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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)

Friday, September 1, 2023  
WELL WORK PLUGGING PERMIT  
Vertical Plugging

NNE RESOURCES LLC  
707 VIRGINIA STREET EAST, SUITE 1200

CHARLESTON, WV 25301

Re: Permit approval for 12  
47-061-00483-00-00

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

A blue ink signature of James A. Martin, written in a cursive style.

Operator's Well Number: 12  
Farm Name: EDDY, D. J.  
U.S. WELL NUMBER: 47-061-00483-00-00  
Vertical Plugging  
Date Issued: 9/1/2023

## 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.
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

1) Date July 18, 2023  
2) Operator's Well No. DJ Eddy 12  
3) API Well No. 47-061 - 00483

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 \_\_\_ or Underground storage \_\_\_) Deep \_\_\_ / Shallow X \_\_\_

5) Location: Elevation 1,256' Watershed Dunkard Creek  
District Clay County Monongalia Quadrangle Blacksville

6) Well Operator NNE Resources LLC 7) Designated Agent Hollie Medley, Regulatory Manager  
Address 707 Virginia St. E., Suite 1200 Address 48 Donley St.  
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 Plugging Procedure

THIS WAS A SHOT WELL, THEREFORE IT IS ACCEPTABLE TO FILL THE SHOT HOLE WITH GEL AND SET THE BOTTOM HOLE CEMENT PLUG JUST ABOVE THE SHOT. CEMENT PLUGS MUST BE A MINIMUM OF 100 FT THICK.

WILL SET CIBP JUST ABOVE THE TOP OF SHOT HOLE IN COMPETENT CASING. PLACE A MINIMUM OF 100' OF CLASS A OR L CEMENT ON TOP OF CIBP.

★ MINIMUM OF 100' CLASS A OR L PLUGS ACROSS ALL CASING CUTS.

★ MUST USE EXPANDING CEMENT 200' BELOW COAL TO 100' ABOVE.

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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 Gayne Knitowski Date 7-18-2023

Digitally signed by  
Gayne Knitowski  
Date: 2023.07.20  
13:50:59 -0400

08/29/2023



# northeast

NATURAL ENERGY

**DJ Eddy 12 – Plugging Procedure Revision 1 (08/30/2023)**

**Clay District, Monongalia County, WV**

**API Number: 47-061-0483**

## Introduction

Approval is requested to perform the initial plugging on the DJ Eddy 12 well. The DJ Eddy 12 is a vertical shallow well located in Clay District, Monongalia County, WV. This well was drilled to a depth of approximately 2,117'. The DJ Eddy 12 is not a producing well and is recommended to be plugged and abandoned.

## Well Data

The DJ Eddy 12 was completed on March 16, 1896 in Clay District, Monongalia County, WV. It was drilled to a depth of ~2,117 ft.

Below is the original wellbore configuration.

**DJ Eddy 12 Depths**

Casing	Depth (ft)
Conductor	27
10" Casing	720
8 1/4" Casing	841
6 5/8" Casing	1,715
5 3/16" Casing	265

\*All 10" Casing Pulled.

\*Assumed to be a liner. Bottom @ 1980'

Formation	Depth (ft)
Pgh Coal	695
Top of Big Injun	1,998
1st Pay	2,091
Total Depth	2,117

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**Capacities**

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.

**Workover Data**

Supplemental data was provided by the state on additional workover events on the well.

DJ Eddy 12 Workover	
Date	Work Performed
12/30/1903	Shots in Pay Zone
3/22/1906	Shots in Pay Zone
10/3/1906	Shots in Pay Zone
3/29/1909	Shots in Pay Zone
8/10/1932	Shots in Pay Zone
2/1/1941	Casing Head Lowered 12"
9/12/1955	Installed Bottom Hole Packer 5-3/16" x 6-5/8" 5-3/16 casing run to 1721'

**Current Day Visual Inspection**

Currently the well sits with a pump jack with rods installed. There is a flowline going to a nearby small tank.

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**Driving Directions**

Entrance Location: N39.6401256, W 80.1608964

Beginning at Interstate 79, Exit 155 (Star City Exit) travel east on State Route 19/24 for 0.58 miles to the intersection of said State Route 19/24 and Route 19. Turn left at the stop light at the Star City Sheetz and travel 1.65 miles north on said Route 19 for 1.65 miles to the intersection of said Route 19 and WV Route 7 (Mason Dixon Highway). Turn left onto said WV Route 7 and travel west for 10.4 miles to the intersection of said WV Route 7 and State Route 29 (Jakes Run Road. Olive United methodist Church is at this intersection. Turn left onto said State Route 29 and travel south for 5.95 miles to the gravel entrance to the DJ Eddy 12 location on the right.

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**General Plugging Procedure:**

1. Safety is the number one priority. Wellsite safety meetings will be held before each task.
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 remove any existing pump jacks, production tanks, separators, well lines, meter runs, etc.
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 to confirm the wellbore is open to desired depth of approximately 1715'. It is not needed to tag the open hole bottom.
8. Due to the numerous shots performed over the years in the open hole, place a cast iron bridge plug in competent casing just above the producing formation (minimum of 20' above). Document set depth.
9. Place a minimum of 100' Class A or Class L cement plug on top of the cast iron bridge plug.
10. Wait on Cement (WOC)
11. RIH to confirm cement top. Record. Set additional plug(s) if needed.
12. Cut the 5-3/16" & 6-5/8" casing at free point and pull as much as possible.
13. RIH inside the 8-1/4" casing to confirm coal and freshwater depths.
14. Attempt to pull all of 8-1/4" casing (most likely it wasn't cemented at the time of install)
  - a. If not, cut 8-1/4" casing 50' below the coal and pull.
  - b. If unable to pull, contact NNE & DEP for approval to perf casing at coal depth
15. Use a work string to set expandable cement over the coal seams. Pump Class A or Class L cement and displace the cement plug.
16. Wait on Cement (WOC)
17. RIH to confirm cement top. Record. Set additional plug(s) if needed.
18. Top of cement should be above the coal seam.
19. Cement to surface with Class A or L.
20. Cut all casing 36 inches below GL. Install a monument to WV state requirements.
  - a. API number welded with a minimum of 1/2" in height. Use a minimum of 6" diameter metal pipe cemented 10' in the well and reaching 30" above ground level.
21. Rig down and move out equipment and reclaim location to WV State requirements after 70% vegetative growth is observed.

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**Wellbore Diagram:**

EXISTING WELLBORE DIAGRAM	CASING	TOP TVD (KB)	Comment	POST PLUGGING WELLBORE DIAGRAM	
	Conductor	27			
	10" Casing (previously pulled)	695	Pittsburgh Coal		
		720			
		8-1/4" Casing	841		
	6-5/8" & 5-3/16" Casing	<i>100' PLUGS ACROSS ALL CASING CUTS.</i>			
		<i>gum</i>			
		1,715			
		5-3/16" Liner	1,980		
		Openhole	1,998		Big Injun
			2,091		First Pay
	2,117		Total Depth		

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IPANTS: \_\_\_\_\_ DATE: JAN 28 1981 BUYER-SELLER CODE: \_\_\_\_\_  
 OPERATOR: Pennzoil Company 014730  
 PURCHASER: Not Dedicated 4706100483P  
 CR: \_\_\_\_\_

Va. Department of Mines, Oil & Gas Division  
 WELL DETERMINATION FILE NUMBER  
0-08-27-108-061-0443  
 Above File Number on all Communications  
 Relating to Determination of this Well

*Qualifies J. E. Huggins*

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

- NO. 1. FERC -121  Items not completed - Line No. \_\_\_\_\_
2. IV-1 Agent  James A. Crews
3. IV-2 Well Permit \_\_\_\_\_
4. IV-6 Well Plat
5. IV-35 Well Record  Drilling  Deepening \_\_\_\_\_
6. IV-36 Gas-Oil Test:  Gas Only \_\_\_\_\_ Was Oil Produced? \_\_\_\_\_ Ratio \_\_\_\_\_
7. IV-39 Annual Production \_\_\_\_\_ years
8. IV-40 90 day Production 91 Days off line: \_\_\_\_\_
9. IV-48 Application for certification. Complete?
17. IV Form 51 - 52 - 53 - 54 - 55 - 56 - 57 - 58 Complete?  Affidavit Signed
28. Other: Survey \_\_\_\_\_ Logs \_\_\_\_\_ Geological Charts \_\_\_\_\_  
 Structure Map \_\_\_\_\_ 1: 4000 Map \_\_\_\_\_ Well Tabulations \_\_\_\_\_  
 Gas Analyses \_\_\_\_\_
- (5) Date commenced: 1-24-96 Date completed: 3-16-1896 Deepened \_\_\_\_\_
- (5) Production Depth: 1991 - 2091
- (5) Production Formation: Big Enjun
- (5) Final Open Flow: N/A
- (5) After Frac. R. P. N/A
- (6) Other Gas Test: \_\_\_\_\_
- (7) Avg. Daily Gas  Annual Production:  $\frac{2628}{365} = 7.2 \text{ mcf}$ , oil  $\frac{246}{365} = 0.6 \text{ BBL}$
- (8) Avg. Daily Gas from 90-day ending w/1-120 days  $\frac{618}{79} = 7.8 \text{ mcf}$ , oil  $\frac{79}{79} = 0.8 \text{ BBL}$
- (8) Line Pressure: N/A PSIG from Daily Report \_\_\_\_\_
- (9) Oil Production: N/O From Completion Report.
- 17. Does lease inventory indicate enhanced recovery being done N/O
- 17. Is affidavit signed?  Notarized?
- Does official well record with the Department confirm the submitted information? N/O
- Additional information: \_\_\_\_\_ Does computer program confirm? \_\_\_\_\_
- Is Determination Objected to \_\_\_\_\_ By Whom? \_\_\_\_\_

*073*

110. 0420

Acres 333

Farm Name Addy, D. J.

4706100483P

Well No. 12

S. E. W. District City Monongalia West Va. Rights Owned By

Location Made Rig Completed Jan. 10, 1896 Dr'g Commenced Jan. 24, 1896 Dr'g Completed Mar. 16, 1896 Dr'g Contractor

Purchased From Date Purchased Sold To Date Sold Date Abandoned

Casing Head Lowered 12" Feb. 1941

By M.C. West Foreman CASING RECORD

Table with columns: Kind, Top, Bottom, Steel Line Measurement, Tests, Size, Bottom Casing (Steel Line), Full in Well (Tally Meas.), Pulled (Tally Meas.), Cement. Includes data for conductor, 10", 8 1/2", 6 5/8", 5 3/16", 5 7/16" casing sizes and depths.

PACKERS AND SHOES

Table with columns: Kind, Size, Depth Set, Date Set. Includes entry for 'Packer Bottom Hole 5 7/16 x 6 7/8' dated 9-12-35.

(Used gas 48 days)

TORPEDO RECORD

Table with columns: Date, No. Qts., Size Shell, Top Shot, Bottom, Resu. Includes entries for 12/30/1903, 1/22/1906, 10/3/1906, 6/29/1909, and 8/10-1932.

DRILLING DEEPER

Table with columns: Commenced, Completed, Original Depth, Final Depth, Contracto.

ABANDONMENT RECORD

Table with columns: Filled With, From, To, Size, Kind, Date. Includes a 'PLUG' section.

Table with columns: Prod., Sand, \* At Completion, \* 30 Days After, \*

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APPROVED

47-061-0483

Select County: (061) Monongalia Select datatypes: (Check All) Location Production Plugging Owner/Completion Stratigraphy Sample Pay/ShowWater Logs Btm Hole Loc

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

4706100483P

WV Geological & Economic Survey:

Well: County = 061 Permit = 483 Link to all digital records for well

Report Time: Monday, July 24, 2023 12:01:54 PM

Location Information: View Map

Table with columns: API, COUNTY, PERMIT, TAX\_DISTRICT, QUAD\_75, QUAD\_15, LAT\_DD, LON\_DD, UTM\_E, UTM\_N. Row: 4706100483, Monongalia, 483, Clay, Blacks ville, Blacks ville, 39.640356, -80.161368, 571960.1, 4388177.5

There is no Bottom Hole Location data for this well

Owner Information:

Table with columns: 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. Row: 4706100483, 3/16/1896, Original Loc, Completed, D J Eddy, 12, Pennzoil Company

Completion Information:

Table with columns: 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. Row: 4706100483, 3/16/1896, 12/4/1896, 1240, Topo Estimation, Frv-Str R-M Mrs, Big Injun (Price&eq), Big Injun (Price&eq), Development Well, Development Well, Oil w/ Gas Show, Cable Tool, Shot, 2117, 2117, 2117, 0, 0

Pay/ShowWater Information:

Table with columns: API, CMP\_DT, ACTIVITY, PRODUCT, SECTION, DEPTH\_TOP, FM\_TOP, DEPTH\_BOT, FM\_BOT, G\_BEF, G\_AFT, O\_BEF, O\_AFT, WATER\_QNTY. Row: 4706100483, 3/16/1896, Pay, Oil, Vertical, 2091, Big Injun (Price&eq), 0, 0

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

Table with columns: API, PRODUCING\_OPERATOR, PRD\_YEAR, ANN\_GAS, JAN, FEB, MAR, APR, MAY, JUN, JUL, AUG, SEP, OCT, NOV, DCM. Multiple rows for various operators and years.

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.

Table with columns: API, PRODUCING\_OPERATOR, PRD\_YEAR, ANN\_OIL, JAN, FEB, MAR, APR, MAY, JUN, JUL, AUG, SEP, OCT, NOV, DCM. Multiple rows for various operators and years.

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.

Table with columns: API, PRODUCING\_OPERATOR, PRD\_YEAR, ANN\_NGL, JAN, FEB, MAR, APR, MAY, JUN, JUL, AUG, SEP, OCT, NOV, DCM. Multiple rows for various operators and years.

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

Table with columns: API, PRODUCING\_OPERATOR, PRD\_YEAR, ANN\_WTR, JAN, FEB, MAR, APR, MAY, JUN, JUL, AUG, SEP, OCT, NOV, DCM. Multiple rows for various operators and years.

There is no Stratigraphy data for this well

Wireline (E-Log) Information:

- \* There is no Scanned/Raster Log data for this well
\* There is no Digitized/LAS 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

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08/29/2023

WW-4A  
Revised 6-07

1) Date: July 18, 2023  
2) Operator's Well Number  
DJ Eddy 12

3) API Well No.: 47 - 061 - 00483

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

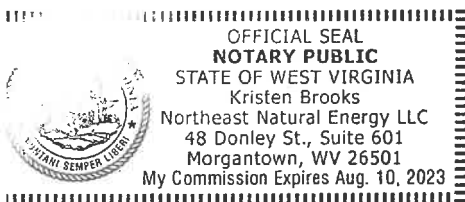
4) Surface Owner(s) to be served: (a) Name, Address, (b) Name, Address, (c) Name, Address  
5) (a) Coal Operator Name, Address, (b) Coal Owner(s) with Declaration Name, Address, (c) Coal Lessee with Declaration Name, Address  
6) Inspector Name, Address, Telephone

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: [Signature]
Its: Regulatory Manager
Address: 707 Virginia St. E, Suite 1200, Charleston, WV 25301
Telephone: 304-414-7060

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WV Department of Environmental Protection

Subscribed and sworn before me this 18th day of July, 2023
Kristen Brooks Notary Public
My Commission Expires August 10, 2023

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.

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36 Behlar Rd.  
Fairview, WV 26570

Instructions

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Office of Oil and Gas  
601 57<sup>th</sup> 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 ) ORDER NO. 2022-13  
SECTION 14.1. AND LEGISLATIVE RULE )  
35CSR8 SECTION 20.1, )  
RELATING TO THE CEMENTING )  
OF OIL AND GAS WELLS )**

**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.

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

### CONCLUSIONS OF LAW

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

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

### ORDER

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

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

IN THE NAME OF THE STATE OF WEST VIRGINIA

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



James Martin, Chief  
Office of Oil and Gas

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WW-9  
(5/16)

API Number 47 - 061 - 00483  
Operator's Well No. DJ Eddy 12

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 attachment )
- Reuse (at API Number See attachment )
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain \_\_\_\_\_)

Will closed loop system be used? If so, describe: NA

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

-If oil based, what type? Synthetic, petroleum, etc. NA

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 attachment

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.

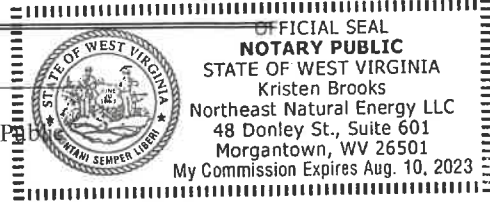
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations 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

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WV Department of  
Environmental Protection

Subscribed and sworn before me this 18th day of July, 2023, 20  
Kristen Brooks  
My commission expires August 10, 2023



08/29/2023



Attachment A to WW-9

Northeast Natural Energy LLC (“NNE”) plans to utilize a closed loop process for its drilling of the well. Return flow from the well will be separated into its liquid and solid form. Liquids will be held in steel tanks and reused in the drilling and completion process or disposed of at an approved facility listed below. Solids removed from the stream will be diverted to steel half-round tanks where they will be solidified on site and taken to disposal as they are accumulated.

The Cuttings will be taken 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 (Nobel Environmental) – McClellandtown, PA (Permit # 100419)
- Austin Master Services – Martins Ferry, OH (Permit # WF-2022-05)
- Belmont Solids Control LLC – Cadiz, OH (Permit # WF-2022-01)

NNE plans to reuse and recycle all flowback 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	Central Environmental Services	47-061-01689
Dennison Disposal Well	Dennison Disposal	34-157-2-5507
Nichols	Tidal Logistics	34-167-2-3862
Goff	Tidal Logistics	34-119-2-8776
Clearwater 3	Tidal Logistics	34-059-2-3986
Bo	Tidal Logistics	34-059-2-4473
Shields	Tidal Logistics	34-059-2-4445
Redbird #2	Redbird Development, LLC	34-167-2-9731
Redbird #4	Redbird Development, LLC	34-167-2-9767
Mills	Omega Drilling/FQ Energy	34-105-2-3619
Dexter City	Omega Drilling/FQ Energy	34-121-24037
Ritchie	Omega Drilling/FQ Energy	47-085-09721

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Proposed Revegetation Treatment: Acres Disturbed 0.25 Prevegetation pH TBD

Lime 2 Tons/acre or to correct to pH 7

Fertilizer type 19-19-19

Fertilizer amount 500 lbs/acre

Mulch 2 Tons/acre

**Seed Mixtures**

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	Timothy	15
Annual Rye	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: 2023.07.20 12:55:08 -0400

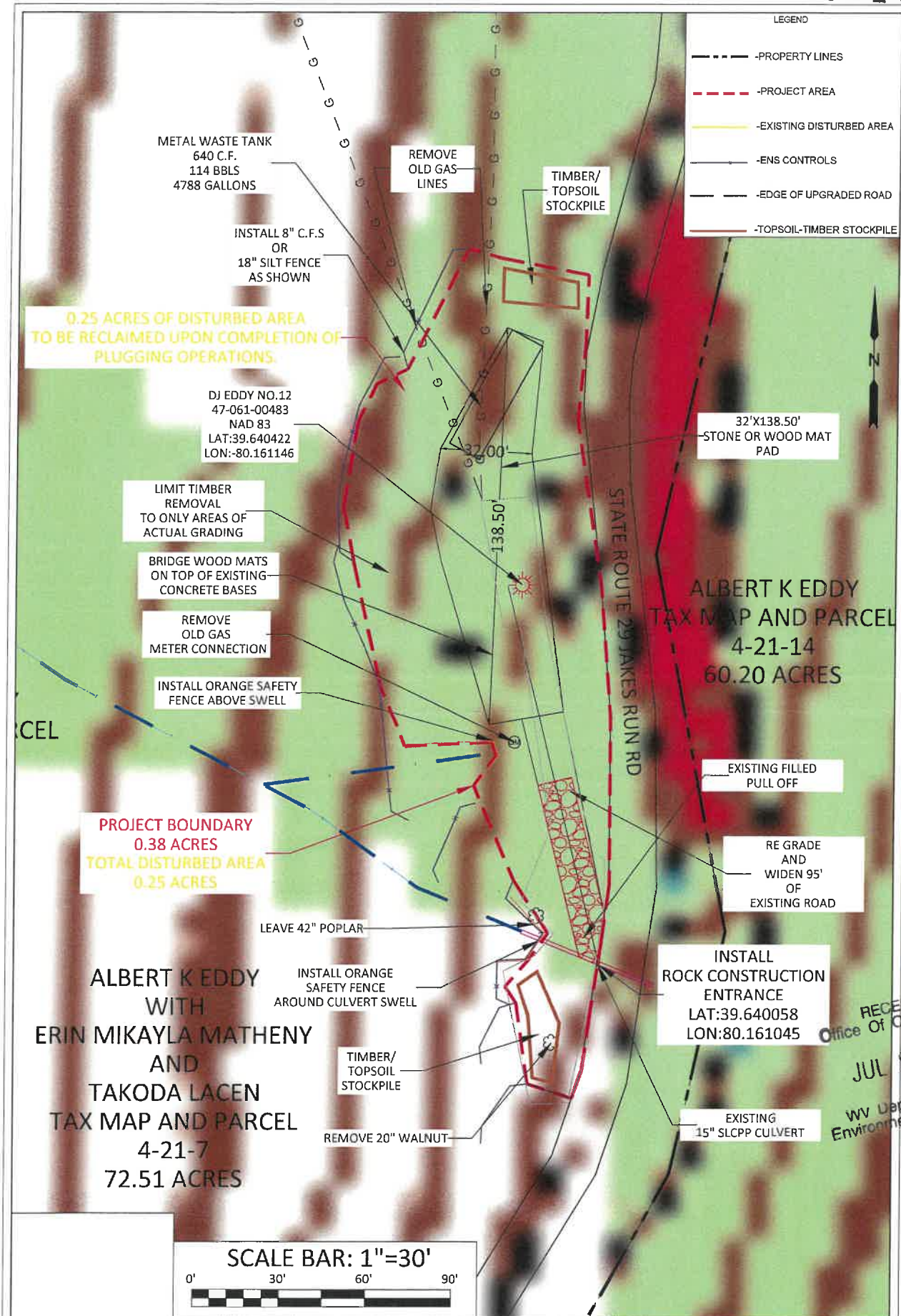
Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Title: Inspector

Date: 7-18-2023

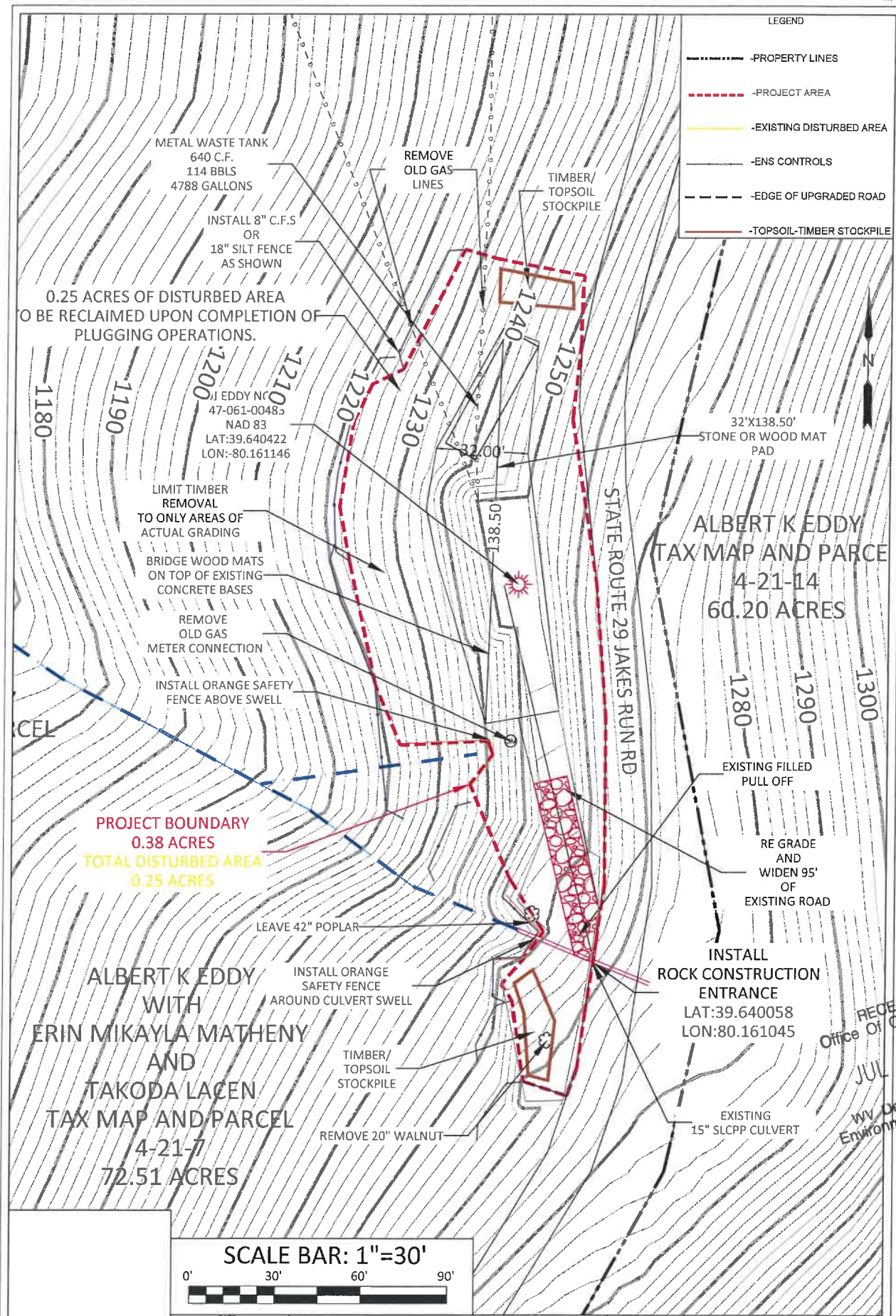
Field Reviewed? (  ) Yes (  ) No

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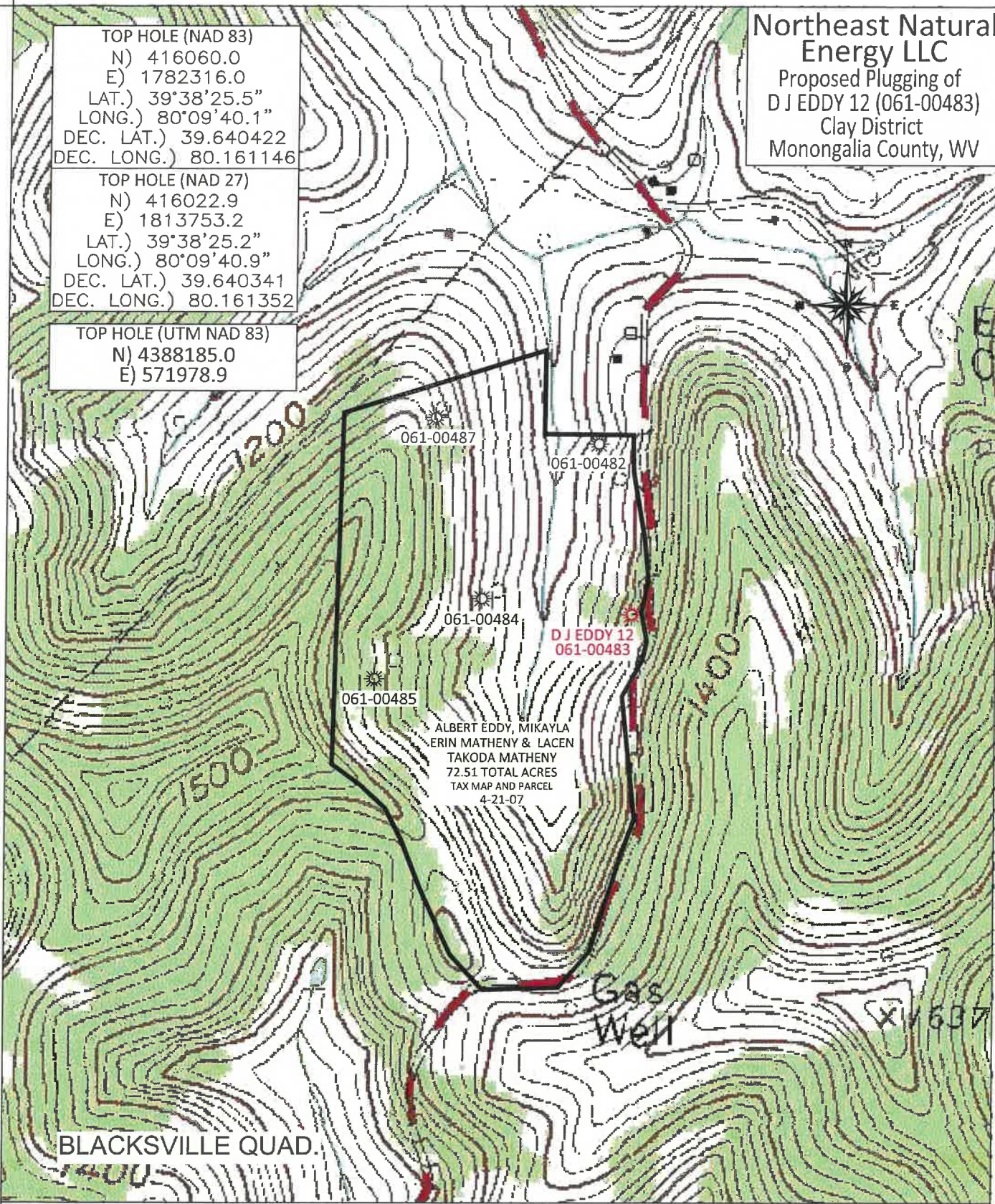
08/29/2023

Northeast Natural Energy LLC  
Proposed Plugging of  
D J EDDY 12 (061-00483)  
Clay District  
Monongalia County, WV

TOP HOLE (NAD 83)  
N) 416060.0  
E) 1782316.0  
LAT.) 39°38'25.5"  
LONG.) 80°09'40.1"  
DEC. LAT.) 39.640422  
DEC. LONG.) 80.161146

TOP HOLE (NAD 27)  
N) 416022.9  
E) 1813753.2  
LAT.) 39°38'25.2"  
LONG.) 80°09'40.9"  
DEC. LAT.) 39.640341  
DEC. LONG.) 80.161352

TOP HOLE (UTM NAD 83)  
N) 4388185.0  
E) 571978.9



ALBERT EDDY, MIKAYLA  
ERIN MATHENY & LACEN  
TAKODA MATHENY  
72.51 TOTAL ACRES  
TAX MAP AND PARCEL  
4-21-07

BLACKSVILLE QUAD.

BOORD, BENCHEK and ASSOC., INC.  
Engineering, Surveying, Construction,  
and Mining Services  
Southpointe, PA 15317 Phone: 724-746-1055



SCALE 1" = 600'

APRIL 5, 2023

08/29/2023

4706100483F

WW-7  
8-30-06



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

API: 47-061-00483 WELL NO.: 12

FARM NAME: DJ Eddy

RESPONSIBLE PARTY NAME: NNE Resources LLC

COUNTY: Monongalia DISTRICT: Clay

QUADRANGLE: Blacksville

SURFACE OWNER: Lacen Takoda Matheny

ROYALTY OWNER: Northeast Natural Energy LLC

UTM GPS NORTHING: 4388185.0

UTM GPS EASTING: 571978.9 GPS ELEVATION: 1,256'

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.

Hollmes  
Signature

Regulatory Manager  
Title

7/18/23  
Date

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