



---

west virginia department of environmental protection

---

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)

Thursday, August 22, 2024  
WELL WORK PLUGGING PERMIT  
Vertical Plugging

GREYLOCK CONVENTIONAL, LLC  
500 CORPORATE LANDING

CHARLESTON, WV 25311

Re: Permit approval for LML 4  
47-039-04386-00-00

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:  
Farm Name: LAFOLLETTE, L. M.  
U.S. WELL NUMBER: 47-039-04386-00-00  
Vertical Plugging  
Date Issued: 8/22/2024

# 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 May 28, , 2024  
2) Operator's  
Well No. LML # 8  
3) API Well No. 47-039 - 04386

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  / Liquid injection \_\_\_ / Waste disposal \_\_\_ /  
(If "Gas, Production  or Underground storage \_\_\_) Deep \_\_\_ / Shallow

5) Location: Elevation 1589 Watershed Laurel Fork  
District Cabin Creek County Kanawha Quadrangle Eskdale 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 Name Terry Urban  
Address P.O. Box 1207  
Clendenin, WV 25045  
9) Plugging Contractor Name R & R Well Services  
Address 42 Lynch Ridge Road  
Walton, WV 25286

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

RECEIVED  
Office of Oil and Gas  
**JUL 31 2024**  
WV Department of  
Environmental Protection

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

Work order approved by inspector  Date 7-25-24

08/23/2024

**Plugging Procedure LML #8**  
**API: 47-039-4386**

Casing	Depth (ft)	Cement for casing
9 5/8	900	300 sks
7	2276	175 sks
4 1/2	5621	315 sks

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
5. Lead with 6% gel spacer on all cement plugs.
  - a. Note: Class L to be used, Alternative cement form submitted for Class L.
6. **PLUG 1** – Set cement plug from Approved tag depth - 2200' to cover perfs (5612 -2368'), Casing shoe (2276'), Little Lime (2254')
  - a. **Note:** If cannot get cement to hold, discuss with inspector to set CIBP @ 2318' or cement plug over top perf (2468 – 2000')
7. Free point 4.5" casing, rip and pull pipe.
8. **PLUG (casing cut)** – Set 100' plug across casing cut (50' inside, 50' on top)
9. **PLUG 2** – PU and set cement plug from **1520 – 1420'** to cover salt (1470')
10. **PLUG 3** – PU and set cement plug from **1259 – 1159'** to cover Elevation (1209')
11. **PLUG 4** – PU and set cement plug from **950 – 850'** to cover casing shoe (900')
12. **PLUG 5** – PU and set cement plug from **620 – 520'** to cover Fresh Water (570')
13. **PLUG 6** – PU and set cement plug from **100' – surface** to cover surface
14. Set monument ~30" above ground with Well Name, API and plug date

RECEIVED  
Office of Oil and Gas

JUL 31 2024

Well Department  
Environmental Protection

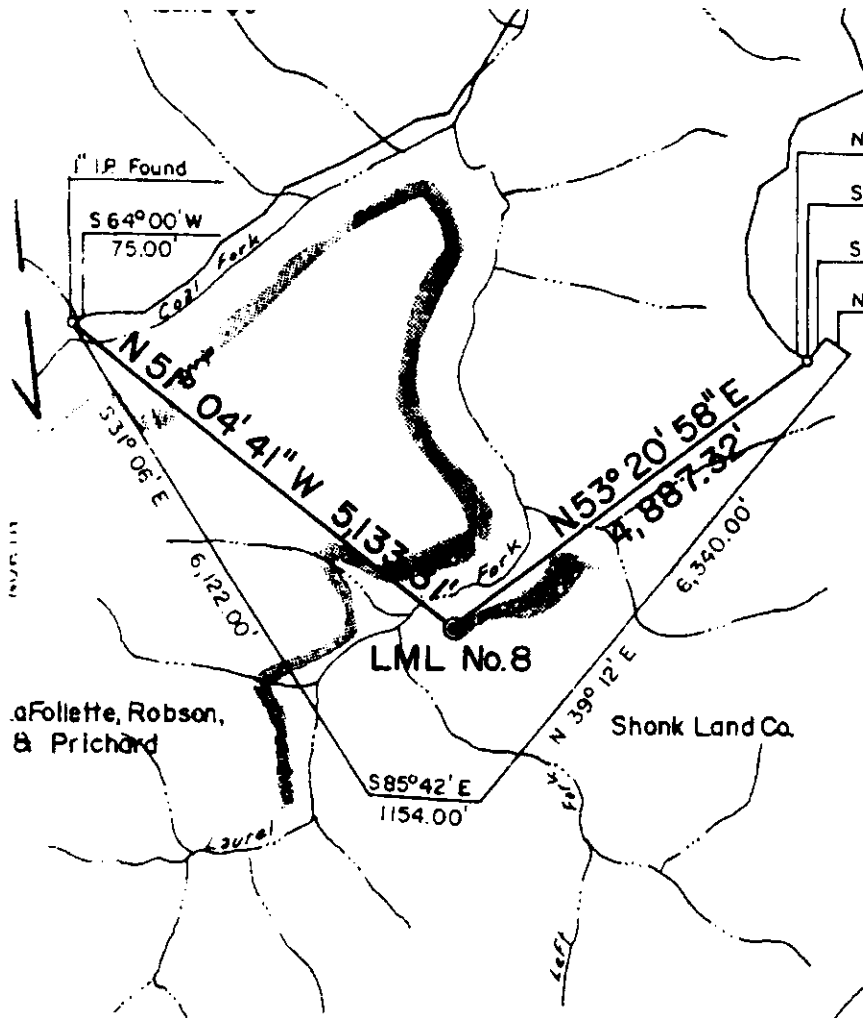
*Cann Set  
IN Stages*

*Cann Set  
AS ONE  
Plug*

*Will core with Cement All  
Oil & Gas formations including  
Salt, Elevation Coal, Fresh Water  
Any other  
7-25-24*

08/23/2024





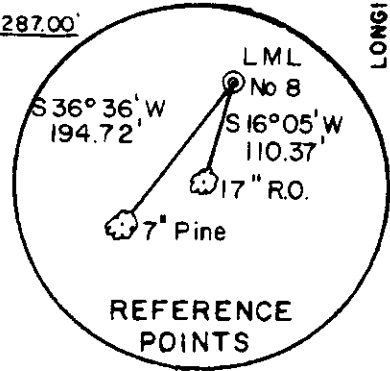
Shonk Land Co

N 51° 15' W 210.00'

SET STONE Found

S 42° 30' W 333.00'

N 59° 00' W 287.00'

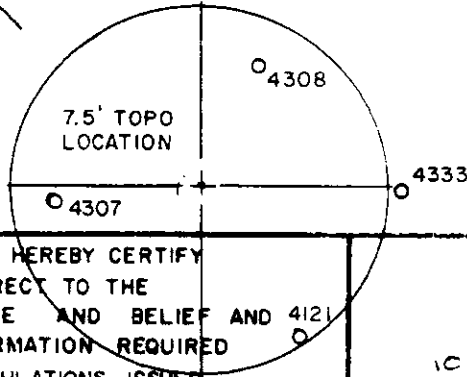


REFERENCE POINTS

RECEIVED  
Office of Oil and Gas

JUL 31 2024

WV Department of  
Environmental Protection



FILE NO. 10-002-014

DRAWING NO. \_\_\_\_\_

SCALE 1" = 2000'

MINIMUM DEGREE OF  
ACCURACY 1:2500

PROVEN SOURCE OF  
ELEVATION USGS BM 9SKS 1963  
ELEV. 731

I THE UNDERSIGNED, HEREBY CERTIFY  
THAT THIS PLAT IS CORRECT TO THE  
BEST OF MY KNOWLEDGE AND BELIEF AND 4121  
SHOWS ALL THE INFORMATION REQUIRED  
BY LAW AND THE REGULATIONS ISSUED  
AND PRESCRIBED BY THE DEPARTMENT OF  
MINES.

(SIGNED) Gregory Bailey  
R.P.E. 9318 L.L.S. \_\_\_\_\_

10-20-86

PLACE SEAL HERE

(+) DENOTES LOCATION OF  
WELL ON UNITED STATES  
TOPOGRAPHIC MAPS

FORM IV-6  
(8-78)



DATE OCT 28, 19 86  
OPERATOR'S WELL NO. LML No. 8  
API WELL NO. \_\_\_\_\_

47 - 039 - 4386  
STATE COUNTY PERMIT

DEPARTMENT OF ENERGY  
Oil & Gas Division

WELL TYPE: OIL \_\_\_\_\_ GAS X LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
(IF "GAS", PRODUCTION X STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHAL'OW X)  
LOCATION: ELEVATION 1209 WATER SHED LAUREL FORK  
DISTRICT CABIN CREEK COUNTY KANAWHA  
QUADRANGLE ESKDALE 7.5'

SURFACE OWNER L.M. LaFollette, et al ACREAGE 1003  
OIL & GAS ROYALTY OWNER L.M. LaFollette LEASE ACREAGE 1003  
LEASE NO. \_\_\_\_\_

PROPOSED WORK: DRILL X CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR  
STIMULATE X PLUG OFF OLD FORMATION \_\_\_\_\_ PERFORATE NEW  
FORMATION X OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

08/23/2024

LONGITUDE 81° 27' 3

14,725'

APR 15 1987

Department of Mines  
Oil and Gas Division

Farm LaFollette etal  
API No. 77 - 039 - 4386

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

WELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 1209 Watershed Laurel Fork  
District: Cabin Creek County Kanawha Quadrangle Eskdale 7.5

COMPANY Allegheny & Western Energy Corp

ADDRESS P.O.Box 2587, Charleston, W.Va., 25329

DESIGNATED AGENT Dennis L. Mann

ADDRESS P.O.Box 2587, Charleston, W.Va., 25329

SURFACE OWNER L.M.LaFollette

ADDRESS 421 10th St, Huntington, W.Va.

MINERAL RIGHTS OWNER Same

ADDRESS \_\_\_\_\_

OIL AND GAS INSPECTOR FOR THIS WORK Carlos  
Hivley ADDRESS 223 Pinch Ridge Rd  
Elkview, W.Va

PERMIT ISSUED 11/14/86

DRILLING COMMENCED 11/17/86

DRILLING COMPLETED 11/24/86

IF APPLICABLE: PLUGGING OF DRY HOLE ON  
CONTINUOUS PROGRESSION FROM DRILLING OR  
REWORKING. VERBAL PERMISSION OBTAINED  
ON \_\_\_\_\_

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8	900	900	300 sks
8 5/8			
7	2276	2276	175 sks
5 1/2			
4 1/2	5621	5621	315 sks
3			
2			
Liners used			III 31 2024

RECEIVED  
Office of Oil and Gas

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 5290 feet

Depth of completed well 5648 feet Rotary X / Cable Tools \_\_\_\_\_

Water strata depth: Fresh 570 feet; Salt 1470 feet

Coal seam depths: N/A Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation Big Lime/ Weir Pay zone depth 2368 feet

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

Final open flow 110 Mcf/d Final open flow \_\_\_\_\_ Bbl/d

Time of open flow between initial and final tests 24 hours

Static rock pressure 566 psig (surface measurement) after 24 hours shut in  
(If applicable, due to multiple completion--)

Second producing formation Devonian Shale Pay zone depth 3022 feet

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

Final open flow 301 Mcf/d Oil: Final open flow \_\_\_\_\_ Bbl/d

08/23/2024

2368-2545 perf w/ 10 holes frac w/ 10,000 gal gel acid + 53,000 scf n2  
 2746-2828 perf w/ 20 holes frac w/ 30,000 # 20/40 sd + 587,000 scf n2  
 3022-4044 perf w/ 37 holes frac w/ 60,000# 20/40 sd + 1,092,000 scf n2  
 4121-5612 perf w/ 50 holes frac w/ 60,000# 20/40 sd + 1,092,000 scf n2

**RECEIVED**  
 APR 15 1987

DIVISION OF OIL & GAS  
 DEPARTMENT OF ENERGY

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
siltstone & shale			0	1137	
salt sand			1137	1258	
shale			1258	1288	
salt sand			1288	1616	
shale			1616	1715	
limestone			1715	1749	
shale & sandstone			1749	2254	
little lime			2254	2304	
slate & lime			2304	2344	
big lime			2344	2586	
big injun			2586	2600	
shale			2600	2742	
weir			2742	2834	
shale			2834	3024	
sunbury shale			3024	3034	
berea			3034	3044	
sandysiltstone & shale			3044	3280	
gordon			3280	3290	
grey & brown shale			3290	5648	T.D. 5648 K.B.

RECEIVED  
 Office of Oil and Gas

JUL 31 2024

Department of  
 Environmental Protection

(Attach separate sheets as necessary)

Allegheny & Western Energy Corp

Well Operator

By: *Kevin G. Man*, Vice President

Date: April 6, 1987

08/23/2024

WW-4A  
Revised 6-07

1) Date: May 28, 2024  
2) Operator's Well Number  
LML # 8

3) API Well No.: 47 - 039 - 04386

**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>Sustainable Surface</u>	Name <u>unknown</u>
Address <u>303 W. Washington Street</u>	Address _____
<u>CHarleston, WV 25302</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>unknown</u>
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Terry Urban</u>	(c) Coal Lessee with Declaration
Address <u>P.O. Box 1207</u>	Name _____
<u>Clendenin, WV 25045</u>	Address _____
Telephone <u>(304) 544-5915</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.

RECEIVED  
Office of Oil and Gas

Well Operator	<u>Greylock Conventional, LLC.</u>	<b>JUL 31 2024</b>
By:	<u>Gavin M. Reed</u> <i>G-MR</i>	
Its:	<u>Asset Development Manager</u>	<u>WV Department of</u>
Address	<u>500 Corporate Landing</u>	<u>Environmental Protection</u>
	<u>Charleston, WV 25311</u>	
Telephone	<u>(304) 925-6100</u>	

Subscribed and sworn before me this 28th day of May 2024  
Melissa A. Knuckles  
My Commission Expires July 20, 2025



**Oil and Gas Privacy Notice**

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov).

08/23/2024



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

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

**OFFICIAL USE**

Certified Mail Fee

\$

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

\$

Sent To

Street and Apt. No., or PO Box No.

City, State, ZIP+4

Sustainable Surface  
303 W. Washington St.  
Charleston W 25302

Postmark  
JUL 30 2024

7022 2410 0002 1377 2806

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

See Reverse for Instructions

08/23/2024

WW-9  
(5/16)

API Number 47 - 039 - 04386  
Operator's Well No. \_\_\_\_\_

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) Laurel Fork Quadrangle Eskdale 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 **RECEIVED**  
Office of Oil and Gas

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

Additives to be used in drilling medium? \_\_\_\_\_ **JUL 31 2024**

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) \_\_\_\_\_ WV Department of Environmental Protection

-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 G. M. R.

Company Official (Typed Name) Gavin M. Reed

Company Official Title Asset Development Manager

Subscribed and sworn before me this 28th day of May

Melissa A. Knuckles

My commission expires July 20, 2025



08/23/2024

Proposed Revegetation Treatment: Acres Disturbed 1.0 Prevegetation pH \_\_\_\_\_

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer type 10-10-20

Fertilizer amount 500 lbs/acre

Mulch Hay bales Tons/acre

**Seed Mixtures**

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
ORCHARD GRASS	12	ORCHARD GRASS	12
LANDINO CLOVER	3	LANDINO CLOVER	3
TIMOTHY	10	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: *Arya W. Gupta*

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

RECEIVED  
Office of Oil and Gas

JUL 31 2024

WV Department of  
Environmental Protection

Title: *Inspecteur Oil & Gas*

Date: *7-25-24*

Field Reviewed?  Yes  No

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

Operator Name: Greylock Conventional, LLC.  
Watershed (HUC 10): Laurel Fork Quad: Eskdale 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

RECEIVED  
Office of Oil and Gas  
JUL 31 2024  
WV Department of  
Environmental Protection

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.

08/23/2024



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.

RECEIVED  
Office of Oil and Gas

Daily inspections of equipment will be preformed

JUL 31 2024

WV Department of  
Environmental Protection

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

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

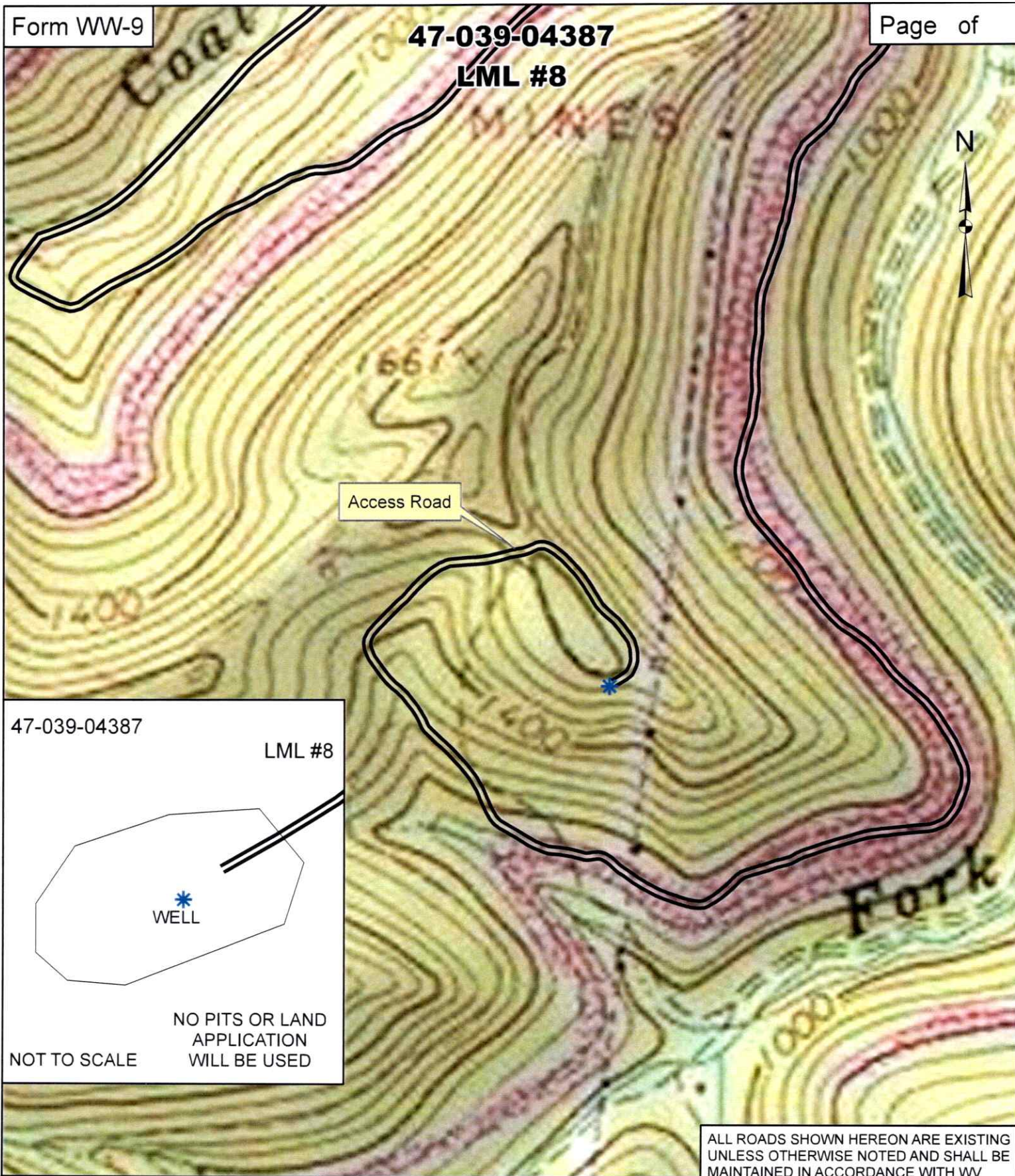
08/23/2024





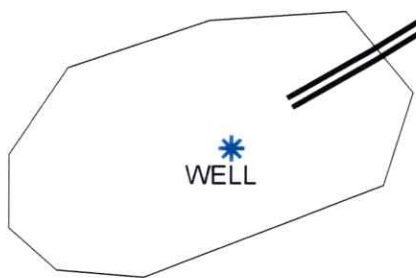


LML #8



47-039-04387

LML #8



WELL

NO PITS OR LAND APPLICATION WILL BE USED

NOT TO SCALE

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 INSPECTOR PRIOR TO ANY DEVIATION FROM THIS PLAN.



Greylock Conventional, LLC

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

Date: 6/20/2024

0 150 300 600 900 1,200



Feet

1:6,000



TOPO SECTION OF USGS  
ESKDALE 7.5' QUADRANGLE

08/23/2024



WW-7  
8-30-06



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

API: 47-039-04386 WELL NO.: 8

FARM NAME: LML

RESPONSIBLE PARTY NAME: Greylock Conventional, LLC.

COUNTY: Kanawha DISTRICT: Cabin Creek

QUADRANGLE: Eskdale 7.5

SURFACE OWNER: \_\_\_\_\_

ROYALTY OWNER: \_\_\_\_\_

UTM GPS NORTHING: 4215294.43

UTM GPS EASTING: 458456.64 GPS ELEVATION: 1,210 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 \_\_\_\_\_: Post Processed Differential \_\_\_\_\_

Real-Time Differential \_\_\_\_\_

RECEIVED  
Office of Oil and Gas

JUL 31 2024

West Virginia Department of  
Environmental Protection

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. R.  
Signature

Asset Development Manager  
Title

5/20/24  
Date

08/23/2024



May 10, 2024

WV Department of Environmental Protection  
601 57<sup>th</sup> Street  
Charleston, WV 25304

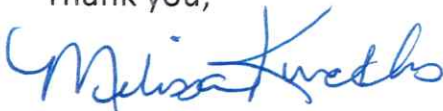
Re: 2022-13 Variance that allows the use of Class L cement in place of Class A cement for well plugging.

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,



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

RECEIVED  
Office of Oil and Gas

**JUL 31 2024**

WV Department of  
Environmental Protection



west virginia department of environmental protection

Office of Oil and Gas  
601 57<sup>th</sup> 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**

**RECEIVED**  
Office of Oil and Gas

**JUL 31 2024**

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.

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.


RECEIVED  
Office of Oil and Gas

JUL 31 2024

IN THE NAME OF THE STATE OF WEST VIRGINIA

Department of  
Environmental Protection

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

  
James Martin, Chief  
Office of Oil and Gas

08/23/2024

May 29, 2024

Sustainable Surface  
303 W. Washington Street  
Charleston, WV 25302

To Whom It May Concern:

This letter is to inform you that Greylock Conventional, LLC. will be plugging the LML # 8 well located in Kanawha County WV. Should you have questions regarding this matter, please feel free to contact me at (304) 925-6100.

Thank you,



Melissa Knuckles



500 Corporate Landing  
Charleston, WV 25311  
(304) 925.6100  
mknuckles@greylockenergy.com

RECEIVED  
Office of Oil and Gas

JUL 31 2024

WV Department of  
Environmental Protection

08/23/2024



**SURFACE OWNER WAIVER**

Operator's Well  
Number

47-039-04386

**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

Office of Oil and Gas

**JUL 31 2024**

WV Department of  
Environmental Protection

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

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

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

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

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

**VOLUNTARY STATEMENT OF NO OBJECTION**

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

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

FOR EXECUTION BY A NATURAL PERSON  
ETC.

FOR EXECUTION BY A CORPORATION,

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

Signature

Date

**08/23/2024**

WW-4B

API No. 47-039-04386  
Farm Name \_\_\_\_\_  
Well No. LML # 8

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

RECEIVED  
Office of Oil and Gas

JUL 31 2024

WV Department of  
Environmental Protection

08/23/2024

11/10/2016

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

RECEIVED  
Office of Oil and Gas

JUL 31 2024

West Virginia Department of  
Environmental Protection

08/23/2024



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

---

## plugging permits issued 4703904018 04358 04386

1 message

---

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

Thu, Aug 22, 2024 at 11:05 AM

To: "Knuckles, Melissa" <mknuckles@greyllockenergy.com>, Terry W Urban <terry.w.urban@wv.gov>, sallierobinson@kanawha.us


To whom it may concern, plugging permits have been issued for 4703904018 04358 04386.


WVDEP OOG

James Kennedy

---

### 3 attachments

 **4703904386.pdf**  
2973K

 **4703904018.pdf**  
3083K

 **4703904358.pdf**  
3031K

08/23/2024