



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

Wednesday, August 13, 2025
WELL WORK PLUGGING PERMIT
Vertical Plugging

NNE RESOURCES LLC
707 VIRGINIA STREET EAST, SUITE 1200

CHARLESTON, WV 25301

Re: Permit approval for CORDRAY 4
47-061-01750-00-00

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: CORDRAY 4
Farm Name: EDDY, MARK AND BETTY
U.S. WELL NUMBER: 47-061-01750-00-00
Vertical Plugging
Date Issued: 8/13/2025

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.

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WW-4B
Rev. 2/01

WV Department of
Environmental Protection

1) Date _____, 20____
2) Operator's
Well No. Cordray 4
3) API Well No. 47-001 - 01728

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 1380 Watershed Dunkard Creek
District Clay County Monongalia Quadrangle Blacksville
- 6) Well Operator NNE Resources LLC 7) Designated Agent Hollie Medley
Address 707 Virginia Street E, Ste 1200 Address 48 Donley Street, Ste 601
Charleston, WV 25301 Morgantown, WV 26501
- 8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Gayne Knitowski Name TBD
Address PO Box 108 Address _____
Gorman, WV 26720

- 10) Work Order: The work order for the manner of plugging this well is as follows:
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 Gayne Knitowski Date 7-21-2025
Digitally signed by Gayne Knitowski
Date: 2025.07.21 08:30:13 -04'00'

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Cordray 4 – Plugging Procedure
Clay District, Monongalia County, WV
API Number: 47-061-01750

Introduction

Approval is requested to perform the initial plugging on Cordray 4 well. Cordray 4 is a vertical shallow well located in Clay District, Monongalia County, WV. The Cordray 4 is not a producing well and it is recommended to be plugged and abandoned.

There are no existing well records for Cordray 4 at the field or state level. Offset wells previously plugged by NNE (DJ Eddy 7, 11, 12, 13, 14, and 16) along with limited information about the Cordray 4 well were used to develop this procedure. The offset wells used were drilled nearby and targeted the same production interval as the Cordray 4 well. As plugging operations commence and new information is obtained, the assumed depths and procedure will be adjusted and communicated to the state inspector.

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Well Data

Well records are limited for Cordray 4, however due to the target formation and its vicinity to previous wells plugged by NNE (DJ Eddy 7, 11, 12, 13, 14, and 16), the wellbore is expected to be of similar construction and design. The Cordray 4 was completed in 1990 in Clay District, Monongalia County, WV. It was drilled to the Big Injun formation to a depth between 1,800 ft - 2,400 ft. Below is the anticipated wellbore configuration based on offsets listed above.

Offsets Range

Casing	Estimated Depth (ft)	Comments
Conductor	14 - 27	Based on offsets
10" Casing	0, 600 - 765	Based on offsets
8 1/4" Casing	0, 630 - 1,609	Based on offsets
6 5/8" Casing	1457 - 1,799	Based on offsets
5 3/16" Casing	1657 - 1,995	Based on offsets
Formation	Estimated Depth (ft)	Comments
Pittsburgh Coal	834	Based on Coal Maps
Top of Big Injun	1,800	Assumed based on available information
1st Pay	--	No records, assumed to be around 1,958 ft - 2,145 ft
Total Depth	1,800 - 2,400	Assumed based on available information

Capacities

All capacities are estimated and assumed casing sizes based on offset wells due to lack of information on the Cordray 4 wellbore construction.

Size (in)	Weight (lb/ft)	Capacity (gal/ft)	Capacity (bbls/ft)	Capacity (cu ft/ft)
10*	N/A	4.192	0.0998	0.5603
8-1/4*	N/A	2.738	0.0652	0.3659
6-5/8	20.0	1.536	0.0365	0.2052
5-3/16*	N/A	1.038	0.0247	0.1387
2-3/8*	4.7	0.16239	0.00387	0.02171

* estimates were used to produce the capacity data.

- For the 10" casing, the capacity of a 35.75 lb/ft 10-3/4" casing was used.
- For the 8-1/4" casing, the capacity of a 24 lb/ft 8-5/8" casing was used.
- For the 5-3/16" casing, the capacity of a 13 lb/ft 5-1/2" casing was used.

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Workover Data

No existing well records for workovers were found for Cordray 4. Based on offset well data from previously plugged wells, it is likely to have perforations in the pay zone over the years.

Current Day Visual Inspection

The current state of the wellsite is grown over with brush and is inaccessible by vehicle. There is equipment on location, which includes a wellhead with miscellaneous piping, rods, and a pump jack. In addition, there is at least one tank near the wellsite.

Driving Directions

Entrance Location: N 39.6455037, W 80.1398870

Beginning at Exit 155 on Interstate 79.

- Travel east on State Route 19/24 (Chaplin Road) for 0.57 miles to the intersection of said State Route 19/24 and US Rt. 19.
- Turn left onto US Rt. 19 and travel north for 1.67 miles to the intersection of said US Rt. 19 and WV Rt. 7 (Mason Dixon Highway).
- Turn left onto said WV Rt. 7 and travel west for 5.15 miles to the intersection of said WV Rt. 7 and State Route 37 (Pedlar Run Road).
- Turn left onto said State Route 37 and travel for 3.16 miles to the intersection of said State Route 37 and State Route 33.
- Turn left and continue with said State Route 37 for 200 feet to the well access road on the left.

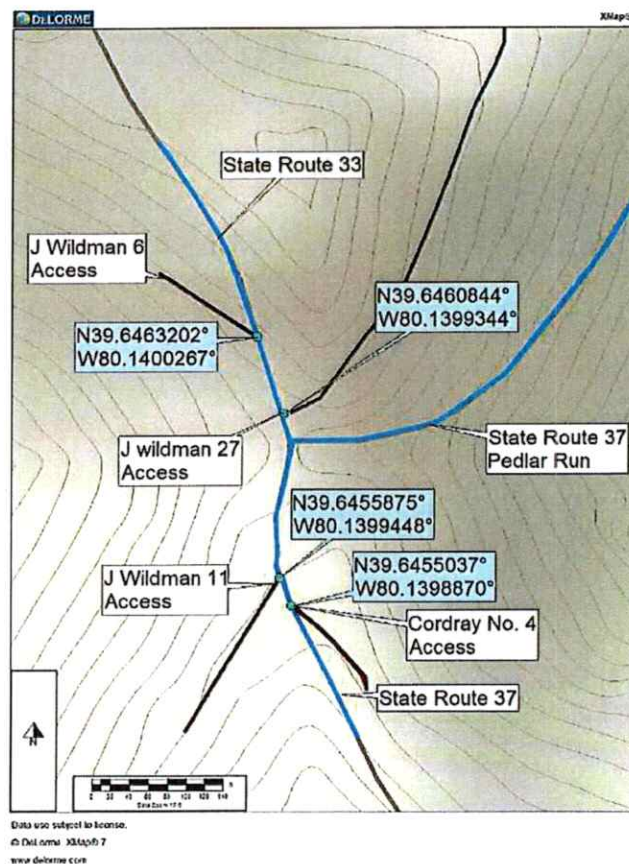
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Cordray No. 4 Driving Directions

- ***Beginning*** at Exit 155 on Interstate 79.
- Travel east on State Route 19/24 (Chaplin Road) for 0.57 miles to the intersection of said State Route 19/24 and US Rt. 19.
- Turn left onto US Rt. 19 and travel north for 1.67 miles to the intersection of said US Rt. 19 and WV Rt. 7 (Mason Dixon Highway).
- Turn left onto said WV Rt. 7 and travel west for 5.15 miles to the intersection of said WV Rt. 7 and State Route 37 (Pedlar Run Road).
- Turn left onto said State Route 37 and travel for 3.16 miles to the intersection of said State Route 37 and State Route 33.
- Turn left and continue with said State Route 37 for 200 feet to the well access road on the left @ N 39.6455037, W 80.1398870.



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General Plugging Procedure:

1. Wellsite safety meetings will be held before each task to ensure safety through the P&A process.
2. Ensure all E&S controls, access road, and rig pad are in place.
3. Keep a daily P&A report showing all activity, casing/tubing pulled, and record any cement pumped.
4. Move in and rig up (MIRU) construction equipment and prepare location for service rig.
5. Move in service rig & equipment.
6. Trip out of hole (TOOH) with any rods and/or production tubing.
7. Trip in hole (TIH) with workstring and confirm bottom, which is expected at ~2,100 ft.
8. TOH with workstring and R/U wireline.
9. Run in hole (RIH) with caliper log to determine 5-3/16" casing depth.
10. TIH with workstring and pump a gel spacer and enough class A or L cement to cover from TD to above the 5-3/16" casing shoe and/or any perforations found from logs.
11. Wait on cement (WOC).
12. TIH to confirm top of cement and record. Set additional plug(s) if needed.
 - a. If the second attempt fails to take cement, contact NNE Engineer and WV State Inspector for plans to set a CIBP prior to next cement plug.
13. Locate free point, cut casing, and pull as much of the 5-3/16" and 6-5/8" casing as possible that is found in wellbore.
 - a. Required to pull minimum of 150% of estimated casing string weight.
 - b. If the free point is above elevation, set cement plug across elevation prior to pulling casing.
 - c. RIH and confirm coal and freshwater depths in 6-5/8" casing.
 - d. Pump gel spacer between plugs and set minimum 100 ft cement plugs across elevation, all casing cuts and any perforations made in the casing. Confirm cement tops and set additional plugs as necessary.
14. Confirm no additional 8" or 10" casing is in the hole.
 - a. If additional casing is found in hole, consult with NNE Engineer and WV State Inspector on recovery of pipe.
15. TIH and set expandable cement over the coal seams. Pump class A or class L cement and displace the cement plug. Ensure gel spacer between plugs.
16. Wait on cement (WOC).
17. TIH to confirm cement top and record depth. Set additional plugs as needed.
 - a. Top of cement should be above the coal seam.
18. Pump gel spacer and set cement to surface with class A or L cement.
19. Install a monument to WV state requirements.

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- a. A minimum of 6" diameter metal pipe cemented 10' in the well and reaching 30" above ground level.
 - b. API number welded with a minimum of ½" in height.
20. Rig down and move out equipment and reclaim location to WV State requirements after 70% vegetative growth is observed.
21. Complete and sign the plugging affidavit and provide to NNE Engineer.

Gayne
Knitowski

Digitally signed by
Gayne Knitowski
Date: 2025.07.21
08:29:34 -04'00'

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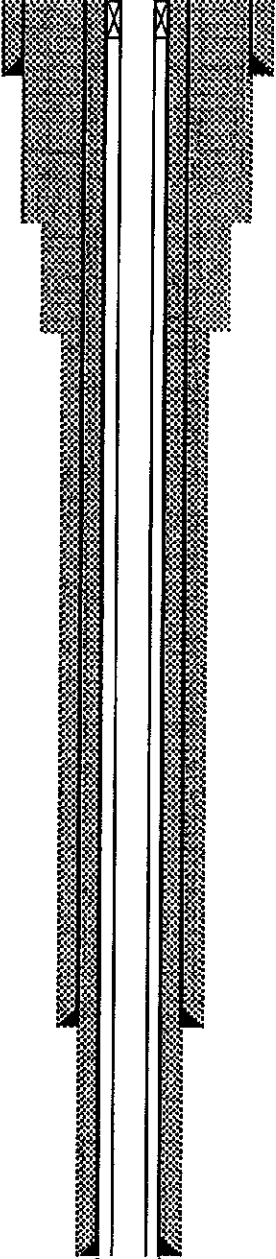
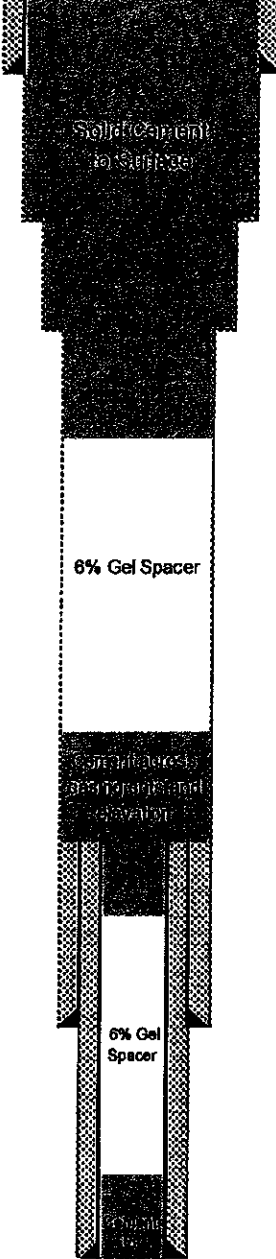
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Wellbore Diagram:

EXISTING WELLBORE DIAGRAM	CASING	TOP TVD (ft)	Comment	POST PLUGGING WELLBORE DIAGRAM
	Conductor	15-25	Shoe	
	10" Casing (Assumed to be pulled)	TBD		
	8-1/4" Casing (Assumed to be pulled)	824	Top of PGH Coal	
		TBD	Shoe	
	6-5/8" Casing	834	Base of PGH Coal	
		1,380	Recorded Elevation	
		TBD	Shoe	
	5-3/16" Casing			
		TBD	Shoe / End of Tubing	
	Openhole	~1,800	Top of Big Injun	
		~2,050	1st Pay	
		Unknown	2nd Pay	
		1,800 - 2,400	Total Depth	

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WW-4A
Revised 6-07

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1) Date: 7/16/25
2) Operator's Well Number
Cordray 4

3) API Well No.: 47 - 061 - 01750

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

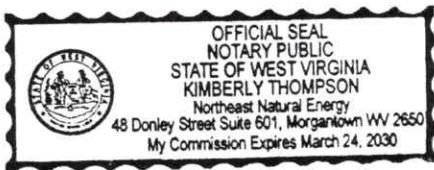
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Carol A Tennant</u>	Name <u></u>
Address <u>537 Pedlar Run Road</u>	Address <u></u>
<u>Core, WV 26541</u>	
(b) Name <u></u>	(b) Coal Owner(s) with Declaration
Address <u></u>	Name <u>Monongalia County Coal Resources, Inc.</u>
	Address <u>46226 National Road</u>
	<u>St. Clairsville, OH 43950</u>
(c) Name <u></u>	Name <u></u>
Address <u></u>	Address <u></u>
6) Inspector <u>Gayne Knitowski</u>	(c) Coal Lessee with Declaration
Address <u>PO Box 108</u>	Name <u></u>
<u>Gorman, WV 26720</u>	Address <u></u>
Telephone <u>304-546-8171</u>	

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

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

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

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



Well Operator NNE Resources LLC
By: Hollie Medley
Its: Regulatory Manager
Address 707 Virginia Street E, Suite 1200
Charleston, WV 25301
Telephone

Subscribed and sworn before me this 16 day of July, 2025
[Signature] Notary Public
My Commission Expires March 24, 2030

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.

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Cordray 4

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9589 0710 5270 0683 9442 30

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Saint Clairsville, OH 43950

Certified Mail Fee	\$5.30
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	\$0.00
☐ Return Receipt (electronic)	\$0.00
☐ Certified Mail Restricted Delivery	\$0.00
☐ Adult Signature Required	\$0.00
☐ Adult Signature Restricted Delivery	\$0.00
Postage	\$4.14
Total Postage and Fees	\$13.84

Sent To

Street and Apt. No.: Monongalia County Coal Resources, Inc.
46226 National Road
City, State, ZIP+4®: St. Clairsville, OH 43950

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

*Willman, Bill
Ann Cordray*

MORGANTOWN WV 26505
JUL 18 2025
Postmark Here
07/18/2025
USPS

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Morgantown, WV 26505

Certified Mail Fee	\$5.30
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	\$0.00
☐ Return Receipt (electronic)	\$0.00
☐ Certified Mail Restricted Delivery	\$0.00
☐ Adult Signature Required	\$0.00
☐ Adult Signature Restricted Delivery	\$0.00
Postage	\$2.17
Total Postage and Fees	\$11.87

Sent To

Street and Apt. No., or PO Box #: Carol Ann Tennant
537 Pedlar Run Rd
City, State, ZIP+4®: Core, WV 26541

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

Cordray

MORGANTOWN WV 26505
JUL 18 2025
Postmark Here
07/18/2025
USPS

08/15/2025

WW-9
(5/16)

JUL 22 2025

WV Department of
Environmental Protection

API Number 47 - 061 01750

Operator's Well No. Cordray 4

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name NNE Resources LLC OP Code 494511469

Watershed (HUC 10) Dunkard Creek Quadrangle Blacksville

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 see attached)
- ☒ Reuse (at API Number TBD)
- ☒ Off Site Disposal (Supply form WW-9 for disposal location)
- ☐ Other (Explain _____)

Will closed loop system be used? If so, describe: N/A

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

-If oil based, what type? Synthetic, petroleum, etc. N/A

Additives to be used in drilling medium? Bentonite

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Removed offsite

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

-Landfill or offsite name/permit number? see attached

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 Hollie Medley

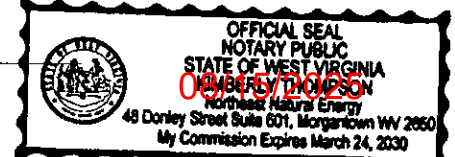
Company Official (Typed Name) Hollie Medley

Company Official Title Regulatory Manager

Subscribed and sworn before me this 16 day of July, 20 25

Notary Public

My commission expires March 24, 2030



Operator's Well No. Cordray 4

Proposed Revegetation Treatment: Acres Disturbed _____ Prevegetation pH _____

Lime 2 Tons/acre or to correct to pH 7Fertilizer type 19-19-19Fertilizer amount 500 lbs/acreMulch 2 Tons/acreRECEIVED
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Temporary

Permanent

Seed Type	lbs/acre	Seed Type	lbs/acre
Orchard Grass	46	Orchard Grass	46
Red Clover	8	Red Clover	8
Tertraploid Perennial Rye	16	Tertraploid Perennial Rye	16
Timothy 15 Annual Rye 15		Timothy 15 Annual Rye 15	

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: Gayne Knitowski
Digitally signed by Gayne Knitowski
Date: 2025.07.21 08:28:55 -0400

Comments: _____

Title: Inspector Date: 7-21-2025Field Reviewed? ☒ Yes ☐ No

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WV Department of
Environmental ProtectionAttachment A to WW-9

During the Plugging process NNE Resources LLC plans to take the solid waste to disposal at one or more of the following disposal/approved waste facilities, unless listed facilities are no longer approved to accept waste at time of disposal:

- Westmoreland Sanitary Landfill (Noble Environmental) – Belle Vernon, PA (Permit # 100277)
- Chestnut Valley Landfill (Noble Environmental) – McClellandtown, PA (Permit # 100419)
- APEX Environmental, LLC- Amsterdam, OH (Permit # PTI 06-08448)

NNE plans to reuse and recycle all fluid and/or reach out to other operators in the area who may be able to reuse and recycle such fluid. However, in the event that reuse is not obtainable the fluid will be disposed of at one, or multiple, of the following disposal/approved waste facilities unless listed facilities are no longer approved to accept waste at time of disposal:

UIC Well Name	Owner/Operator	API No.
K & H Disposal	Tall Grass	47-061-01689
Dennison Disposal Well	Dennison Disposal	34-157-2-5507
Nichols	Select Water	34-167-2-3862
Goff	Select Water	34-119-2-8776
Clearwater 3	Select Water	34-059-2-3986
Bo	Select Water	34-059-2-4473
Shields	Select Water	34-059-2-4445
Redbird #2	Redbird Development, LLC	34-167-2-9731
Redbird #4	Redbird Development, LLC	34-167-2-9767
Mills	Deep Rock Disposal	34-105-2-3619
Dexter City	Deep Rock Disposal	34-121-24037
Ritchie	Deep Rock Disposal	47-085-09721

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Page _____ of _____
API Number 47 - 061 - 01750
Operator's Well No. Cordray 4

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

Operator Name: NNE Resources LLC
Watershed (HUC 10): Dunkard Creek Quad: Blacksville
Farm Name: Cordray

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

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

N/A

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.

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N/A

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6. Provide a statement that no waste material will be used for deicing or fill material on the property.

N/A

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

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

N/A

Signature: Hall meg

Date: 7/16/25

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July 21, 2025

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Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304

Re: Plugging Permit Applications
Cordray 4 – 47-061-01750
Wildman 6 – 47-061-00999
Wildman 11 – 47-061-01000
Wildman 27 – 47-061-01001

Dear Permit Reviewer,

Please find enclosed Plugging Permit Applications for NNE Resources Cordray 4, Wildman 6, Wildman 11, and Wildman 27 wells. These wells are located in the Clay District of Monongalia County.

NNE Resources would also like to provide notice that we may use American Petroleum Institute ("API") Class L cement in place of API Class A cement as approved by Order No. 2022-13, attached hereto, on its well plugging.

Should you have any questions please contact me at rzachwieja@nne-llc.com.

Sincerely,

A handwritten signature in blue ink that reads 'Becky Zachwieja'.

Becky Zachwieja
Regulatory & ESG Specialist

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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

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.

Promoting a healthy environment.

08/15/2025

4. On August 18, 2022, the Office of Oil and Gas provided public notice of acceptance of public comments on the variance consideration. During the 20-day public comment period, no comments were received.

CONCLUSIONS OF LAW

Pursuant to Article 6 and Article 6A, Chapter 22 of the Code of West Virginia, the Office of Oil and Gas has jurisdiction over the subject matter, and the persons interested therein, and jurisdiction to promulgate the hereinafter prescribed Order.

Pursuant to Legislative Rule 35CSR4, Section 18 and Legislative Rule 35CSR8, Section 14, the Chief of the Office of Oil and Gas may grant a variance from any requirement of these rules.

ORDER

It is ordered that the Class L cement product approved and monogrammed by API is approved for use in place of API Class A cement for well plugging subject to the provisions of Legislative Rule 35CSR4 and Legislative Rule 35CSR8.

Dated this, the 13th day of September, 2022.

RECEIVED
Office of Oil and Gas

JUL 22 2025

WV Department of
Environmental Protection

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

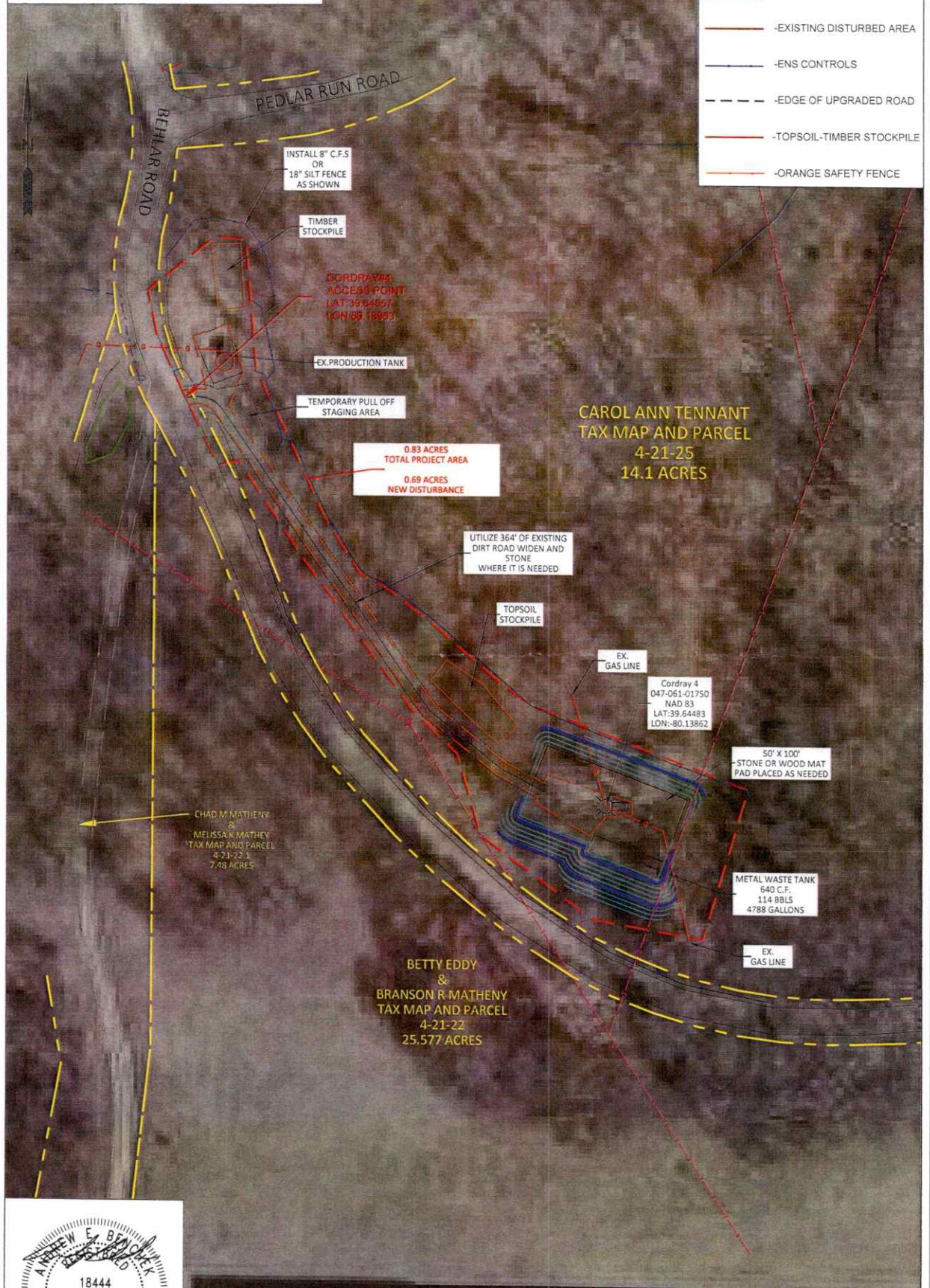
08/15/2025

SCALE BAR: 1"=60'



LEGEND

- PROPERTY LINES
- PROJECT AREA
- EXISTING DISTURBED AREA
- EENS CONTROLS
- EDGE OF UPGRADED ROAD
- TOPSOIL-TIMBER STOCKPILE
- ORANGE SAFETY FENCE



DATE:
JULY 2025

CORDRAY NO.4
SHALLOW WELL
47-061-01750

CLAY DISTRICT,
MONONGALIA
COUNTY, WV

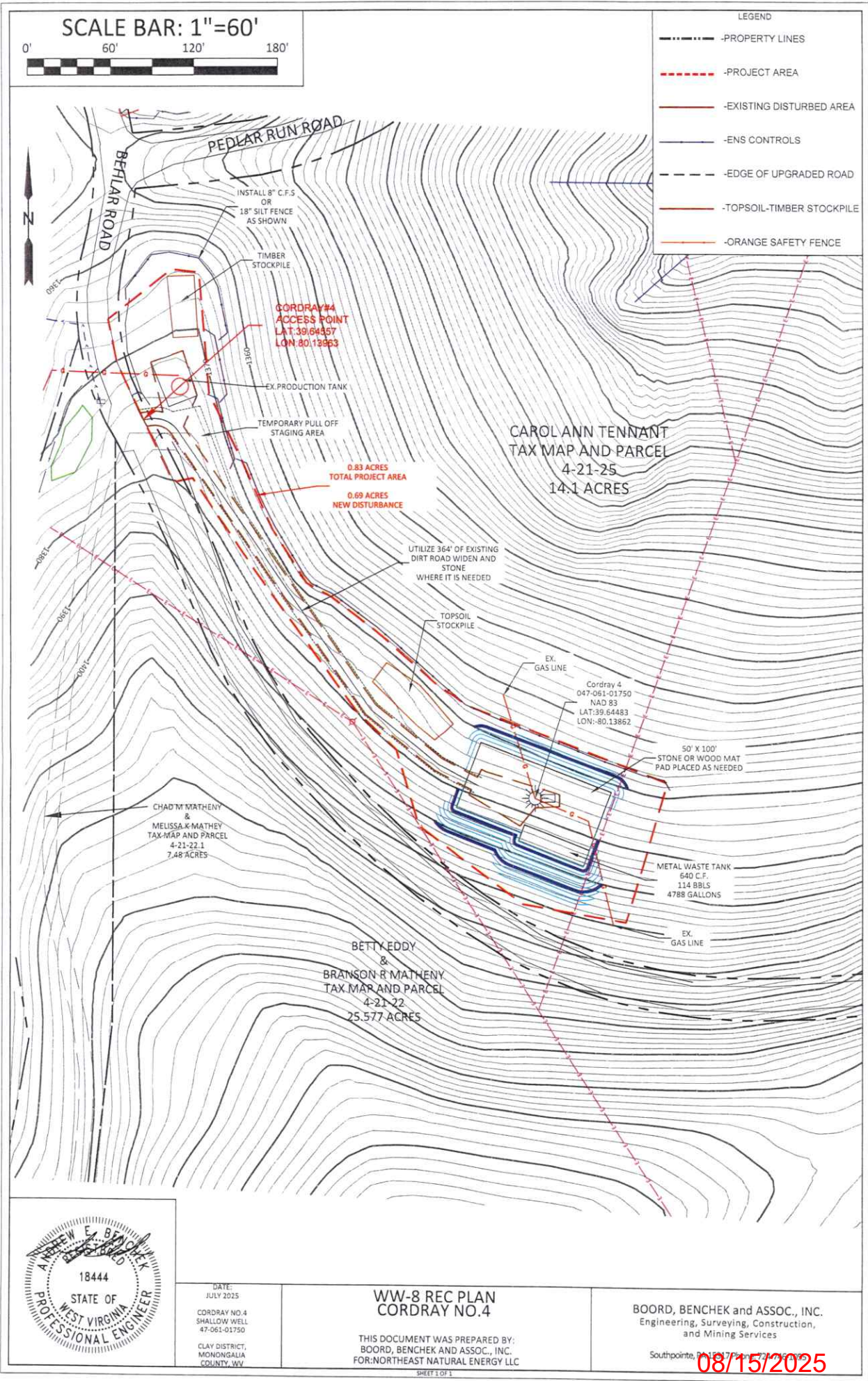
WW-8 REC PLAN
CORDRAY NO.4

THIS DOCUMENT WAS PREPARED BY:
BOORD, BENCHEK AND ASSOC., INC.
FOR: NORTHEAST NATURAL ENERGY LLC

BOORD, BENCHEK and ASSOC., INC.
Engineering, Surveying, Construction,
and Mining Services

Southpointe, P.O. Box 27000, Charleston, WV 25302

08/15/2025



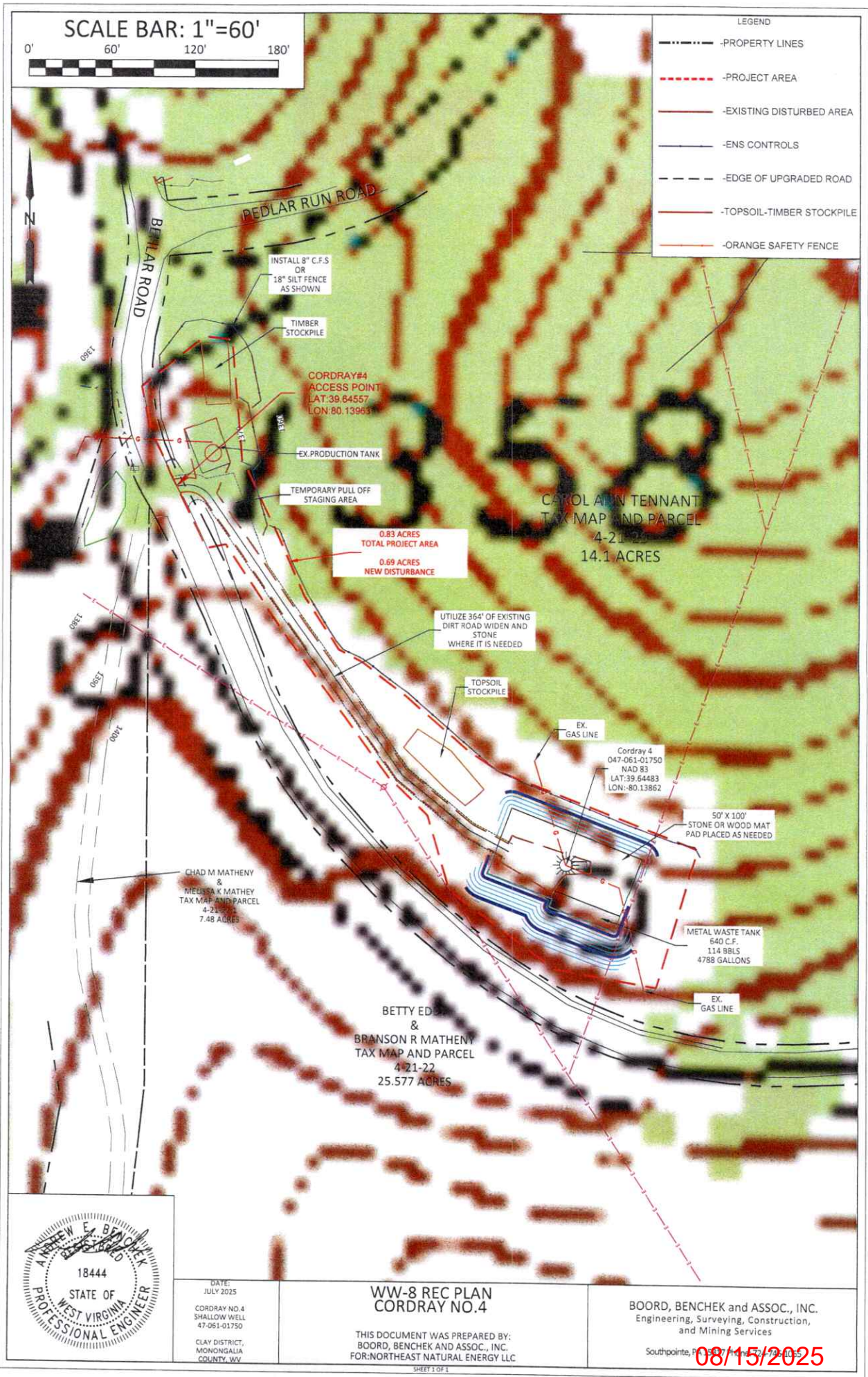
DATE:
JULY 2025
CORDRAY NO.4
SHALLOW WELL
47-061-01750
CLAY DISTRICT,
MONONGALIA
COUNTY, WV

**WW-8 REC PLAN
CORDRAY NO.4**

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FOR: NORTHEAST NATURAL ENERGY LLC

BOORD, BENCHEK and ASSOC., INC.
Engineering, Surveying, Construction,
and Mining Services

Southpointe, PA 15127
08/15/2025



WW-7
8-30-06

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Environmental Protection



West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-061-01750 WELL NO.: Cordray 4

FARM NAME: Cordray

RESPONSIBLE PARTY NAME: NNE Resources LLC

COUNTY: Monongalia DISTRICT: Clay

QUADRANGLE: Blacksville

SURFACE OWNER: Carol A. Tennant

ROYALTY OWNER: Jack Cordray, et al

UTM GPS NORTHING: 4388692.726

UTM GPS EASTING: 573891.26 GPS ELEVATION: 1380'

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.

Holl Me
Signature

Regulatory Manager
Title

7-8-25
Date

08/15/2025

7/18/2025

PLUGGING PERMIT CHECKLIST

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Office of Oil and Gas

JUL 22 2025

WV Department of
Environmental Protection

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)
- N/A ☐ WW-9 PAGE 2 with attached drawing of road, location, pit and proposed area for land application
- N/A ☐ WW-9 GPP PAGE 1 and 2 if well effluent will be land applied
- ☒ RECENT MYLAR PLAT OR WW-7
- N/A ☐ WELL RECORDS/COMPLETION REPORT
- ☒ TOPOGRAPHIC MAP OF WELL, SHOWING PIT IF PIT IS USED
- ☒ MUST HAVE VALID BOND IN OPERATOR'S NAME
- N/A ☐ CHECK FOR \$100 IF PIT IS USED

08/15/2025



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

plugging permits issued for 4706100999 01000 01001 01750

1 message

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

Wed, Aug 13, 2025 at 10:19 AM

To: Hollie Medley <hmedley@nne-llc.com>, Gayne J Knitowski <gayne.j.knitowski@wv.gov>, Stephen E McCoy <stephen.e.mccoy@wv.gov>, mmusick@assessor.org

To whom it may concern, plugging permits have been issued for 4706100999 01000 01001 01750.

--

James Kennedy

Environmental Resource Specialist III / Permitting

WVDEP Office of Oil and Gas

601 57th Street, SE

Charleston, WV 25304

304-926-0499 ext. 45025

james.p.kennedy@wv.gov

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4571K**4706100999.pdf**
6326K**4706101000.pdf**
5220K**08/15/2025**