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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

Austin Caperton, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Friday, July 17, 2020

WELL WORK PLUGGING PERMIT  
Vertical Plugging

NNE RESOURCES LLC  
707 VIRGINIA STREET EAST, SUITE 1200

CHARLESTON, WV 25301


Re: Permit approval for MOORE & EDDY 5  
47-061-00506-00-00

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: MOORE & EDDY 5  
Farm Name: NANCY E. FACEMIRE AND   
U.S. WELL NUMBER: 47-061-00506-00-00  
Vertical Plugging  
Date Issued: 7/17/2020

## 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. This well is under a consent order and must be plugged within two years of the date of issuance of this permit.

I

47-061-00506 P

WW-4B  
Rev. 2/01

1) Date \_\_\_\_\_, 20\_\_\_\_  
2) Operator's  
Well No. Moore & Eddy 5  
3) API Well No. 47-061 - 00506 P

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 1,335' Watershed Dunkard Creek  
District Clay County Monongalia Quadrangle Blacksville

6) Well Operator NNE Resources LLC 7) Designated Agent Hollie M. Medley  
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 P.O. Box 108 Address \_\_\_\_\_  
Gormanian, WV 26720

10) Work Order: The work order for the manner of plugging this well is as follows:  
**Please see attached Plugging Procedure**

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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 \_\_\_\_\_

Digitally signed by Gayne Knitowski  
Date: 2020.04.02 10:42:35 -0400



# northeast

## NATURAL ENERGY

**Moore & Eddy-5**  
**Monongalia County, WV**  
**API Number: 4706100506**  
**AFE Number: TBD**  
**Plugging Procedure**

### Discussion

Approval is requested to perform the initial plugging on the Moore & Eddy 5 Well. The Moore & Eddy 5 is a vertical well located in Monongalia County, WV. The Moore & Eddy 5 was drilled to a depth of 2,220' on May 16, 1893. Production from this well has been very low for numerous years. The Moore & Eddy 5 is recommended to be plugged and abandoned.

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**WELL DATA**

Location (Surface)	Lat 39.6505838 Long.- 80.1567382
TD*	2,220'
PBTD	NA
Packer	NA
Marker Joint	NA

**CASING AND TUBULAR DATA (No logs available)**

STRING	SIZE	WEIGHT/GRADE	DEPTH	THREAD	TOC
Conductor	10"	N/A	unknown	N/A	N/A
Surface	8-1/4"	N/A	unknown	N/A	N/A
Intermediate	6-5/8"	N/A	unknown	N/A	N/A
Production	5-3/16"	N/A	2220'	N/A	N/A

**CAPACITIES (estimates)**

SIZE	WEIGHT	CAPACITY (GAL/FT.)	CAPACITY (BBL/FT.)
10**	N/A	4.192	0.0998
8 1/4**	N/A	2.738	0.0652
6 5/8"	N/A	1.536	0.0365
5 3/16**	N/A	1.038	0.0247
2 3/8"	4.7#	0.16239	0.00387

SIZE	WEIGHT	CAPACITY (CU FT/FT.)	CAPACITY (BBL/FT.)
10**	N/A	0.5603	0.0998
8 1/4**	N/A	0.3659	0.0652
6 5/8"	N/A	0.2052	0.0365
5 3/16**	N/A	0.1387	0.0247
2 3/8"	4.7#	0.02171	0.00387

\* The asterisks represent sizes where estimates were used to produce the capacity data. For the 10" casing the capacity of a 35.75#/ft 10 3/4" casing was used. For the 8 1/4" casing capacities a 20#/ft 8 5/8" casing was used. For the 5 3/16" casing capacities a 13#/ft 5 1/2" casing was used.

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**DRIVING DIRECTIONS****From Morgantown:**

Travel on US-19 N to Star City

Continue on US-19 N for 3-4 miles

Turn Left onto Route 7

From Route 7 turn onto Pedlar Run Road for 3.2 miles.

Then stay right on Pedlar Run Road .Look for entrance on the right.

**SCOPE OF OPERATION**

1. Safety is the highest priority. Control costs and avoid unnecessary expenditures.
2. Attempt to cut or pull all recoverable casing.
3. TIH with 1 1/2" tubing to estimated TD of 2,220'.
4. Pump cement and gel plugs per state requirements.
5. Bury and plat a well monument with WV State API number.

**PROCEDURE**

Safety is the number one priority. Well site safety meetings will be held before each major operation

- 1) MIRU construction equipment and remove any tanks, separators, well lines, meter runs, etc.
- 2) MIRU service rig & needed BOP equipment
- 3) TOOH strapping rods and or tubing
- 4) Log to bottom of hole to double check depth
- 5) TIH strapping tubing to 2200'
- 6) Set BHP ~ 20-30 sks of Class A cement (150-300' cement plug)
- 7) TOOH with tubing/WOC
- 8) Log TOC
- 9) Cut casing and pull 1.5 times weight
- 10) Pull all casing strapping and laying down
- 11) TIH w/tubing to set cement plug
- 12) Set cement plug (~80 sks 600') ← 50' BELOW CUT & 50' ABOVE CUT
- 13) Run log to find TOC
- 14) TIH with tubing to set plug
- 15) Cement to ~400'
- 16) TIH tag cement
- 17) Cement to surface
- 18) Cut all casing 36 inches below GL. Install a monument to WV state requirements
- 19) RDMO all service equipment providers and reclaim location to WV State requirements

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Gayne

Knitowski

Digitally signed by  
Gayne Knitowski  
Date: 2020.04.02  
10:41:53 -04'00'

PERSONNEL / PHONE LIST

Production Manager	John Landis	(304) 212-0434
WV State Inspector	Gayne Knitowski	(304) 546-8171

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# SOUTH PENN OIL COMPANY.

Wells Completed Fairview District.

NAME AND NO. OF WELL.	TOWNSHIP OR DISTRICT.	COUNTY.	STATE.	DATE COMPLETED.	DEPTH.
<i>Moore &amp; Eddy #5</i>	<i>Clay</i>	<i>Monongalia</i>	<i>W. Va.</i>	<i>May 16 1893</i>	<i>2220</i>
	<i>30 Bbls.</i>				





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

Enter Permit #: 00506

- [Table Descriptions](#)
- [County Code Translations](#)
- [Permit-Numbering Series](#)
- [Usage Notes](#)
- [Contact Information](#)
- [Disclaimer](#)
- [WVGES Main](#)
- ["Pipeline-Plus" New](#)

WW Geological & Economic Survey:

Well: County = 61 Permit = 00506

Report Time: Wednesday, May 27, 2020 3:44:02 PM

Location Information: [View Map](#)

API	COUNTY	PERMIT	TAX_DISTRICT	QUAD_75	QUAD_15	LAT_DD	LON_DD	UTME	UTMN
4706100506	Monongalia	506	unknown	unknown	unknown				

There is no Bottom Hole Location data for this well

Owner Information:

API	CMP_DT	SUFFIX	STATUS	SURFACE_OWNER	WELL_NUM	CO_NUM	LEASE	LEASE_NUM	MINERAL_OWN	OPERATOR_AT_COMPLETION	PROP_VD	PROP_TRGT_FM	TFM_EST_PR
4706100506	-/-	-/-	Original Loc Completed	Moore-Eddy	5					Pennzoil Company			

Completion Information:

API	CMP_DT	SPUD_DT	ELEV	DATUM	FIELD	DEEPEST_FM	DEEPEST_FMT	INITIAL_CLASS	FINAL_CLASS	TYPE	RIG	CMP_MTHD	TVD	TMD	NEW_FTG	KOD	G_BEFO	G_AFT	O_BEFO	O_AFT
4706100506	-/-	-/-			Unnamed			unclassified	unclassified	not available	unknown	unknown			0		0	0	0	0

There is no Pay data for this well

Production Gas Information: (Volumes in Mcf) \* 2019 data for H6A wells only. Other wells are incomplete at this time.

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_GAS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4706100506	Pennzoil Company	1981	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100506	Pennzoil Company	1982	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100506	Pennzoil Company	1983	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100506	Pennzoil Company	1984	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100506	Pennzoil Products Company	1989	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100506	Eddy Mark & Harry	1992	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100506	Eddy Mark & Harry	1993	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100506	Eddy Mark & Harry	1994	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100506	Eddy Mark & Harry	1998	168	14	14	14	14	14	14	14	14	14	14	14	14
4706100506	Eddy Mark & Harry	2002	60	6	7	7	6	5	9	3	1	1	4	7	4
4706100506	Eddy Mark & Harry	2003	41	4	5	4	2	2	3	3	2	4	6	3	3
4706100506	Eddy Mark & Harry	2004	36	3	3	3	3	3	3	3	3	3	3	3	3
4706100506	Eddy Mark & Harry	2005	48	4	4	4	4	4	4	4	4	4	4	4	4
4706100506	Eddy Mark & Harry	2006	48	4	4	4	4	4	4	4	4	4	4	4	4
4706100506	Eddy Mark & Harry	2007	3	1	1	1	0	0	0	0	0	0	0	0	0
4706100506	Eddy Mark & Harry	2008	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100506	Eddy Mark & Harry	2009	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100506	Eddy Mark & Harry	2011	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100506	Eddy Mark & Harry	2011	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100506	Eddy Mark & Harry	2012	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100506	Eddy Mark & Harry	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100506	NNE Resources, LLC	2014	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100506	NNE Resources, LLC	2015	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100506	NNE Resources, LLC	2016	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100506	NNE Resources, LLC	2017	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100506	NNE Resources, LLC	2018	0	0	0	0	0	0	0	0	0	0	0	0	0

Production Oil Information: (Volumes in Bbl) \*\* some operators may have reported NGL under Oil \* 2019 data for H6A wells only. Other wells are incomplete at this time.

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_OIL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4706100506	Pennzoil Company	1981	35	0	0	0	0	0	0	0	0	0	0	0	0
4706100506	Pennzoil Company	1982	24	0	0	0	0	0	0	0	0	0	0	0	0
4706100506	Pennzoil Company	1983	33	0	0	0	0	0	0	0	0	0	0	0	0
4706100506	Pennzoil Company	1984	32	0	0	0	0	0	0	0	0	0	0	0	0
4706100506	Pennzoil Products Company	1989	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100506	Eddy Mark & Harry	1992	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100506	Eddy Mark & Harry	1993	60	5	5	5	5	5	5	5	5	5	5	5	5
4706100506	Eddy Mark & Harry	1994	24	2	2	2	2	2	2	2	2	2	2	2	2
4706100506	Eddy Mark & Harry	1998	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100506	Eddy Mark & Harry	2002	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100506	Eddy Mark & Harry	2003	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100506	Eddy Mark & Harry	2004	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100506	Eddy Mark & Harry	2005	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100506	Eddy Mark & Harry	2006	48	4	4	4	4	4	4	4	4	4	4	4	4
4706100506	Eddy Mark & Harry	2007	48	4	4	4	4	4	4	4	4	4	4	4	4
4706100506	Eddy Mark & Harry	2008	48	4	4	4	4	4	4	4	4	4	4	4	4
4706100506	Eddy Mark & Harry	2009	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100506	Eddy Mark & Harry	2011	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100506	Eddy Mark & Harry	2011	13	0	0	0	0	0	0	0	0	0	0	0	0
4706100506	Eddy Mark & Harry	2012	10	1	1	1	1	1	1	1	1	1	1	1	1
4706100506	Eddy Mark & Harry	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100506	NNE Resources, LLC	2014	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100506	NNE Resources, LLC	2015	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100506	NNE Resources, LLC	2016	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100506	NNE Resources, LLC	2017	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100506	NNE Resources, LLC	2018	0	0	0	0	0	0	0	0	0	0	0	0	0

Production NGL Information: (Volumes in Bbl) \*\* some operators may have reported NGL under Oil \* 2019 data for H6A wells only. Other wells are incomplete at this time.

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_NGL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4706100506	Eddy Mark & Harry	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100506	NNE Resources, LLC	2014	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100506	NNE Resources, LLC	2015	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100506	NNE Resources, LLC	2016	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100506	NNE Resources, LLC	2018	0	0	0	0	0	0	0	0	0	0	0	0	0

Production Water Information: (Volumes in Gallons) \* 2019 data for H6A wells only. Other wells are incomplete at this time.

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_WTR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4706100506	NNE Resources, LLC	2016	0	0	0	0	0	0	0	0	0	0	0	0	0
4706100506	NNE Resources, LLC	2018	0	0	0	0	0	0	0	0	0	0	0	0	0

There is no Stratigraphy data for this well

There is no Wireline (E-Log) data for this well

There is no Plugging data for this well

There is no Sample data for this well

WW-4A  
Revised 6-07

1) Date: 3/27/2020  
2) Operator's Well Number  
Moore & Eddy 5  
3) API Well No.: 47 - 061 - 00506

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

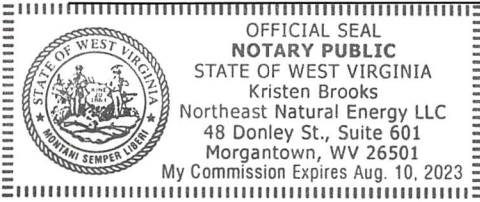
4) Surface Owner(s) to be served:	5) (a) Coal Owner: Pittsburgh Seam
(a) Name <u>See Attached</u>	Name <u>Consol Mining Company LLC</u>
Address _____	Address <u>1000 Consol Energy Drive</u>
	<u>Canonsburg, PA 15317</u>
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name _____
	Address _____
(c) Name _____	Name _____
Address _____	Address _____
6) Inspector <u>Gayne Knitowski</u>	(c) Coal Lessee with Declaration
Address <u>P.O. Box 108</u>	Name _____
<u>Gorman, 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	<u>NNE Resources LLC</u>	
By:	<u>Hollie Medley</u> <i>Hollie Medley</i>	
Its:	<u>Regulatory Manager</u>	
Address	<u>48 Donely St, Suite 601</u> <u>Morgantown, WV 26501</u>	
Telephone	<u>304-212-0422</u>	

Subscribed and sworn before me this 27th day of March, 2020  
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 [depprivacyoffier@wv.gov](mailto:depprivacyoffier@wv.gov).

**Moore & Eddy 5**  
WW-4A Attachment

**Pad – Surface Ownership**

David P. Walker  
811 Vermont Ave.  
Fairmont, WV 26554

Nancy E. Facemire  
920 Coleman Ave.  
Fairmont, WV 26554

**Access Road – Surface Ownership**

Mary H. Walker  
1611 S. Pomona D-11  
Fullerton, CA 92832

Joyce Bennett  
1790 Jakes Run Road  
Fairview, WV, 26570

David P. Walker  
811 Vermont Ave.  
Fairmont, WV 26554

Nancy E. Facemire  
920 Coleman Ave.  
Fairmont, WV 26554

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Environmental Protection

47-061-00506 P

WW-9  
(5/16)

API Number 47 - 061 - 00506  
Operator's Well No. Moore & Eddy 5

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 \_\_\_\_\_ )
- 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 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

RECEIVED  
Office of Oil and Gas  
APR 06 2020  
WV Department of  
Environmental Protection

Subscribed and sworn before me this 27th day of March, 2020, 20  
Kristen Brooks  
Notary Public  
My commission expires August 10, 2023



OFFICIAL SEAL  
NOTARY PUBLIC  
STATE OF WEST VIRGINIA  
Kristen Brooks  
Northeast Natural Energy LLC  
48 Donley St., Suite 601  
Morgantown, WV 26501  
My Commission Expires Aug. 10, 2023

## Attachment "B"

## Section V - Planned Disposal Method

The below listed UIC wells are all possibilities where flowback/produced water can be disposed:

UIC Well Name	Permit/API#	Operator	Latitude & Longitudes	County & State
K & H	4706101689	Central Environmental Services	39.235897, -81.757944	Athens County, OH
Dennison	3415725507	Dennison Disposal	40.407991, -81.311866	Tuscarawas County, OH
Nichols	3416723862	Nuverra Environmental Solutions	39.346783, -81.587640	Washington County, OH
Goff	3411928776	Nuverra Environmental Solutions	39.978168, -81.812152	Muskingum County, OH
Clearwater 3	3405923986	Nuverra Environmental Solutions	40.027672, -81.510341	Guernsey County, OH
Bo	3405924473	Nuverra Environmental Solutions	40.027672, -81.510342	Guernsey County, OH
Shields	3405924445	Nuverra Environmental Solutions	40.027171, -81.449562	Guernsey County, OH
Redbird #2	3416729731	Redbird Development, LLC	39.337326, -81.674314	Washington County, OH
Redbird #4	3416729767	Redbird Development, LLC	39.337326, -81.674314	Washington County, OH
Mills	3410523619	Omega Drilling/FQ Energy	38.936647, -81.781831	Meigs County, OH
Dexter City	3412124037	Omega Drilling/FQ Energy	39.653903, -81.476031	Noble County, OH
Ritchie	4708509721	Omega Drilling/FQ Energy	39.258578, -81.099936	Ritchie County, WV

NPDES (Treatment Plant)	Permit/API#	Operator	Latitude & Longitudes	County & State
Greene County Water Treatment	WMGR 123SW010	Greene County Water Treatment, Inc.	39.908575, -81.140846	Waynesburg, PA
Fairmont Brine	WVR 00521948	Fairmont Brine Processing	39.507327, -80.126389	Fairmont, WV
Appalachian Water Service	WMGR 123001	Nuverra Environmental Solutions	39.852370, -79.925116	Masontown, PA
Penneco	2D09300103002	Penneco	39.013264, -79.810137	Randolph, WV

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Form WW-9

Operator's Well No. \_\_\_\_\_

Proposed Revegetation Treatment: Acres Disturbed 0.70 Prevegetation pH TBD

Line 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: 2020.04.02 10:36:07 -0400

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

Reclaim site ASAP

Title: Inspector

Date: 4-2-2020

Field Reviewed? (  ) Yes (  ) No

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N/A

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: Moore & Eddy 5

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

NA

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

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

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

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

N/A

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

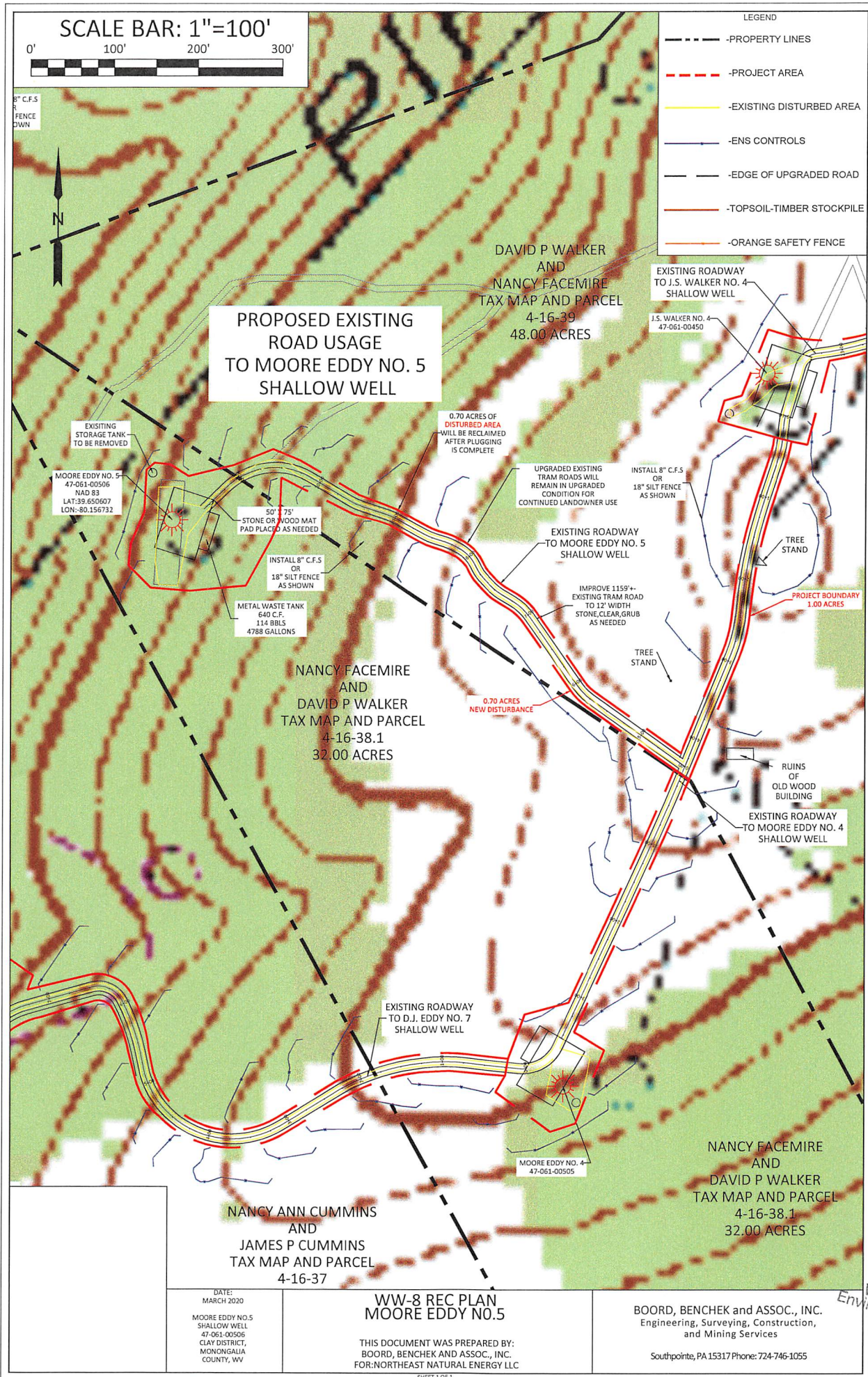
7. Describe the groundwater protection instruction and training to be provided to the employees. Job procedures shall provide direction on how to prevent groundwater contamination.

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

Signature: Holl: Medy

Date: 3-27-20





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WW-7  
8-30-06



West Virginia Department of Environmental Protection  
Office of Oil and Gas

**WELL LOCATION FORM: GPS**

API: 47-061-00506 WELL NO.: 5

FARM NAME: Moore & Eddy

RESPONSIBLE PARTY NAME: NNE Resources LLC

COUNTY: Monongalia DISTRICT: Clay

QUADRANGLE: Blacksville

SURFACE OWNER: Nancy E. Facemire and David P. Walker

ROYALTY OWNER: Alice Eddy Lemley

UTM GPS NORTHING: 4389316.34

UTM GPS EASTING: 572346.61 GPS ELEVATION: 1,335'

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 Mealy  
Signature

Regulatory Manager  
Title

3-27-20  
Date

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