



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, June 17, 2024
WELL WORK PLUGGING PERMIT
Vertical Plugging

GREYLOCK CONVENTIONAL, LLC
500 CORPORATE LANDING

CHARLESTON, WV 25311

Re: Permit approval for 1
47-087-03476-00-00

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: BLACKWELL, GLEN - HEIRS
U.S. WELL NUMBER: 47-087-03476-00-00
Vertical Plugging
Date Issued: 6/17/2024

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 10, 2024
2) Operator's
Well No. Blackwell 1
3) API Well No. 47-087 - 03478

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 967 Watershed Silcott Fork of Big Lick CK
District Walton County Roane Quadrangle Walton 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

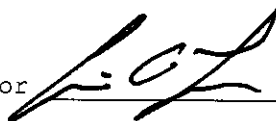
8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Cruise Lawson Name R & R Well Services
Address 347 Main Street Address 42 Lynch Ridge Road
Spencer, WV 25276 Walton, WV 25286

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

PLEASE SEE ATTACHED

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Office of Oil and Gas
MAY 23 2024
WV Department of
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Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector  Date 5/20/24

Plugging Procedure Blackwell #1
API: 47-087-3476

Casing	Depth (ft)	Cement for casing
9 5/8	261	150 cf
7	2404	175 cf
Open Hole	2404 - 5642	NA


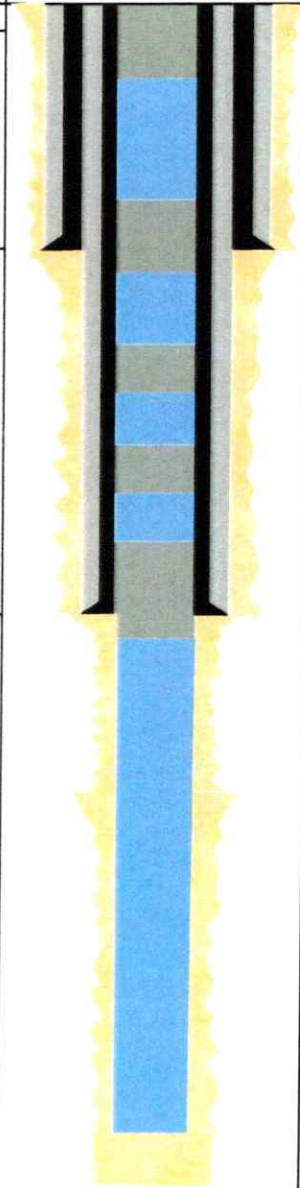
1. Notify the inspector at least 24 hours prior to conducting abandonment operations.
2. Blow down well
3. POOH with Tubing, RIH and confirm TD and fill depth.
4. Prep for cement
5. Lead 6% with gel spacer on all cement plugs.
 - a. Note: ~~Type II~~ to be used, Alternative cement form submitted for ~~Type II~~. *CLASS L*
6. **PLUG 1** – Set cement plug from 2500 - 2150' to cover openhole top/casing shoe (2404') and Big Lime (2210')
7. **PLUG 2** – PU and set cement plug from **2000 – 1800'** to cover salt water (1950')
8. Free point 4.5" casing, rip and pull pipe.
9. **PLUG (casing cut)** – Set 100' plug across casing cut (50' inside, 50' on top)
10. **PLUG 3** – PU and set cement plug from **1017 – 917'** to cover elevation (967')
11. **PLUG 4** – PU set cement plug from **311 – 211'** to cover casing shoe (261')
12. **PLUG 5** – PU set plug from **150' – Surface** to cover freshwater (90') and surface
13. Set monument ~30" above ground with Well Name, API and plug date

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Class L
~~Type II~~ Jonathan Lord
 7/3/24

[Signature] Cruise Hansen
 006 5/20/24

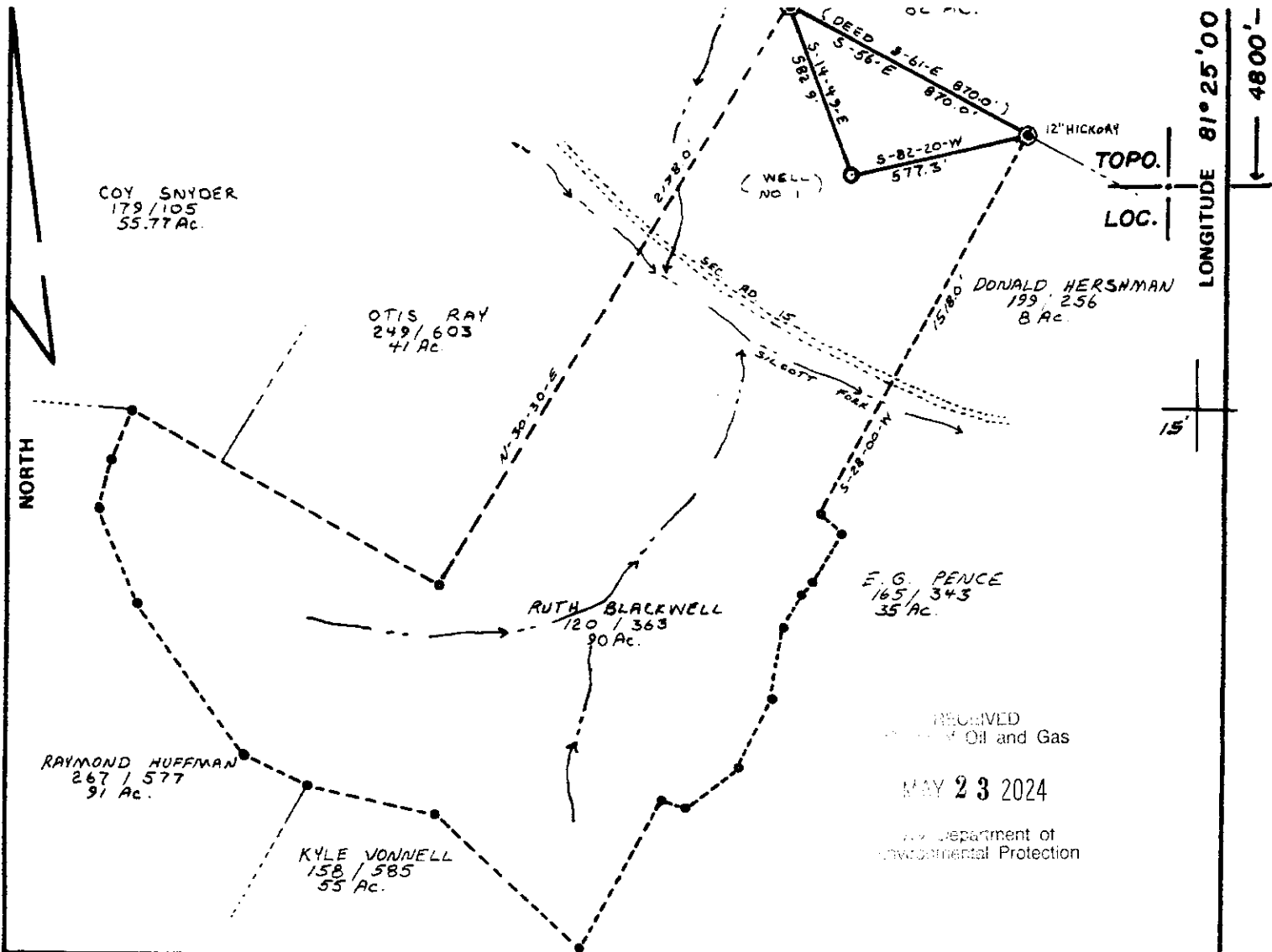
Blackwell #1 Wellbore Diagram

			GreyLock Energy	
			Blackwell #1	
			API #:470873476	
			Casing and Cementing Details	
			Roane County, WV.	
Casing Size		Hole Size	Detailed Description	
9 5/8" set @ 250' (150sks)				Plug 5: 150' - surface to cover water/surface Plug 4: 311' - 211' covers casing shoe Plug (casing cut): TBD Plug 3: 1017' - 917' to cover elevation Plug 2: 2000' - 1800' to cover saltwater
7" set @ 2150' (175sks)		NA		Plug 1: 2500' - 2150' openhole, casing shoe, Big Lime
Openhole: 5642' - 2404'				
TD: 5642'		NA		

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LONGITUDE 81° 25' 00"
4800'

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Department of Environmental Protection

FILE NO. 81-200
DRAWING NO. 81-200
SCALE 1" = 500'
MINIMUM DEGREE OF ACCURACY 1 IN 200
PROVEN SOURCE OF ELEVATION INTERSECTION OF SEC. RDS. 15 AND 15/2
ELEV = 788

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT 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 DEPARTMENT OF MINES
(SIGNED) [Signature]
R.P.E. _____ L.L.S. 526

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
FORM IV-6
(8-78)



DATE OCT. 28 1981
OPERATOR'S WELL NO. one
API WELL NO. 47-087-3476
STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW X
LOCATION: ELEVATION 967' WATER SHED SILCOTT FORK OF BIG LICK CK
DISTRICT WALTON COUNTY ROANE
QUADRANGLE WALTON
SURFACE OWNER GLEN BLACKWELL HEIRS ACREAGE 90
OIL & GAS ROYALTY OWNER G. BLACKWELL HRS. & ENLOW OIL LEASE ACREAGE 90
LEASE NO. _____
PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

06/28/2024

State of West Virginia

Department of Mines
Oil and Gas Division

Operator's
Well No. Blackwell #1

Farm G. Blackwell Heirs

API No. 47 - 087 - 3476

WELL OPERATOR'S REPORT
OF
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: 967' Watershed Silcott Fork of Big Lick Creek
District: Walton County Roane Quadrangle Walton

COMPANY Allegheny & Western Drilling Corp.

ADDRESS P.O. Box 2587, Chas., WV 25329

DESIGNATED AGENT Roland C. Baer, Jr.

ADDRESS P.O. Box 2587, Chas., WV 25329

SURFACE OWNER G. Blackwell Heirs

ADDRESS 1619 Birgley Avenue, Chas, WV 25302

MINERAL RIGHTS OWNER G. Blackwell Heirs & Enlow

Oil ADDRESS SAME

OIL AND GAS INSPECTOR FOR THIS WORK Richard

J. Morris ADDRESS Grantsville, WV

PERMIT ISSUED November 2, 1981

DRILLING COMMENCED November 27, 1981

DRILLING COMPLETED December 4, 1981

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

Table with 4 columns: Casing Tubing, Used in Drilling, Left in Well, Cement fill up Cu. ft. Rows include sizes 20-16, 13-10, 9 5/8, 8 5/8, 7, 5 1/2, 4 1/2, 3, 2 and Liners used.

GEOLOGICAL TARGET FORMATION Devonian Shale (Brown thru Marcellus) Depth 5300 feet

Depth of completed well 5642 feet Rotary x / Cable Tools

Water strata depth: Fresh 90 feet; Salt 1950 feet

Coal seam depths: N/a Is coal being mined in the area? NO

OPEN FLOW DATA

Producing formation Devonian Shale (Brown thru Marcellus) Pay zone depth 3692-5642 feet

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

Final open flow 300 Mcf/d Final open flow Bbl/d

Time of open flow between initial and final tests hours

Static rock pressure 1100 psig (surface measurement) after 24 hours shut in

(If applicable due to multiple completion--)

Second producing formation 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

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Shot well with 5½" Judymite from 3692' to 5642'

WELL LOG Basin Surveys, Inc.

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Hard Rock			0	38	
Sandy Shale			38	420	Fresh Water 90'
Shale & Red Rock			420	1848	
Salt Sand			1848	2210	Salt Water 1950'
Big Lime			2210	2298	
Injun			2298	2348	
Shale			2348	2672	
Coffee Shale			2672	2685	
Shale			2685	5130	
Marcellus Shale			5130	5642	TD.

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 May 23 2024
 Department of
 Environmental Protection

(Attach separate sheets as necessary)

Allegheny & Western Drilling Corporation
 Well Operator
 By: [Signature]
 Date: December 17, 1981

06/28/2024

Note: Regulation 2.02(i) provides as follows:

1) Date: May 10, 2024

2) Operator's Well Number
Blackwell 1

3) API Well No.: 47 - 087 - 03476

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>Bobbie J. Smith</u>	Name _____
Address <u>621 Harmony Road</u>	Address _____
<u>Gandeeville, WV 25243</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name _____
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Cruise Lawson</u>	(c) Coal Lessee with Declaration
Address <u>347 Main Street</u>	Name _____
<u>Spencer, WV 25276</u>	Address _____
Telephone <u>(681) 467-9141</u>	_____

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

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

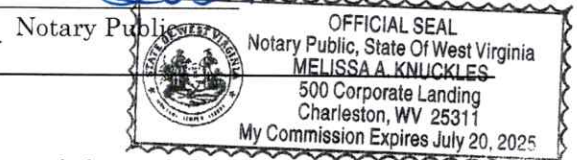
The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

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

Well Operator	<u>Greylock Conventional, LLC.</u>
By:	<u>Gavin M. Reed</u> <i>GMR</i>
Its:	<u>Asset Development Manager</u>
Address	<u>500 Corporate Landing</u>
	<u>Charleston, WV 25311</u>
Telephone	<u>(304) 925-6100</u>

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Subscribed and sworn before me this 10th 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.

REYLOCK
E R G Y

500 Corporate Landing
Charleston, WV 25311

7022 2410 0002 1377 3263



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Bobbie J. Smith
621 Harmony Road
Crandeeville, WV 25243



UNITED STATES POSTAGE
PITNEY BOWES
02 1P
0003207208
MAY 23 2024
MAILED FROM ZIP CODE 25311
\$ 009.80

06/28/2024

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 Office of Oil and Gas
 MAY 23 2024
 WV Department of
 Environmental Protection

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:
 Robbie J. Smith
 621 Harmony Rd
 Gardleville, WV 25443



7022 2410 0002 1377 3263

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

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
 - Adult Signature Restricted Delivery
 - Certified Mail®
 - Certified Mail Restricted Delivery
 - Collect on Delivery
 - Collect on Delivery Restricted Delivery
 - Insured Mail
 - Insured Mail Restricted Delivery (over \$500)
 - Priority Mail Express®
 - Registered Mail™
 - Registered Mail Restricted Delivery
 - Signature Confirmation™
 - Signature Confirmation Restricted Delivery

Domestic Return Receipt

7022 2410 0002 1377 3263

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

For delivery information, visit our website at 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 \$ _____

Postmark
Here

Postage

Total Postage and Fees

Sent To **Robbie J. Smith**
 Street and Apt. No., or PO Box No. **251 Kinnon Rd**
 City, State, ZIP+4® **Standawville, WV 25243**

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

See Reverse for Instructions

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SURFACE OWNER WAIVER

Operator's Well
Number

47-087-03476

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A

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

NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

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

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Office of Oil and Gas
MAY 23 2024

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

06/28/2024

WW-4B

API No. 47-087-03476
Farm Name _____
Well No. Blackwell # 1

**INSTRUCTIONS TO COAL OPERATORS
OWNERS AND LESSEE**

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

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

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

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WAIVER

The undersigned coal operator _____ / 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 _____

06/28/2024

WW-9
(5/16)

API Number 47 - 087 - 03476
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) Silcott Fork of Big Lick Ck Quadrangle Walton 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 Spirit Services of WV LLC)

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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 cutngs expected

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

-Landfill or offsite name/permit number? _____

Handwritten initials
000

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 10th day of May, 2024

Melissa A. Knuckles

Notary Public

My commission expires July 20, 2025



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

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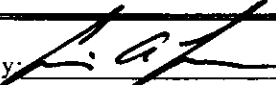
Seed Mixtures

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: 

Comments: _____

Title: Inspector ooc Date: 5/20/24

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): Silcott Fork of Big Lick Ck Quad: Hacker Valley
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

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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.

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

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

Daily inspections of equipment will be preformed

Signature: _____

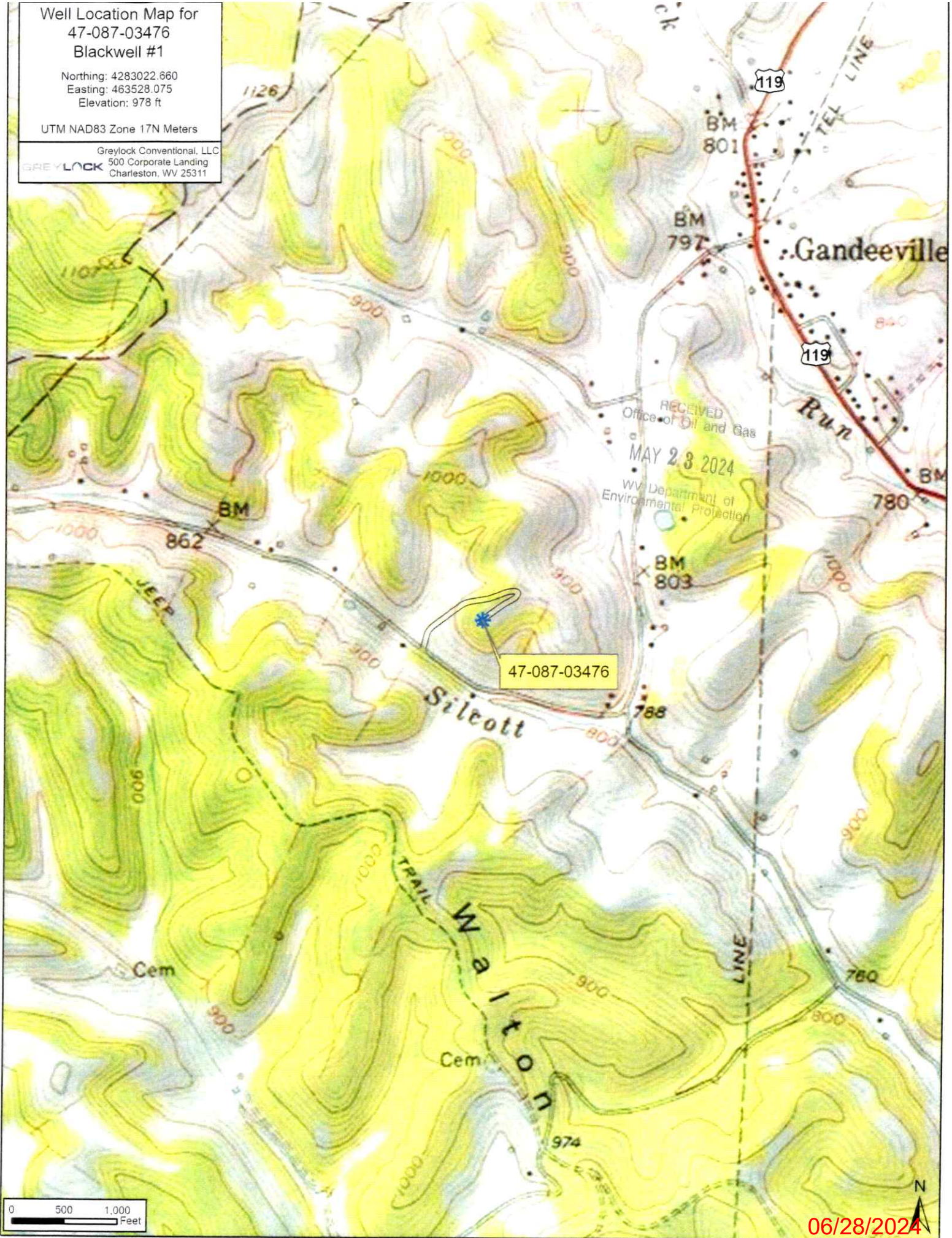
Date: _____

Well Location Map for
47-087-03476
Blackwell #1

Northing: 4283022.660
Easting: 463528.075
Elevation: 978 ft

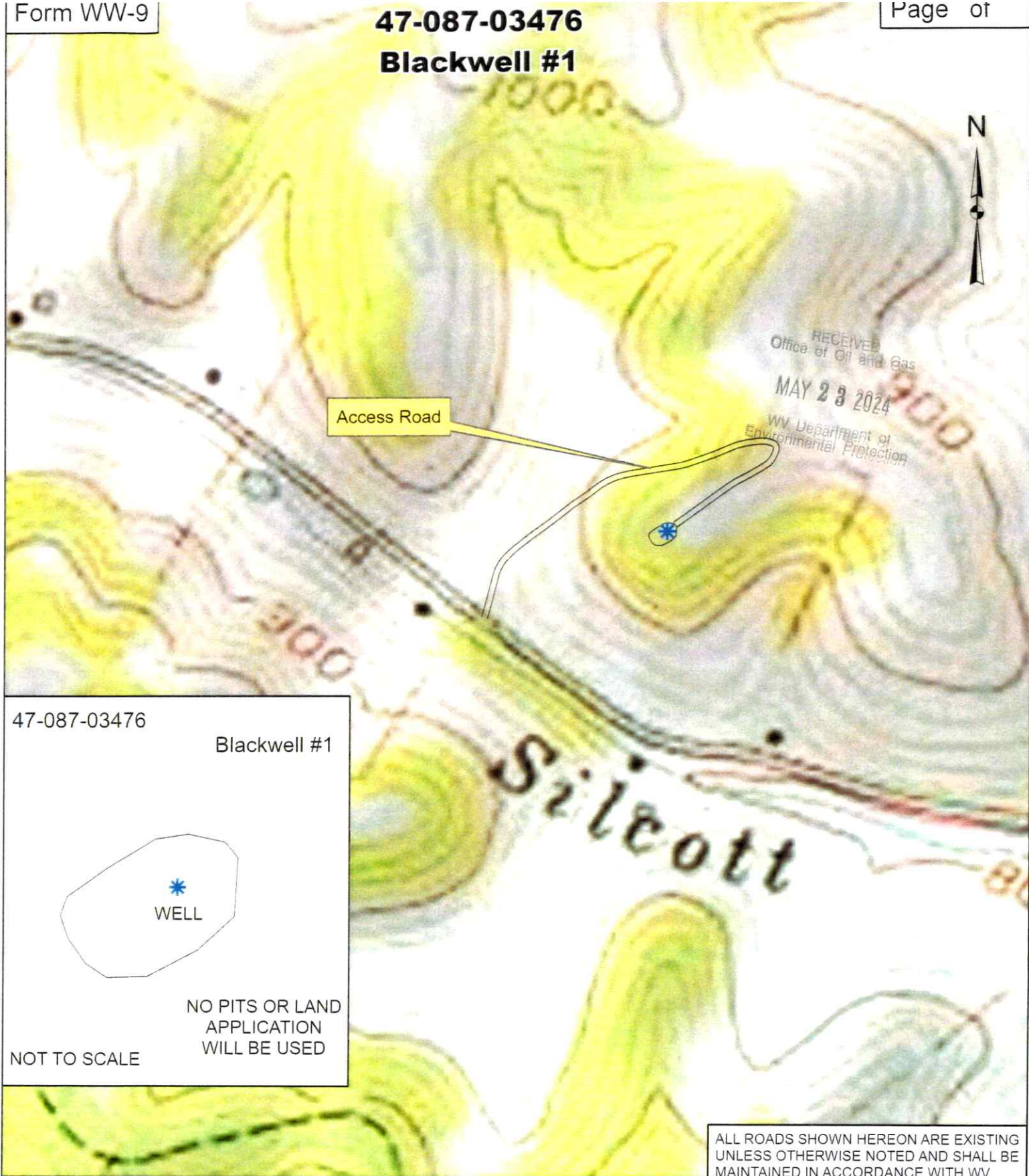
UTM NAD83 Zone 17N Meters

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



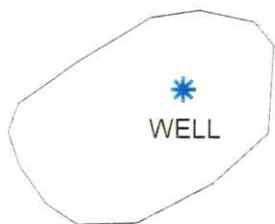
06/28/2024

Blackwell #1



47-087-03476

Blackwell #1



NO PITS OR LAND APPLICATION WILL BE USED

NOT TO SCALE



Greylock Conventional, LLC

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

Date: 5/6/2024

0 125 250 500 750 1,000



Feet

1:4,800

TOPO SECTION OF USGS
WALTON 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 INSPECTOR PRIOR TO ANY DEVIATION FROM THIS PLAN

06/28/2024

May 10, 2024

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.

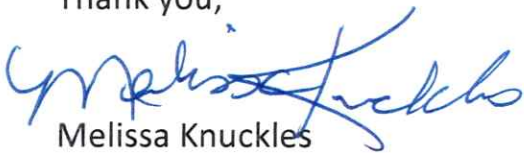
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To Whom It May Concern:

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

(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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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.

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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West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-087-03476 WELL NO.: 1

FARM NAME: Blackwell

RESPONSIBLE PARTY NAME: Greylock Conventional, LLC.

COUNTY: ROANE DISTRICT: Walton

QUADRANGLE: Walton 7.5

SURFACE OWNER: _____

ROYALTY OWNER: _____

UTM GPS NORTHING: 4283022.66

UTM GPS EASTING: 463528.08 GPS ELEVATION: 978 ft

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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.

G. M. H.
Signature

Asset Dev Manager
Title

5/10/24
Date

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

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Roane County, West Virginia
Blackwell # 1 API 47-087-03476

May 23, 2023

Bobbie J. Smith
621 Harmony Rd
Gandeeville, WV 25243

Re: Roane County
Blackwell # 1 API 47-087-03476

Dear Mr. Carpenter,

This letter is to inform you that Greylock Conventional, LLC. will be plugging the above mentioned well. Attached you will find a plugging packet that is being sent to the WV DEP for permit approval. Should you questions, please feel free to contact me at (304) 925-6100.

Thank you,

Melissa Knuckles
Permitting & Bond Specialist



500 Corporate Landing
Charleston, WV 25311
(304)925-6100
(304)389-1441

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

plugging permits issued for 4708703476 08703486

1 message

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

Mon, Jun 17, 2024 at 12:18 PM


To: "Knuckles, Melissa" <mknuckles@greyllockenergy.com>, Cruise A Lawson <cruise.a.lawson@wv.gov>, ewestfall@wvassessor.com


To whom it may concern, plugging permits have been issued for 4708703476 08703486.

James Kennedy

WVDEP OOG

2 attachments

 **4708703486.pdf**
2488K

 **4708703476.pdf**
2417K

06/28/2024