



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, July 14, 2025
WELL WORK PLUGGING PERMIT
Vertical Plugging

GREYLOCK CONVENTIONAL, LLC
500 CORPORATE LANDING

CHARLESTON, WV 25311

Re: Permit approval for 36
47-067-00557-00-00

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 handwritten signature in blue ink, appearing to read 'James A. Martin', is written over a blue circular stamp.

Operator's Well Number: 36
Farm Name: FEDERAL COAL CO.
U.S. WELL NUMBER: 47-067-00557-00-00
Vertical Plugging
Date Issued: 7/14/2025

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.

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JUN 19 2025

WV Department of
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STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

1) Date June 30, 2025
2) Operator's
Well No. 36
3) API Well No. 47-067 - 00557

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

5) Location: Elevation 1666.62 Watershed Twenty Mile Creek
District Jefferson County Nicholas Quadrangle Bentree 7.5

6) Well Operator Greylock Conventional, LLC. 7) Designated Agent Joe Farris
Address 500 Corporate Landing Address 500 Corporate Landing
Charleston, WV 25311 Charleston, WV 25311

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Jeremy James Name R & R Well Services
Address P.O. Box 36 Address 42 Lynch Ridge Road
Clendenin, WV 25045 Walton, WV 25286

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

PLEASE SEE ATTACHED

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

Work order approved by inspector

Date

6-17-25

07/18/2025

JUN 19 2025


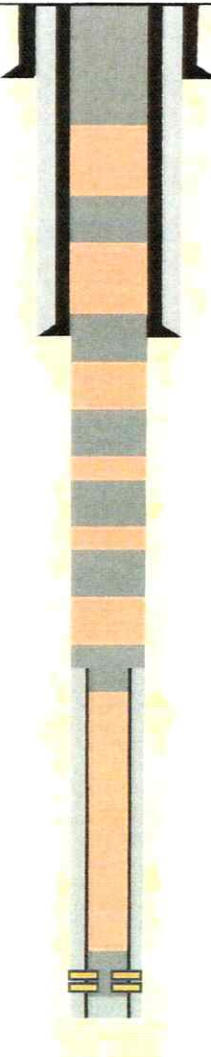



Federal Coal 36 P&A Procedure:

Casing Details				
OD (in)	Weight & Grade	Depth (ft)	Hole Size	Cement (ft ³)
10"	NA	32	NA	15
8-5/8"	NA	1033	NA	286
4-1/2"	NA	2765	NA	250

Plug Table				
Plug #	To Cover	Top	Bottom	Plug Height
1	Perfs	2530	ATD	?
2	Casing cut (50' in 50' out)	?	?	100
3	Salt water zone	2102	2202	100
4	Elevation	1617	1717	100
5	Salt water zone	1239	1339	100
6	8-5/8" casing shoe	983	1083	100
7	Fresh water zone	525	625	100
8	Surface and both coal seams	Surface	240	240

1. Notify the inspector at least 24 hours prior to conducting abandonment operations.
2. Blow down well
3. POOH with Tubing, RIH and confirm TD and fill depth.
4. Prep for cement. NOTIFY INSPECTOR OF TAG DEPTH.
5. Lead 6% with gel spacer on all cement plugs.
 - a. Note: Class A or Class L can be used for cement plugs.
6. **Plug 1:** Set cement plug from **Approved Tag Depth - 2530'** to cover perfs (2671'-2630').
7. If free pipe exists, free point 4.5" casing, rip and pull pipe. If not, proceed to plug 3.
8. **Plug 2:** Set 100' cement plug across casing cut (50' inside, 50' on top).
9. **Plug 3:** Set 100' cement plug from **2202' - 2102'** to cover salt sand (2152').
10. **Plug 4:** Set 100' cement plug from **1717' - 1616'** to cover elevation (1667').
11. **Plug 5:** Set 100' cement plug from **1339' - 1239'** to cover saltwater zone (1289').
12. **Plug 6:** Set 100' cement plug from **1083' - 983'** to cover 8-5/8" casing shoe (1033').
13. **Plug 7:** Set 100' cement plug from **625' - 525'** to cover freshwater zone (575').
14. **Plug 8:** Set 100' cement plug from **100' - Surface'**.
 - a. **NOTE:** Confirm ZERO annular gas migration before pumping surface plug.
 - b. This plug covers coal seams at 194' - 188' and 19'-24'.
15. Set monument 30" above ground with Well Name, API and plug date.

07/18/2025

			Greylock Energy
			Federal Coal #36
			API #:47-067-00557
			Casing and Cementing Details
			Nicholas Co., WV
Casing Size		Hole Size	Detailed Description
10' set at 32'			Plug 8: 240' Plug from 240'-surface (Covers both coal seams)
Coal seams at 19'-24' and 188'-194'			Plug 7: 100' Plug from 625'-525' to cover fresh water zone (575')
8-5/8" set at 1033'			Plug 6: 100' Plug from 1083'-983' to cover 8-5/8" casing shoe (1033')
			Plug 5: 100' Plug from 1339'-1239' to cover salt water zone (1289') Plug 4: 100' Plug from 1717'-1617' to cover elevation (1667') Plug 3: 100' Plug from 2202'-2102 to cover salt water zone (2152') Plug 2: 100' Across casing cut (50' inside 50' on top)  Plug 1: Approved Tag Depth-2530' to cover perfs
Perfs: 2671'-2630' 4-1/2" set at 2765' TD: 2814'			Legend  -Existing Cement  -Planned Plugging Cement

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IV-35
(Rev 8-81)



Date October 20, 1981
Operator's
Well No. Federal Coal #36
Farm Federal Coal Company
API No. 47 - 067 - 0557 REN

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State of West Virginia
Department of Mines
Oil and Gas Division

JUN 19 2025

WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WV Department of
Environmental Protection

WELL TYPE: Oil / Gas x / Liquid Injection / Waste Disposal /
(If "Gas," Production x / Underground Storage / Deep / Shallow /)

LOCATION: Elevation: 1666.62 Watershed Twenty Mile Creek

District: Jefferson County Nicholas Quadrangle Bentree 7.5'

COMPANY Texas International Petroleum Corporation

ADDRESS Suite 740, One Valley Square, Chas., WVA

DESIGNATED AGENT James M. Blanton

ADDRESS Suite 740, One Valley Square, Chas., WVA

SURFACE OWNER Federal Coal Company

ADDRESS Union Bldg., Charleston, W. Va.

MINERAL RIGHTS OWNER Federal Coal Company

ADDRESS Union Bldg., Charleston, W. Va.

OIL AND GAS INSPECTOR FOR THIS WORK Deo

Mace ADDRESS Sandridge, W. Va.

PERMIT ISSUED June 4, 1981

DRILLING COMMENCED 9/23/81

DRILLING COMPLETED 10/05/81

IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON N/A

Casing Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	32'	32'	15 sx
9 5/8			
8 5/8	1033'	1033'	286 sx
7			
5 1/2			
4 1/2	2765'	2765'	250 sx
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Keener-Injun Depth 2650-2680 feet

Depth of completed well 2814' feet Rotary x / Cable Tools

Water strata Depth: Fresh 575' feet; Salt 1289; 2152 feet

Coal seam depths: 19'-24'; 188'-194' Is coal being mined in the area? Yes

OPEN FLOW DATA

Producing formation Keener-Injun Pay zone depth 2630-2671 feet

Gas: Initial open flow 450 Mcf/d Oil: Initial open flow Bbl/d

Final open flow 1237 Mcf/d Final open flow Bbl/d

Time of open flow between initial and final tests hours

Static rock pressure 500 psig (surface measurement) after 4 hours shut in
(If applicable due to multiple completion--)

Second producing formation N/A Pay zone depth feet

Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d

Final open flow Mcf/d Oil: Final open flow Bbl/d

Time of open flow between initial and final tests hours

Static rock pressure psig (surface measurement) after hours shut in

(Continue on reverse side)

07/18/2025

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Perforated @ 2630'-2645' and 2656'-2671'. Total shots 15. Spotted 500 gal 15% HCl-Fe. Broke down w/700 PSI. Fraced w/60MM 20/40 sand. Total bbls-542. Highest Sand Concentration-4 PPG. AIR-22.5 BPM. AIP-2364 PSI. H.P.-1034. ISIP-300 PSI. 5 min-175 PSI and 15 min-125 PSI. Other additives: Inhibitor-1 gal, WG12-750#, WAC-10-350#, KCL-2100#, HLX286-100#, HLX287-200# and 135MSCFN₂.

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WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Fill	Brown	Soft	0	5	
Formation	Brown	Soft	5	19	
Coal	Black	Soft	19	24	Coal
Sand	Gray	Hard	24	89	
Sand & Shale	Gray	Medium	89	188	
Coal	Black	Soft	188	194	Coal
Sand & Shale	Gray	Medium	194	394	
Shale	Black	Soft	394	429	
Sand	Gray	Medium	429	505	
Shale	Black	Soft	505	535	
Sand	Gray	Medium	535	575	H ₂ O @ 575'-1/4"
Shale	Gray	Soft	575	1165	
Sand	White	Medium	1165	1289	Salt H ₂ O @ 1289'
Sand	White	Hard	1289	1776	
Sand & Shale	White	Medium	1776	1852	
Sand	White	Hard	1852	1929	
Sand & Shale	White	Medium	1929	2047	
Sand	White	Hard	2047	2055	
Sand & Shale	White	Medium	2055	2106	
Shale	Red	Soft	2106	2142	
Sable	Gray	Medium	2142	2152	Salt H ₂ O @ 2152'
Shale	Red	Soft	2152	2204	
Lower Maxton	Black/White	Medium	2204	2375	
Little Lime	Gray	Medium	2375	2665	
Keener-Big Injun	Gray	Soft	2665	2680	
Red Rock	Red	Soft	2680	2686	
Shale	Gray	Medium	2686	2814	TD 7-7/8" hole. Gas test @ TD 1/10th thru 7" = 450 MCF

(Attach separate sheets as necessary)

Texas International Petroleum Corporation
Well Operator

By: T. L. L. L. L.
Date: October 20, 1981

Note: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic
detailed geological record of all formations, including
coal, encountered in the drilling of a well."

07/18/2025

WW-4A
Revised 6-07

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WV Department of
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1) Date: June 30, 2025

2) Operator's Well Number
Federal # 36

3) API Well No.: 47 - 067 - 00557

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 Heartwood Forestland Fund VIII
Address 8809 Lenox Pointe Dr. Unit B
Charlotte, NC 28273

(b) Name
Address

(c) Name
Address

6) Inspector

Address Jeremy James
PO Box 36
Clendenin, WV 25045
Telephone (304) 951-2596

5) (a) Coal Operator

Name

Address

(b) Coal Owner(s) with Declaration

Name Honey Island Coal Company
Address 201 Second Street Ste 1200
Macon, Georgia 31201

Name

Address

(c) Coal Lessee with Declaration

Name

Address

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 Greylock Conventional, LLC.

By: Gavin M. Reed

Its: Asset Development Manager

Address 500 Corporate Landing

Charleston, WV 25311

Telephone (304) 925-6100

Subscribed and sworn before me this 16th day of June 2025

My Commission Expires July 20, 2030

Notary Public



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.

07/18/2025

EYLOCK
R G Y

500 Corporate Landing
Charleston, WV 25311

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UNLIMITED MAIL



7022 2410 0002 1377 3034

Honey Island Coal Co.
201 Second St. STE 1200
Macan, GA 31201



US POSTAGE
ZIP 25311 \$011.26⁰
02 4W
0000368130 JUN 18 25

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JUN 19 2025
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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:

Honey Island Coal Co.
201 Second St. STE 100
Macon, GA 31201



9590 9402 9129 4225 6237 11

7022 2410 0002 1377 3034

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

Agent

B. Received by (Printed Name)

Addressee

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

3. Service Type

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

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7022 2410 0002 1377 3034

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

- ☐ Return Receipt (hardcopy) \$
☐ Return Receipt (electronic) \$
☐ Certified Mail Restricted Delivery \$
☐ Adult Signature Required \$
☐ Adult Signature Restricted Delivery \$

Postage

Total Postage and Fees

Postmark
Here

#30

Sent to Honolulu and Coal Co.
Street and/or P.O. Box No. 301 Second St STE 1200
City, State, ZIP+4[®] Macon GA 31201

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions

07/18/2025

EYLOCK
R G Y

500 Corporate Landing
Charleston, WV 25311

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WV Department of
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7022 2410 0002 1377 3041

Heartwood Forestland Fund V1111
8809 Lenox Point Dr Unit B
Charlotte NC 28273



US POSTAGE
ZIP 25311 \$011.26
02 4W
0000368130 JUN 18 2025

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PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT

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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:

Heartwood Foreland Fund
8809 Lenox Park Dr Unit 8
Charlotte, NC 28273
9590 9402 9129 4225 6237 28

COMPLETE THIS SECTION ON DELIVERY

A. Signature

☒ X

☐ Agent

B. Received by (Printed Name)

☐ Addressee

C. Date of Delivery

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

3. Service Type

- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☐ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Delivery Restricted Delivery
- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Signature Confirmation™
- ☐ Signature Confirmation Restricted Delivery

2. Article Number (Manufacturer's Number)

7022 2430 0002 1377 3041

(over \$500) ☐ Restricted Delivery

PS Form 3811, July 2020 PSN 7536-02-000-9053

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7022 2410 0002 1377 3041

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

PS Form 3800, April 2015 PSN 7531-02-000-9047 See Reverse for Instructions

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WW-9
(5/16)

API Number 47 - 067 - 00557
Operator's Well No. _____

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

Operator Name Greylock Conventional, LLC. OP Code 494521205

Watershed (HUC 10) Twenty Mile Creek Quadrangle Bentree 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-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: Yes, tank returns at tanks

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

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

Additives to be used in drilling medium? _____

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. No cuttings expected

-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.

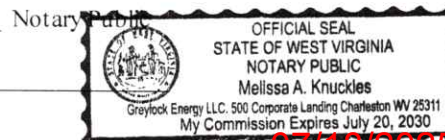
Company Official Signature Gavin M. Reed

Company Official (Typed Name) Gavin M. Reed

Company Official Title Asset Development Manager

Subscribed and sworn before me this 16th day of June, 20 25

Melissa A. Knuckles



07/18/2025

Proposed Revegetation Treatment: Acres Disturbed 1.0 Prevegetation pH _____Lime 3 Tons/acre or to correct to pH 6.5Fertilizer type 10-10-20Fertilizer amount 500 lbs/acreMulch Hay Bales Tons/acreRECEIVED
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WV Department of
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Temporary

Seed Type	lbs/acre
ORCHARD GRASS	12
LANDINO CLOVER	3
TIMOTHY	10

Permanent

Seed Type	lbs/acre
ORCHARD GRASS	12
LANDINO CLOVER	3
TIMOTHY	10

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: Jeremy JonesComments: _____

_____Title: inspector OOG Date: 6-17-25Field Reviewed? (☒) Yes (☐) No

07/18/2025

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

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Operator Name: Greylock Conventional, LLC.

Watershed (HUC 10): Twenty Mile Creek

Quad: Bentree 7.5

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.

N/A - no discharge of fluids

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

Closed loop system, all returns will be taken in tanks and hauled to WVDEP approved facility.

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

N/A

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

N/A

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

07/18/2025

JUN 19 2025

WV Department of
Environmental Protection

Page _____ of _____
API Number 47 - 067 - 00557
Operator's Well No. _____

N/A

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

Greylock will not use any waste material for deicing or fill material on 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.

N/A SEE SECTION 2

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

Daily inspections of equipment will be preformed

Signature: _____

Date: _____

07/18/2025



RECEIVED
Office of Oil and Gas
JUN 19 2025
WV Department of
Environmental Protection

May 28, 2025

WV Department of Environmental Protection
601 57th Street
Charleston, WV 25304

Re: 2022-13 Variance that allows the use of Class L cement in place of Class A cement for well plugging.

To Whom It May Concern:

Please see the attached order 2022-13 Variance that allows the use of Class L cement in place of Class A cement for well plugging. Greylock Conventional, LLC. wishes to use the Class L option at the time of plugging.

If you have questions, or need any additional information, please feel free to contact me.

Thank you,

A handwritten signature in blue ink that reads "Melissa Knuckles".

Melissa Knuckles
Permitting & Bond Specialist
Greylock Energy, LLC.
mknuckles@greylockenergy.com
(304) 925-6100 Office
(304) 389-1441 Cell



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, SE
Charleston, WV 25304
Phone (304) 926-0450

Harold D. Ward, Cabinet Secretary
dep.wv.gov

**BEFORE THE OFFICE OF OIL AND GAS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
STATE OF WEST VIRGINIA**

**IN THE MATTER OF A VARIANCE FROM)
LEGISLATIVE RULE 35CSR4)
SECTION 14.1. AND LEGISLATIVE RULE)
35CSR8 SECTION 20.1,)
RELATING TO THE CEMENTING)
OF OIL AND GAS WELLS)**

ORDER NO. 2022-13

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JUN 19 2025

WV Department of
Environmental Protection

REPORT OF THE OFFICE

In response to industry requests, the West Virginia Department of Environmental Protection, Office of Oil and Gas has reviewed the proposed use of American Petroleum Institute (API) Class L cement to be used in place of API Class A cement for well plugging.

FINDINGS OF FACT

1. On July 28, 2022, Diversified Gas & Oil Co. (DGO) submitted a variance request from Legislative Rule 35CSR4 for the use of API Class L cement in place of API Class A cement, relating to the plugging of conventional wells.
2. Laboratory analysis submitted by DGO on July 28, 2022, indicates API Class L cement is comparable to API Class A cement and thereby satisfies the requirements of the West Virginia Code.
3. Contemporaneously, the Chief of the Office of Oil and Gas also chose to consider a variance to Legislative Rule 35CSR8 Section 20.1., for the use of API Class L cement in place of API Class A cement, relating to the plugging of horizontal wells.

07/18/2025

4. On August 18, 2022, the Office of Oil and Gas provided public notice of acceptance of public comments on the variance consideration. During the 20-day public comment period, no comments were received.

CONCLUSIONS OF LAW

Pursuant to Article 6 and Article 6A, Chapter 22 of the Code of West Virginia, the Office of Oil and Gas has jurisdiction over the subject matter, and the persons interested therein, and jurisdiction to promulgate the hereinafter prescribed Order.

Pursuant to Legislative Rule 35CSR4, Section 18 and Legislative Rule 35CSR8, Section 14, the Chief of the Office of Oil and Gas may grant a variance from any requirement of these rules.


ORDER

It is ordered that the Class L cement product approved and monogrammed by API is approved for use in place of API Class A cement for well plugging subject to the provisions of Legislative Rule 35CSR4 and Legislative Rule 35CSR8.

Dated this, the 13th day of September, 2022.

IN THE NAME OF THE STATE OF WEST VIRGINIA

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


James Martin, Chief
Office of Oil and Gas

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Office of Oil and Gas
JUN 19 2025
WV Department of
Environmental Protection

07/18/2025

GREYLOCK Greylock Conventional, LLC
500 Corporate Landing
Charleston, WV 25311

UTM NAD83 Zone 17N Meters

GREYLOCK Greylock Conventional, LLC
500 Corporate Landing
Charleston, WV 25311

JUN 19 2025

WV Department of
Environmental Protection

47-067-00557

Branch

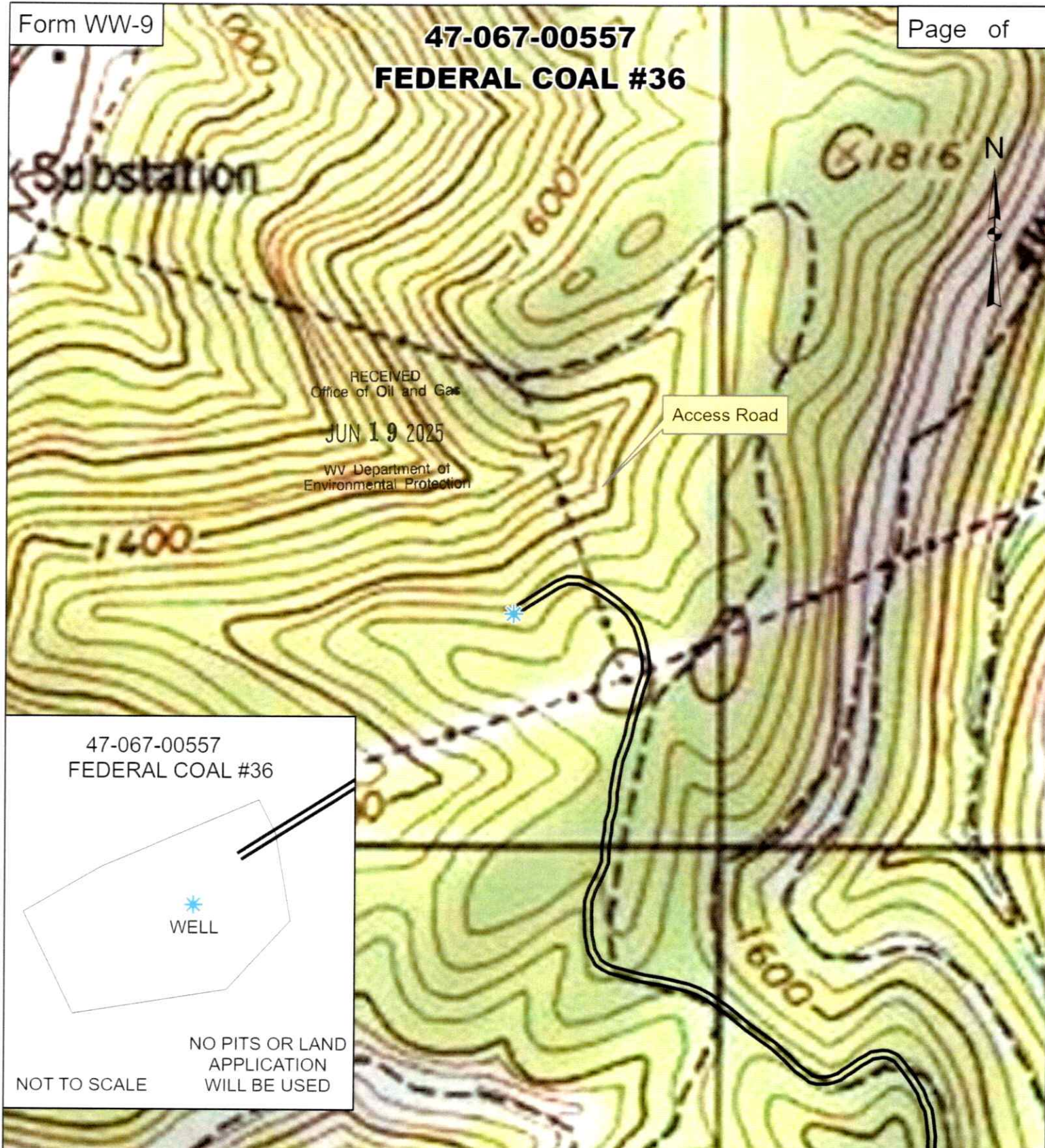
Mine

Swiss

07/18/2025



47-067-00557
FEDERAL COAL #36



GREYLOCK
ENERGY

Greylock Conventional, LLC

500 Corporate Landing Charleston, WV 25311
304-925-6100 - www.greylockenergy.com

Date: 4/28/2025

0 150 300 600 900 1,200



Feet

1:6,000

TOPO SECTION OF USGS
BENTREE 7.5' QUADRANGLE



ALL ROADS SHOWN HEREON ARE EXISTING
UNLESS OTHERWISE NOTED AND SHALL BE
MAINTAINED IN ACCORDANCE WITH WV
D.E.P. OIL AND GAS BMP MANUAL
ENTRANCES AT COUNTY/STATE ROADS
SHALL BE MAINTAINED WITH WV D.O.T.
REGULATION. SEPARATE PERMITS MAY
BE REQUIRED BY D.O.T.

EARTHWORK CONTRACTORS ARE
RESPONSIBLE FOR NOTIFICATION TO THE
OPERATOR AND IN **07/18/2025** TO ANY
DEVIATION FROM THIS PLAN.

WW-7
8-30-06



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Office of Oil and Gas

JUN 19 2025

WV Department of
Environmental Protection

West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-067-00557 WELL NO.: 36

FARM NAME: FEDERAL COAL

RESPONSIBLE PARTY NAME: Greylock Conventional, LLC

COUNTY: Nicholas DISTRICT: Jefferson

QUADRANGLE: Bentree

SURFACE OWNER: Greylock Conventional, LLC.

ROYALTY OWNER: _____

UTM GPS NORTHING: 4234267.5573

UTM GPS EASTING: 487770.9288 GPS ELEVATION: 1,715 ft

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 X: Post Processed Differential ____

Real-Time Differential X

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.

G. M. F.
Signature

Asset Dev. Manager
Title

6/16/25
Date

07/18/2025

SURFACE OWNER WAIVER

JUN 19 2025

Operator's Well
Number

Federal Coal 36

WV Department of
Environmental Protection

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

**NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.
WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:**

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0450

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

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

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

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

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

VOLUNTARY STATEMENT OF NO OBJECTION

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

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

FOR EXECUTION BY A NATURAL PERSON
ETC.

FOR EXECUTION BY A CORPORATION,

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

Signature

Date

07/18/2025

WW-4B

RECEIVED
Office of Oil and Gas

JUN 19 2025

WV Department of
Environmental Protection

API No. 47-067-00557

Farm Name

Well No. Federal Coal 36

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 _____

07/18/2025

JUN 19 2025

WV Department of
Environmental Protection

PLUGGING PERMIT CHECKLIST

Plugging Permit

- ☒ WW-4B
- ☒ WW-4B signed by inspector
- ☒ WW-4A
- ☒ SURFACE OWNER WAIVER or PROOF THAT APPLICATION WAS SENT BY REGISTERED OR CERTIFIED MAIL
- ☒ COAL OWNER/COAL OPERATOR/COAL LESSEE WAIVERS or PROOF THAT APPLICATION WAS SENT BY REGISTERED OR CERTIFIED MAIL
- ☒ WW-9 PAGE 1 (NOTARIZED)
- ☒ WW-9 PAGE 2 with attached drawing of road, location, pit and proposed area for land application
- ☒ WW-9 GPP PAGE 1 and 2 if well effluent will be land applied
- ☒ RECENT MYLAR PLAT OR WW-7
- ☒ WELL RECORDS/COMPLETION REPORT
- ☒ TOPOGRAPHIC MAP OF WELL, SHOWING PIT IF PIT IS USED
- ☒ MUST HAVE VALID BOND IN OPERATOR'S NAME
- ☐ CHECK FOR \$100 IF PIT IS USED

07/18/2025



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

plugging permits issued for 4706700576 00557

1 message

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

Mon, Jul 14, 2025 at 11:19 AM

To: Jeremy E James <jeremy.e.james@wv.gov>, "Knuckles, Melissa" <mknuckles@greylockenergy.com>, edennison@wvassessor.com

To whom it may concern, plugging permits have been issued for 4706700576 00557.

--

James Kennedy

Environmental Resource Specialist III / Permitting

WVDEP Office of Oil and Gas

601 57th Street, SE

Charleston, WV 25304

304-926-0499 ext. 45025

james.p.kennedy@wv.gov

2 attachments **4706700557.pdf**
2989K **4706700576.pdf**
3284K**07/18/2025**