



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, March 24, 2023

WELL WORK PLUGGING PERMIT
Vertical Plugging

GREYLOCK CONVENTIONAL, LLC
500 CORPORATE LANDING

CHARLESTON, WV 25311

Re: Permit approval for ECA 5
47-101-00109-00-00

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: POLINO ENTERPRISES
U.S. WELL NUMBER: 47-101-00109-00-00
Vertical Plugging
Date Issued: 3/24/2023

Promoting a healthy environment.

04/07/2023

PERMIT CONDITIONS 47 1 0 1 0 0 1 0 9

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.

04/07/2023

4710100109

- 1) Date March 1, 2023
- 2) Operator's Well No. ECA#5
- 3) API Well No. 47-101 - 00109

**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 1144 Watershed Elk River
District Holly County Webster Quadrangle Diana 7.5

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

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

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

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

Work order approved by inspector  Date 3-6-23


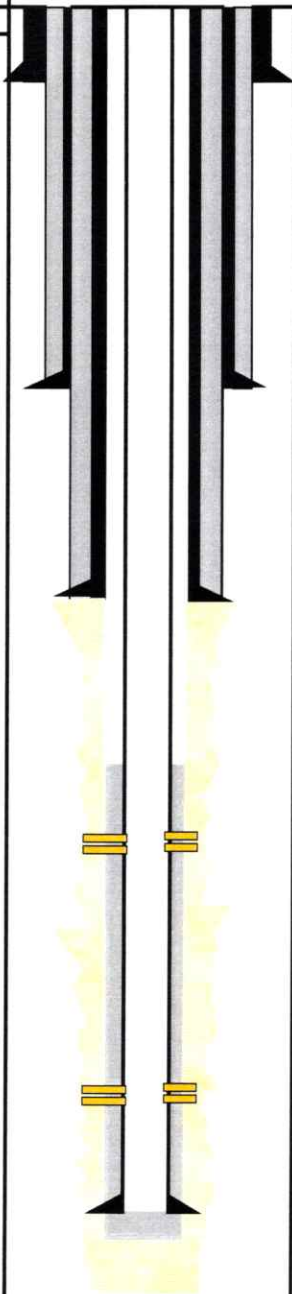
04/07/2023

ECA #5 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 with gel spacer on **ALL** cement plugs
6. **PLUG 1** –Set 100' cement plug from Approved Tag Depth to cover casing shoe
7. **PLUG 2** – PUH and set balance plug from 3450' – 3350' to cover perfs @ 3405'
8. **PLUG 3** – PUH and set balance plug from 1600' – 1450' to cover perfs @ 1535'
9. Free point 4.5" casing, rip and pull pipe. Note: Pull pipe after cement plugs below are set
10. **PLUG 4 casing cut** – Set 100' plug across casing cut. ETOC @ 1100'
11. **PLUG 5** – PUH and set balance plug from 1090 - 990' to cover shoe @ 1040'
12. **PLUG 6** – PUH and set balance plug from 650' – 550' to cover salt @ 650'
13. **PLUG 7** – PUH and set balance plug from 370' – 270' to cover shoe @ 321'
14. **PLUG 8** – PUH and set balance plug from 100'-surface to cover surface plug
15. Set monument 30" above ground with Well Name, API and plug date


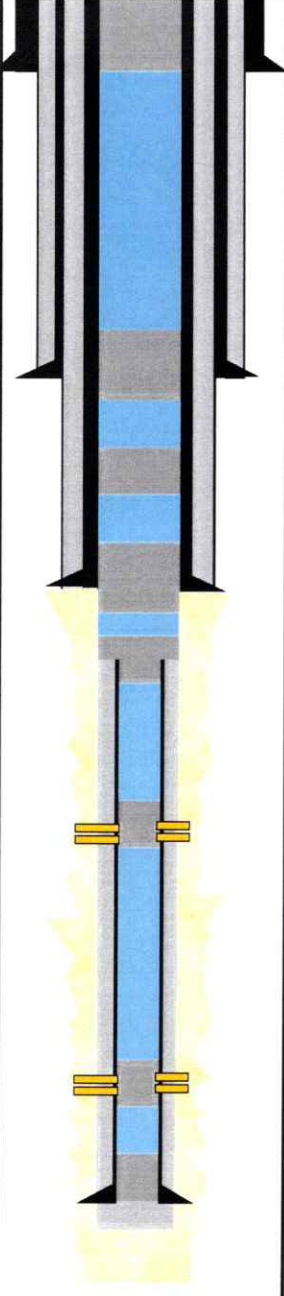
Section	Size	Weight/Grade	Depth	Hole Size	Cement Cu. Ft.
Conductor	13 3/8"	NA	32'	NA	Driven
Surface	9-5/8"	26#	321'	12 3/8"	185 Cu ft. (surface)
Intermediate	7"	23#	1040'	8 7/8"	248 Cu ft. (surface)
Production	4-1/2"	11.6#	3766'	6 1/2"	365 Cu ft. (ETOC ~1100')

4710100109

			Greylock Conventional, LLC.	
			ECA #5	
			API #: 4710100109	
			Casing and Cementing Details (Current)	
			Webster Co., WV	
Casing Size		Hole Size	Detailed Description	
13 3/8" Set @ 32'				
9 5/8" set @ 321'				Cemented 9 5/8"s to surface
7" set @ 1040'				Cemented 7" to surface
Perfs @ 1545 - 1535'				4 1/2" ETOC ~ 1100'
Perfs @ 3410 - 3405'				
4 1/2" set @ 3766' TD 3805'				

04/07/2023

4710100109

		Greylock Conventional, LLC.	
		ECA #5	
		API #: 4710100109	
		Casing and Cementing Details (Current)	
		Webster Co., WV	
Casing Size		Hole Size	Detailed Description
13 3/8" Set @ 32'		PLUG 8: 125 - surface (Fresh water and surface plug)	
9 5/8" set @ 321'		Cemented 9 5/8"s to surface PLUG 7: 370 - 270 (covers casing shoe)	
7" set @ 1040'		PLUG 6: 650-550 (covers salt water @ 650) Cemented 7" to surface PLUG 5: 1090 - 990' (covers casing shoe)	
Perfs @ 1545 - 1535'		PLUG 4: 100' plug across casing cut (ETOC @ 1100')	
Perfs @ 3410 - 3405'		PLUG 3: 1600 - 1450 (covers perfs)	
4 1/2" set @ 3766' TD 3805'	PLUG 2: 3450 - 3350' (covers perfs) PLUG 1: 100' plug from approved tag depth (covers casing shoe)		

04/07/2023

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

47 10107010099

Farm name: Polino Enterprises

Operator Well No.: ECA 5

LOCATION: Elevation: 1144' Quadrangle: Diana 7.5
 District: Holly County: Webster
 Latitude: 38° 36' 40.6 "
 Longitude: 80° 29' 57.0 "

Company: EASTERN AMERICAN ENERGY CORPORATION
 501 56th Street
 Charleston, WV 25304

Casing & Tubing	Used in Well	Left in Well	Cement Fill Up Cu. Ft.
13-3/8"	32'	32'	Driven
9-5/8"	321'	321'	
7"	1040'	1040'	248.7
4-1/2"	3766'	3766'	366.6

Agent: Rod Winters

Inspector: Craig Duckworth

Permit Issued: 03/13/2007

Well work commenced: 03/21/07

Well work completed: 4/12/07

Verbal plugging

Permission granted on:

Rotary Cable Rig

Total Depth (feet): 3805'

Fresh water depths (ft): 105'

Salt-water depths (ft): 650'

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

Coal Depths (ft): N/a

Open Flow Data

Gas: Initial open flow Odor MCF/d Oil: Initial open flow 0 Bbl/d
 Final open flow 70 MCF/d Final open flow 0 Bbl/d

Time of open flow between initial and final tests Days

Static rock pressure 300 psi (surface pressure) after 3 Days

1 st Producing Formation	<u> </u> Benson	Pay zone depth (ft)	<u> </u> 3405' - 3410'
2 nd Producing Formation	<u> </u> 5 th Sand	Pay zone depth (ft)	<u> </u> 1535' - 1545'
3 rd Producing Formation	<u> </u>	Pay zone depth (ft)	<u> </u>

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.

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

By: Designated Agent
Date: 12 June 2008

STAGE TWO: 5th Sand

20 Holes 1535' - 1545'

Clear Fluid Frac 34,607 lbs sand. 44.7 Mcf N2

4710100109

ECA 5 WR35

FORMATION COLOR, HARD OR SOFT	TOP FEET	BOTTOM FEET
Driller's Log		
Let Down	0	6
Clay Dirt	6	8
Sandy Shale	8	25
Sand	25	81
Sandy shale	81	105
Sand(hard)	105	170
Sandy Shale	170	290
Red Rock	290	350
Sandy Shale	350	650
Maxton Sands	650	710
L. Lime	710	762
Blue Monday	762	816
Big Lime	816	1032
Big Injun	1032	1100
Sandy Shale	1100	1195
Gantz	1195	1210
Sandy Shale	1210	1508
Sand	1508	1542
Sandy Shale	1542	3608
Benson	3608	

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

1" Fresh H2O @ 105'
1" Brine stream @ 650', 960'
¼" stream Brine @ 1565'

Gas Checks:

1095' No show
1565' Odor
1725' No Show
3525' No Show
TD Odor

Open Hole Log

Maxton	507	553
Little Lime	706	748
Blue Monday	748	803
Big Lime	803	1022
Big Injun	1022	1075
Gantz	1149	1167
Gordon	1262	1363
Fifth Sand	1500	1548
Elizabeth	1708	1792
Benson	3392	3414
Loggers TD	3805	

04/07/2023

4710100109

ECA 5 WR35

STAGE ONE: Benson

20 Holes 3405'-3410'
60Q Foam Frac 26,330 lbs sand. 298.8 Mcf N2

STAGE TWO: 5th Sand

20 Holes 1535' - 1545'
Clear Fluid Frac 34,607 lbs sand. 44.7 Mcf N2

04/07/2023

4710100109

WW-4A
Revised 6-07

1) Date: March 1, 2023
2) Operator's Well Number
ECA # 5
3) API Well No.: 47 - 101 - 00109

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>Polino Enterprises</u>	Name _____
Address <u>PO Box Box 230, Elkins, WV 26241</u>	Address _____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name _____
(c) Name _____	Address _____
Address _____	Name _____
6) Inspector _____	(c) Coal Lessee with Declaration
Address _____	Name _____
Telephone _____	Address _____

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

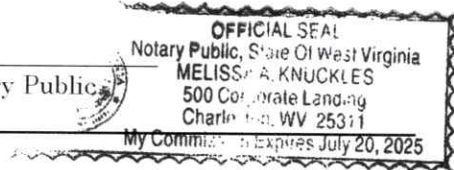
- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

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

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

Well Operator Greylock Conventional, LLC.
 By: G. M. 124
 Title: Asset Development Manager
 Address 500 Corporate Landing
Charleston, WV 25311
 Telephone (304) 925-6100

Subscribed and sworn before me this 1st day of March
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 depprivacyofficer@wv.gov.

04/07/2023

EYLOCK
R G Y

500 Corporate Landing
Charleston, WV 25311

4710100109

7019 1120 0001 1698 6738

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 app. applies)

Return Receipt (hardcopy) \$ _____

Return Receipt (electronic) \$ _____

Certified Mail Restricted Delivery \$ _____

Adult Signature Required \$ _____

Adult Signature Restricted Delivery \$ _____

Postage \$ _____

Total Postage and Fees \$ _____

Postmark Here

Sent To **Polino Enterprises**

Street and Apt. No. **PO Box 230**

City, State, Zip+4® **Elkins W 26241**

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

Polino Enterprises
PO. Box 230
Elkins, WV 26241



04/07/2023

EYLOCK

R G Y

500 Corporate Landing
Charleston, WV 25311

47 1 0 1 0 0 1 0 9



7019 1120 0001 1698 6738

Polino Enterprises
P.O. Box 230
Elkins, WV 26241

04/07/2023

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:

*Polino Enterprises
PO Box 230
Elkins, WV 26241*



9590 9402 5486 9249 1572 39

2. Article Number (Transfer from service label)

7019 1120 0001 1698 6738

PS Form 3811, July 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent

B. Received by (Printed Name) Addressee

C. Date of Delivery

D. Is delivery address different from item 1? Yes

If YES, enter delivery address below: No

3. Service Type

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

Domestic Return Receipt

4710100109

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

For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

7019 1120 0001 1698 6738

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

Postmark
Here

Postage	
\$	
Total Postage and Fees	
\$	

Sent To Polino Enterprises	
Street and Apt. No. or PO Box No. PO Box 230	
City, State, ZIP+4® ELKINS W 26241	

04/07/2023

WW-9
(5/16)

4710100109

API Number 47 - 101 - 00109
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) Elk River Quadrangle Diana 7.5

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes No

Will a pit be used? Yes No

If so, please describe anticipated pit waste: _____

Will a synthetic liner be used in the pit? Yes No If so, what ml.? _____

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- Underground Injection (UIC Permit Number _____)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain _____)

Will closed loop system be used? If so, describe: Yes, tank returns at tanks

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

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

Additives to be used in drilling medium? _____

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. No cuttngs 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 15th day of March, 20 23

Melissa A. Knuckles

My commission expires July 20, 2025

Notary Public



04/07/2023

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: 

Comments: _____

Title: inspector OOG

Date: 3-6-23

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): Elk River Quad: Diana 7.5

Farm Name: _____

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

N/A - no discharge of fluids

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

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

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

N/A

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

N/A

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

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: B. M. [Signature]

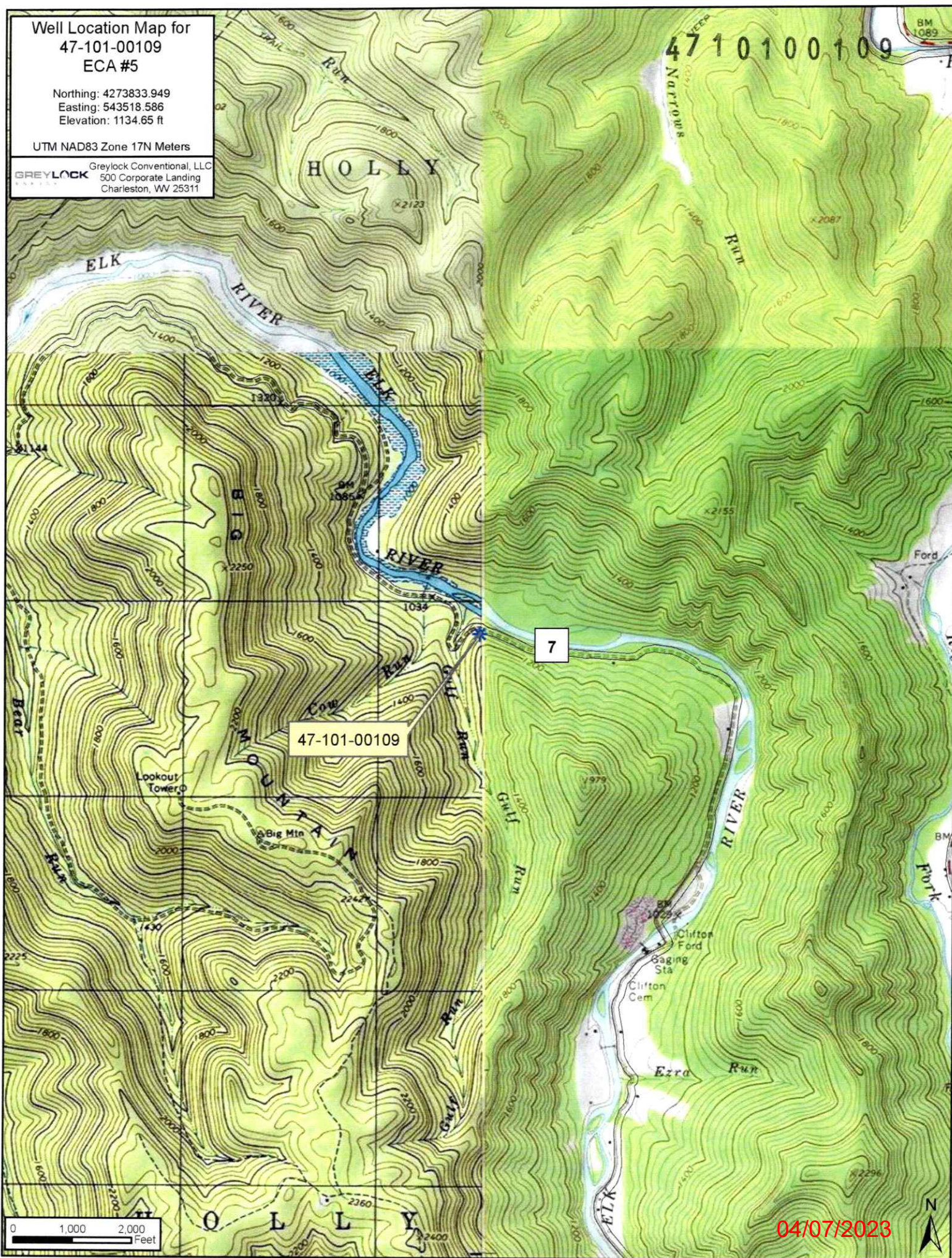
Date: 3/17/2023

Well Location Map for
47-101-00109
ECA #5

Northing: 4273833.949
Easting: 543518.586
Elevation: 1134.65 ft

UTM NAD83 Zone 17N Meters

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



04/07/2023

ECA #5

47 101 001 09



Access Road

7

1 inch = 500 feet

0 250 500 1,000 1,500

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
ERBACON 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.

04/07/2023

WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-101-00109 WELL NO.: 5

FARM NAME: ECA

RESPONSIBLE PARTY NAME: Greylock Conventional LLC

COUNTY: Webster DISTRICT: Holly

QUADRANGLE: Erbacon

SURFACE OWNER: Polino Enterprises

ROYALTY OWNER: ACE MH LLC

UTM GPS NORTHING: 4273833.95

UTM GPS EASTING: 543518.59 GPS ELEVATION: 1,135ft

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. Q
Signature

Asset Development Manager

Title

03/01/2023

Date

04/07/2023

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

WW-4B

47 1 0 1 0 0 1 0 9

API No. 47-101-00109
Farm Name _____
Well No. ECA # 5

**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 _____

04/07/2023

SURFACE OWNER WAIVER

47 1 0 1 0 0 1 0 9

Operator's Well
Number

47-1010--00109

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A

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

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

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

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

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

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

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

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

VOLUNTARY STATEMENT OF NO OBJECTION

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

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

FOR EXECUTION BY A NATURAL PERSON
ETC.

FOR EXECUTION BY A CORPORATION,

	Date	Name	
Signature		By	
		Its	Date

Signature

Date

04/07/2023

4710100109

WR-35

29 April 2008

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

API # 47-10100109

Farm name: Polino Enterprises

Operator Well No.: ECA 5

LOCATION: Elevation: 1144' Quadrangle: Diana 7.5
District: Holly County: Webster
Latitude: 38° 36' 40.6 "
Longitude: 80° 29' 57.0 "

Company: EASTERN AMERICAN ENERGY CORPORATION
501 56th Street
Charleston, WV 25304

Casing & Tubing	Used in Well	Left in Well	Cement Fill Up Cu. Ft.
13-3/8"	32'	32'	Driven
9-5/8"	321'	321'	
7"	1040'	1040'	248.7
4-1/2"	3766'	3766'	366.6

Agent: Rod Winters

Inspector: Craig Duckworth

Permit Issued: 03/13/2007

Well work commenced: 03/21/07

Well work completed: 4/12/07

Verbal plugging

Permission granted on:

Rotary Cable Rig

Total Depth (feet): 3805'

Fresh water depths (ft): 105'

Salt-water depths (ft): 650'

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

Coal Depths (ft): N/a

Open Flow Data

Gas: Initial open flow	Odor	MCF/d	Oil: Initial open flow	0	Bbl/d
Final open flow	70	MCF/d	Final open flow	0	Bbl/d
Time of open flow between initial and final tests			Days		
Static rock pressure	300	psi	(surface pressure) after	3	Days
1 st Producing Formation	Benson		Pay zone depth (ft)	3405'- 3410'	
2 nd Producing Formation	5 th Sand		Pay zone depth (ft)	1535'- 1545'	
3 rd Producing Formation			Pay zone depth (ft)		

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.

Rodney A. Winters *[Signature]*, Agent
For: EASTERN AMERICAN ENERGY CORPORATION

By: Designated Agent
Date: 12 June 2008

04/07/2023

FORMATION COLOR, HARD OR SOFT	TOP FEET	BOTTOM FEET
Driller's Log		
Let Down	0	6
Clay Dirt	6	8
Sandy Shale	8	25
Sand	25	81
Sandy shale	81	105
Sand(hard)	105	170
Sandy Shale	170	290
Red Rock	290	350
Sandy Shale	350	650
Maxton Sands	650	710
L. Lime	710	762
Blue Monday	762	816
Big Lime	816	1032
Big Injun	1032	1100
Sandy Shale	1100	1195
Gantz	1195	1210
Sandy Shale	1210	1508
Sand	1508	1542
Sandy Shale	1542	3608
Benson	3608	

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

1" Fresh H2O @ 105'
1" Brine stream @ 650', 960'
1/4" stream Brine @ 1565'

Gas Checks:

1095' No show
1565' Odor
1725' No Show
3525' No Show
TD Odor

Open Hole Log

Maxton	507	553
Little Lime	706	748
Blue Monday	748	803
Big Lime	803	1022
Big Injun	1022	1075
Gantz	1149	1167
Gordon	1262	1363
Fifth Sand	1500	1548
Elizabeth	1708	1792
Benson	3392	3414
Loggers TD	3805	



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

plugging permits issued 471010097 10100109 10100114

1 message

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

Fri, Mar 24, 2023 at 11:18 AM


To: "Knuckles, Melissa" <mknuckles@greylockenergy.com>, Jeremy E James <jeremy.e.james@wv.gov>, mcochran@assessor.state.wv.us


To whom it may concern, plugging permits have been issued for 471010097 10100109 10100114.


James Kennedy

WVDEP OOG

6 attachments

 **IR-8 4710100114.pdf**
120K

 **IR-8 4710100109.pdf**
120K

 **ir-8 471010097.pdf**
120K

 **471010097.pdf**
3447K

 **4710100109.pdf**
3191K

 **4710100114.pdf**
3025K

04/07/2023