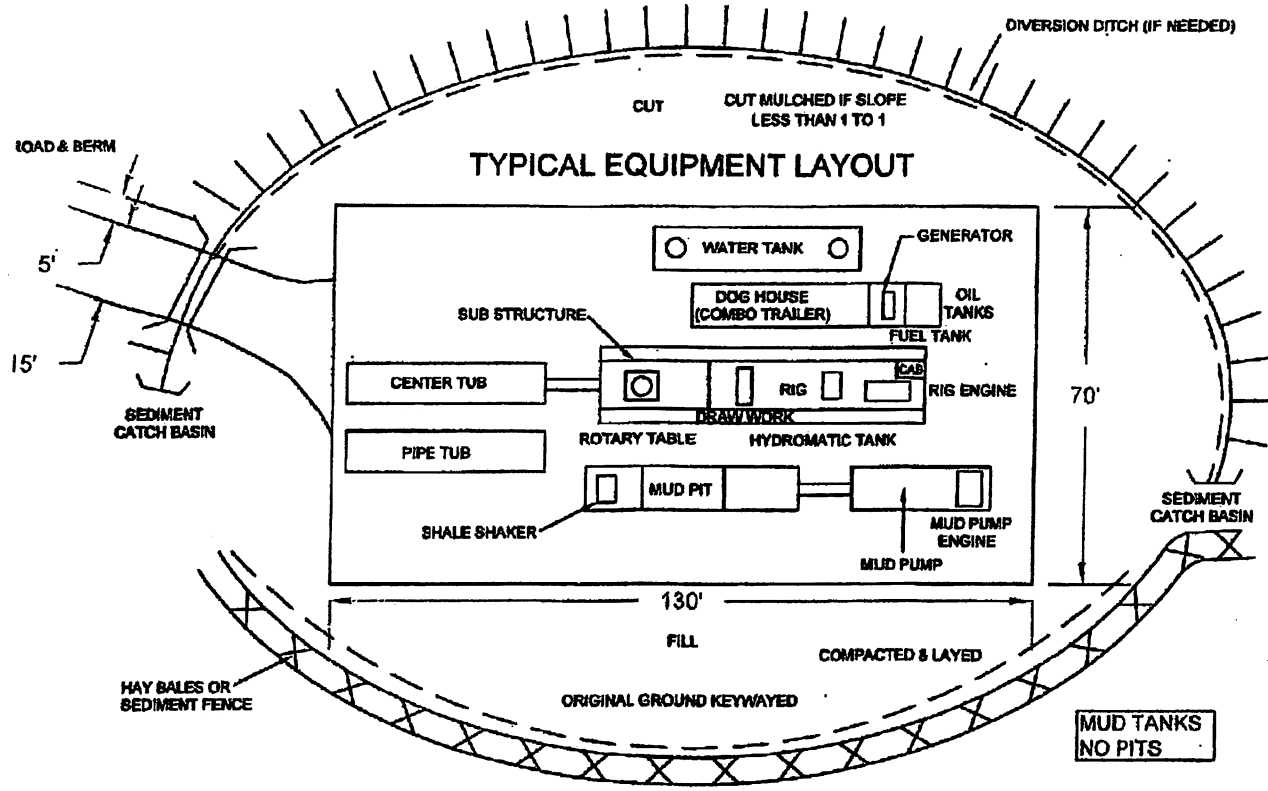
WV Department of  
Environmental Protection

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

Signature: Matthew Rllh

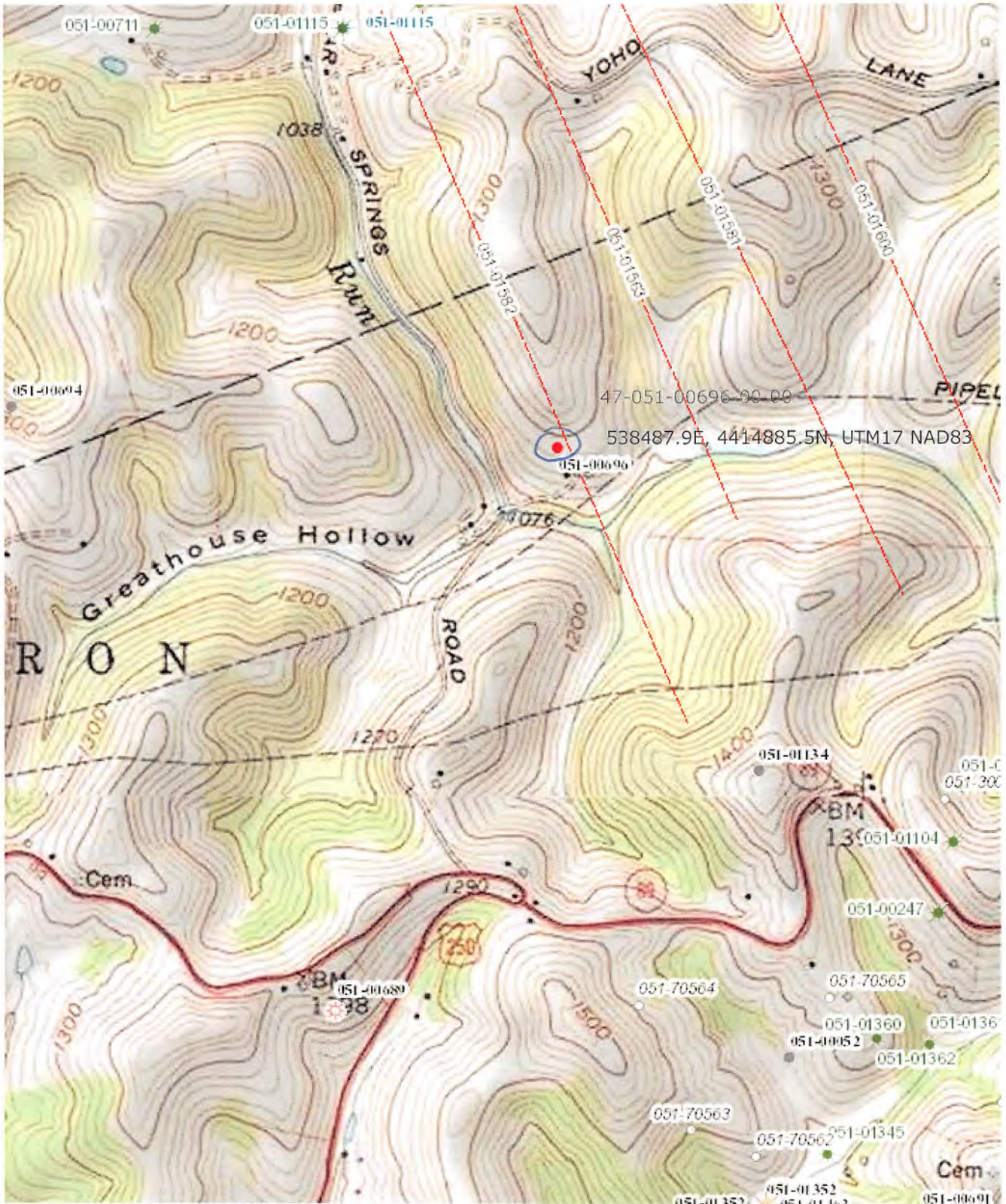
Date: 3-31-2020

TYPICAL DRAWING OF  
WELL PLUGGING  
SITE PLAN



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APR 15 2020  
WV Department of  
Environmental Protection





WW-7  
8-30-06



West Virginia Department of Environmental Protection  
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-051-00696 WELL NO.: 5020

FARM NAME: Karl Krafton

RESPONSIBLE PARTY NAME: Leatherwood LLC

COUNTY: Marshall DISTRICT: Webster

QUADRANGLE: Majorsville WV-PA 7.5

SURFACE OWNER: Abel Lucey

ROYALTY OWNER: Abel Lucey

UTM GPS NORTHING: 4414885.50

UTM GPS EASTING: 538487.90 GPS ELEVATION: 1191.21

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:

- Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
- Accuracy to Datum – 3.05 meters
- Data Collection Method:

Survey grade GPS  : Post Processed Differential \_\_\_\_\_  
Real-Time Differential

Mapping Grade GPS \_\_\_\_\_ : Post Processed Differential \_\_\_\_\_  
Real-Time Differential \_\_\_\_\_

- 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.

Matthew R. L...  
Signature

Project Engineer  
Title

3/31/2020  
Date

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Office of Oil and Gas  
APR 15 2020  
WV Department of  
Environmental Protection