



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, January 25, 2022
WELL WORK PLUGGING PERMIT
Vertical Plugging

CENTURY MINING, LLC
7004 BUCKHANNON RD.
VOLGA, WV 26238

Re: Permit approval for A-705
47-001-00923-00-00

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.

A blue ink signature of James A. Martin.

James A. Martin
Chief

Operator's Well Number: A-705
Farm Name: WARD, C. C.
U.S. WELL NUMBER: 47-001-00923-00-00
Vertical Plugging
Date Issued: 1/25/2022

I

4700100923^F

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.

01/28/2022

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 ___ / Shallow ___

5) Location: Elevation 1598.45 Watershed Wash Run of Big Run
District Union County Barbour Quadrangle Century

6) Well Operator Century Mining, LLC 7) Designated Agent Gary Miles
Address 7004 Buckhannon Road Address 7004 Buckhannon Road
Volga, WV 26238 Volga, WV 26238

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Samuel D. Ward Name CJ's Well Service, Inc.
Address P.O. Box 2327 Address P.O. Box 133
Buckhannon, WV 26201 Rowe, VA 24646

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

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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 *S D Ward* Date 1/14/2022

01/28/2022

4700100923

- 10) Work Order: The work order for the manner of plugging this well is as follows:
- Move to site, Mix Mud, Bleed of Pressure, if necessary, Bullhead Kill Well
 - The well record does not list any tubing in the well. However, if 3" tubing is in the well release packer and remove 3" tubing.
 - Clean out well bore to original total depth ~4,640 feet.
 - Run cement bond log, caliper, and gamma logs to determine depth of casing and cement bond to the 4-1/2" casing.
 - Cut casing and remove any free 4-1/2" casing.
 - Set a bottom hole cement plug as required by the WV DEP from TD (~4,640' TO 3,950')
 - If necessary, clean out well bore to tag bottom of hole plug to insure plug location.
 - Gel (6%) will be placed from bottom hole plug to ~2,150'
 - Cement hole from ~ 2,150' to 1,900'
 - Gel (6%) will be placed from bottom hole plug to ~1,300'
 - Run cement bond log, caliper, and gamma logs to determine depth of casing and cement bond to the 8-5/8" casing.
 - Cut and remove any free 8-5/8" casing.
 - Cement hole from ~1,300' to 100' with expandable cement.
 - If necessary, cut and pull free casing as determined by cement bond log on 11-3/4" casing.
 - Cement hole from ~100' to surface per WV DEP Regulations with expandable cement.
 - Rig down and set monument as required by WV DEP.

In the event that the pipe is unable to be removed, the inspector will be notified prior to cementing or perforating.

All cement plugs will be Class A cement with no more than 3% CaCl₂. All spacers will be 6% gel (if spacers are used).

Cement plugs will cover all oil and gas shows, water shows and casing cuts per WV Code Chapter 22 Article 6.

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1/14/2022

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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

WELL RECORD

Rotary Oil _____
Cable _____ Gas
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind) _____

Quadrangle PHILIPPI
Permit No. BAR-923

Company Allegheny Land & Mineral Co.
Address Box 1740, Clarksburg, WV 26301
Farm C. C. Ward Acres 420
Location (waters) Gnatty Creek
Well No. A-705 Elev. 1578'
District Union County Barbour
The surface of tract is owned in fee by Bethlehem
Mines Corporation, Holiday Plaza,
Address Bridgeport, WV
Mineral rights are owned by Calma K. Harper, et
1101 VanBuren Ave., Clarksburg, WV
Drilling Commenced February 10, 1978
Drilling Completed February 15, 1978
Initial open flow _____ cu. ft. _____ bbls.
Final production _____ cu. ft. per day _____ bbls.
Well open _____ hrs. before test _____ RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. <u>2001-3/4'</u>	<u>40'</u>	<u>40'</u>	Cement to surf.
<u>9 5/8</u>			" " "
<u>8 5/8</u>	<u>917'</u>	<u>917'</u>	" " "
<u>7</u>			
<u>5 1/2</u>			
<u>4 1/2</u>	<u>4541'</u>	<u>4541'</u>	" " 3741'
<u>3</u>			
<u>2</u>			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Well was fractured by Dowell - February 21, 1978
Final test: Open flow -.641 MCF
Rock Pressure - 1360# - 14 days

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Coal was encountered at 75-80' & 580-84' Feet _____ Inches _____
Fresh water @ 80' Feet _____ Salt Water @ 2015' Feet _____
Producing Sand Riley & Banson Depth 4152-62' & 4442-52'

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Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Fill dirt			0	35		
Sand & Shale			35	75		
Coal *****			75	80		Coal *****
Sand & Shale			80	580		Water - 1 1/2" stream @ 80'
Coal *****			580	584		Coal *****
Sand & Shale			584	1706		
Big Lime			1706	1774		
Injun Sand			1774	1810		
Sand & Shale			1810	1998		
Gantz Sand			1998	2028		S. Water - 1 1/2" stream @ 2015'
Sand & Shale			2028	2594		
5th Sand			2594	2614		
Sand & Shale			2614	4152		
Riley Sand			4152	4162		
Sand & Shale			4162	4442		
Benson Sand			4442	4452		
Sand & Shale			4452	4640		
		total depth		4640	(Driller)	

SPW
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PERFORATIONS:

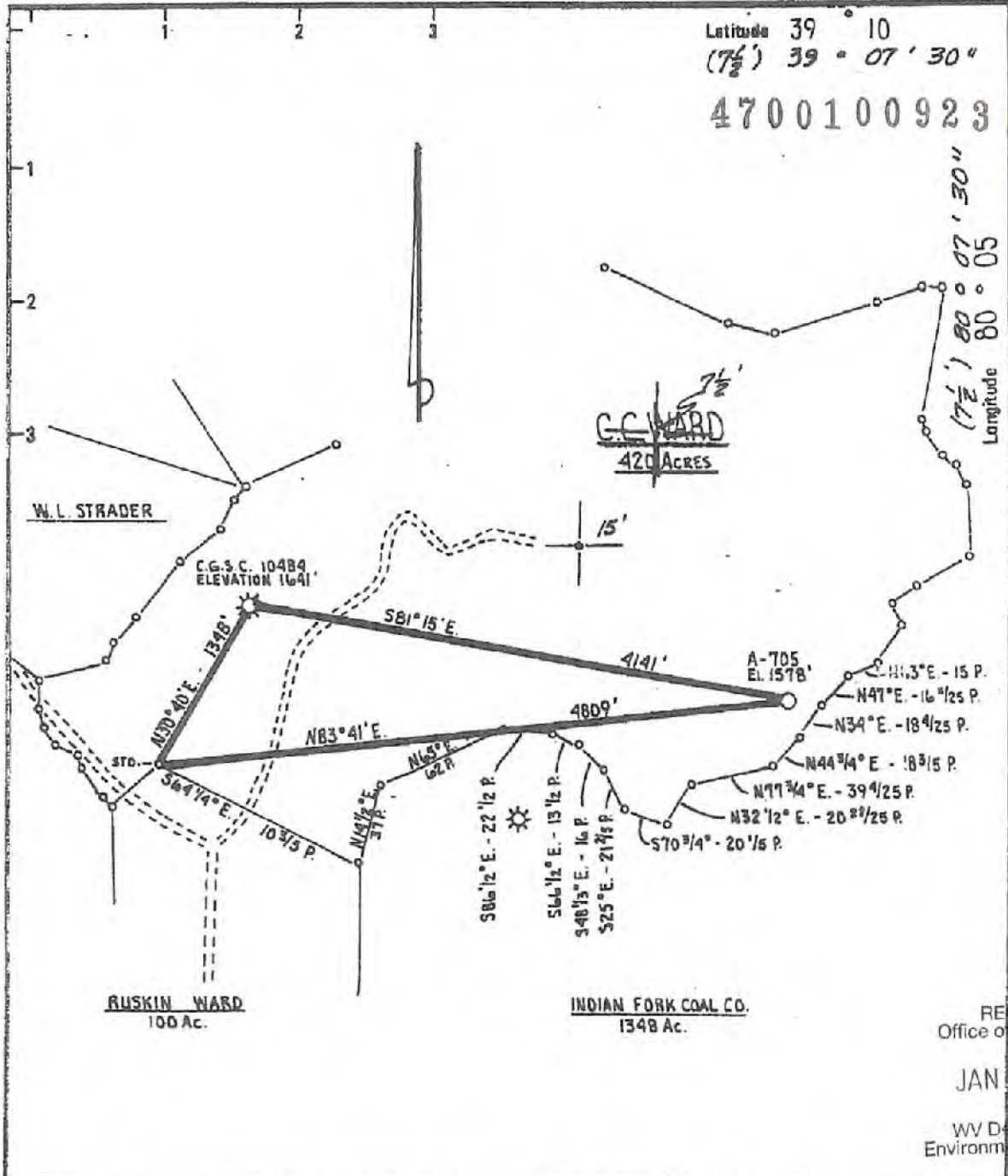
4146 - 4151' - 10 shots
4432 - 4439' - 14 "
Correlation Log not on depth
with Density Log.

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(over)

* Indicates Electric Log tops in the remarks section.

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REVISED LOCATION <input checked="" type="checkbox"/> New Location <input type="checkbox"/> Drill Deeper <input type="checkbox"/> Abandonment <input type="checkbox"/>	Minimum Error of Closure <u>ONE PART IN 200</u> Source of Elevation <u>C.G.S.C. WELL # 10484 ELEVATION 1641'</u> "I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."
--	--

Company	ALLEGHENY LAND & MINERAL COMPANY
Address	CLARKSBURG, WEST VIRGINIA 26301
Farm	C.C. WARD, BETHLEHEM MINES
Tract	Acres 420 Lease No. 59142
Well (Farm) No.	Serial No. A-705
Elevation (Spirit Level)	1578'
Quadrangle	PHILIPPI, CENTURY 7 1/2
County	BARBOUR District UNION
Engineer	Donald L. Hines
Engineer's Registration No.	530 L.L.S.
File No.	156 Drawing No. B-653
Date	JAN 24 th 1978 Scale 1" = 1000'

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

WELL LOCATION MAP
FILE NO. BAR-923-REV

† 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 space on border line of original tracing.

47-001

01/28/2022

WW-4A
Revised 6-07

1) Date: January 13, 2022
2) Operator's Well Number
A-705
3) API Well No.: 47 - 001 - 00923

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>NORTH CENTRAL RESOURCES, LLC</u>	Name <u>CENTURY MINING, LLC.</u>
Address <u>7004 Buckhannon Road</u>	Address <u>7004 Buckhannon Road</u>
<u>VOLGA, WV 26238</u>	<u>Volga, WV 26238</u>
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>NORTH CENTRAL RESOURCES, LLC</u>
	Address <u>7004 Buckhannon Road</u>
	<u>Volga, WV 26238</u>
(c) Name _____	Name _____
Address _____	Address _____
6) Inspector <u>Samuel D. Ward</u>	(c) Coal Lessee with Declaration
Address <u>P.O. Box 2327</u>	Name _____
<u>Buckhannon, WV 26201</u>	Address _____
Telephone <u>304-389-7583</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 CENTURY MINING, LLC.
 By: GARY MILES *Gary Miles*
 Its: CHIEF ENGINEER
 Address 7004 Buckhannon Road
Volga, WV 26238
 Telephone 304-809-1167



Subscribed and sworn before me this 13th day of January 2022
Matthew Bealko Notary Public
 My Commission Expires May 19, 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.

01/28/2022

SURFACE OWNER WAIVER

4700100923P

Operator's Well
Number

A - 705

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

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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,

Signature

Date

Name

By

Its

NORTH CENTRAL RESOURCES, LLC

Steve Stroupe
Secretary/Treasurer

Steve Stroupe
Signature

01/28/2022
Date

API No. 47-001-00923 P
 Farm Name C.C. Ward
 Well No. A - 705

**INSTRUCTIONS TO COAL OPERATORS
 OWNERS AND LESSEE**

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

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

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

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WAIVER

The undersigned coal operator X / owner _____ / lessee X / of the coal under this well location has examined this proposed plugging work order. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: 1/13/2022

Steven Stroupe
 By: Steven Stroupe
 Its Secretary/Treasurer - Century Mining, LLC

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

Operator Name Century Mining, LLC OP Code _____

Watershed (HUC 10) Wash Run Quadrangle Century

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: Drill cuttings.

Will a synthetic liner be used in the pit? Yes No If so, what ml.? 20

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- Underground Injection (UIC Permit Number _____)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain Sump with line. No discharge. Will haul excess off site. See attached note for site.)

SDW
11/14/22

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

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

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

Additives to be used in drilling medium? N/A

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Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Buried on site.

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

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-Landfill or offsite name/permit number? N/A

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

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

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

Company Official Signature _____
Company Official (Typed Name) Gary Miles
Company Official Title Chief Engineer

Subscribed and sworn before me this 15th day of January, 20 22

[Signature]

Notary Public

My commission expires May 19, 2024





January 13, 2022

WV Department of Environmental Protection
Office of Oil & Gas
601 57th Street, SE
Charleston, WV 25304-2345

Re: Pit Waste Disposal for Plugging and Abandon Well API 47-001-00923

Dear Sir:

Century Mining, LLC is submitting the following procedure for pit waste.

After approval of the completed WW-48b Application for a Permit to Plug and Abandon the Well API 47-001-00923. Century Mining, LLC will construct a pit with a 20 ml liner. All materials will be stored in the pit. Any excess fluids will be removed from the pit and taken to the DEP approved refuse facilities O-2013-12 for disposal.

If you should have any additional question or need any additional information, please feel free to contact me at your convenience at (304)809-1167.

Respectfully,

A handwritten signature in black ink that reads 'Gary W. Miles'.

Gary W. Miles
Chief Engineer
Century Mining, LLC

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Proposed Revegetation Treatment: Acres Disturbed 1 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
See Attached	100

Seed Type	lbs/acre
See Attached	100

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: [Signature]

Comments: _____

Title: OGG Inspector Date: 1/14/2022

Field Reviewed? () Yes () No

4700100923P

Gas Well
API 47-001-00923
Well No. A-705

Approximate Pit Location
10'x20'x8' deep
LAT:39.1092°
LON:80.1422°

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EXHIBIT B

Plugging and Abandonment
Well 47-001-00923 (A-705)
Approximate Pit Location

DATE: 1-14-2022	PROJ NO:
DWN BY:	TECH: CHK BY: DWG NAME: EXHIBIT
FIELD BOOK:	SCALE: AS SHOWN DRAWING SIZE: 11" x 10"
CONTOUR INTERVAL: N/A	SHEET: 1 OF 1

01/28/2022

MR-4 SMA
North Central Resources, LLC
Attachment O-9

O-9. PROVIDE A PLANTING PLAN WHICH INCLUDES THE FOLLOWING:

- A. A PREDICTION OF THE MINESOIL CHARACTER BASED ON OVERBURDEN ANALYSIS, SOIL ANALYSIS, AND OTHER AVAILABLE INFORMATION;

A site-specific test of the soils to be used for reclamation will be performed. These tests will be used to determine the amount of lime and fertilizer to be added prior to seeding.

- B. PROPOSED TREATMENT TO NEUTRALIZE ACIDITY;

Soil shall be treated with ground limestone or an equivalent amendment to maintain a pH of 6.0. Liming requirements will be determined by approved testing of soil conducted during or just prior to regrading.

- C. METHOD OF MECHANICAL SEED BED PREPARATION;

A minimum of 6 inches of topsoil material will be spread over the regrade area to provide a suitable base for vegetation. Where and when possible, as promoted by the FRA, the surface soil layer will be four feet deep and only lightly graded. Ability to achieve this FRA surface soil layer depth will be determined by the steepness of the slopes and available material. Heavily compacted areas such as road beds shall be ripped or disked prior to revegetation in order to create a loose growth medium.

- D. APPLICATION RATES AND ANALYSIS OF FERTILIZATION;

Fertilizer shall be at the rate of 600 pounds per acre of 10-20-10 or as required by the results of approved soil testing prior to hydroseeding. Higher levels of application will be applied if specified by post mining soils test analyses. As suggested by the FRA, lower nitrogen fertilizers will be utilized, as this should discourage over growth of ground cover while allowing for optimal tree growth.

- E. APPLICATION RATES AND TYPES OF MULCH;

Mulch will be applied at a rate of 1,000 lbs/acre of wood fiber or wood cellulose. If shredded bark is used, it will be applied at a rate of 50 cy/acre. Straw or hay will be used at 1½ - 2 tons/acre.

F. APPLICATION RATES AND SPECIES OF PERENNIAL VEGETATION INCLUDING THE HERBACEOUS AND WOODY PLANTS;

<u>Seed Mixture</u>	<u>Permanent Vegetation</u>	
	<u>Rate^a</u>	<u>Seeding time(s)^b</u>
Winter Wheat	15 lbs/acre	Sept – Nov
Foxtail Millet	5 lbs/acre	March 1 – June 15
Redtop	2 lbs/acre	March 1 – June 15
Perennial Ryegrass	2 lbs/acre	March 1 – June 15
Orchardgrass	5 lbs/acre	March 1 – June 15
Weeping Lovegrass	2 lbs/acre	March 1 – June 15
Kobe Lespedeza	5 lbs/acre	March 1 – June 15
Birdsfoot trefoil	10 lbs/acre	March 1 – June 15
White Clover	3 lbs/acre	March 1 – June 15

^aSeeding rate suggested is for Pure Live Seed (PLS) in pounds/acre.

^bFall and winter seeding mixtures should vary as shown.

^cHerbaceous legumes must be treated with the appropriate bacterium before seeding.

G. AREAS TO BE PLANTED OR SEEDED TO TREES AND SHRUBS;

All areas shall be revegetated to hayland/pasture.

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H. A MAINTENANCE SCHEDULE AND PROCEDURES; AND

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During the active life of the mining operation and after final planting has occurred, the areas which were seeded, will be inspected prior to the spring and fall planting seasons. Any areas, which have not met the revegetation success standards, as required by the West Virginia Department of Environmental Protection, shall be reseeded. Reseeding application rates and species shall be the same as those specified herein. A temporary vegetative cover shall be established as contemporaneously as possible with backfilling and grading until a permanent vegetative cover can be established. At a minimum, a temporary or permanent vegetative cover shall be established by the end of the first growing season and a permanent vegetative cover shall be established after the areas have been regraded for final reclamation.

I. A PLAN FOR TEMPORARY VEGETATION COVER TO INCLUDE THE FOLLOWING:

- SPECIES
- SEEDING RATE; AND
- TIMING.

A temporary vegetative cover shall be established as soon as possible in coordination with backfilling and regrading until such a time that permanent vegetative cover shall be established

and will serve as a form of erosion control. At a minimum, a temporary vegetative cover shall be established by the end of the first growing season and a permanent cover shall be established after associated structures have been removed and the areas have been regraded for final reclamation. The following mixtures, rates and seeding times are outlined below:

<u>Seed Mixture</u>	<u>Temporary Vegetation</u>	
	<u>Rate^a</u>	<u>Seeding time(s)^b</u>
Winter Wheat	15 lbs/acre	Sept – Nov
Foxtail Millet	5 lbs/acre	March 1 – June 15
Redtop	2 lbs/acre	March 1 – June 15
Perennial Ryegrass	2 lbs/acre	March 1 – June 15
Orchardgrass	5 lbs/acre	March 1 – June 15
Weeping Lovegrass	2 lbs/acre	March 1 – June 15
Kobe Lespedeza	5 lbs/acre	March 1 – June 15
Birdsfoot trefoil	10 lbs/acre	March 1 – June 15
White Clover	3 lbs/acre	March 1 – June 15

^aSeeding rate suggested is for Pure Live Seed (PLS) in pounds/acre.

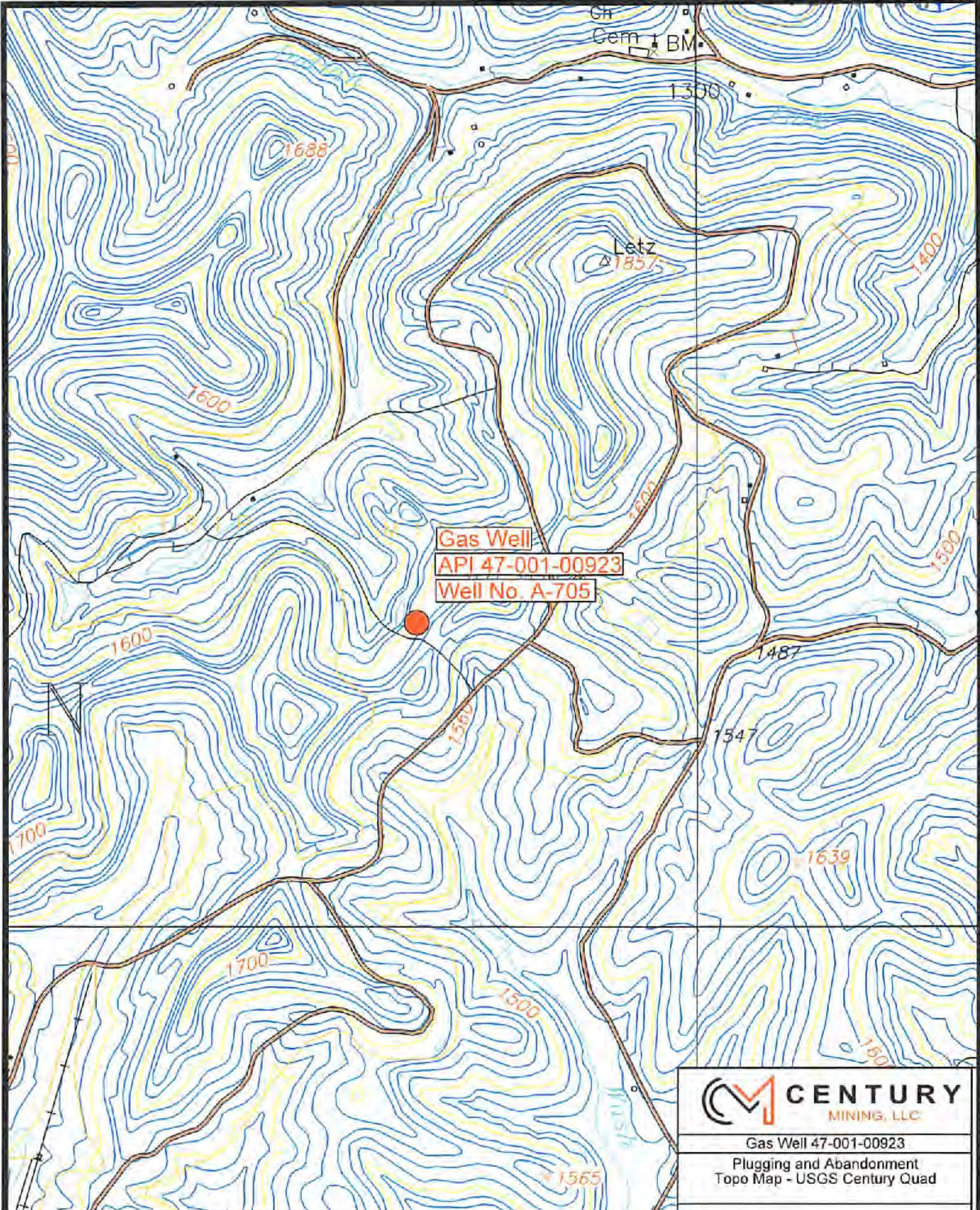
^bFall and winter seeding mixtures should vary as shown.

^cHerbaceous legumes must be treated with the appropriate bacterium before seeding.

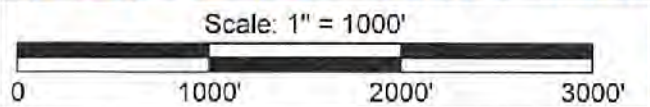
RECEIVED
 Office of Surface Water Gas

JAN 19 2022

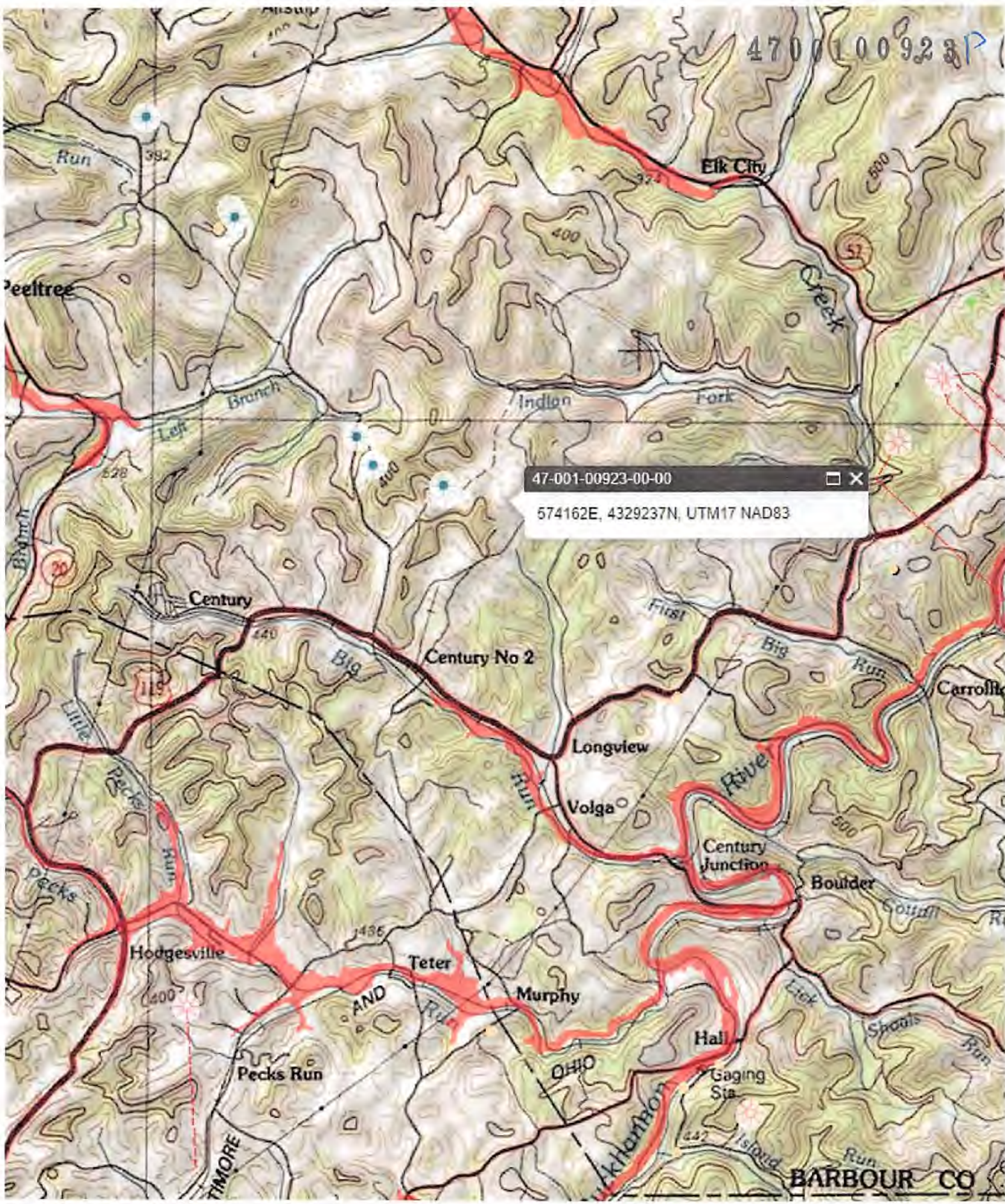
MD Department of
 Environmental Protection



Gas Well
 API 47-001-00923
 Well No. A-705



 CENTURY MINING, LLC	
Gas Well 47-001-00923 Plugging and Abandonment Topo Map - USGS Century Quad	
DATE: 1-13-2022	PROJ NO:
DWN BY: TECH:	CHK BY: DWS NAME:
FIELD BOOK:	DATE: 01/28/2022
CONTOUR INTERVAL: N/A	SHEET: 1 OF 1



01/28/2022



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

API: 47-001-00923 WELL NO.: A - 705

FARM NAME: C.C. Ward

RESPONSIBLE PARTY NAME: Gary W. Miles

COUNTY: Barbour DISTRICT: Union

QUADRANGLE: Century

SURFACE OWNER: North Central Resources, LLC

ROYALTY OWNER: North Central Resources, LLC

UTM GPS NORTHING: 4329237.322

UTM GPS EASTING: 574162.192 GPS ELEVATION: 487.21 Meters
1,598.45 Feet

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

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

Survey grade GPS : Post Processed Differential _____
Real-Time Differential

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

4. Letter size copy of the topography map showing the well location.

I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

Gary W. Miles
Signature

Chief Eng.
Title

1/13/22
Date

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Office of Oil and Gas

JAN 19 2022

West Virginia Department of Environmental Protection



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Office of Oil and Gas

JAN 19 2022

WV Department of
Environmental Protection

January 13, 2022

WV Department of Environmental Protection
Office of Oil & Gas
601 57th Street, SE
Charleston, WV 25304-2345

Re: Permit to Plug and Abandon Well API 47-001-00923

Dear Sir:

Please find attached for your review a completed WW-48b Application for a Permit to Plug and Abandon the Well API 47-001-00923. This well is located near Wash Run of Big Run near Volga, WV in Barbour County as shown on the attached location map.

If you should have any additional question or need any additional information, please feel free to contact me at your convenience at (304)809-1167.

Respectfully,

A handwritten signature in blue ink that reads 'Gary W. Miles'.

Gary W. Miles
Chief Engineer
Century Mining, LLC

4700100923P

From: [Jesse Farley III](#)
To: JEFFREY.W.MCLAUGHLIN@WV.GOV
Cc: [Gary Miles](#)
Subject: Plugging Permit for 47-001-00923
Date: Friday, January 14, 2022 8:30:00 AM

Jeff,

I'll be sending you a plugging permit for well 47-001-00923. I'm not going to include the 101-C with this packet, because this well is in an area where there's no reserve and near our plant. So there's no plans to mine through this well.

Please let me know if you have any questions.

Thanks,

Jesse

Office: (304) 457-7009

Cell: (304) 542-4829

Century Mining LLC
7004 Buckhannon Road
Volga, WV 26238

RECEIVED
Office of Oil and Gas

JAN 19 2022

WV Department of
Environmental Protection

01/28/2022



Stansberry, Wade A <wade.a.stansberry@wv.gov>

Plugging Vertical Well Work Permits API: (47-001-00923)

1 message

Stansberry, Wade A <wade.a.stansberry@wv.gov>

Tue, Jan 25, 2022 at 8:50 AM

To: Gary Miles <gmiles@centuryminingllc.com>, Derick Spencer <spencer@assessor.state.wv.us>, "Ward, Samuel D" <samuel.d.ward@wv.gov>

I have attached a copy of the newly issued well [permit](#) numbers:

47-001-00923 - A -705

These will serve as your copy.

Thank you,

Wade A. Stansberry

Environmental Resource Specialist 3

West Virginia Department of Environmental Protection

Office of Oil & Gas

601 57th St. SE

Charleston, WV 25304


(304) 926-0499 ext. 41115

(304) 926-0452 fax

Wade.A.Stansberry@wv.gov

2 attachments

 **IR-8 Blank.pdf**
212K

 **47-001-00923 - Copy.pdf**
1661K

01/28/2022