



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

Friday, April 5, 2024
WELL WORK PLUGGING PERMIT
Vertical Plugging

GREYLOCK CONVENTIONAL, LLC
500 CORPORATE LANDING

CHARLESTON, WV 25311

Re: Permit approval for 1
47-039-03361-00-00

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: IMPERIAL COAL CO.
U.S. WELL NUMBER: 47-039-03361-00-00
Vertical Plugging
Date Issued: 4/5/2024

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 March 18, , 2024
2) Operator's
Well No. Imperial # 1
3) API Well No. 47-039 - 03361

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

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

5) Location: Elevation 1350 Watershed Greene Branch
District Cabin Creek County Kanawha Quadrangle Montgomery


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

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Office of Oil and Gas
MAR 22 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 3-20-24

04/05/2024

Imperial #1 P&A Procedure:

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, Type I, II or Type IL can be used for cement plugs.
6. **PLUG 1** – Set cement plug from **Approved Tag Depth - 2650'** to cover perfs (2781-2785') and bottom shoe.
7. **PLUG 2** – Set cement plug from **2290 – 2090'** to cover perfs (2191 – 2195). *OK*
 - a. WOC and tag TOC to confirm perfs are covered. Pump another plug if cement fell below 2090'.
8. Free point 4.5" casing, rip and pull pipe.
9. **PLUG 3** – Set 100' plug across casing cut (50' inside, 50' on top)
10. **PLUG 4** –Set balance plug from **1410' – 1300'** to cover elevation
11. **PLUG 5** – Set balance plug from **1060' - 950'** to cover salt sand
12. **PLUG 5** – PUH and set balance plug from **525 – 370'** to cover casing shoe *OK*
13. **PLUG 6** – PUH and set balance plug from **100' - Surface** *Check pH coals*
14. Set monument 30" above ground with Well Name, API and plug date

SET AS ON Plug
OK
Check pH coals
Any 2 Mike
3-20-24

Section	Size	Weight/Grade	Depth	Hole Size	TOC
Surface	8-5/8"	NA	454'	NA	200sks Surface (calculated)
Production	4-1/2"	NA	2905'	NA	150 sks
Tubing	1-1/2"	NA	NA'	NA	NA

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Greylock Conventional LLC

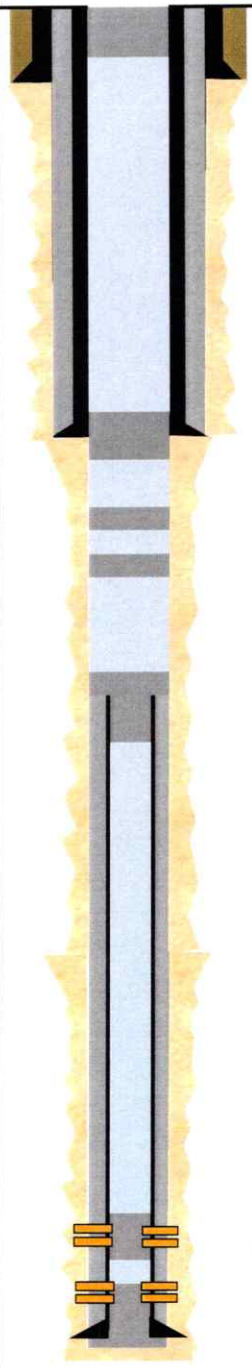
Imperial #1

API #: 4703903361

Casing and Cementing Details

Kanawha County, WV.

Casing Size	Hole Size	Detailed Description
	16"	PLUG 6: 100' surface plug
8-5/8" Casing @ 454'	10 5/8"	PLUG 6: 525 - 375' (covers shoe)
		PLUG 5: 1060' - 950' (covers salt sand)
		PLUG 4: 1410' - 1300' (covers elevation)
		PLUG 3: 100' across casing cut (50' inside, 50' on top)
		PLUG 2: 2290 - 2090'
Perfs @ 2191-2195' Perfs @ 2781-2785'	7 7/8"	PLUG 1: Approved Depth - 2650'
4-1/2" Casing @ 2905'		
Drilled TD @ 2970'		



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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division
WELL RECORD

Quadrant Montgomery 15'
Permit No. KAM-3361

Rotary W U
Cable W U
Recycling W U
Water Flood W U
Disposal W U
(Kind)

Company Allanham & Western Drilling Corp.
Address P.O. Box 2567, Charleston, W.V. 25329
Farm Imperial Coal Company Acres 2438.60
Location (waters) Greene Branch
Well No. 1 Elev. 1360'
District Cabin Creek County Kanawha
The surface of tract is owned in fee by Imperial
Coal Company
Address P.O. Box 773, Charleston, W.V. 25321
Mineral rights are owned by Same
Address _____
Drilling Commenced 10-28-78
Drilling Completed 11-3-78
Initial open flow 0 cu. ft. 0 bbls.
Final production 1 cu. ft. per day 0 bbls.
Well open 12 hrs. before test 340 RP.
Well treatment details:

Casing and Tubing	Used in Drilling	Let. in Well	Cement fill up Cu. ft. (Sbs.)
Size 20-16			
Cond. 13-10"			
9 5/8			
8 5/8		454'	200 sbs.
7			
5 1/2			
4 1/2		2905'	150 sbs.
3			
2			
Lines Used			

Attach copy of cementing record. Halliburton
Logged 7 5/8" open hole from 2400' to 2960'. Perforated 2191-95' w/6 shots,
2781-85' w/6 shots (Total 12 shots). Treated w/ 500 gal. 15% HCl. 30,000# of
80/100 sand; 30,000# 20/40 sand. Total fluid 743 bbls gal water.

Coal was encountered at W/R Feet _____ Inches _____
Fresh water W/R Feet _____ Salt Water _____ Feet _____
Producing Sand Wair Depth 2842-68'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Hard sand rock			0	675		Logged by Basin
Sand & shale			675	1006		
Salt sand			1006	1292		
Little Lime			1292	2424		
Pencil cave			2424	2428		
Big Lime			2428	2670		
Injun			2670	2712		
Shale			2712	2768		
Upper Wair			2768	2806		
Shale			2806	2842		
Lower Wair			2842	2868		
Shale			2868	2911		
				2970		K.B. (logger) T.D. T.D. (driller)

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* Indicates Electric Log tops in the remarks section. (over)

WW-4A
Revised 6-07

1) Date: March 18 2024
2) Operator's Well Number
Imperial # 1
3) API Well No.: 47 - 039 - 03361

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>Imperial Coal Company</u>	Name <u>Imperial Coal Company</u>
Address <u>300 Capitol Street Suite 1401</u>	Address <u>300 Capitol Street Suite 1401</u>
<u>Charleston, WV 25301</u>	<u>Charleston, WV 25301</u>
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Imperial Coal Company</u>
(c) Name _____	Address <u>300 Capitol Street Suite 1401</u>
Address _____	<u>Charleston, WV 25301</u>
6) Inspector <u>Terry Urban</u>	(c) Coal Lessee with Declaration
Address <u>PO Box 1207</u>	Name _____
<u>Clendenin, WV 25045</u>	Address _____
Telephone <u>(304) 549-5916</u>	

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WV Department of
Environmental Protection

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 Reed *6-MAR*
 Its: Asset Development Manager
 Address 500 Corporate Landing
Charleston, WV 25311
 Telephone (304)925-6100

Subscribed and sworn before me this 18th day of March 2024
Melissa A. Knuckles Notary Public
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 depprivacyoffier@wv.gov.

04/05/2024

7022 2410 0002 1377 3386

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<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	\$

Postmark
Here

MAR 22 2024

Postage	\$
Total Postage and Fees	\$

Sent To Imperial Coal Company
 Street and Apt. No., or PO Box No. 300 Capital St. Suite 1401
 City, State, ZIP+4® Charleston WV 25301

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7022 2410 0002 1377 3386

U.S. Postal Service
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<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	\$

Postmark
Here

MAR 22 2024

Postage	\$
Total Postage and Fees	\$

Sent To Imperial Coal Co
 Street and Apt. No., or PO Box No. 300 Capital St Suite 1401
 City, State, ZIP+4® Charleston WV 25301

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

04/05/2024

SURFACE OWNER WAIVER

Operator's Well
Number

Imperial # 4A

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

MAR 22 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,

Signature

Date

Name
By
Its

Date

Signature

Date

04/05/2024

WW-4B

API No. 47-039-03361
Farm Name _____
Well No. Imperial # 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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Office of Oil and Gas
MAR 22 2024
W. Virginia Dept. of
Environmental Protection

WAIVER

The undersigned coal operator _____ / owner X / 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 _____

04/05/2024

WW-9
(5/16)

API Number 47 - 039 - 03361
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) Greene Branch Quadrangle Montgomery

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 TU

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 cutngs 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 G.M. Reed

Company Official (Typed Name) Gavin M. Reed

Company Official Title Asset Development Manager

Subscribed and sworn before me this 18th day of March, 20 24

Melissa A. Knuckles

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

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: Terry Urban signed for by James Kennedy

Comments: _____

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MAR 22 2024
WV Department of
Environmental Protection

Title: inspector Date: 04/3/2024

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): Greene Branch Quad: Montgomery
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

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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.

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: _____

04/05/2024

WW-7
8-30-06



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

API: 47-039-03361 WELL NO.: 1

FARM NAME: Imperial

RESPONSIBLE PARTY NAME: Greylock Conventional, LLC

COUNTY: Kanawha DISTRICT: Cabin Creek

QUADRANGLE: Montgomery Cedar Grove

SURFACE OWNER: Imperial Coal Company

ROYALTY OWNER: Imperial Coal Company

UTM GPS NORTHING: 4220312.66

UTM GPS EASTING: 463520.60 GPS ELEVATION: 1370ft

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.

S. M. R. _____
Signature Title Date

Office of Oil and Gas
MAR 22 2024
Department of Environmental Protection

04/05/2024



www.greylenergy.com
Charleston, WV 25301

March 18, 2024

WV Department of Environmental Protection
601 57TH Street S.E.
Charleston, WV 25304

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. Greyllock Conventional, LLC. wishes to use the Class L option at this time of plugging.

Should you have questions, please do not hesitate to contact me at (304) 925-6100.

Thank you,

Melissa Knuckles
Permitting & Bond Specialist

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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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Office of Oil and Gas
MAR 22 2024
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.

04/05/2024

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

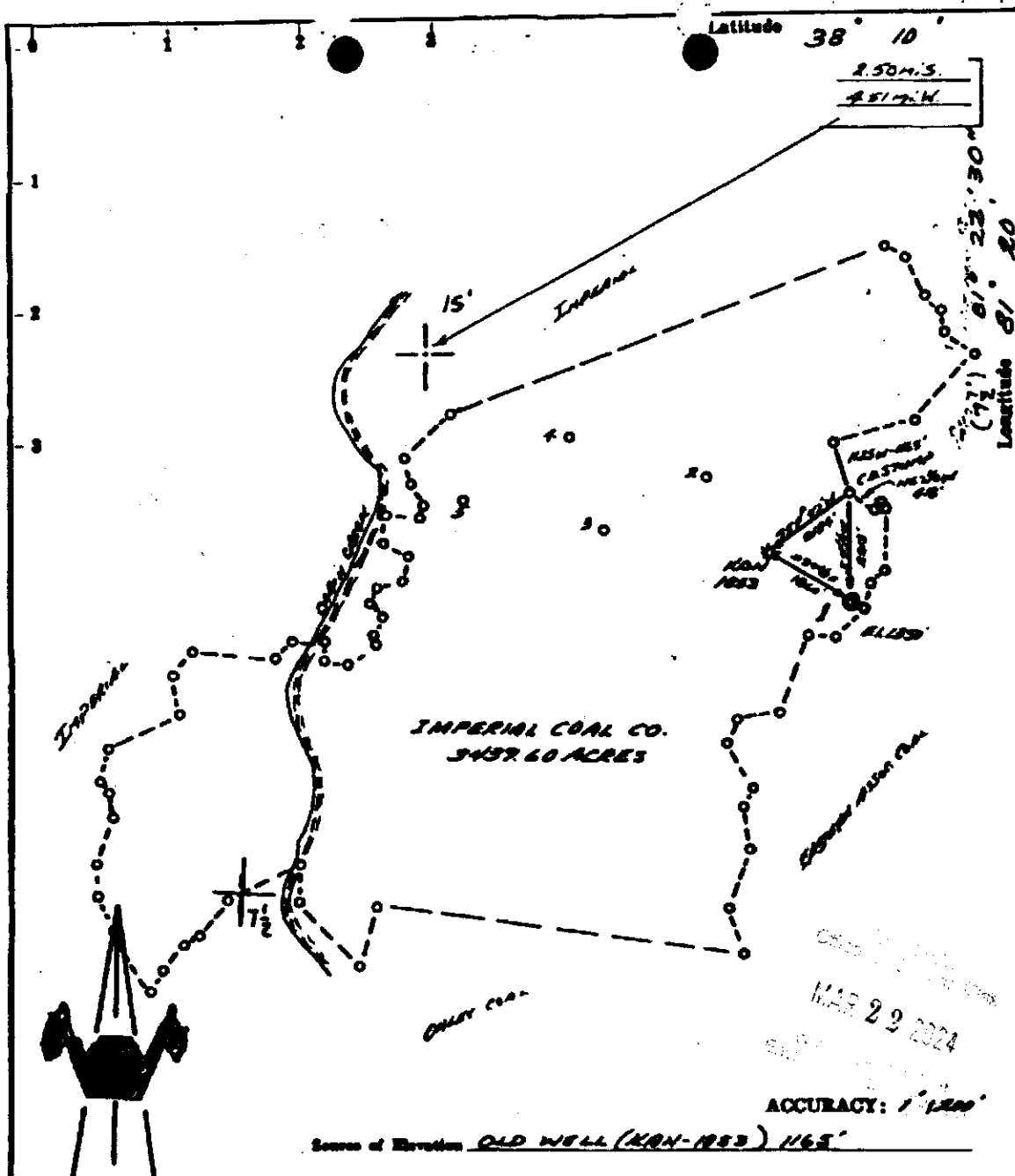
OFFICE OF OIL AND GAS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OF THE STATE OF WEST VIRGINIA



James Martin, Chief
Office of Oil and Gas

RECEIVED
Office of Oil and Gas
MAR 22 2024
WV Department of
Environmental Protection

04/05/2024



- New Location
- Drill Deeper
- Abandonment
- Fracture
- Redrill

Source of Elevation OLD WELL (KAN-1953) 1165'

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Chet Waterman

Company ALLEGANY & WESTERN DRILLING CO.
 Address CHARLESTON, W.VA.
 Farm IMPERIAL COAL CO.
 Tract _____ Acres 3452.60 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 1350
 Quadrangle MANTONARY, CEDAR BRON T4
 County KANAWHA District CABIN CREEK
 Engineer CHET WATERMAN
 Engineer's Registration No. 3788
 File No. 78025-521 Drawing No. _____
 Date 10/20/22 Scale 1" = 2500'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. KAN-3361

+ Denotes location of well on United States Topographic Maps, scale 1 to 25,000, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

47-039

2800' Well

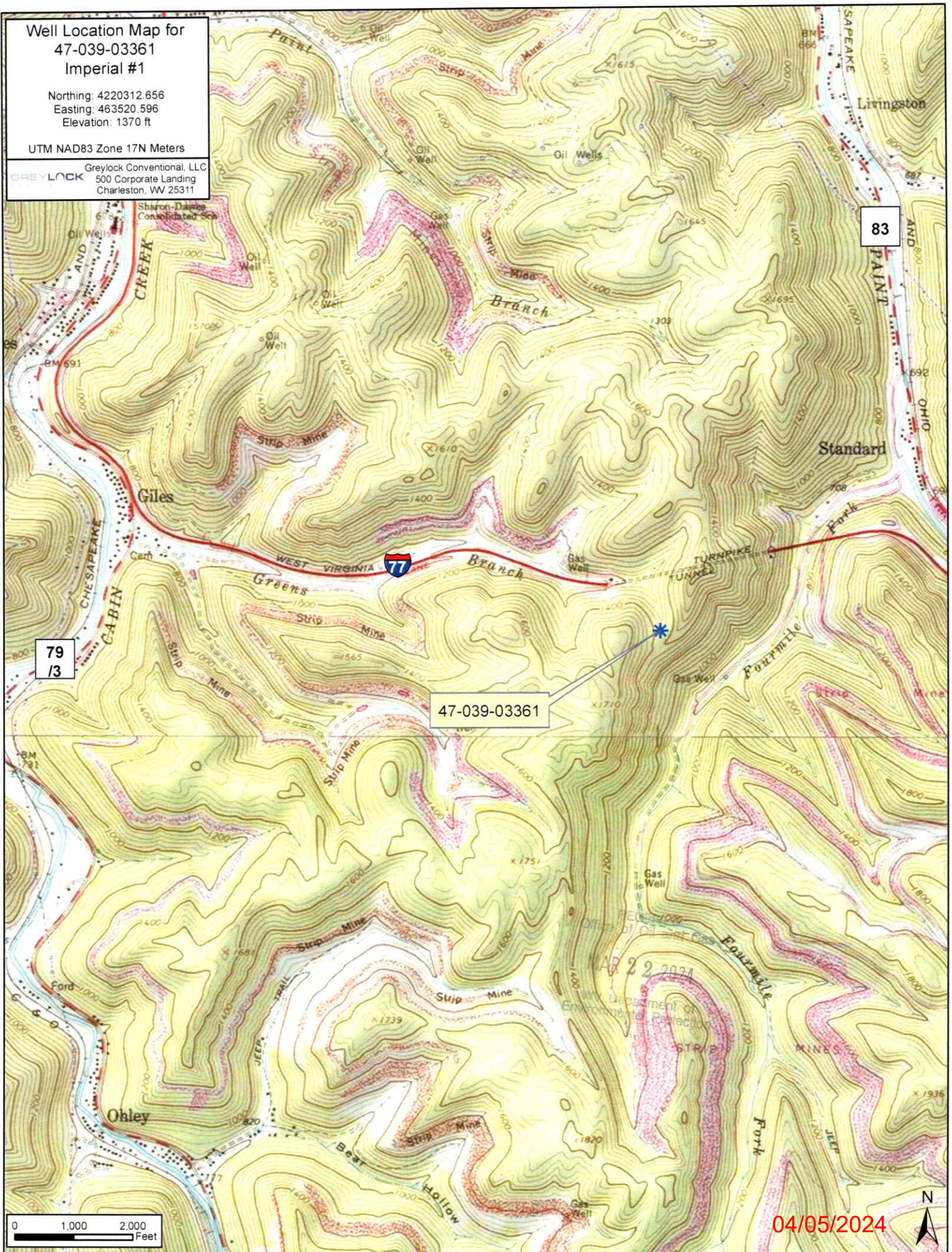
04/05/2024

Well Location Map for
47-039-03361
Imperial #1

Northing: 4220312.656
Easting: 463520.596
Elevation: 1370 ft

UTM NAD83 Zone 17N Meters

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



79
13

47-039-03361

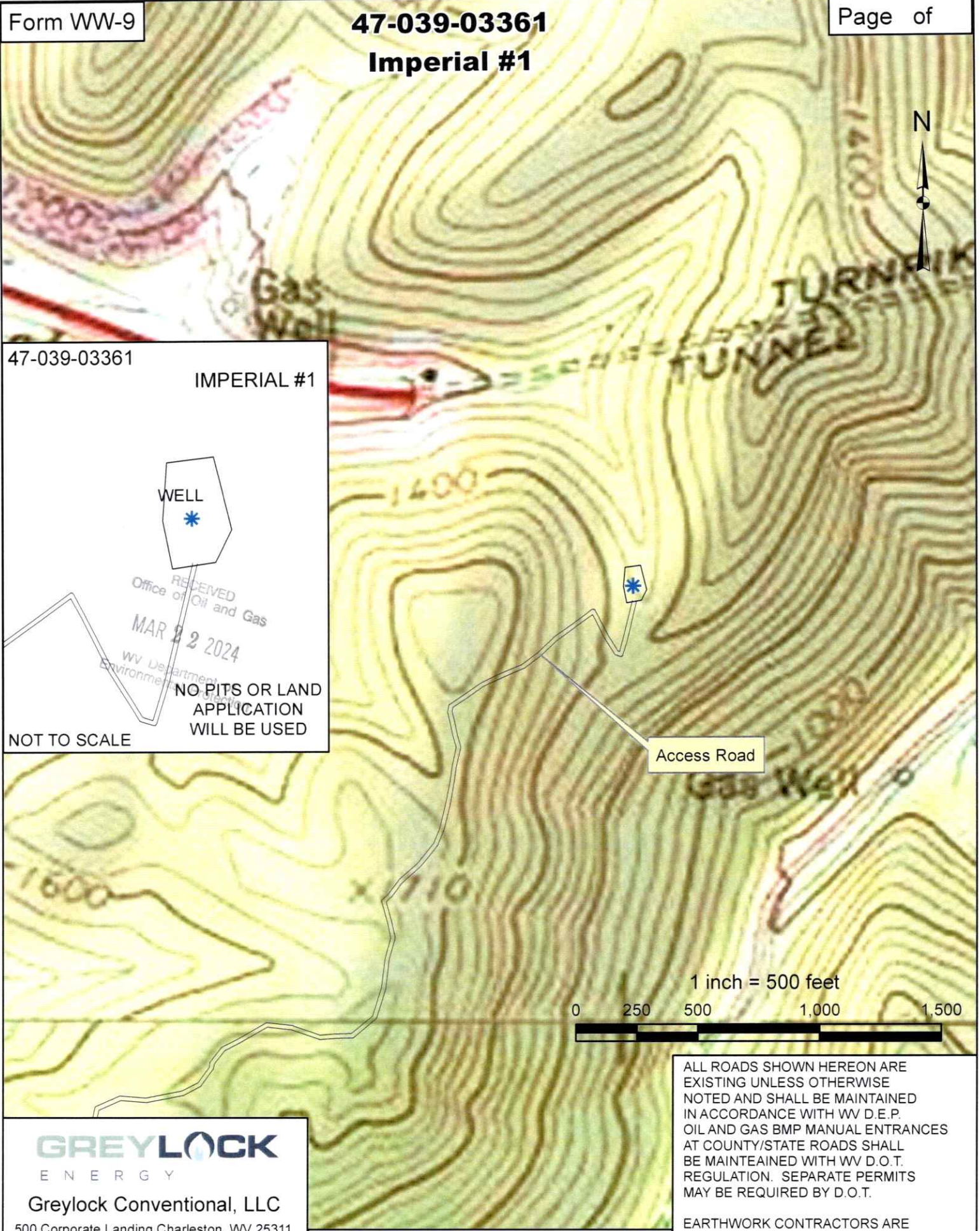
83

0 1,000 2,000
Feet

04/05/2024



Imperial #1



47-039-03361
IMPERIAL #1

WELL
 *

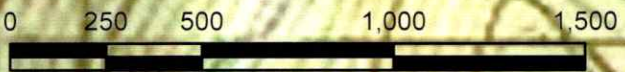
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 WV Department of Environmental Protection

NO PITS OR LAND APPLICATION WILL BE USED

NOT TO SCALE

Access Road

1 inch = 500 feet



GREYLOCK
ENERGY

Greylock Conventional, LLC

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

Date: 2/28/2024

TOPO SECTION OF USGS
CEDAR GROVE 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.

04/05/2024

PLUGGING PERMIT CHECKLIST

Plugging Permit

RECEIVED
Office of Oil and Gas

MAR 22 2024

WV Department of
Environmental Protection

- 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

04/05/2024



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

plugging permits issued 4703903359 03903361

1 message

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

Fri, Apr 5, 2024 at 10:05 AM


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


To whom it may concern, plugging permits have been issued for 4703903359 03903361.

James Kennedy

WVDEP OOG

2 attachments

 **4703903359.pdf**
2809K

 **4703903361.pdf**
2592K

04/05/2024