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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

Harold D. Ward, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Tuesday, May 3, 2022

WELL WORK PLUGGING PERMIT  
Vertical Plugging

PILLAR ENERGY, LLC  
1244 MARTINS BRANCH RD  
CHARLESTON, WV 25312

Re: Permit approval for A-2  
47-039-01839-00-00

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: A-2  
Farm Name: BLUE CREEK GAS CO.  
U.S. WELL NUMBER: 47-039-01839-00-00  
Vertical Plugging  
Date Issued: 5/3/2022

Promoting a healthy environment.

05/06/2022

## 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

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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.

1) Date March 01, 2022  
2) Operator's  
Well No. Blue Creek A-2  
3) API Well No. 47-039 - 01839

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 1103' Watershed Elk  
District \_\_\_ County Kanawha Quadrangle Quick

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 Terry Urban Name To be determined  
Address PO Box 1207 Address \_\_\_\_\_  
Clendenin, WV 25045  
304.549-8916

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

*See Changes  
on Prog Page*

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

Work order approved by inspector *[Signature]* Date 3-17-22

Blue Creek A-2  
 API# 47-039-01839  
 Elevation: 1103' GL  
 Latitude/Longitude: 38.350646, -81.407922

Blue Creek A-2 Well Data (Drilled 03/1962)

Casing: 10-3/4" Conductor Csg @ 29' GL  
 8-5/8" Surface Csg @ 412' GL  
~~7" Production Csg @ 1355' GL~~ - Pulled out of hole after setting 4-1/2"  
 4-1/2" Production Csg @ 1910' GL  
 TD: 1984'  
 Perforations: F/ 1869' - T/ 1870'  
 Coal: 58-60', 165-168', and 344-347'  
 Fresh Water Shows: 60', and 222'  
 Salt Water Shows: 575, 975', 1028', and 1293'  
 Gas/Oil Shows: 950', and 1700'

Cover with Cement

Blue Creek A-2 Procedure:

1. Notify State Inspector, Terry Urban - (304)-549-5915 - [Terry.W.Urban@wv.gov](mailto:Terry.W.Urban@wv.gov) 24 hours prior to commencing operations.
2. Prep Blue Creek A-2 location.
3. MIRU service rig, steel pits, and other ancillary equipment.
4. RIH w/ work string to 1850'. - 1870 bottom part go below will
5. Pump 5 BBL 6% gel.
6. Set 200' cement plug F/ 1850' T/ 1650'. (Csg shoe @ 1910').
7. TOOH to 1000', WOC 8 hrs, RIH & tag plug, add cement if needed.
8. Circulate 6% gel from TOC to surface.
9. 4-1/2" Casing 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 F/ 1300' - T/ 1200'. Csg ripped or perforated at 1300' if 4-1/2" csg is still present.
  - b. 200' plug F/ 1050' - T/ 850'. Csg ripped or perforated at 1050' if 4-1/2" csg is still present.
  - c. 100' plug F/ 600' - T/ 500'. Csg ripped or perforated at 600' if 4-1/2" csg is still present.
10. Attempt to POOH w/ 8-5/8" csg.
11. 8-5/8" casing 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. 150' plug F/ 475' - T/ 350' (Casing shoe @ 412').
  - b. 200' plug F/ 200' - T/ surface'
12. Erect a monument to WV DEP specifications (CSR 35-4-5.5 - sub "b").
13. Reclaim location and roads to WV DEP Specifications.

OPERATOR will go to TD & pump gel then cover perf with Cement

1103 - Elevation

Operator to cover with Cement All Oil & Gas Formation including Salt, Coal, Freshwater

3-17-22



4703901839P

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

Quadrangle Glendenin-S.W.

Permit No. EAN-1839

WELL RECORD

Oil or Gas Well Gas  
(KIND)

*Turned In Level 5/18/62*

Company BLUE CREEK GAS COMPANY  
Address P. O. Box 6357, Charleston, W. Va.  
Farm Blue Creek Coal & Land Co. Acres 2389

Location (waters) \_\_\_\_\_  
Well No. 1-A Elev. 1103  
District Elk County Kanawha

The surface of tract is owned in fee by Union Carbide Chemical Co. Address So. Charleston W. Va.

Mineral rights are owned by same Address \_\_\_\_\_

Drilling commenced March 15, 1962  
Drilling completed April 12, 1962  
Date Shot \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
With \_\_\_\_\_

Open Flow \_\_\_\_\_ /10ths Water in \_\_\_\_\_ Inch  
\_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch

Volume 100,000 Cu. Ft.

Rock Pressure \_\_\_\_\_ lbs. hrs.

Oil \_\_\_\_\_ bbls., 1st 24 hrs.

WELL ACIDIZED \_\_\_\_\_

WELL FRACTURED April 16, 1962 by Dowell

RESULT AFTER TREATMENT 1,800 MCF

ROCK PRESSURE AFTER TREATMENT 485% = 48 hrs.

Fresh Water \_\_\_\_\_ Feet Salt Water \_\_\_\_\_ Feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13			
10	29'	29'	Size of
8 1/4	412'	412'	
6 5/8 7"	1,355	- -	Depth set
5 3/16 4 1/2"	1,910	1,910	
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED 4 1/2" SIZE 1910 No. Ft. 4-13-62  
30 sacks cement by Dowell

COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INC  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INC  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INC

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Surface	Yellow	Soft	0	10			
Sand	Gray	Soft	10	58			
Coal	Black	Soft	58	60	Water		
Sand	Gray	Soft	60	80			
Slate & Shale	Black	Med	80	140			
Sand	Gray	Med	140	165			
Coal	Black	Soft	165	168			
Slate	Blue	Soft	168	186			
Sand	Gray	Med	186	200			
Slate	Dark	Soft	200	225	Water	222	3 bph
Sand	Gray	Soft	225	300			
Lime	Dark	Med	300	330			
Sand	Gray	Med	330	344			
Coal	Black	Soft	344	347			

05/06/2022

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Maxon Sand	Gray	Hard	1465	1490			
Line	Light	Med	1490	1527			
Slate & Shells			1527	1542			
Little Line	Black	Hard	1542	1582			
Slate	Dark	Soft	1582	1608			
Pencil Slate	Dark	Soft	1608	1619			
Big Line	Gray	Hard	1619	1765	Gas	1700	
Injun Sand	Gray	Med	1765	1783			
Injun Sand	Red	Med	1783	1815			
Gritty Line	Gray	Hard	1815	1845			
Weir Sand	Gray	Med	1845	1885			
Slate & Shells	Dark	Med	1885	1950			
Broken Sand	Gray	Med	1950	1978			
Slate	Dark	Soft	1978	1984			
Total Depth				1984			



4703901839P

WW-4A  
Revised 6-07

1) Date: 3/1/2022  
2) Operator's Well Number  
Blue Creek A-2

3) API Well No.: 47 - 039 - 01839

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: (a) Name Blue Eagle Land, Address 13 Kanawha Blvd W. Ste 200, Charleston, WV 25302. (b) Name, Address. (c) Name, Address. 5) (a) Coal Operator Name, Address. (b) Coal Owner(s) with Declaration Name, Address. (c) Coal Lessee with Declaration Name, Address. 6) Inspector Terry Urban, Address PO Box 1207, Clendenin, WV 25045, Telephone 304-549-5915.

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 Pillar Energy LLC
By: Jeff Isnar
Its: President & CEO
Address 1244 Martins Branch Rd.
Charleston, WV 25312
Telephone 681-205-8599

RECEIVED
Office of Oil and Gas

MAR 21 2022
RECEIVED
Office of Oil and Gas
WV Department of Environmental Protection
MAR 12 2022

Subscribed and sworn before me this 12th day of March, 2022

My Commission Expires 11/10/25



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.

05/06/2022

4703901839P

**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:  
 Blue Eagle Land  
 13 Kanawha Blvd W. Ste 200  
 Charleston, WV 25302



9590 9402 5478 9249 3406 70

2. Article Number (Transfer from service label)  
 7020 1810 0001 0462 5139

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature  
 X *Kelli Hannah*  Agent  Addressee

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

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

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

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

Domestic Return Receipt

05/06/2022

mailed 3/7/22

4703901839P

PILLAR ENERGY  
1244 Martins Branch Road  
Charleston WV 25312

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

For delivery information, visit our website at [www.usps.com](http://www.usps.com)

Certified Mail Fee  
\$ 3.15

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

Return Receipt (hardcopy) \$ 3.15

Return Receipt (electronic) \$

Certified Mail Restricted Delivery \$

Adult Signature Required \$

Adult Signature Restricted Delivery \$

Postmark  
Here

Postage  
\$ 1.56

Total Postage and Fees  
\$ 4.66

Sent To  
Blue Eagle Land  
Street and Apt. No.: 13 Kanawha Blvd W Ste 200  
City, State, ZIP+4®  
Charleston WV 25302

PS Form 3800, April 2015 PSN 7530-02-000-9000 See Back for Instructions



LET5 2940 T000 019T 020L  
LET5 2940 T000 019T 020L

**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:  
Blue Eagle Land  
13 Kanawha Blvd W Ste 200  
Charleston, WV 25302

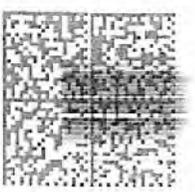
Blue Eagle Land  
13 Kanawha Blvd W Ste 200  
Charleston, WV  
25302

**COMPLETE THIS SECTION ON DELIVERY**

- A. Signature  
 Agent  
 Addressee
- B. Received by (Printed Name) \_\_\_\_\_
- C. Date of Delivery \_\_\_\_\_
- D. Is delivery address different from item 1?  Yes  
If YES, enter delivery address below:  No

**3. Service Type**

- Adult Signature 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  
 Return Receipt for Merchandise  
 Signature Confirmation™  
 Signature Confirmation Restricted Delivery



Mailed From  
03/07/2022  
032A 00518

05/06/2022

**SURFACE OWNER WAIVER**

Operator's Well  
Number

Blue Creek A-2

**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

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

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

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

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

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

**VOLUNTARY STATEMENT OF NO OBJECTION**

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

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

FOR EXECUTION BY A NATURAL PERSON  
ETC.

FOR EXECUTION BY A CORPORATION  
RECEIVED  
Office of Oil and Gas

**MAR 21 2022**

\_\_\_\_\_  
Signature  
Date \_\_\_\_\_  
Name \_\_\_\_\_  
By \_\_\_\_\_  
Its \_\_\_\_\_

\_\_\_\_\_  
Signature  
Date \_\_\_\_\_  
WV Department of  
Environmental Protection

Signature \_\_\_\_\_  
Date **05/06/2022**

WW-4B

API No. 47-039-01839 P  
Farm Name \_\_\_\_\_  
Well No. Blue Creek A-2

**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 \_\_\_\_\_

4703901839P

WW-9  
(5/16)

API Number 47 - 039 - 01839  
Operator's Well No. \_\_\_\_\_

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) Elk Quadrangle Quick

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  AW

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 No pit to be built, Any well effluent will be contained in tanks and properly disposed offsite)

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. At discretion of contractor.

-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 Jeff Isner

Company Official (Typed Name) Jeff Isner

Company Official Title President and CEO

Subscribed and sworn before me this 2<sup>nd</sup> day of March, 2022

Karen Gray Jones Notary Public

My commission expires 11/20/2025



05/06/2022

Form WW-9

Operator's Well No. \_\_\_\_\_

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 2 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
<b>Contractors Mix</b>			
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

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: Inspect Wetlands Date: 3-17-22

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): Elk Quad: Quick

Farm Name: Blue Creek Coal & Land

- 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.

Closest Water Body: Pidgeonroost Fork - 675' +

- 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.

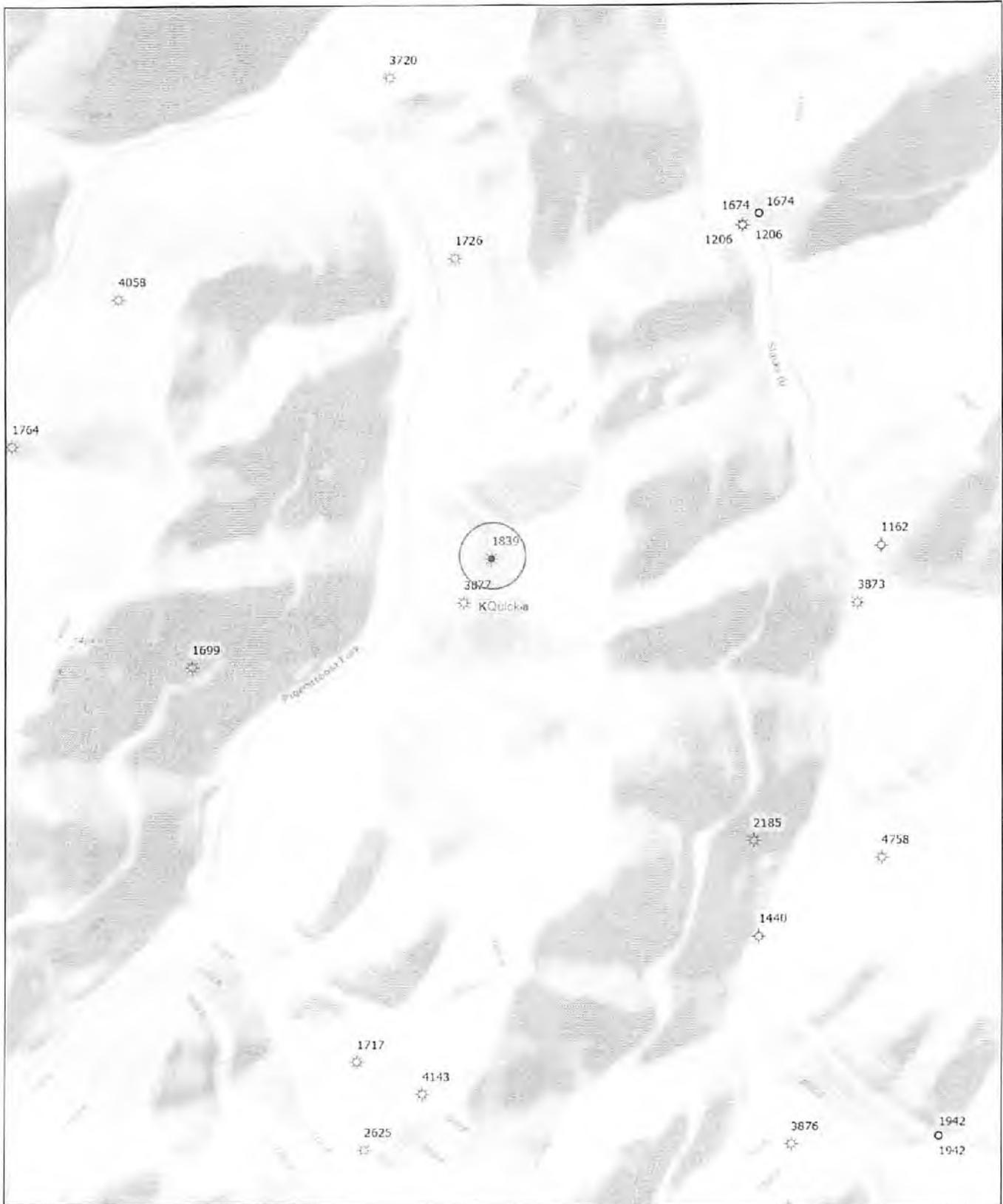
6. Provide a statement that no waste material will be used for deicing or fill material on the property.

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.

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

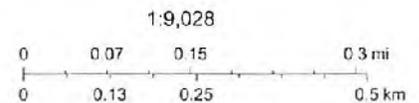
Signature: \_\_\_\_\_

Date: \_\_\_\_\_



3/1/2022, 12:37:37 PM

- |                           |                                     |
|---------------------------|-------------------------------------|
| Labels (7.5' Quadrangles) | County Labels                       |
| 7.5' Quadrangles          | WV Oil and Gas All Individual Wells |
| State Boundary            | Gas                                 |
| Counties                  | Dry                                 |
|                           | Other (including permits)           |



West Virginia Geological and Economic Survey (WVGES), VITA,  
 West Virginia GIS, Esri, HERE, Garmin, GeoTechnologies, Inc.,  
 Intermap, USGS, METI/NASA, EPA, USDA

05/06/2022

4703901839 P

WW-7  
8-30-06



West Virginia Department of Environmental Protection  
Office of Oil and Gas

**WELL LOCATION FORM: GPS**

API: 47-039-01839 WELL NO.: Blue Creek A-2

FARM NAME: Blue Creek Coal & Land

RESPONSIBLE PARTY NAME: \_\_\_\_\_

COUNTY: Kanawha DISTRICT: ELK

QUADRANGLE: Quick

SURFACE OWNER: Blue Eagle Land

ROYALTY OWNER: 13 Kanawha Blvd W. Ste 200 Charleston, WV 25302

UTM GPS NORTHING: 4244799

UTM GPS EASTING: 464357 GPS ELEVATION: 1103'

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 \_\_\_\_

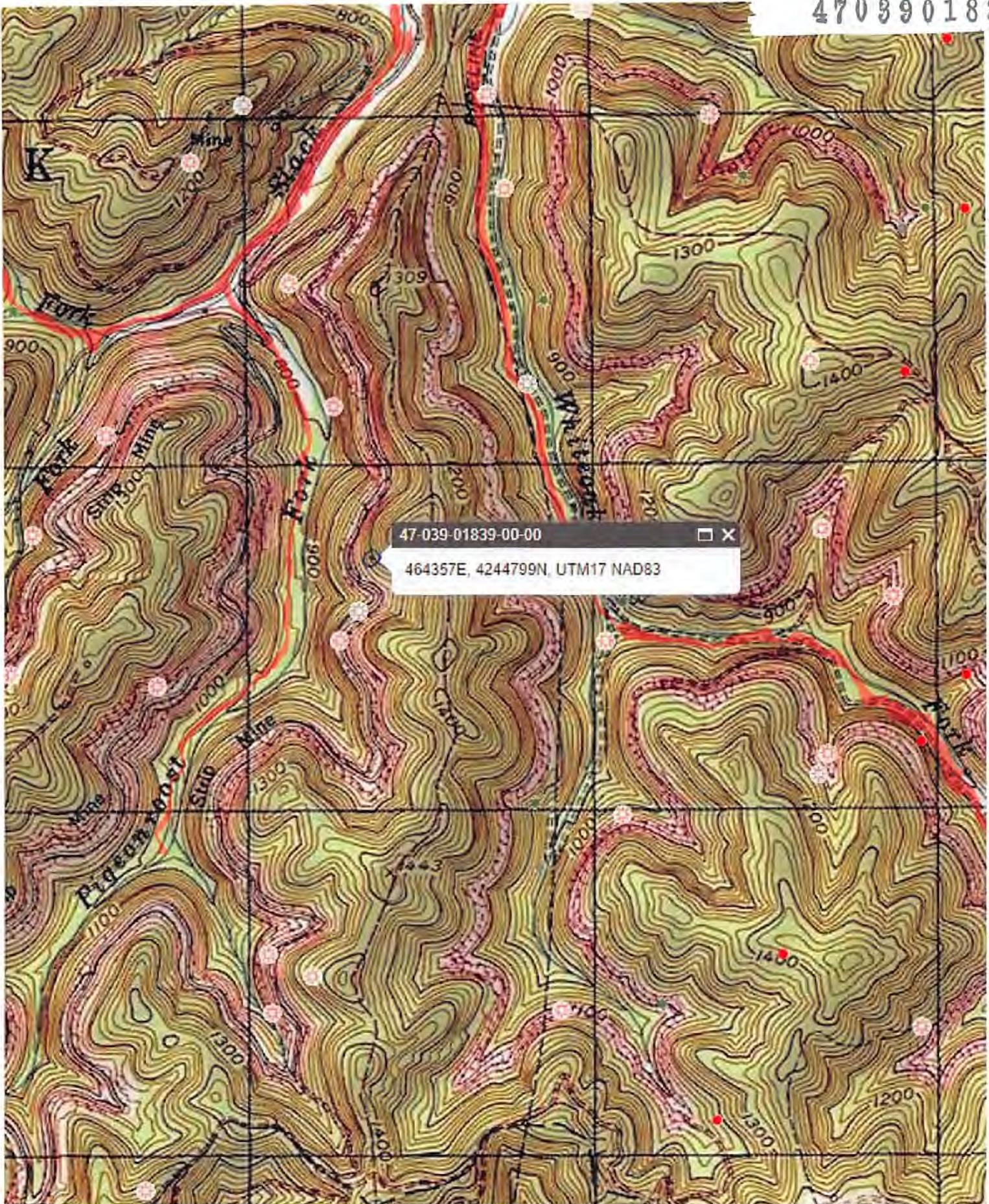
4. **Letter size copy of the topography map showing the well location.**

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

3-2-22  
Date





Stansberry, Wade A &lt;wade.a.stansberry@wv.gov&gt;

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**Plugging Vertical Well Work Permit (API: 47-039-01839 & 47-039-01887)**

1 message

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

Tue, May 3, 2022 at 9:38 AM

To: "Mast, Jeff" &lt;jmast@dgoc.com&gt;, Sallie Robinson &lt;sallierobinson@kanawha.us&gt;, "Urban, Terry W" &lt;terry.w.urban@wv.gov&gt;, Phyllis Copley &lt;pcopley@dgoc.com&gt;

I have attached a copy of the newly issued well [permit](#) number. This will serve as your copy.

**47-039-01839 - A-2****47-039-01887 - 18 S 113**

If you have any questions, then [please](#) contact us here at the Office of Oil and Gas.

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](mailto:Wade.A.Stansberry@wv.gov)**

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**3 attachments** **IR-8 Blank.pdf**  
233K **47-039-01887 - Copy.pdf**  
876K **47-039-01839 - Copy.pdf**  
1369K**05/06/2022**



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

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**Fwd: Plugging Vertical Well Work Permit (API: 47-039-01839 & 47-039-01887)**

1 message

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

Tue, May 3, 2022 at 10:08 AM

To: Jeff Isner <isner\_j@hotmail.com>, Trevor Schaffer <trevor.schaffer@pillarenergy.com>, Sallie Robinson <sallierobinson@kanawha.us>, "Urban, Terry W" <terry.w.urban@wv.gov>

I have attached a copy of the newly issued well [permit](#) number. This will serve as your copy.

**47-039-01839 - A-2**

**47-039-01887 - 18 S 113**

If you have any questions, then [please](#) contact us here at the Office of Oil and Gas.

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](mailto:Wade.A.Stansberry@wv.gov)**

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**05/06/2022**