



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, 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 11
47-061-00482-00-00

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: 11
Farm Name: EDDY, D. J.
U.S. WELL NUMBER: 47-061-00482-00-00
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

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.

4706100482P

WW-4B
Rev. 2/01

1) Date July 18, 2023
2) Operator's Well No. DJ Eddy 11
3) API Well No. 47-081 - 00482

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 1,139' Watershed Dunkard Creek
District Clay County Monongalia Quadrangle Blacksville

6) Well Operator NNE Resources 7) Designated Agent Hollie Medley, Regulatory Manager
Address 707 Virginia St. E, Suite 1200 Address 48 Donley St., Suite 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 plugging procedure NO RECORDS AVAILABLE.

Will use plan for off-set well API No. 47-061-00483P.

- * Minimum of 100' Class A or L plugs across all casing cuts.
- * Must use expanding cement from 200' below coal to 100' above.

OFF-SET RECORDS ATTACHED.

gwn

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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: 2023.07.18
15:55:25 -0400

08/29/2023



northeast

NATURAL ENERGY

DJ Eddy 11 – Plugging Procedure Revision 1 (08/30/2023)
Clay District, Monongalia County, WV
API Number: 47-061-00482

Introduction

Approval is requested to perform the initial plugging on the DJ Eddy 11 well. The DJ Eddy 11 is a vertical shallow well located in Clay District, Monongalia County, WV. This well was drilled to a depth of approximately 2,000'. The DJ Eddy 11 is not a producing well and is recommended to be plugged and abandoned.

Well Data

The DJ Eddy 11 was completed on April 14, 1896 in Clay District, Monongalia County, WV. It was drilled to a depth of ~2,000 ft.

DJ Eddy 11 Depths

Casing	Depth (ft)
Conductor	14
10" Casing	600
8 1/4" Casing	1,430
6 5/8" Casing	1,590
5 3/16" Casing	313

*All 10" Casing Pulled.

*Assumed to be a liner. Bottom @ 1903'

Formation	Depth (ft)
Pgh Coal	580
Top of Big Injun	1,858
1st Pay (oil)	1,958
2nd Pay (good)	1,967

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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 nearby DJ Eddy 12 well (47-061-0483). It can be assumed a similar series of workovers were done on the DJ Eddy 11 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 only a wellhead (no pumpjack or equipment). The wellhead is buried in thick brush and inaccessible.

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Driving Directions

Entrance Location: N39.642487, W80.161249

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 5.78 miles to the gravel entrance to the DJ Eddy 11 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 1590'. 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	14		
	10" Casing (previously pulled)	580	Pittsburgh Coal	
		600		
		<i>100' PLUGS ACROSS ALL CASING CUTS.</i>		
	8-1/4" Casing	<i>g.w.m.</i>		
		1,430		
	6-5/8" & 5-3/16" Casing			
		1,590		
	5-3/16" Liner			
		1,858	Big Injun	
1,903				
Openhole	1,958	1st Pay		
	1,967	2nd Pay		
	2,000	Total Depth		

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IPANTS:

DATE: JAN 28 1981

BUYER-SELLER CODE

OPERATOR:

Pennzoil Company

014730

PURCHASER:

Not Dedicated

OFF SET 4706100483P

CR:

RECORDS

FOR 47-061-00482

Va. Department of Mines, Oil & Gas Division
WELL DETERMINATION FILE NUMBER

0-08-27-108-061-0493

Qualifies J.F. Huggins

JWH

Above File Number on all Communications
Relating to Determination of this Well

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: 1-24-76 Date completed: 5-76-1896 Deepened _____
- (5) Production Depth: 1991-2091
- (5) Production Formation: Big Epsilon
- (5) Final Open Flow: N/A
- (5) After Frac. R. P. N/A
- (6) Other Gas Test: _____
- (7) Avg. Daily Gas from Annual Production: $\frac{2624}{365} = 7.2 \text{ mcf}$, oil $\frac{246}{365} = 0.6 \text{ BBL}$
- (8) Avg. Daily Gas from 90-day ending w/1-120 days $\frac{618}{91} = 6.8 \text{ mcf}$, oil $\frac{79}{91} = 0.8 \text{ BBL}$
- (8) Line Pressure: N/A PSIG from Daily Report _____
- (10) Oil Production: N/O From Completion Report /
- 17. Does lease inventory indicate enhanced recovery being done N/O
- 17. Is affidavit signed? / Notarized? /
- es official well record with the Department confirm the submitted information? N/O
- ditional information _____ Does computer program confirm? _____
- s Determination Objected to _____ By Whom? _____

08/29/2023

No. 0420

Acres 333

Farm Name ...

4706100483P
Well No. 1.C

S. E. W. Location Made Purchased From
 District Clay Rig Completed Jun. 10, 1896 Date Purchased
 County Monongalia Dr'g Commenced Jan. 24, 1896 Sold To
 State West Va. Dr'g Completed Mar. 16, 1896 Date Sold
 Rights Owned By Dr'g Contractor Date Abandoned

OFF SET RECORD

Casing Head FORMATION 12" Feb. 1941				By M.C. West Foreman CASING RECORD					
Kind	Top	Bottom	Steel Line Measurement	Tests	Size	Bottom Casing (Steel Line)	Put In Well (Tally Meas.)	Pulled (Tally Meas.)	Cement
Conductor	27				10"		720'	720'	Date
Sh. Coal	695'				8 1/2"		847'		Size Cg.
Rig Injun	1998'				6, 5/8"		1715'		Top "
St. pay-Good	2091'				5, 3/16"		265'		Bot. "
					5 1/4"		1721'		
total depth		2117'							

PACKERS AND SHOES			
Kind	Size	Depth Set	Date Set
Parmer Bottom Hole	5 1/2 x 7 1/2"		9-12-35

TORPEDO RECORD					
Date	No. Qts.	Size Shell	Top Shot	Bottom	Result
2/30/1905	- 10	3 1/2" X 10"	- 2091		
1/22/1906	- 20				
10/3/1906	- 40				
1/29/1909	- 40	2-20ct. shells	4 1/2" X 10"		
		top 1st. shell	2090'	Top 2nd. shell	2039
8/10-1932	20	4 1/2" X 7"	2090	2097	

DRILLING DEEPER				
Commenced	Completed	Original Depth	Final Depth	Contractor

ABANDONMENT RECORD					
Filled With	From	To	PLUG		
			Size	Kind	Depth

Prod.	Sand	* At Completion	* 30Days After	*

APPROVED

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 JUL 26 1963
 U.S. Department of
 Environmental Protection
 Sup:

47-061-0483

08/29/2023

4706100482P

WW-4A
Revised 6-07

1) Date: 7/18/2023
2) Operator's Well Number
DJ Eddy 11

3) API Well No.: 47 - 061 - 00482

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

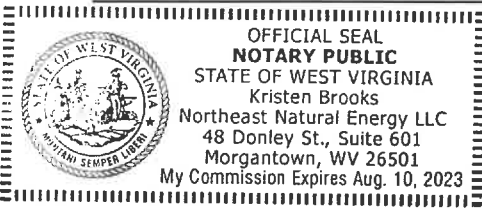
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Albert K. Eddy</u>	Name _____
Address <u>2376 Jakes Run Rd.</u>	Address _____
<u>Fairview, WV 26570</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name _____
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Gayne Knitowski</u>	(c) Coal Lessee with Declaration
Address <u>PO Box 108</u>	Name _____
<u>Gormanian, WV 26720</u>	Address _____
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: [Signature]
 Its: Regulatory Manager
 Address 707 Virginia St. E, Suite 1200
Charleston, WV 25301
 Telephone 304-414-7060

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 Office Of Oil and Gas
JUL 26 2023
 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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For delivery information, visit our website at www.usps.com™.

Fairview, WV 26570

Certified Mail Fee	\$4.35
Extra Services & Fees (check box, add fee as appropriate)	\$3.55
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00

Postage \$1.38

Total P \$9.28



Albert K. Eddy
2376 Jakes Run Rd.
Fairview, WV 26570

PS Form 3800, April 2012 Instructions

7021 2720 0001 9603 8835

4706100482P

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west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, SE
Charleston, WV 25304
Phone (304) 926-0450

Harold D. Ward, Cabinet Secretary
dep.wv.gov

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

**IN THE MATTER OF A VARIANCE FROM)
LEGISLATIVE RULE 35CSR4)
SECTION 14.1. AND LEGISLATIVE RULE)
35CSR8 SECTION 20.1,)
RELATING TO THE CEMENTING)
OF OIL AND GAS WELLS)**

ORDER NO. 2022-13

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.

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WV Department of
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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.

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.

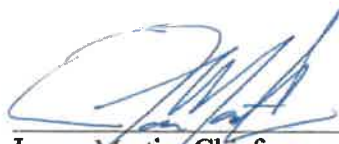
ORDER

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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08/29/2023

WW-9
(5/16)

4706100482 P

API Number 47 - 061 - 00482
Operator's Well No. D/Eddy II

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.? NA

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. Remove 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

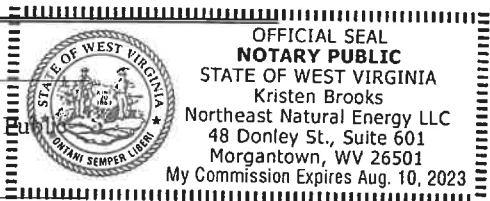
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OFFICE OF OIL AND GAS
WV Department of Environmental Protection

Subscribed and sworn before me this 18th day of July, 2023, 20

Kristen Brooks Notary Public

My commission expires August 10, 2023



08/29/2023

Proposed Revegetation Treatment: Acres Disturbed 0.48 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	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: 2023.07.20 13:52:37 -0400

Comments: _____

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Office Of Oil and Gas

JUL 26 2023

WV Department of
Environmental Protection

Title: Inspector Date: 7-18-2023

Field Reviewed? Yes No

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:

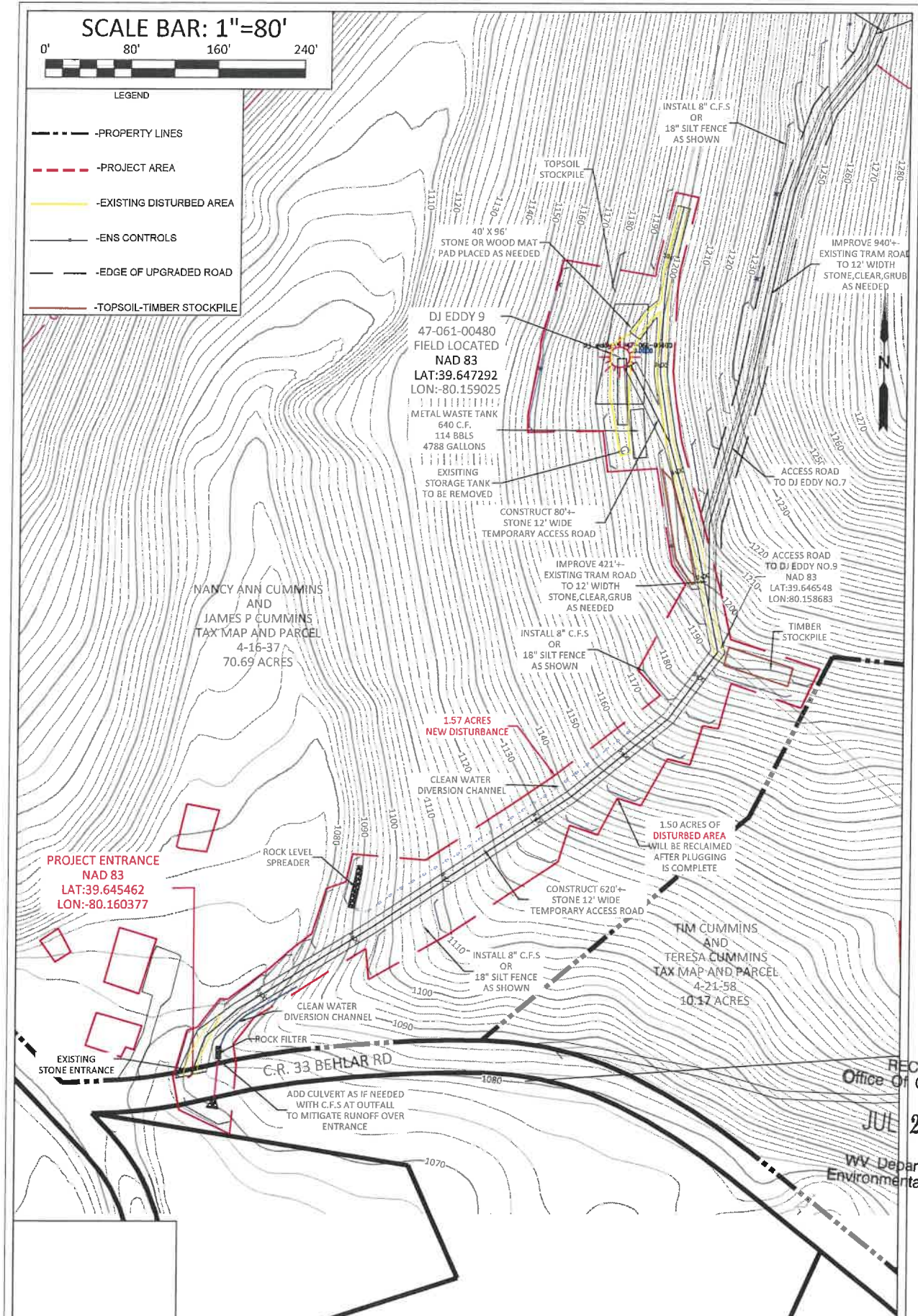
UIC Well Name	Owner/Operator	API No.
K & H Disposal	Central Environmental Services	47-061-01689
Dennison Disposal Well	Dennison Disposal	34-157-2-5507
Nichols	Tidal Logistics	34-167-2-3862
Goff	Tidal Logistics	34-119-2-8776
Clearwater 3	Tidal Logistics	34-059-2-3986
Bo	Tidal Logistics	34-059-2-4473
Shields	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

SCALE BAR: 1"=80'



LEGEND

- PROPERTY LINES
- PROJECT AREA
- EXISTING DISTURBED AREA
- ENS CONTROLS
- EDGE OF UPGRADED ROAD
- TOPSOIL-TIMBER STOCKPILE



PROJECT ENTRANCE
NAD 83
LAT:39.645462
LON:-80.160377

DJ EDDY 9
47-061-00480
FIELD LOCATED
NAD 83
LAT:39.647292
LON:-80.159025

NANCY ANN CUMMINS
AND
JAMES P CUMMINS
TAX MAP AND PARCEL
4-16-37
70.69 ACRES

TIM CUMMINS
AND
TERESA CUMMINS
TAX MAP AND PARCEL
4-21-58
10.17 ACRES

RECEIVED
Office of Oil and Gas
JUL 26 2023
WV Department of
Environmental Protection

DATE:
MARCH 2020
DJ EDDY NO. 6
SHALLOW WELL
47-061-00477
CLAY DISTRICT,
MONONGALIA
COUNTY, WV

WW-8 REC PLAN
DJ EDDY NO.9

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, PA 15317 Phone: 724-746-0055

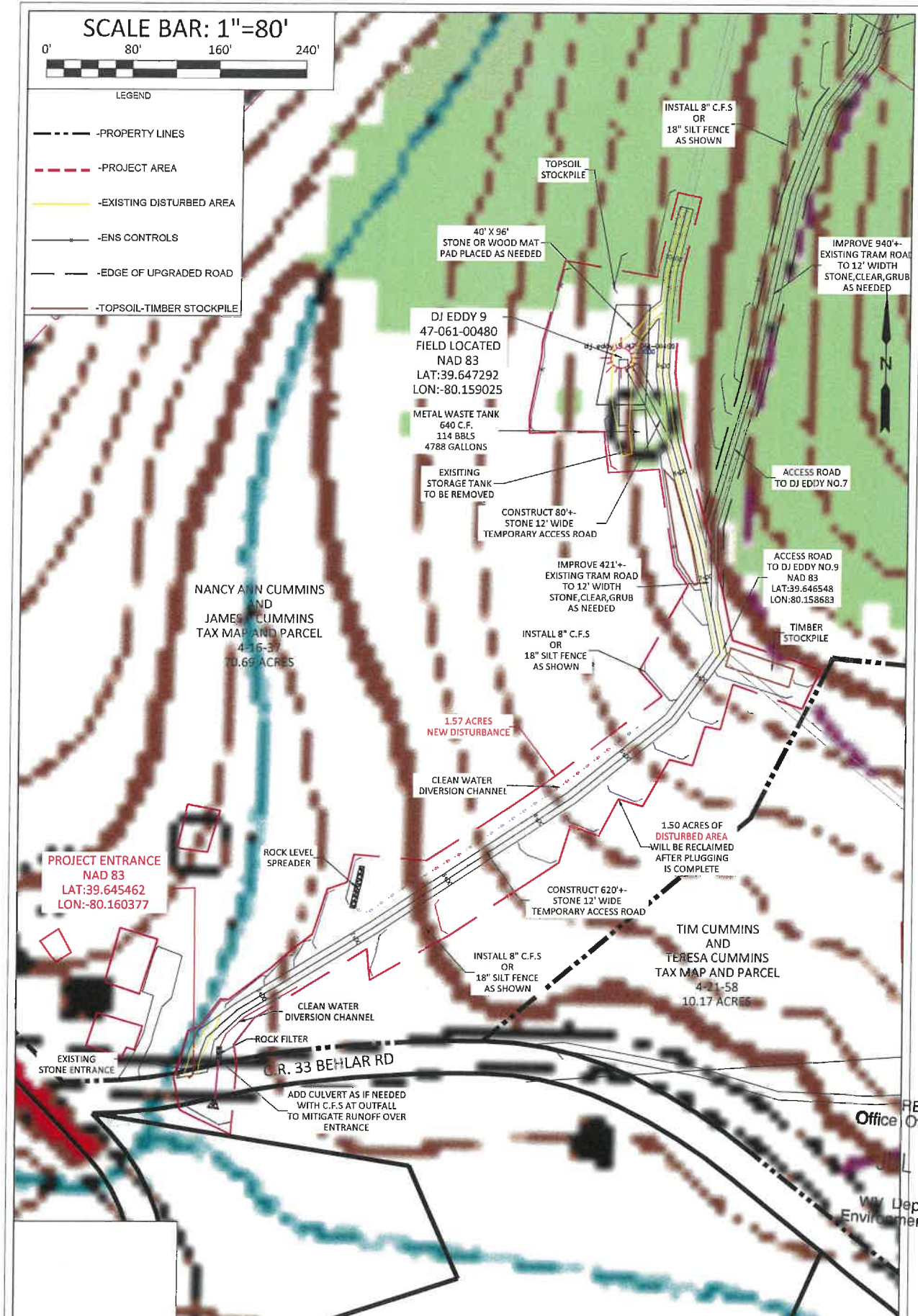
08/29/2023

SCALE BAR: 1"=80'

0' 80' 160' 240'

LEGEND

- - - - -PROPERTY LINES
- - - - -PROJECT AREA
- EXISTING DISTURBED AREA
- ENS CONTROLS
- EDGE OF UPGRADED ROAD
- TOPSOIL-TIMBER STOCKPILE



RECEIVED
Office Of Oil and Gas
JUL 26 2023
WV Department of Environmental Protection

DATE:
MARCH 2020
DJ EDDY NO. 5
SHALLOW WELL
47-061-00477
CLAY DISTRICT,
MONONGALIA
COUNTY, WV

WW-8 REC PLAN
DJ EDDY NO.9
THIS DOCUMENT WAS PREPARED BY:
BOORD, BENCHEK AND ASSOC., INC.
FOR:NORTHEAST NATURAL ENERGY LLC
SHEET 2 OF 3

BOORD, BENCHEK and ASSOC., INC.
Engineering, Surveying, Construction,
and Mining Services
Southpointe, PA 15317 Phone: 724-748-8100

08/29/2023

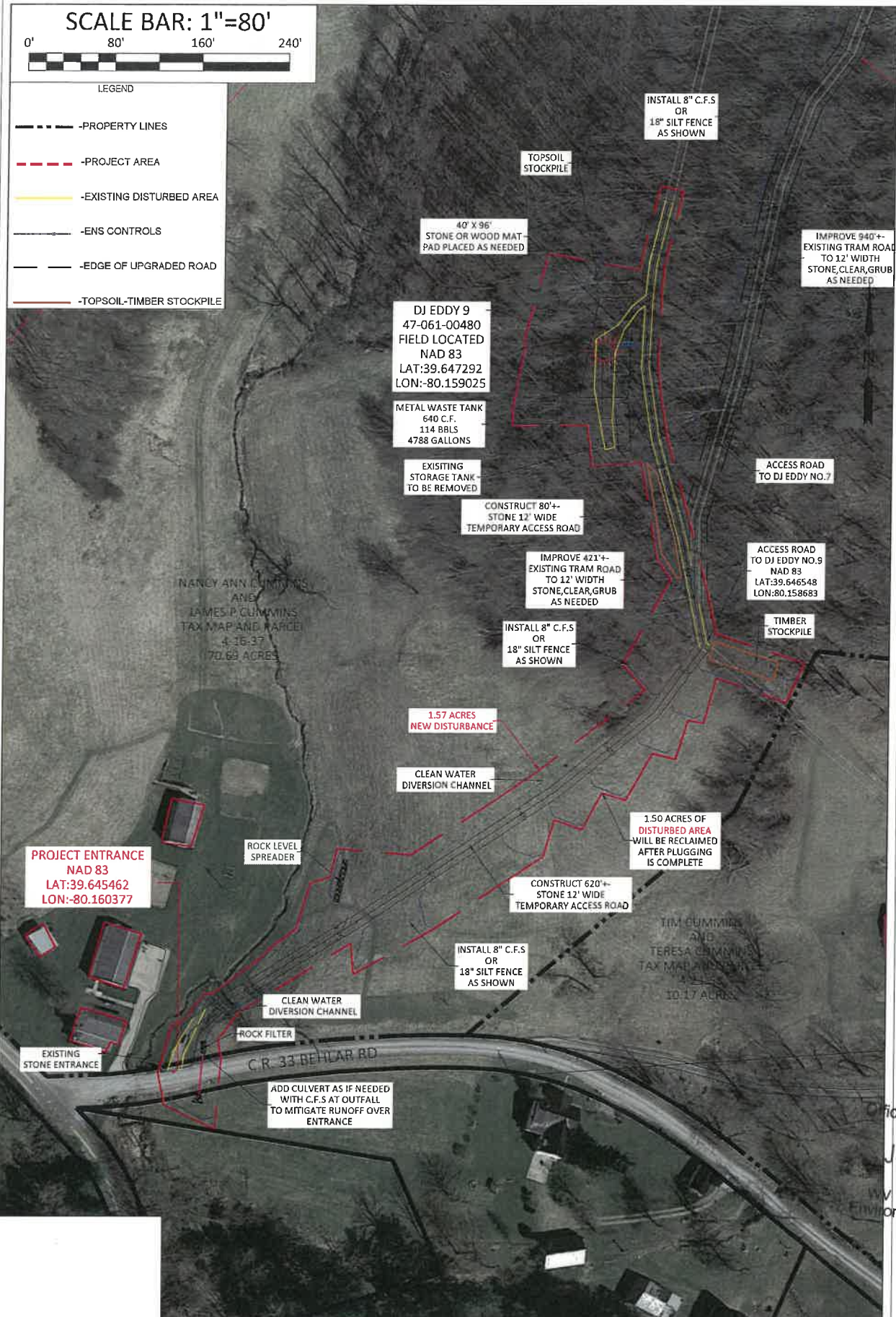
SCALE BAR: 1"=80'

0' 80' 160' 240'



LEGEND

- PROPERTY LINES
- PROJECT AREA
- EXISTING DISTURBED AREA
- ENS CONTROLS
- EDGE OF UPGRADED ROAD
- TOPSOIL-TIMBER STOCKPILE



PROJECT ENTRANCE
NAD 83
LAT:39.645462
LON:-80.160377

DJ EDDY 9
47-061-00480
FIELD LOCATED
NAD 83
LAT:39.647292
LON:-80.159025

METAL WASTE TANK
640 C.F.
114 BBLs
4788 GALLONS

EXISTING
STORAGE TANK
TO BE REMOVED

CONSTRUCT 80'+-
STONE 12' WIDE
TEMPORARY ACCESS ROAD

IMPROVE 421'+-
EXISTING TRAM ROAD
TO 12' WIDTH
STONE, CLEAR, GRUB
AS NEEDED

INSTALL 8" C.F.S
OR
18" SILT FENCE
AS SHOWN

1.57 ACRES
NEW DISTURBANCE

CLEAN WATER
DIVERSION CHANNEL

1.50 ACRES OF
DISTURBED AREA
WILL BE RECLAIMED
AFTER PLUGGING
IS COMPLETE

CONSTRUCT 620'+-
STONE 12' WIDE
TEMPORARY ACCESS ROAD

INSTALL 8" C.F.S
OR
18" SILT FENCE
AS SHOWN

CLEAN WATER
DIVERSION CHANNEL

ROCK FILTER

ADD CULVERT AS IF NEEDED
WITH C.F.S AT OUTFALL
TO MITIGATE RUNOFF OVER
ENTRANCE

RECEIVED
Office Of Oil and Gas
JUL 26 2023
Department of
Environmental Protection

DATE:
MARCH 2020
DJ EDDY NO. 6
SHALLOW WELL
47-061-00477
CLAY DISTRICT,
MONONGALIA
COUNTY, WV

WW-8 REC PLAN
DJ EDDY NO.9

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, PA 15317 Phone: 724-746-3000

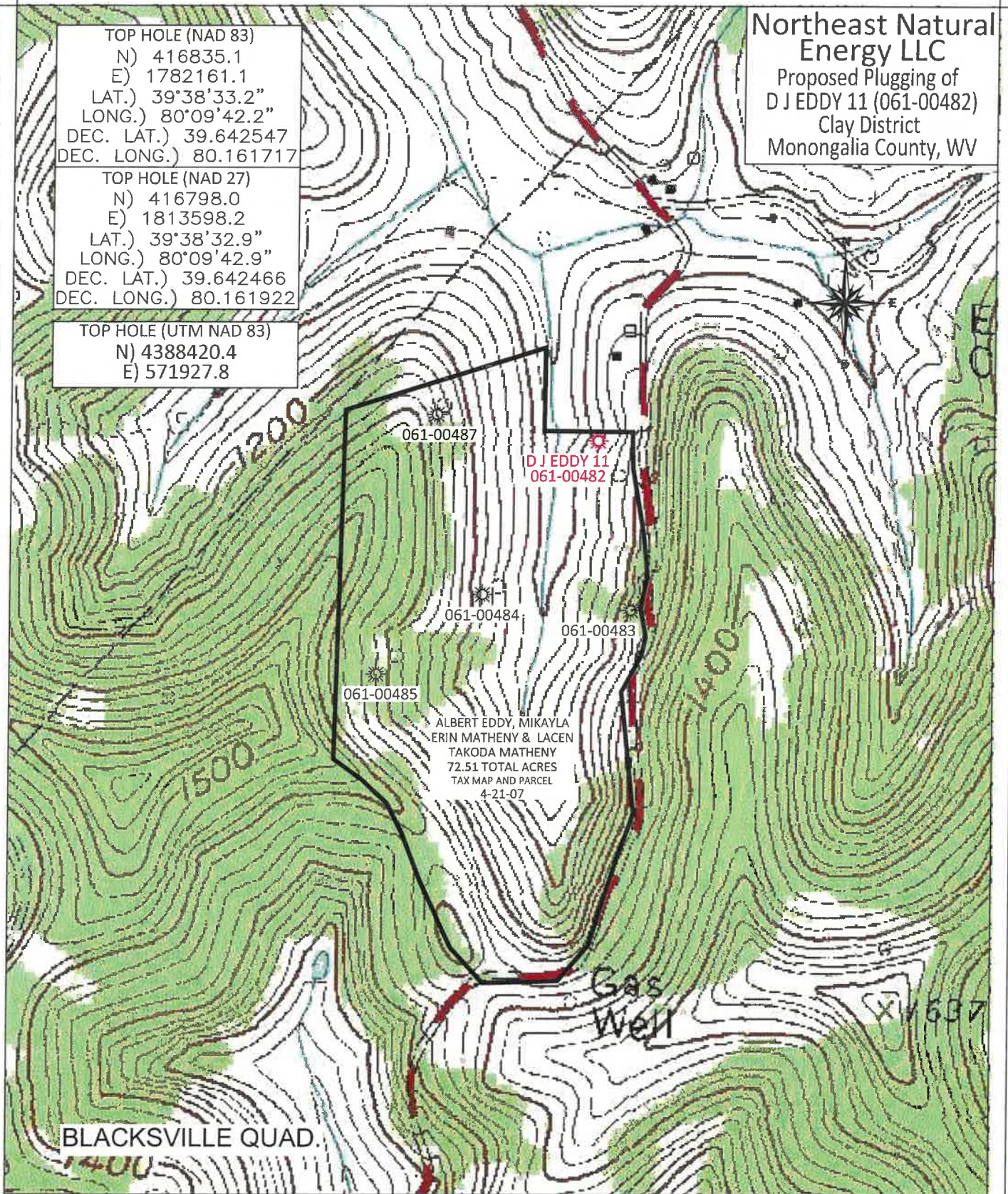
08/29/2023

TOP HOLE (NAD 83)
N) 416835.1
E) 1782161.1
LAT.) 39°38'33.2"
LONG.) 80°09'42.2"
DEC. LAT.) 39.642547
DEC. LONG.) 80.161717

TOP HOLE (NAD 27)
N) 416798.0
E) 1813598.2
LAT.) 39°38'32.9"
LONG.) 80°09'42.9"
DEC. LAT.) 39.642466
DEC. LONG.) 80.161922

TOP HOLE (UTM NAD 83)
N) 4388420.4
E) 571927.8

Northeast Natural
Energy LLC
Proposed Plugging of
D J EDDY 11 (061-00482)
Clay District
Monongalia County, WV



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

WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-061-00482 WELL NO.: 11

FARM NAME: DJ Eddy

RESPONSIBLE PARTY NAME: NNE Resources LLC

COUNTY: Monongalia DISTRICT: Clay

QUADRANGLE: Blacksville

SURFACE OWNER: Albert K. Eddy

ROYALTY OWNER: Northeast Natural Energy LLC

UTM GPS NORTHING: 4388420.4

UTM GPS EASTING: 571927.8 GPS ELEVATION: 1,139'

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 Manaer
Title

7/18/23
Date

RECEIVED
Office Of Oil and Gas

JUL 28 2023

WV Department of
Environmental Protection