



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

Monday, September 25, 2023
WELL WORK PLUGGING PERMIT
Vertical Plugging

PILLAR ENERGY, LLC
1244 MARTINS BRANCH RD

CHARLESTON, WV 25312

Re: Permit approval for 5390
47-061-00437-00-00

This well work permit is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to any additional specific conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas Inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. Please be advised that form WR-38, Affidavit of Plugging and Filling Well, is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

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

James A. Martin
Chief

A blue ink signature of James A. Martin, Chief, is written over a circular stamp. The signature is cursive and appears to read 'James A. Martin'. The stamp is partially obscured by the signature.

Operator's Well Number:
Farm Name: CLORIS
U.S. WELL NUMBER: 47-061-00437-00-00
Vertical Plugging
Date Issued: 9/25/2023

Promoting a healthy environment.

09/29/2023

PERMIT CONDITIONS

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

CONDITIONS

1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.
4. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing.

1) Date July 31, 2023
2) Operator's
Well No. EC Clovis (5390)
3) API Well No. 47-991 - 00437

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

- 4) Well Type: Oil ___ / Gas **X** ___ / Liquid injection ___ / Waste disposal ___ /
(If "Gas, Production ___ or Underground storage ___) Deep ___ / Shallow ___
- 5) Location: Elevation 1174 Watershed Dunkard
District Battelle County Monongalia Quadrangle Hundred
- 6) Well Operator Pillar Energy LLC 7) Designated Agent Jeff Isner
Address 1244 Martins Branch Rd Address 1244 Martins Branch Rd
Charleston, WV 25312 Charleston, WV 25312
- 8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Gayne Knitowski Name TBD
Address _____ Address _____

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

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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 Gayne Knitowski Date 8-29-2023

09/29/2023

E.C. Clovis 1 (5390)
API# 47-061-00437
Elevation: 1174' GL
Latitude/Longitude: 39.698989 / -80.381934

E.C. Clovis 1 (5390) Well Data (Drilled 01/1929)

Casing: 10" Surface Csg @ 933' GL – Possibly pulled after setting intermediate csg
8-1/4" Intermediate Csg @ 1385' GL – Possibly pulled after setting prod. csg
6-5/8" Production Csg @ 2147' GL
3" Production Tbg @ 3180' on anchor packer @ 2962.

TD: 3180'

Latch Down: N/A

Perforations: Open Hole F/ 2147' – T/ 3180'

Coal: 520, 824, 920'

Fresh Water Shows: N/A

Salt Water Shows: 830', 1830'

Gas/Oil Shows: 2214', 2364', 2877', 2995', & 3156'

E.C. Clovis 1 (5390) Procedure:

1. Notify State Inspector, Gayne Knitowski – (304)-546-8171 – Gayne.J.Knitowski@wv.gov
24 hours prior to commencing operations.
2. Prep E.C. Clovis 1 location.
3. MIRU service rig, steel plts, and other ancillary equipment.
4. Blow well down, and TOOH w/ 3" tbg.
5. RIH w/ work string to ~2250'
6. Pump 30 BBI 6% gel.
7. Set 200' cement plug F/ 2250' T/ 2050'. (Csg shoe @ 2147').
8. TOOH to 1000', WOC 8 hrs, RIH & tag plug, add cement if needed.
9. 6-5/8" & 8-1/4" Casings (if present) will be ripped and removed from well bore where free.
The following cement plugs set will be set, with the order depending on where casing is free and able to be removed. 6% gel will be spotted between each plug.
 - a. 100' plug across from location of ripped 6-5/8" casing.
 - b. 100' plug F/ 1900' – T/ 1800'. Csg ripped or perforated at ~1850' if csg is still present.
 - c. 100' plug across from location of ripped 8-1/4" casing.
 - d. 200' elevation plug F/ 1250' – T/ 1050' (Elevation @ 1174'). Csg ripped or perforated at ~1200' if csg is still present.
 - e. 250' coal plug F/ 1000' – T/ 750'. Csg ripped or perforated at 950' & 850' if csg is still present.
10. Attempt to POOH w/ 10" csg if present. The following cement plugs set will be set, with the order depending on where casing is free and able to be removed. 6% gel will be spotted between each plug.
 - a. 100' coal plug F/ 470' – T/ 570' Csg ripped or perforated at 530' if csg is still present.
 - b. 100' across from location of ripped casing/shoe.
 - c. 100' plug F/ 100' – T/ surface'. Csg ripped or perforated at 100' if csg is still present.
11. Erect a monument to WV DEP specifications (CSR 35-4-5.5 – sub "b").
12. Reclaim location and roads to WV DEP Specifications.

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Environmental Protection

Gayne
Knitowski

Digitally signed by
Gayne Knitowski
Date: 2023.08.29
14:21:46 -04'00'

09/29/2023

WW-4A
Revised 6-07

1) Date: 7/31/2023
2) Operator's Well Number
EC Clovis (5390)

3) API Well No.: 47 - 061 - 00437

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>Consol Mining Company LLC</u>	Name <u>Consol Mining Company LLC</u>
Address <u>275 Technology Drive Suite 101</u>	Address <u>275 Technology Drive Suite 101</u>
<u>Canonsburg, PA 15317</u>	<u>275 Technology Drive Suite 101</u>
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name _____
	Address <u>RECEIVED</u>
	<u>Office of Oil and Gas</u>
(c) Name _____	Name <u>SEP 01 2023</u>
Address _____	Address _____
	<u>WV Department of</u>
6) Inspector <u>Gayne Knitowski</u>	(c) Coal Lessee with Declaration <u>Environmental Protection</u>
Address _____	Name _____
	Address _____
Telephone <u>304-546-8171</u>	

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

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

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

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

	Well Operator	<u>Pillar Energy LLC</u>	
	By	<u>Jeff Isner</u>	
	Its	<u>President & CEO</u>	
	Address	<u>1244 Martins Branch Rd</u>	
	Telephone	<u>Charleston, WV 25312</u>	<u>681-205-8599</u>

Subscribed and sworn before me this 7 day of August 2023
Anita E. Kirk Notary Public
My Commission Expires June 9, 2024

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.

09/29/2023

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:
 Concol Mining Company LLC
 275 Technology Dr Site 101
 Canonsburg PA 15317



2. Article Number (Transfer from service label)
 7021 0950 0000 9774 9590

PS Form 3811, July 2020 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent
 Addressee

B. Received by (Printed Name) Agent
 C. Date of Delivery
 Linda Tyman 8-14-23

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

3. Service Type
- Adult Signature
 - Adult Signature Restricted Delivery
 - Certified Mail®
 - Certified Mail Restricted Delivery
 - Collect on Delivery
 - Collect on Delivery Restricted Delivery
 - Priority Mail Express®
 - Registered Mail™
 - Registered Mail Restricted Delivery
 - Signature Confirmation™
 - Signature Confirmation Restricted Delivery

Domestic Return Receipt

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 WV Department of
 Environmental Protection

09/29/2023

WW-9
(5/16)

API Number 47 - 061 - 00437
Operator's Well No. EC Class 5390

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

Operator Name Pillar Energy LLC OP Code _____

Watershed (HUC 10) Dunkard Quadrangle Hundred

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-GPP)
- Underground Injection (UIC Permit Number _____)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain _____)

Will closed loop system be used? If so, describe: _____

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

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

Additives to be used in drilling medium? _____

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

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

-Landfill or offsite name/permit number? _____

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

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

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

Company Official Signature [Signature]
Company Official (Typed Name) Jeff Isner
Company Official Title President & CEO



OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
Anita E. Kirk
783 Stringers Branch Road
Peytona, WV 25154
My Commission Expires June 9, 2024

Subscribed and sworn before me this 7 day of August, 2023

[Signature] Notary Public

My commission expires June 9, 2024

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Proposed Revegetation Treatment: Acres Disturbed 1/2 Prevegetation pH _____

Lime according to pH test Tons/acre or to correct to pH 7.0

Fertilizer type 10-20-20

Fertilizer amount 500 lbs/acre

Mulch Hay or Straw Tons/acre

Seed Mixtures

Temporary

Permanent

Seed Type lbs/acre

Seed Type lbs/acre

Contractors Mix

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: Gayne Knitowski Digitally signed by Gayne Knitowski Date: 2023.08.29 14:27:14 EDT

Comments: _____

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Title: Inspector Date: 8-29-2023

Field Reviewed? Yes No

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

Operator Name: Pillar Energy LLC
Watershed (HUC 10): Dunkard Quad: Hundred
Farm Name: _____

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

Plugging of shallow well. All residual fluids will be captured in portable flowback tanks for proper disposal.

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

Plugging of shallow well. All residual fluids will be captured in portable flowback tanks for proper disposal.

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

Camp Run - 2100'

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

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

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.

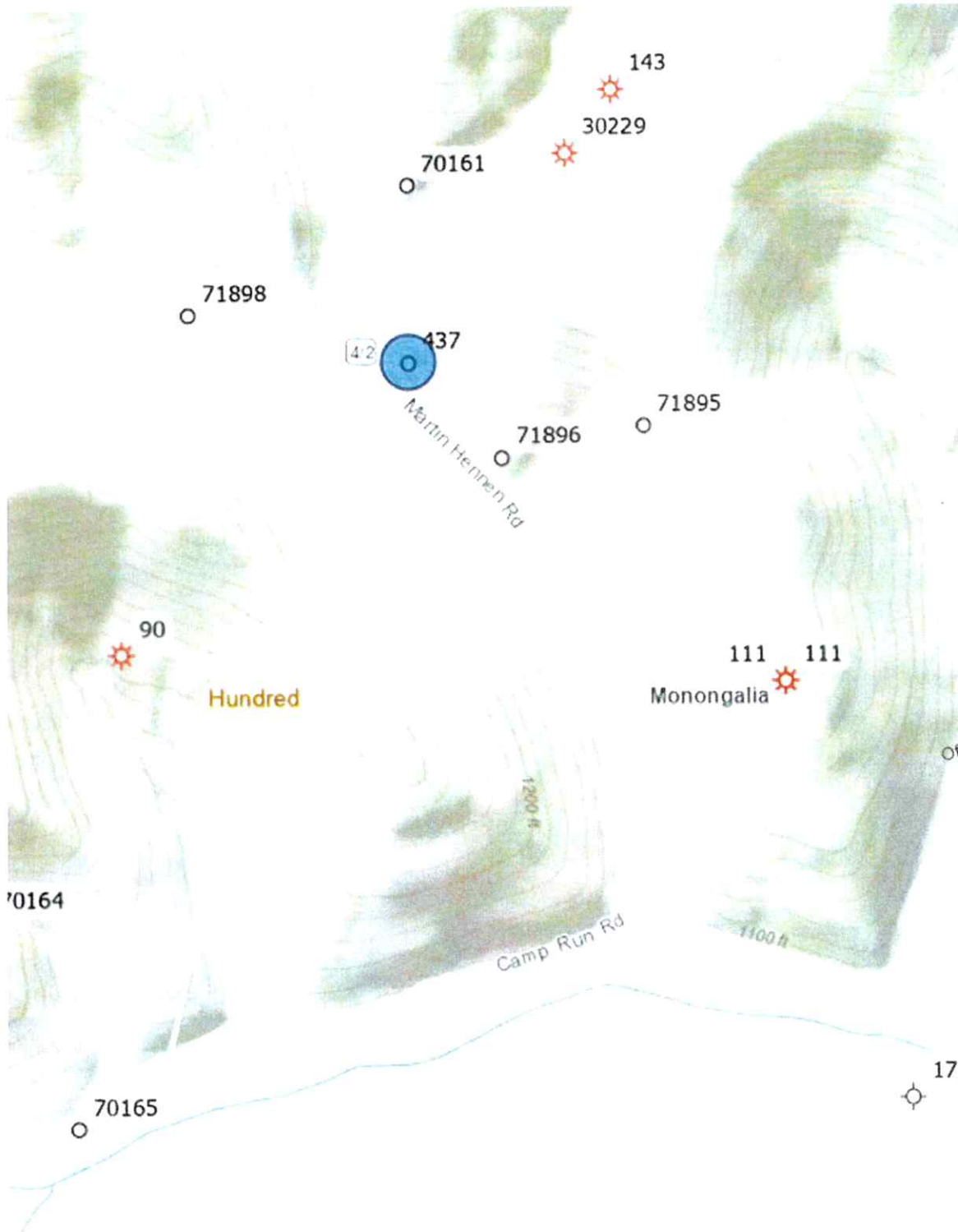
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8. Provide provisions and frequency for inspections of all GPP elements and equipment.

Signature: _____

Date: _____

E.C. Clovis (5390) LOCATION MAP



09/29/2023

WW-7
8-30-06



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

API: 47-061-00437 WELL NO.: EC Clovis (5390)

FARM NAME: EC Clovis

RESPONSIBLE PARTY NAME: _____

COUNTY: Monongalia DISTRICT: Battelle

QUADRANGLE: Hundred

SURFACE OWNER: Consol Mining Company LLC

ROYALTY OWNER: Consol Mining Company LLC

UTM GPS NORTHING: 4394530.50

UTM GPS EASTING: 552989.30 GPS ELEVATION: 1174'

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

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

Survey grade GPS ____ : Post Processed Differential ____

Real-Time Differential ____

Mapping Grade GPS ____ : Post Processed Differential ____

Real-Time Differential ____

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

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

[Signature]
Signature

CEO
Title

8.7.23
Date

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09/29/2023

WW-4B

API No. 47-061-00437

Farm Name _____

Well No. EC Clovis (5390)

**INSTRUCTIONS TO COAL OPERATORS
OWNERS AND LESSEE**

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

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

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

WAIVER

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

Date: _____

By: _____

Its _____

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SURFACE OWNER WAIVER

Operator's Well
Number

EC Clovis (5390)

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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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.

FOR EXECUTION BY A CORPORATION,

_____	Date _____	Name _____
Signature		By _____
		Its _____
		Date _____

Signature

Date

09/29/2023



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

plugging permits issued 470610017 06100437

1 message

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

Mon, Sep 25, 2023 at 1:59 PM

To: jeff.isner@pillarenergy.com, Gayne J Knitowski <gayne.j.knitowski@wv.gov>, mmusick@assessor.org


To whom it may concern, plugging permits have been issued for 470610017 06100437.

James Kennedy

WVDEP OOG

2 attachments

 **4706100437.pdf**
1081K

 **4706100017.pdf**
1779K

09/29/2023