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west virginia department of environmental protection

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Office of Oil and Gas  
601 57<sup>th</sup> Street, S.E.  
Charleston, WV 25304  
(304) 926-0450  
fax: (304) 926-0452

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

Thursday, April 27, 2023  
WELL WORK PLUGGING PERMIT  
Vertical Plugging

GREYLOCK CONVENTIONAL, LLC  
500 CORPORATE LANDING

CHARLESTON, WV 25311

Re: Permit approval for ECA/YAWKEY 143  
47-045-01928-00-00

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: ECA/YAWKEY 143  
Farm Name: HOMES FOR APPALACHIA  
U.S. WELL NUMBER: 47-045-01928-00-00  
Vertical Plugging  
Date Issued: 4/27/2023

Promoting a healthy environment.

04/28/2023

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4704501928P

## PERMIT CONDITIONS

West Virginia Code § 22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

### CONDITIONS

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1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.

04/28/2023

4704501928

- 1) Date March 1, , 2023
- 2) Operator's  
Well No. ECA Yawkey 143
- 3) API Well No. 47-045 - 01928

**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 1124 Watershed Peach Creek  
District Guyan County Logan Quadrangle Henlawson 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 Brian Warden 9) Plugging Contractor Name R & R Well Services  
Address 49 Elk Creek Road Address 42 Lynch Ridge Road  
Delbarton, WV 25670 Walton, WV 25286

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

**PLEASE SEE ATTACHED**

*9 5/8" CEMENTED TO SURFACE*

*ALL CEMENT MUST BE CLASS A WITH THE EXCEPTION FOR COAL PLUGS, THEN  
CEMENT MUST BE EXPANDING.*

*JWM*

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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

3/27/23

04/28/2023



500 Corporate Landing  
Charleston WV 25311

**ECA Yawkey #143 P&A Procedure:**

*All cement to be class A on 2 BOW*

1. Notify the inspector at least 24 hours prior to conducting abandonment operations.
2. Blow down well
3. POOH with rods and tubing
4. RIH and confirm TD and fill depth. NOTIFY INSPECTOR OF TAG DEPTH
5. Lead with gel spacer on **ALL** cement plugs
6. **PLUG 1** – Set ~~100'~~ <sup>class A</sup> cement plug from (**Approved Tag Depth**) to cover bottom of hole @ 1724' *gwm*
7. **PLUG 2** – PUH and set balance plug from **1570' – 1330'** to cover producing interval @ 1520 – 1430'. *sw @ 1450'*
8. **PLUG 3** – PUH and set balance plug from **1174'-948'** to cover elevation @ 1124' and <sup>SW</sup> freshwater @ 998'
9. **PLUG 4** – PUH and set balance plug from **358' – 258'** to cover 9 5/8<sup>th</sup> casing shoe
10. **PLUG 5** - PUH and set balance plug from <sup>196'</sup> ~~100'~~ <sup>BOW</sup> **surface** to cover surface *expand cart ✓*
11. Set monument 30" above ground with Well Name, API and plug date

Section	Size	Weight/Grade	Depth	Hole Size	TOC
Conductor	13 3/8"	NA	42'	NA	Fill
Surface	9-5/8"	26# R-3	308'	NA	Surface
Open Hole	8 7/8"	NA	1724'	NA	NA
Tubing	2-7/8"	NA	1675'	NA	NA

*Ben W...*  
327 23

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10 March 2008

API # 47-4501928

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas
Well Operator's Report of Well Work

Farm name: Homes of Appalachia

Operator Well No.: ECA/Yawkey 143

LOCATION: Elevation: 1124' Quadrangle: Henlawson
District: Guyan County: Logan
Latitude: 37° 53' 03.7 "
Longitude: 81° 57' 01.6 "

Company: EASTERN AMERICAN ENERGY CORPORATION
501 56th Street
Charleston, WV 25328

Table with 4 columns: Casing & Tubing, Used in Well, Left in Well, Cement Fill Up Cu. Ft.
13-3/8" 42' 42' Driven
9-5/8" 308' 308' 158.05

ETS

Agent: Rod A. Winters

Inspector: Ralph Triplett

Permit Issued: 1/29/2007

Well work commenced: 04/12/2007

Well work completed: 04/17/2008

Verbal plugging

Permission granted on:

Rotary X Cable \_\_\_ Rig

Total Depth (feet): 1725'

Fresh water depths (ft): 45'

Salt-water depths (ft): 998', 1450'

Is coal being mined in area? (Y/N) No

Coal Depths (ft): 35'-37', 138'-141'

Open Flow Data

Gas: Initial open flow 3,489 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests Day
Static rock pressure 220 psi (surface pressure) after 12 Hours

1st Producing Formation Maxton Pay zone depth (ft) 1430' - 1512'
2nd Producing Formation Pay zone depth (ft)
3rd Producing Formation Pay zone depth (ft)
4th Producing Formation Pay zone depth (ft)
5th Producing Formation Pay zone depth (ft)

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NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1) DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2) THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Rod A. Winters, Agent
For: EASTERN AMERICAN ENERGY CORPORATION

By: Designated Agent
Date: 10 March 2008

04/28/2008

FORMATION COLOR, HARD OR SOFT	TOP FEET	BOTTOM FEET
Letdown	0	10
Fill	10	25
Sand	25	35
Coal	35	37
Sand/Shale	37	138
Coal	138	141
Sand/Shale	141	1430
Maxton	1430	1512
Sand/Shale	1512	1654
Little Lime	1654	1725
<b>TD</b>	<b>1725</b>	

**REMARKS**  
Including indication of all fresh & salt  
water, coal, oil & gas

Damp w/ Fresh H<sub>2</sub>O @ 45'

Damp w/Brine @ 998'  
1-1/2" stream Brine @ 1450'

Gas Checks @ 1725' - TD - 3.49  
MMCF

Produced naturally from  
Maxton


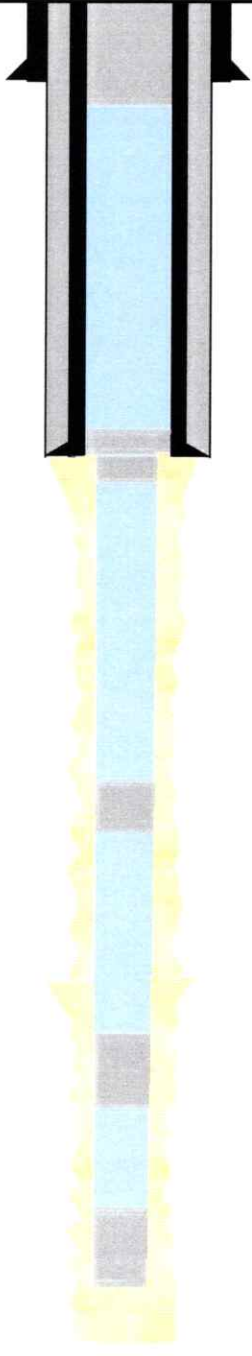
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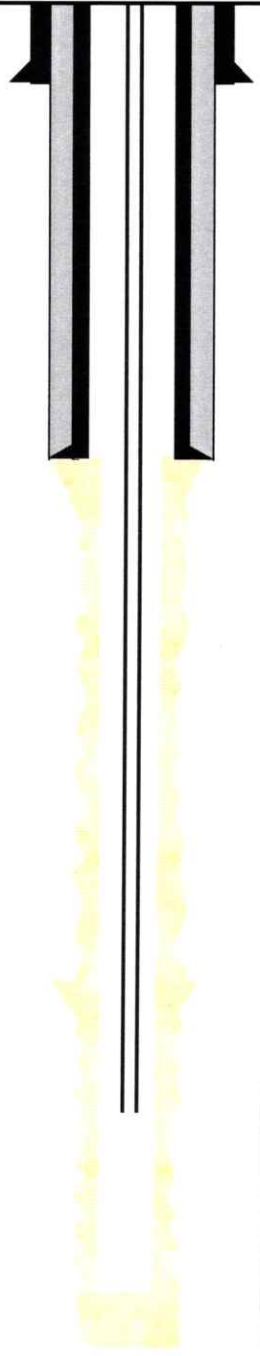
		Greylock Conventional, LLC.
		ECA Yawkey #143
<b>Casing Size</b>	<b>Hole Size</b>	API #: 4704501928
13 3/8" Set @ 42'	8 7/8"	Casing and Cementing Details (Current)
9 5/8" set @ 308'		Logan Co., WV
		<b>Detailed Description</b>
TD 1724'		PLUG 5: 100' Surface <i>191' EXPANDING CEMENT TO SURFACE. JMM</i>
		<i>COAL 35'-37' 138'-141'</i>
		PLUG 4: 358' - 258' (covers casing shoe)
		PLUG 3: 1174' - 948' (covers elevation @ 1124' <sup>SW</sup> <del>FW</del> @ 998')
		<i>1450' → 1 1/2" stream of SW</i>
		PLUG 2: 1570' - 1330' (Covers producing intervals @ 1430 - 1520')
		PLUG 1: 100ft plug (from approved tag depth)

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4704501928P

			Greylock Conventional, LLC.
			ECA Yawkey #143
			API #: 4704501928
			Casing and Cementing Details (Current)
			Logan Co., WV
<b>Casing Size</b>	<b>Hole Size</b>	<b>Detailed Description</b>	
13 3/8" Set @ 42'			
9 5/8" set @ 308'	8 7/8"	9 5/8" cemented to surface	
27/8" @ 1419'			
TD 1724'			

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04/28/2023





- Table Descriptions
- County Code Translations
- Permit-Numbering Series
- Usage Notes
- Contact Information
- Disclaimer
- WVGES Main
- Proline-Plus

Select County: (045) Logan  (Check All)

Enter Permit #: 01928

Get Data  Reset

Select datatypes:  (Check All)

- Location
- Production
- Owner/Completion
- Stratigraphy
- Pay/Show/Water
- Logs
- Plugging
- Sample
- Btm Hole Loc

WV Geological & Economic Survey

Well: County = 45 Permit = 01928 [Link to all digital records for well](#)

Report Time: Thursday, April 27, 2023 11:03:29 AM

Location Information: [View Map](#)

API	COUNTY PERMIT TAX DISTRICT	QUAD_75	QUAD_15	LAT_DD	LON_DD	UTIME	UTMN
4704501928	Logan 1928	Chapmanville/Guyan	Henlawson	Logan	37.884714	-81.950186	416444.9 4193449.4

There is no Bottom Hole Location data for this well

Owner Information:

API	CMP_DT	SUFFIX	STATUS	SURFACE_OWNER	WELL_NUM	CO_NUM	LEASE	LEASE_NUM	MINERAL_OWN	OPERATOR_AT_COMPLETION	PROP_VD	PROP_TRGT_FM	TFM_EST_PR
4704501928	4/17/2008		Original Loc	Completed	Homes for Appalachia Inc	Ecd/Yawkey	143_Yawkey & Freeman		Yawkey & Freeman Heirs	Eastern American Energy Corp.	5100	Devonian Sh	

Completion Information:

API	CMP_DT	SPUD_DT	ELEV DATUM	FIELD	DEEPEST_FM	DEEPEST_FMT	INITIAL_CLASS	FINAL_CLASS	TYPE RIG	CMP_MTHD	TVD	TMD	NEW_FTG	KOD	G_BEF	G_AFT	O_BEF	O_AFT	NGL_BEF	NGL_AFT	P_BEF	P_AFT	TI	L_AFT	BH_	
4704501928	4/17/2008	4/17/2007	1124	Ground Level	Curry-Jeffrey	Little Lime	Maxton	Development Well	Development Well	Rotary	Nat/Open H	1725														

Pay/Show/Water Information:

API	CMP_DT	ACTIVITY	PRODUCT	SECTION	DEPTH_TOP	FM_TOP	DEPTH_BOT	FM_BOT	G_BEF	G_AFT	O_BEF	O_AFT	WATER_QNTY
4704501928	4/17/2008	Water	Fresh Water	Vertical	45								
4704501928	4/17/2008	Water	Salt Water	Vertical	986								
4704501928	4/17/2008	Water	Salt Water	Vertical	1450								
4704501928	4/17/2008	Pay	Gas	Vertical	1430	Maxton	1512	Maxton					

Production Gas Information: (Volumes in Mcf) \* 2022 data for H6A wells only. Other wells are incomplete at this time.

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_GAS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4704501928	Eastern American Energy Corp.	2007	42,858	0	0	0	0	0	0	0	0	0	0	0	0
4704501928	Eastern American Energy Corp.	2008	622	622	0	0	0	0	0	0	0	0	0	0	0
4704501928	Energy Corporation of America	2009	60	5	5	5	5	5	5	5	5	5	5	5	5
4704501928	Energy Corporation of America	2010	60	5	5	5	5	5	5	5	5	5	5	5	5
4704501928	Energy Corporation of America	2011	0	0	0	0	0	0	0	0	0	0	0	0	0
4704501928	Energy Corporation of America	2012	0	0	0	0	0	0	0	0	0	0	0	0	0
4704501928	Energy Corporation of America	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
4704501928	Energy Corporation of America	2014	0	0	0	0	0	0	0	0	0	0	0	0	0
4704501928	Energy Corporation of America	2015	0	0	0	0	0	0	0	0	0	0	0	0	0
4704501928	Energy Corporation of America	2016	0	0	0	0	0	0	0	0	0	0	0	0	0
4704501928	Energy Corporation of America	2017	0	0	0	0	0	0	0	0	0	0	0	0	0
4704501928	Greylock Conventional, LLC	2018	0	0	0	0	0	0	0	0	0	0	0	0	0
4704501928	Greylock Conventional, LLC	2019	0	0	0	0	0	0	0	0	0	0	0	0	0
4704501928	Greylock Conventional, LLC	2020	0	0	0	0	0	0	0	0	0	0	0	0	0
4704501928	Greylock Conventional, LLC	2021	0	0	0	0	0	0	0	0	0	0	0	0	0

Production Oil Information: (Volumes in Bbl) \*\* some operators may have reported NGL under Oil \* 2022 data for H6A wells only. Other wells are incomplete at this time.

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_OIL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4704501928	Eastern American Energy Corp.	2007	0	0	0	0	0	0	0	0	0	0	0	0	0
4704501928	Eastern American Energy Corp.	2008	0	0	0	0	0	0	0	0	0	0	0	0	0
4704501928	Energy Corporation of America	2009	0	0	0	0	0	0	0	0	0	0	0	0	0
4704501928	Energy Corporation of America	2010	0	0	0	0	0	0	0	0	0	0	0	0	0
4704501928	Energy Corporation of America	2011	0	0	0	0	0	0	0	0	0	0	0	0	0
4704501928	Energy Corporation of America	2012	0	0	0	0	0	0	0	0	0	0	0	0	0
4704501928	Energy Corporation of America	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
4704501928	Energy Corporation of America	2014	0	0	0	0	0	0	0	0	0	0	0	0	0
4704501928	Energy Corporation of America	2015	0	0	0	0	0	0	0	0	0	0	0	0	0
4704501928	Energy Corporation of America	2016	0	0	0	0	0	0	0	0	0	0	0	0	0
4704501928	Energy Corporation of America	2017	0	0	0	0	0	0	0	0	0	0	0	0	0
4704501928	Greylock Conventional, LLC	2018	0	0	0	0	0	0	0	0	0	0	0	0	0
4704501928	Greylock Conventional, LLC	2019	0	0	0	0	0	0	0	0	0	0	0	0	0
4704501928	Greylock Conventional, LLC	2020	0	0	0	0	0	0	0	0	0	0	0	0	0
4704501928	Greylock Conventional, LLC	2021	0	0	0	0	0	0	0	0	0	0	0	0	0

Production NGL Information: (Volumes in Bbl) \*\* some operators may have reported NGL under Oil \* 2022 data for H6A wells only. Other wells are incomplete at this time.

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_NGL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4704501928	Energy Corporation of America	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
4704501928	Energy Corporation of America	2014	0	0	0	0	0	0	0	0	0	0	0	0	0
4704501928	Energy Corporation of America	2015	0	0	0	0	0	0	0	0	0	0	0	0	0
4704501928	Energy Corporation of America	2016	0	0	0	0	0	0	0	0	0	0	0	0	0
4704501928	Energy Corporation of America	2018	0	0	0	0	0	0	0	0	0	0	0	0	0
4704501928	Greylock Conventional, LLC	2018	0	0	0	0	0	0	0	0	0	0	0	0	0
4704501928	Greylock Conventional, LLC	2019	0	0	0	0	0	0	0	0	0	0	0	0	0
4704501928	Greylock Conventional, LLC	2020	0	0	0	0	0	0	0	0	0	0	0	0	0
4704501928	Greylock Conventional, LLC	2021	0	0	0	0	0	0	0	0	0	0	0	0	0

Production Water Information: (Volumes in Gallons) \* 2022 data for H6A wells only. Other wells are incomplete at this time.

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_WTR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4704501928	Energy Corporation of America	2018	0	0	0	0	0	0	0	0	0	0	0	0	0
4704501928	Greylock Conventional, LLC	2018	0	0	0	0	0	0	0	0	0	0	0	0	0
4704501928	Greylock Conventional, LLC	2019	0	0	0	0	0	0	0	0	0	0	0	0	0
4704501928	Greylock Conventional, LLC	2020	0	0	0	0	0	0	0	0	0	0	0	0	0
4704501928	Greylock Conventional, LLC	2021	0	0	0	0	0	0	0	0	0	0	0	0	0

4704501928P

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Stratigraphy Information:

API	SUFFIX	FM	FM QUALITY	DEPTH_	DEPTH_	TOP	DEPTH_	QUALITY	THICKNESS	THICKNESS	QUALITY	ELEV	DATUM
4704501928			Well Record	35	Reasonable				2	Reasonable		1124	Ground Level
4704501928			Well Record	138	Reasonable				3	Reasonable		1124	Ground Level
4704501928			Well Record	1430	Reasonable				82	Reasonable		1124	Ground Level
4704501928			Well Record	1654	Reasonable				71	Reasonable		1124	Ground Level

Wireline (E-Log) Information:

- \* There is no Scanned/Paper Log data for this well
- \* There is no Digitized Log data for this well
- \* There is no Scanned or Digital Logs available for download

There is no Plugging data for this well

There is no Sample data for this well

WW-4A  
Revised 6-07

1) Date: March 1, 2023  
 2) Operator's Well Number  
 ECA Yawkey #143  
 3) API Well No.: 47 - 045-01928 - \_\_\_\_\_

**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS**  
**NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL**

4) Surface Owner(s) to be served: (a) Name <u>Homes for Appalachia</u> Address <u>P.O. Box 1372</u> <u>Logan, WV 25506</u> (b) Name _____ Address _____ (c) Name _____ Address _____ _____ 6) Inspector _____ Address _____ Telephone _____	5) (a) Coal Operator Name _____ Address _____ (b) Coal Owner(s) with Declaration Name _____ Address _____ _____ (c) Coal Lessee with Declaration Name _____ Address _____ _____
--	---

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

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

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

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

	RECEIVED
	Office of Oil and Gas
Well Operator <u>Greylock Conventional, LLC.</u>	<u>MAR 29 2023</u>
By: <u>G. M. Reed</u>	
Its: <u>Gavin M. Reed Asset Development Manager</u>	
Address <u>500 Corporate Landing</u>	
<u>Charleston, WV 25311</u>	WV Department of
Telephone <u>(304) 925-6100</u>	Environmental Protection

Subscribed and sworn before me this 23rd day of March  
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).

04/28/2023

4704501928

7012 2920 0000 6497 0489

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**CERTIFIED MAIL™ RECEIPT**  
*(Domestic Mail Only; No Insurance Coverage Provided)*

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

**OFFICIAL USE**

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$



Sent To Homes of Appalachia  
 Street, Apt. No.,  
 or PO Box No. PO Box 1372  
 City, State, ZIP+4 Loan, WV 25506

PS Form 3800, August 2006 See Reverse for Instructions

04/28/2023

**SURFACE OWNER WAIVER**

4704501928P

Operator's Well  
Number

47-045-01928

**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

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**Time Limits and methods for filing comments.** The law requires these materials be served on you 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,  
ETC.

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

Signature

Date

04/28/2023

WW-4B

4704501928 P

API No. 47-045-01928

Farm Name \_\_\_\_\_

Well No. ECA Yawkey # 143

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

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WW-9  
(5/16)

API Number 47 - 045 - 01928  
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) Peach Creek Quadrangle Henlawson 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

ANY WELL EFFLUENT MUST BE CONTAINED IN TANKS AND DISPOSED OFF-SITE

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

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Additives to be used in drilling medium? \_\_\_\_\_

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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) \_\_\_\_\_

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. Reed

Company Official (Typed Name) Gavin M. Reed

Company Official Title Asset Development Manager

Subscribed and sworn before me this 23rd day of March, 20 23

Melissa A. Knuckles

Notary Public

My commission expires July 20, 2025



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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 2 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: Ben Elch

Comments: Realin to DEP standards

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Title: Jingul

Date: 3 27 23

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): Peach Creek Quad: Henlawson 7.5

Farm Name: \_\_\_\_\_

- 1. List the procedures used for the treatment and discharge of fluids. Include a list of all operations that could contaminate the groundwater.

N/A - no discharge of fluids

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

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

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

N/A

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

N/A

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- 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

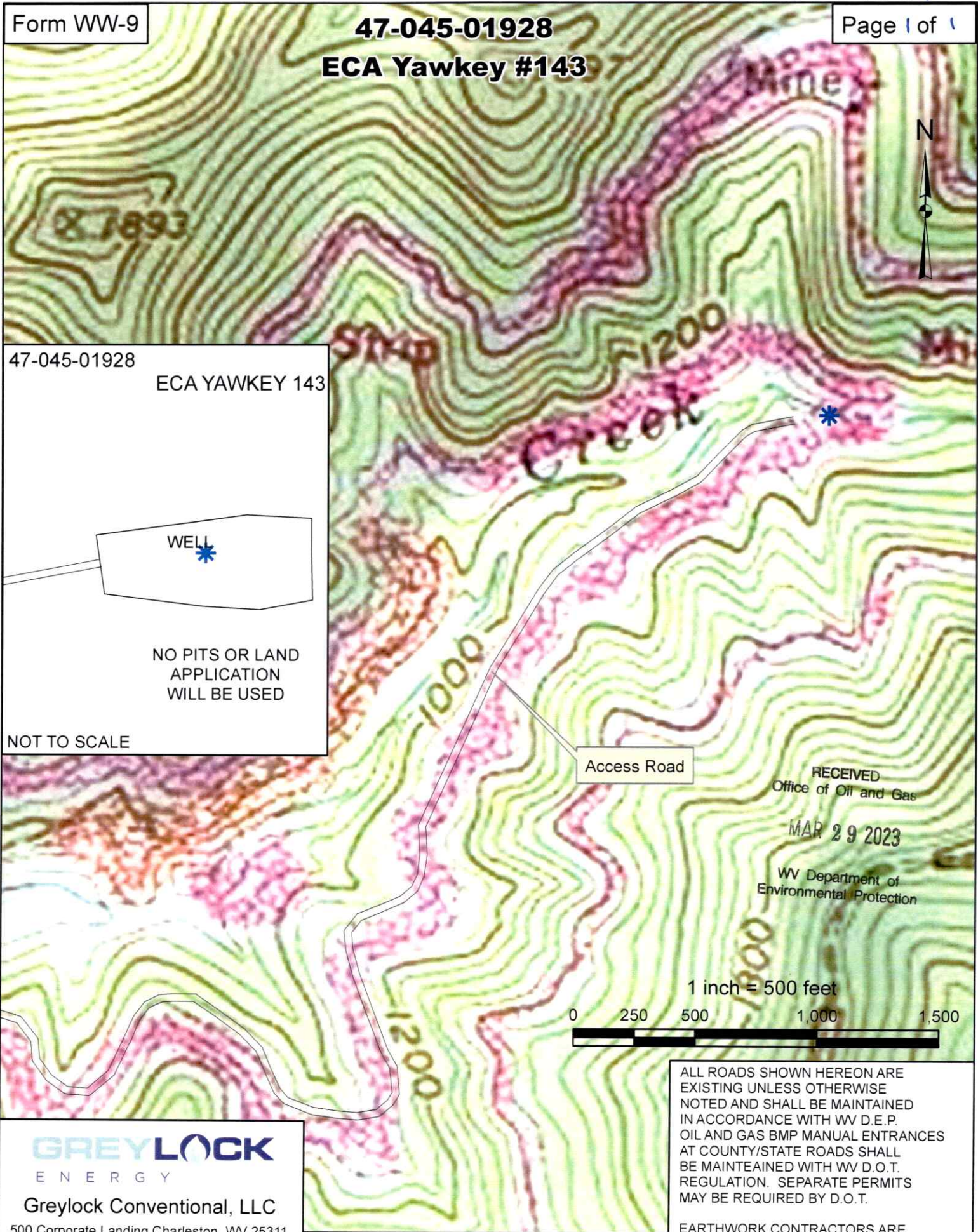
8. Provide provisions and frequency for inspections of all GPP elements and equipment.

Daily inspections of equipment will be preformed

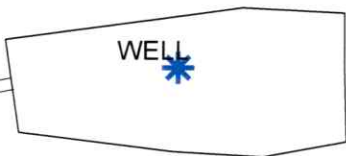
Signature: [Handwritten Signature]

Date: 3 27 23

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47-045-01928  
ECA YAWKEY 143



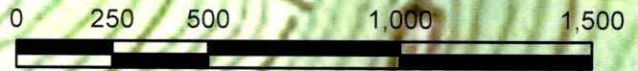
NO PITS OR LAND  
APPLICATION  
WILL BE USED

NOT TO SCALE

Access Road

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1 inch = 500 feet



**GREYLOCK**  
ENERGY

Greylock Conventional, LLC

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

Date: 06/29/21

TOPO SECTION OF USGS  
HENLAWSON 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 PRIOR TO ANY  
PRIOR TO ANY DEVIATION FROM THIS PLAN.

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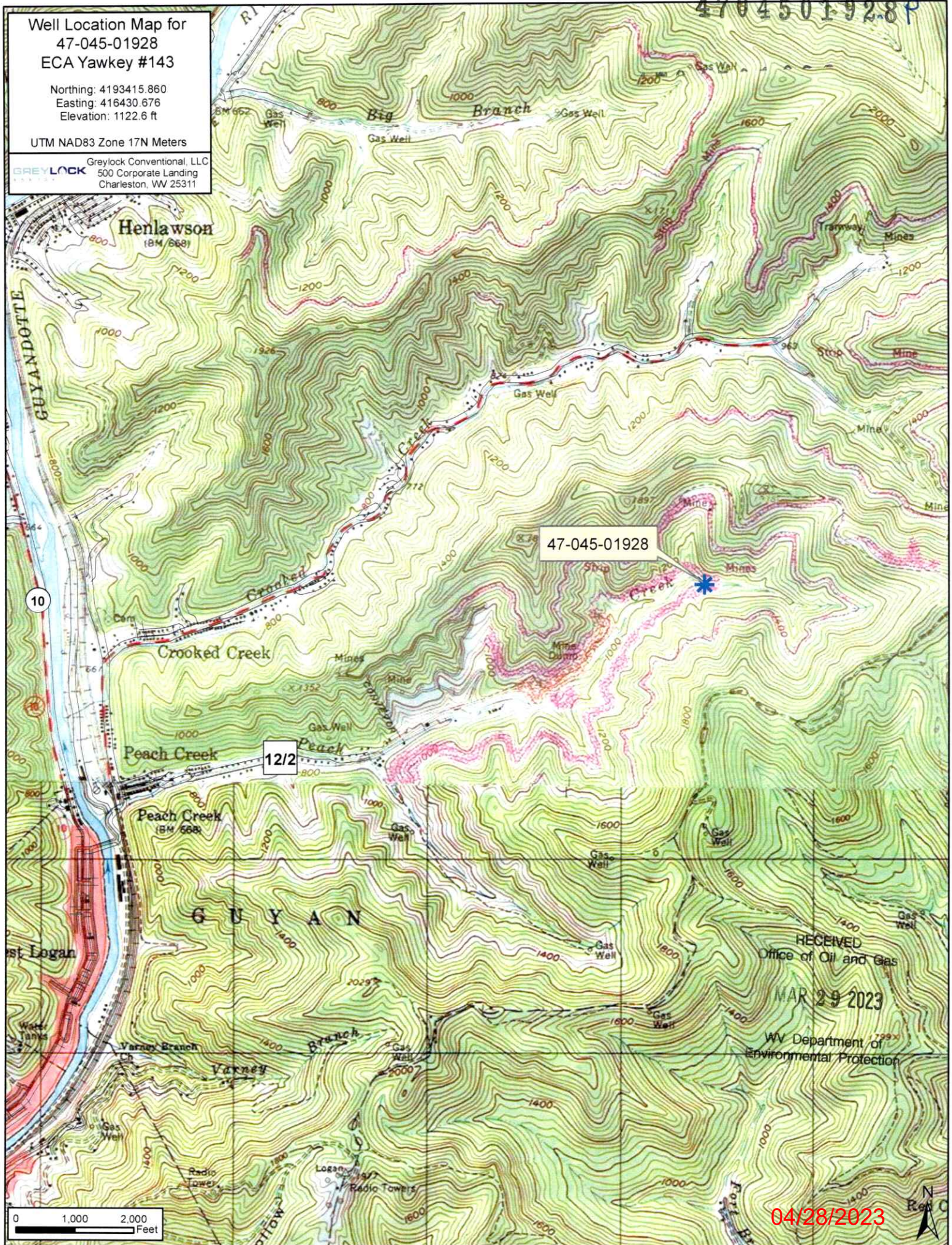
4704501928P

Well Location Map for  
47-045-01928  
ECA Yawkey #143

Northing: 4193415.860  
Easting: 416430.676  
Elevation: 1122.6 ft

UTM NAD83 Zone 17N Meters

Greylock Conventional, LLC  
500 Corporate Landing  
Charleston, WV 25311



47-045-01928

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WW-7  
8-30-06



West Virginia Department of Environmental Protection  
Office of Oil and Gas

**WELL LOCATION FORM: GPS**

API: 47-045-01928 WELL NO.: 143

FARM NAME: Yawkey Freeman

RESPONSIBLE PARTY NAME: Greylock Conventional LLC

COUNTY: Logan DISTRICT: Guyan

QUADRANGLE: Henlawson

SURFACE OWNER: Homes for Appalachia

ROYALTY OWNER: Homes for Applachaia

UTM GPS NORTHING: 4193415.86

UTM GPS EASTING: 416430.676 GPS ELEVATION: 1123ft

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. [Signature]  
Signature

Asset Development Manager  
Title

03/23/2023  
Date

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04/28/2023



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

**Fwd: Message from KM\_C450i**

2 messages

**McLaughlin, Jeffrey W** <jeffrey.w.mclaughlin@wv.gov>  
To: mknuckles@greylockenergy.com, Brian Warden <brian.warden@wv.gov>  
Cc: James P Kennedy <james.p.kennedy@wv.gov>

Thu, Apr 27, 2023 at 12:06 PM

ALL,


Please find attached the newly issued plugging permit for ECA/YAWKEY 143 (API No. 47-045-01928).

Regards,

Jeff McLaughlin, Technical Analyst  
WV DEP, Office of Oil and Gas

----- Forwarded message -----

From: <Copy.Center.2064@wv.gov>  
Date: Thu, Apr 27, 2023 at 11:54 AM  
Subject: Message from KM\_C450i  
To: <jeffrey.w.mclaughlin@wv.gov>

 **SKM\_C450i23042711540.pdf**  
1482K

**Warden, Brian** <brian.warden@wv.gov>  
To: "McLaughlin, Jeffrey W" <jeffrey.w.mclaughlin@wv.gov>  
Cc: James P Kennedy <james.p.kennedy@wv.gov>, mknuckles@greylockenergy.com

Thu, Apr 27, 2023 at 12:30 PM

Received, thank you.

[Quoted text hidden]

04/28/2023