



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

Tuesday, July 19, 2022
WELL WORK PLUGGING PERMIT
Vertical Plugging

NNE RESOURCES LLC
707 VIRGINIA STREET EAST, SUITE 1200

CHARLESTON, WV 25301

Re: Permit approval for BARRACKMAN 9
47-061-00992-00-00

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, Chief, is written over the text of his name and title.

Operator's Well Number: BARRACKMAN 9
Farm Name: EDDY, MARK & HARRY
U.S. WELL NUMBER: 47-061-00992-00-00
Vertical Plugging
Date Issued: 7/19/2022

Promoting a healthy environment.

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.

1) Date April 19, 2022
2) Operator's Well No. Barrackman 9
3) API Well No. 47-061-00992

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil ___ / Gas X / Liquid injection ___ / Waste disposal ___ /
(If "Gas, Production X or Underground storage ___) Deep ___ / Shallow X

5) Location: Elevation 1382' Watershed Dunkard Creek
District Clay County Monongalia Quadrangle Blacksville

6) Well Operator NNE Resources LLC 7) Designated Agent Hollie Medley
Address 707 Virginia Street East, Suite 1200 Address 48 Donley Street, Suite 601
Charleston, WV 25301 Morgantown, WV 26501

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Kenneth Greynolds Name TBD
Address 613 Broad Run Rd Address _____
Jane Lew, WV 26378

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

See attached REFER TO OFF-SET WELL RECORDS FOR
API NO: 47-061-00657 AND 47-061-00688.
BOTH DRILLED THROUGH GORDON.

61-00657 - SHOT THE GORDON @ 3205'
61-00688 - SHOT THE BIG INJUN @ 2387' (OIL SHOW)

THIS WELL PRODUCED OIL, PROBABLY THROUGH THE BIG INJUN.
MAKE SURE TO SET PLUG OVER BIG INJUN, @ 2300' AND COMING UP
HOLE COVER ALL OIL, GAS, WATER & COAL W/ CEMENT PLUGS.

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

Work order approved by inspector Kenneth Greynolds Date 4/15/22

Digitally signed by Kenneth Greynolds
DN: cn = Kenneth Greynolds email = Kenneth.L.Greynolds@wv.gov c = AD O = WVDEP OU = Oil and Gas
Date: 2022.04.15 08:34:10 -0400



northeast

NATURAL ENERGY

Barrackman 9
Clay District, Monongalia County, WV
API Number: 47-061-00992
Plugging Procedure

Discussion

Approval is requested to perform the initial plugging on the Barrackman 9 well. The Barrackman 9 is a vertical shallow well located in Clay District, Monongalia County, WV. This well was drilled to a depth of approximately 2,000'. Production from this well has been very low for numerous years. The Barrackman 9 is recommended to be plugged and abandoned.

Plug and Abandonment Procedure: THIS APPEARS TO BE A BIG INDIAN OIL WELL.

1. Ensure all necessary erosion and sediment control devices are in place.
2. Perform necessary earth work to establish access and work area for rig and equipment.
3. RIH with open ended tubing to determine PBTD. (BIG INDIAN) gum
4. Attempt to remove all casing by pulling a minimum of 150% of casing string weight.
5. If casing will not pull out, cut and remove as much casing as possible.
6. Log well to determine casing and coal depth.
7. Spot expandable cement from PBTD to 100' below coal to set solid cement plug.
8. Set a solid cement plug 100' above coal.
9. WOC expandable cement to harden.
10. Top off well to surface with Class A cement with no more than 3% CaCl₂ and no other additives.
11. Place well monument with API number on spot of well.
12. Reclaim site.
13. After 70% growth is observed remove any remaining erosion and sediment controls.

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 1½" tubing to estimated TD of 2,000'. ≈ 2300 Big Indian
4. Pump cement and gel plugs per state requirements.
5. Bury and plat a well monument with WV State API number.

PROCEDURE

OIL PRODUCTION FROM BIG INSUR X 2300'

- 1) Safety is the number one priority. Well site safety meetings will be held before each major operation
- 2) MIRU construction equipment and remove any tanks, separators, well lines, meter runs, exc.
- 3) MIRU service rig & needed BOP equipment
- 4) TOOH strapping rods and tubing
- 5) TIH strapping 1½" tubing to PBTD'
- 6) Pump 20 sks of Class A cement (150' cement plug), displace cement plug
- 7) TOOH with 1½" tubing
- 8) RIH with Mechanical Ripper on sand line to 1,600' and attempt to rip and retrieve 5 3/16" casing.
- 9) If Mechanical Ripper is not successful, contact NNE representative to discuss wire line options
- 10) TOOH with 5 3/16" casing and tally out
- 11) RIH and perforate 8¼" casing
- 12) RIH with Mechanical Ripper on sand line to rip 8¼" casing above free point and perforations
- 13) TIH with 1½" tubing
- 14) Pump cement from 1,650' to above 8¼" perms
- 15) TOOH with 1½" tubing
- 16) TOOH with 8¼" casing
- 17) RIH with 1½" tubing
- 18) Cement to surface
- 19) Cut all casing 36 inches below GL. Install a monument to WV state requirements
- 20) RDMO all service equipment providers and reclaim location to WV State requirements

061-00657

size	put in well	CASINO RECORD pulled
10	177 11"	177 11"
8 1/2	1858 1/2	1858
6 5/8	2220	
5 3/16	2355	
4 1/4	208 5"	208 5"

FORMATION

kind	top	bottom
Conductor.....		14
Pgh coal.....	1068	
Dunkard sand.....	1545	1555
Gas sand.....	1875	1890
Salt sand.....	2055	2065
Big lime.....	2262	2338
Big Injun sand.....	2338	2495
Water very light.....		2423
50 ft.....	2521	2567
Gentle.....	2580	2585
50 ft.....	2585	2615
Cordonsand?.....	2600	
1st pay.....		2605
Total.....		2624

TORPEDO RECORD

Date shot	qts	top shot
June 26 1901	20	3205
Feb. 3 1902	30	3300
Nov 8 1920	40	3205

Dec. 1920 - Put in 200 of 4 1/4 liner pipe. It on bottom and 4 1/2 3/16

47-061-00688

47-061-00688



STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION

OFFSET WELL TO 61-00992

Geographic Blacksville 7 1/2'

Permit No. 061-0628

WELL RECORD WELL TO BE ABANDONED

Oil or Gas Well GAS

Company Carnegie Natural Gas Company
 Address 390 Main Street, Marshall, Pa.
 Farm Phillip Suman Acres 52
 Location (waters)
 Well No. 1-409 Elev. 1355
 District Battelle County Monongalia
 The surface of tract is owned in fee by
See Reverse Side Address
 Mineral rights are owned by
 Address
 Drilling commenced 7-22-13 - D.D. 10-27-25
 Drilling completed 10-27-13 - D.D. 12-17-25
 Date Spbt From 2387 To 2397
 With 20 gts.
 Open Flow /10ths Water in _____ Inch
 /10ths Merc. in _____ Inch
 Volume 268,000 Cu. Ft.
 Rock Pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 WELL ACIDIZED
 WELL FRACTURED
 RESULT AFTER TREATMENT
 ROCK PRESSURE AFTER TREATMENT
 Fresh Water _____ Feet
 Salt Water _____ Feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
18			
10	1372	1012	Size of
8 1/4	1909	1909	
6 1/4	2060	2060	Depth set
5 3/16	2240	2240	
2	3500	3500	Perf. top
			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____
 COAL WAS ENCOUNTERED AT 900 FEET IN _____
1000 FEET _____ INCHES _____ FEET _____
 _____ FEET _____ INCHES _____ FEET _____

Formation	Coll	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Mapleton Coal			900	908			
Pittsburgh Coal			1000	1008			
Little Dunkard			1350	1374			
Big Dunkard			1495	1560			
Gas Sand			1740	1790			
First Salt Sand			1810	1845			
Second Salt Sand			1945	2012	Water	1920	
Little Line			2198	2213			
Pencil Cave			2213	2218			
Big Line			2218	2271			
Big Injun			2271		Oil	2387-2398	
Total Depth 10-27-13			2414				
Big Injun			2414	2483			
Gants Sand			2773	2799			
Fifty Foot			2835	2890			
Thirty Foot			2908	2985			
Gordon Stray			3180	3210			
Gordon Sand			3232	3280			
Fourth Sand			3273	3293	Gas	3245-3247	
Bayard Sand			3450	3467	Gas		

TO 3500 12-17-25



- Table Descriptions
- County Corp. Transitions
- Lease Notices
- Lease Notices
- Contact Information
- Disclaimer
- WVGES Main
- "Pipeline-Plus" [New](#)

Select County: (061) Monongalia (Check All)

Enter Permit #: 00688

Location Production Plugging
 Owner/Completion Stratigraphy Sample
 Pay/Show/Water Logs Btm Hole Loc

WV Geological & Economic Survey

Well: County = 61 Permit = 00688

Report Time: Tuesday, July 19, 2022 9:37:10 AM

Well Reassignment Information: Reassigned From
 OLD_COUNTY_OLD_PERMIT_NEW_COUNTY_NEW_PERMIT
 61 30652 61 688

Location Information: [View Map](#)
 API COUNTY PERMIT TAX DISTRICT QUAD_75 QUAD_15 LAT_DD LON_DD UTM_E UTM_N
 4706100688 Monongalia 688 Blacksville Blacksville 39.680137 -80.248851 564416.3 4392526.1

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
 4706100688 5/13/1982 Plugging Completed Philip Shuman F2-74 Philip Shuman 5891 Pennzoil Co Eastern Associated / Peabody Coal Company
 4706100688 -/- Original Loc. Completed Philip Shuman 1 409 5891 Camegie Natural Gas Co

Completion Information:
 API CMP_DT SPUD_DT ELEV DATUM FIELD DEEPEST_FM DEEPEST_FWT INITIAL_CLASS FINAL_CLASS TYPE RIG CMP_MTHD TVD TMD NEW_FTG KOD G_BEF G_AFT O_BEF O_AFT NGL_BEF NGL_AFT P_BEF P_AFT TI_BEF TI_AFT BH_P_BEF BH_P_AFT G_MSRD_I
 4706100688 5/13/1982 4/13/1982 1335 Ground Level 1342 Spirit Level unclassified unclassified not available unknown unknown
 4706100688 -/- -/-

There is no Pay data for this well

There is no Production Gas data for this well

There is no Production Oil data for this well ** some operators may have reported NGL under Oil

There is no Production NGL data for this well ** some operators may have reported NGL under Oil

There is no Production Water data for this well

There is no Stratigraphy data for this well

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

Plugging Information:
 API PLG_DT DEPTH_PBT
 4706100688 7/20/1982 0
 4706100688 5/13/1982 0

There is no Sample data for this well

47-061-00688

061-71844

47-061-00992

061-30689

061-30688

61-00698

OK (10300) 2387'

720'

725'

061-00992

61-00657

061-30657

061-01835

061-01850

061-01846

061-71822

061-71356

061-00988

061-71357

061-71821

061-71

061-71359



Well Data

Very little documentation exists on Barrackman 9. Based on offset experience it is estimated that 5-3/16" production casing was run to a TD of approximately 2,000'. Surface casing is most likely 8-1/4" run to approximately 850'

Capacities

SIZE	WEIGHT	CAPACITY (GAL/FT)	CAPACITY (BBL/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*	N/A	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

*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.

Driving Directions

From the Sheetz at the intersection of US Route 19 and State Route 19/24 in Star City travel north on US Route 19 for 1.63 miles. Turn left onto State Route 7 and travel 5.18 miles. Turn left onto State Route 37 (Pedlar Run) and travel 3.13 miles to State Route 37. Turn left onto State Route 37 and travel 0.32 miles to existing stone well road on the left. Travel on existing well road out ridge approximately 4400 feet to location.

4706100992P

WW-4A
Revised 6-07

1) Date: _____
2) Operator's Well Number
Barrackman 9

3) API Well No.: 47 - 061 - 00992

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>Mark V. Eddy</u>	Name _____
Address <u>537 Pedlar Run Road</u>	Address _____
<u>Core, WV 26541</u>	_____
(b) Name <u>Christopher Paul Eddy</u>	(b) Coal Owner(s) with Declaration
Address <u>9 Stull Hollow</u>	Name <u>Murray Energy Corporation</u>
<u>Core, WV 26541</u>	Address <u>46226 National Road</u>
	<u>St. Clairsville, OH 43950</u>
(c) Name <u>Carol A. Tennant</u>	Name _____
Address <u>1202 Pedlar Run Road</u>	Address _____
<u>Core, WV 26541</u>	_____
6) Inspector <u>Kenneth Greynolds</u>	(c) Coal Lessee with Declaration
Address <u>613 Broad Run Rd.</u>	Name _____
<u>Jane Lew, WV 26378</u>	Address _____
Telephone <u>304-926-0499</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>707 Virginia Street East, Suite 1200</u>
	Telephone	<u>304.212.0402</u>

Subscribed and sworn before me this 19th day of April, 2022
Kristen R Brooks Notary Public
My Commission Expires Aug. 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.

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Maidsville, WV 26541

OFFICIAL USE

Certified Mail Fee	\$3.75	0401 09
\$	\$3.05	
Extra Services & Fees (check box, add fee as appropriate)		Postmark Here APR 19 2022
<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	\$1.36	
Total Postage	\$8.16	04/19/2022
Sent To	Carol A. Tennant	
Street and	1202 Pedlar Run Rd.	
City, State,	Core, WV 26541	

PS Form 3800, April 2013 PSN 7530-02-000-9047 See reverse for instructions

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Maidsville, WV 26541

OFFICIAL USE

Certified Mail Fee	\$3.75	0401 09
\$	\$3.05	
Extra Services & Fees (check box, add fee as appropriate)		Postmark Here APR 19 2022
<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	\$1.36	
Total Postage	\$8.16	04/19/2022
Sent To	Mark V. Eddy	
Street and	537 Pedlar Run Rd.	
City, State,	Core, WV 26541	

PS Form 3800, April 2013 PSN 7530-02-000-9047 See reverse for instructions

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Staubenville, OH 43952

OFFICIAL USE

Certified Mail Fee	\$3.75	0401 09
\$	\$3.05	
Extra Services & Fees (check box, add fee as appropriate)		Postmark Here APR 19 2022
<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	\$1.76	
Total Postage	\$8.56	04/19/2022
Sent To	Consolidation Coal Company	
Street and	c/o Murray American Energy, Inc.	
City, State,	46226 National Rd.	
	Saint Clairsville, OH 43952	

PS Form 3800, April 2013 PSN 7530-02-000-9047 See reverse for instructions

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Maidsville, WV 26541

OFFICIAL USE

Certified Mail Fee	\$3.75	0401 09
\$	\$3.05	
Extra Services & Fees (check box, add fee as appropriate)		Postmark Here APR 19 2022
<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	\$1.36	
Total Postage	\$8.16	04/19/2022
Sent To	Christopher Paul Eddy	
Street and	9 Stull Hollow	
City, State,	Core, WV 26541	

PS Form 3800, April 2013 PSN 7530-02-000-9047 See reverse for instructions

7021 2720 0001 9603 9252
 7021 2720 0001 9603 9245

47061009924

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 7.5'

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

Will a pit be used? Yes No

If so, please describe anticipated pit waste: _____

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

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- 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: N/A

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

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

Additives to be used in drilling medium? Bentonite

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. 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 August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature Hollie Medley

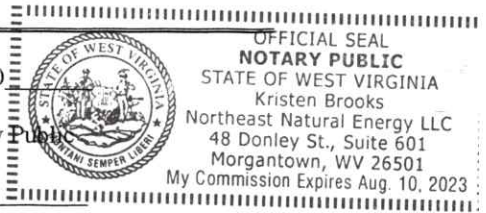
Company Official (Typed Name) Hollie Medley

Company Official Title Regulatory Manager

Subscribed and sworn before me this 19th day of April, 2022, 20

Kristen Brooks Notary Public

My commission expires Aug. 10, 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 Landfill (Tervita) – Belle Vernon, PA (Permit # 100277)
- Meadowfill Landfill (Waste Management) – Bridgeport, WV (Permit # SWF 103298)
- Max Environmental – Yukon, PA (PAD004835146 and 301071)
- Max Environmental – Bulger, PA (PAD059087072 and 301359)
- Chestnut Valley Landfill (Advanced Disposal) – Export, PA (Permit # 101421)

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:

- Fairmont Brine Processing (WV NPDES #0116408)
- Green Hunter M. E. Elder 1 Disposal Well (Permit # 47-085-05151)
- Green Hunter Mason 1 Disposal Well (Permit #47-085-09721)
- Green Hunter Warren Disposal Well (Permit #34-121-2-3995)
- Green Hunter Travis Unit Disposal Well (Permit #34-121-2-4086)
- Viking Energy Corporation 20320 Disposal Well (Permit#47-039-02210)
- Ohio Oil Gathering Killbuck Disposal Well (Permit #34-075-24527)
- Ohio Oil Gathering Moran Disposal Well (Permit #34-089-24792)
- Ohio Oil Gathering Bells Run Disposal Well (Permit #34-167-29395)
- Ohio Oil Gathering Long Run Disposal Well (Permit #34-167-29658)
- Ohio Oil Gathering Newell Run Disposal Well (Permit #34-167-29685)
- Appalachian Oil Purchaser Greens Run Disposal Well (Permit #2D0732540)
- Appalachian Oil Purchaser BW#4 Disposal Well (Permit # 2D0732523)

NNE Resources LLC

Proposed Revegetation Treatment: Acres Disturbed 1.10 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:

Drawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided)

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Kenneth Greynolds Digitally signed by: Kenneth Greynolds
DN: CN = Kenneth Greynolds email = Kenneth.L.Greynolds@ww.gov C = AD O = WWDEP OU = Oil and Gas
Date: 2022.04.15 09:35:08 -0400

Comments: _____

Title: _____ Date: _____

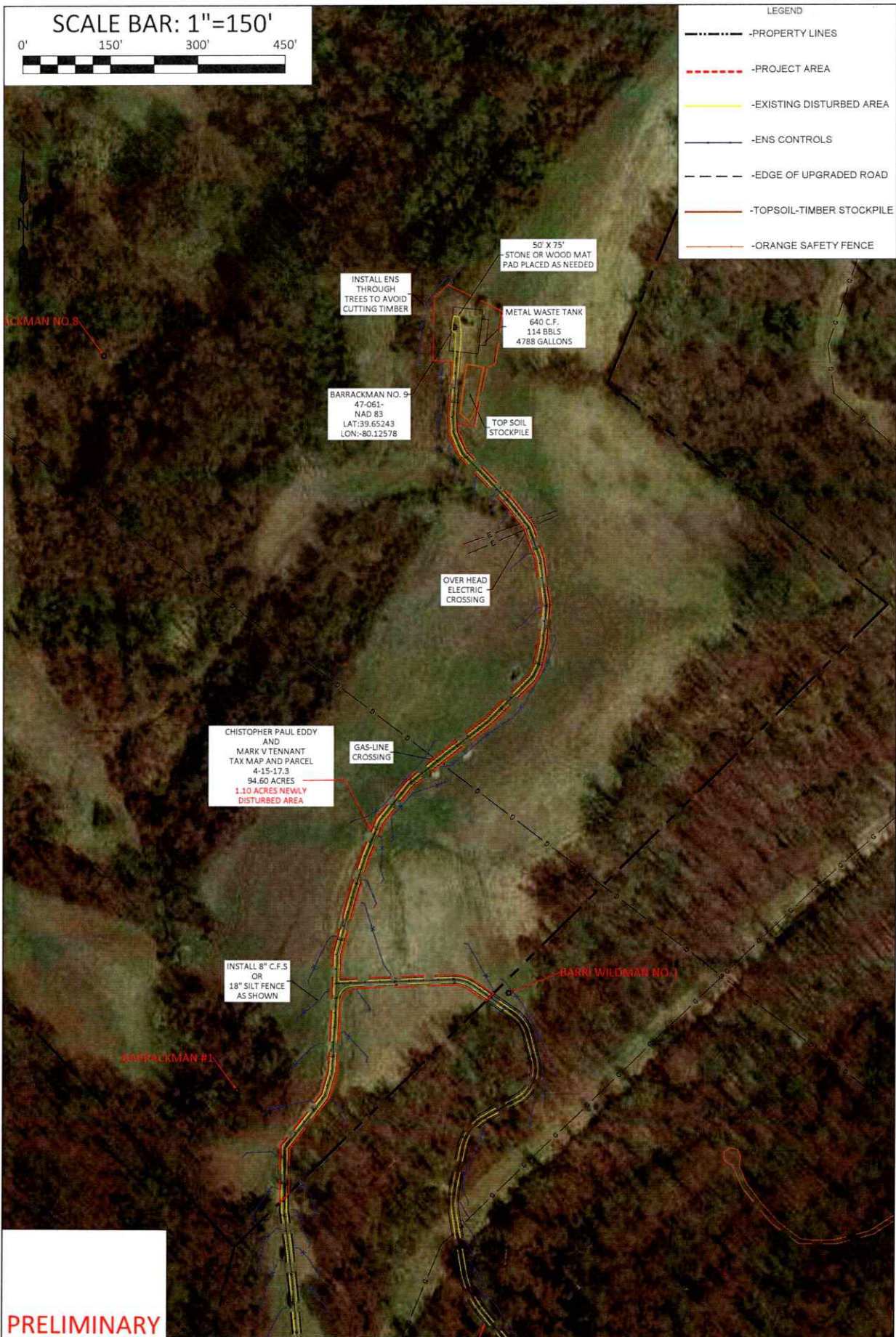
Field Reviewed? () Yes () No

SCALE BAR: 1"=150'



LEGEND

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



PRELIMINARY

DATE:
NOVEMBER 2021
BARRACKMAN NO.9
SHALLOW WELL
47-061-00992

CLAY DISTRICT,
MONONGALIA
COUNTY, WV

**PARCEL 4-15-17.3
BARRACKMAN NO.9**

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

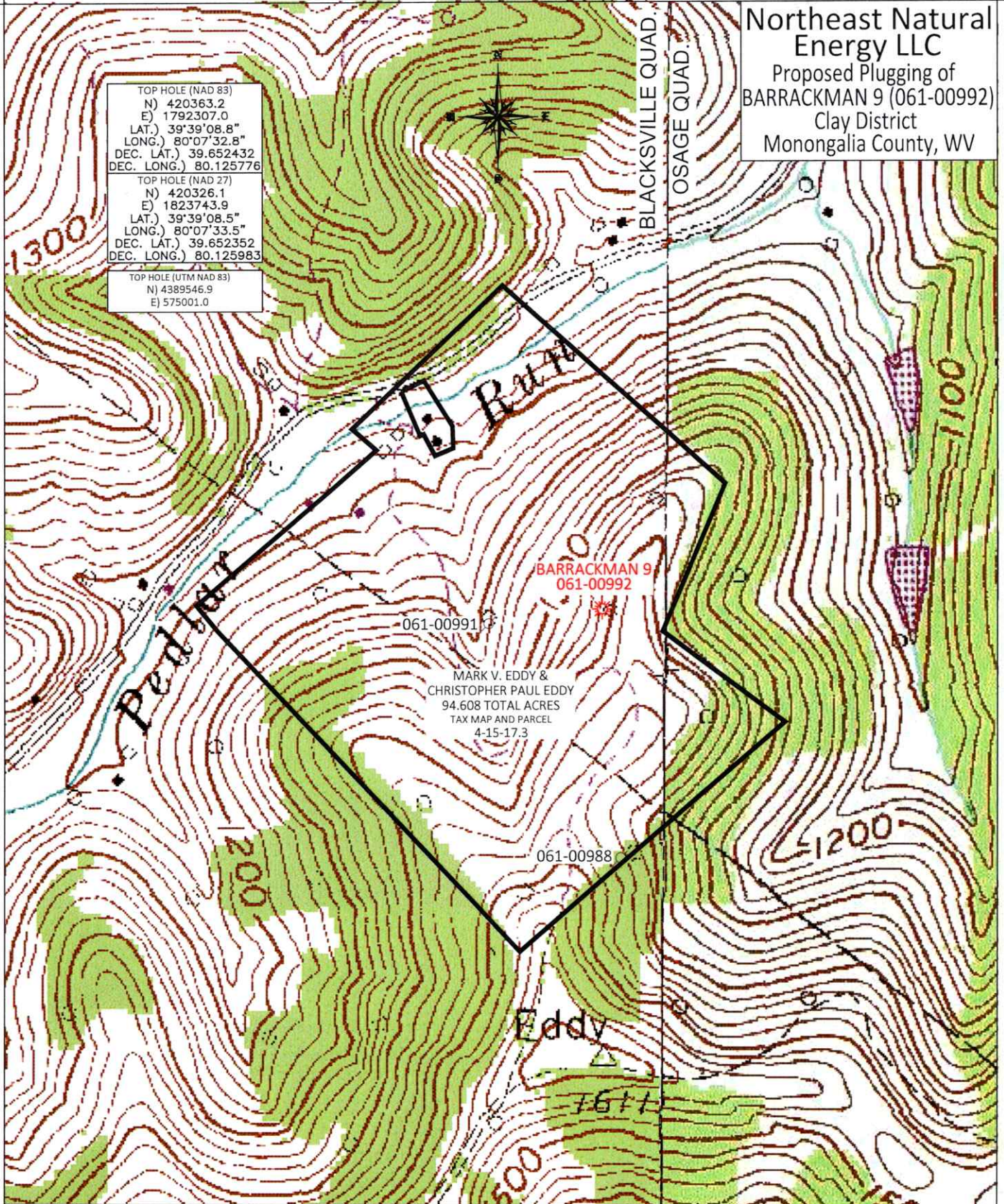
BOORD, BENCHEK and ASSOC., INC.
Engineering, Surveying, Construction,
and Mining Services

Southpointe, PA 15317 Phone: 724-746-1055

4706100992 P

Northeast Natural Energy LLC
Proposed Plugging of BARRACKMAN 9 (061-00992)
Clay District
Monongalia County, WV

TOP HOLE (NAD 83)
N) 420363.2
E) 1792307.0
LAT.) 39°39'08.8"
LONG.) 80°07'32.8"
DEC. LAT.) 39.652432
DEC. LONG.) 80.125776
TOP HOLE (NAD 27)
N) 420326.1
E) 1823743.9
LAT.) 39°39'08.5"
LONG.) 80°07'33.5"
DEC. LAT.) 39.652352
DEC. LONG.) 80.125983
TOP HOLE (UTM NAD 83)
N) 4389546.9
E) 575001.0



BARRACKMAN 9
061-00992

MARK V. EDDY &
CHRISTOPHER PAUL EDDY
94.608 TOTAL ACRES
TAX MAP AND PARCEL
4-15-17.3

061-00991

061-00988

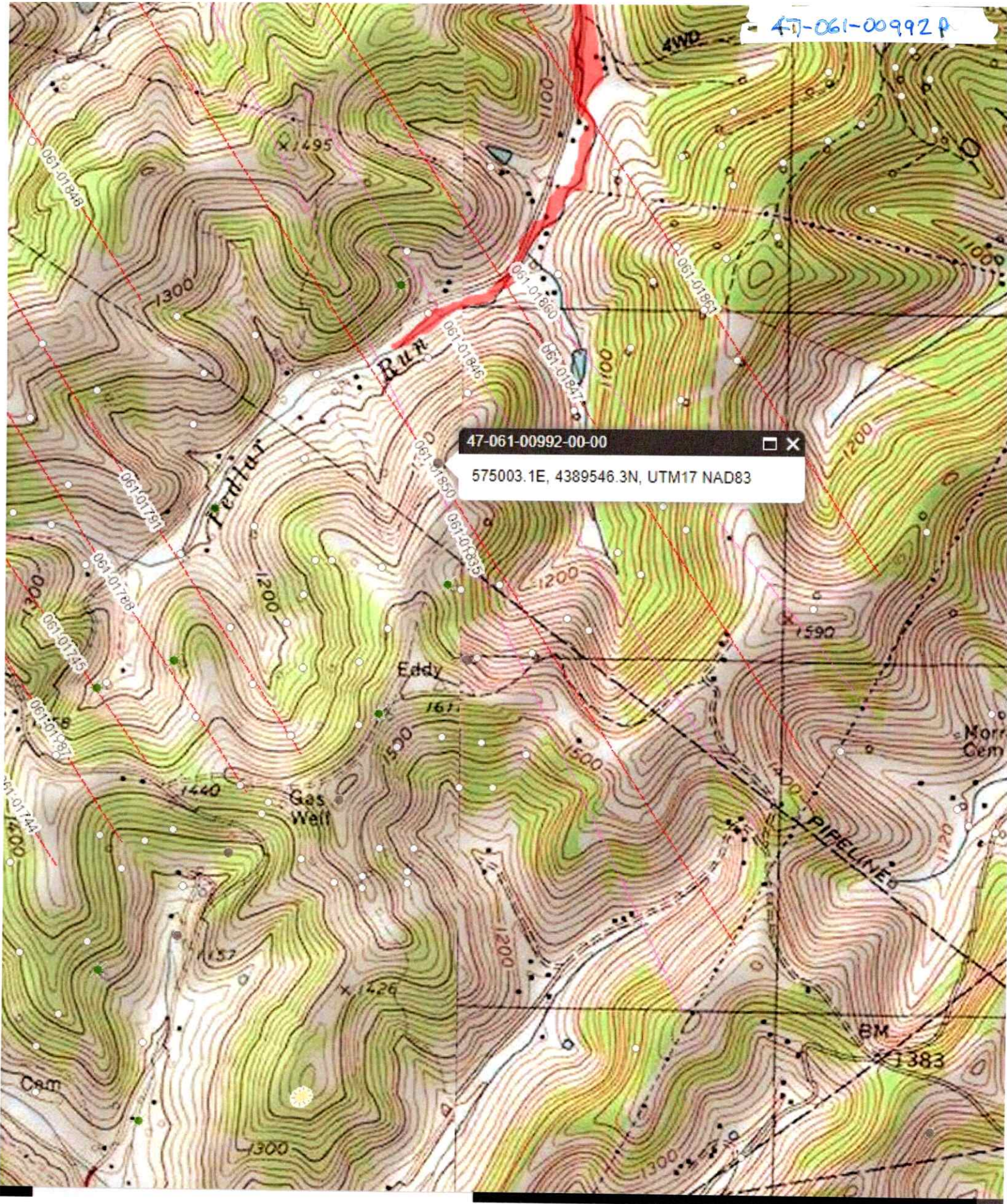
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Engineering, Surveying, Construction,
and Mining Services
Southpointe, PA 15317 Phone: 724-746-1055



SCALE 1" = 600'

APRIL 18, 2022

47-061-00992 P



47-061-00992-00-00

575003.1E, 4389546.3N, UTM17 NAD83

4706100992 P

WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-061-00992 WELL NO.: 9

FARM NAME: Barrackman

RESPONSIBLE PARTY NAME: NNE Resources LLC

COUNTY: Monongalia DISTRICT: Clay

QUADRANGLE: Blacksville 7.5'

SURFACE OWNER: Mark V. Eddy, Christopher Paul Eddy, Carol A. Tennant

ROYALTY OWNER: Ridgetop Royalties LLC

UTM GPS NORTHING: 4389546.3

UTM GPS EASTING: 575003.1 GPS ELEVATION: 1382'

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.

Hollis Mead
Signature

Regulatory Manager
Title

4-19-22
Date



47-061-00992 P

4706100992

April 20, 2022

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

Re: Plugging Permit Applications
Barrackman 9 – API # 47-061-00992
NP Fetty 4 – API # 47-061-00998
J Wildman 29 – API # 47-061-01002

Dear Permit Reviewer,

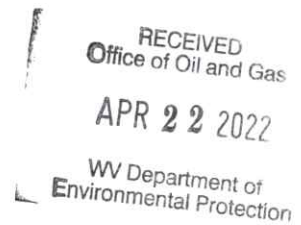
Please find enclosed three Plugging Permit Applications for Northeast Natural Energy's ("NNE") 2022 Plugging Program. Upon approval, we plan to start with the J Wildman 29 well first (47-061-01002). Please let me know if there is any additional information needed for your review.

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

Sincerely,

A handwritten signature in black ink that reads 'Kristen Brooks' in a cursive script.

Kristen Brooks
Operations Analyst



Barrackman 9

4706100992

11/10/2016

PLUGGING PERMIT CHECKLIST

Plugging Permit

- WW-4B
- WW-4B signed by inspector
- WW-4A

- SURFACE OWNER WAIVER or PROOF THAT APPLICATION WAS SENT BY REGISTERED OR CERTIFIED MAIL

- COAL OWNER/COAL OPERATOR/COAL LESSEE WAIVERS or PROOF THAT APPLICATION WAS SENT BY REGISTERED OR CERTIFIED MAIL
- WW-9 PAGE 1 (NOTARIZED)
- WW-9 PAGE 2 with attached drawing of road, location, pit and proposed area for land application
- WW-9 GPP PAGE 1 and 2 if well effluent will be land applied (NA)
- RECENT MYLAR PLAT OR WW-7
- WELL RECORDS/COMPLETION REPORT *None available*
- TOPOGRAPHIC MAP OF WELL, SHOWING PIT IF PIT IS USED
- MUST HAVE VALID BOND IN OPERATOR'S NAME
- CHECK FOR \$100 IF PIT IS USED *NA*

IR-8

PAGE 2

API NO: 47-061-00992

DATE

VISITS

7-12-2022

Permit expired

RECEIVED
Office of Oil and Gas

JUL 12 2022

WV Department of
Environmental Protection



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

ATTN Plugging permit for 4706100992 has been issued

1 message

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


Tue, Jul 19, 2022 at 12:55 PM

To: Jeffrey W McLaughlin <jeffrey.w.mclaughlin@wv.gov>, Wade A Stansberry <wade.a.stansberry@wv.gov>, Kenneth L Greynolds <kenneth.l.greynolds@wv.gov>, hmedley@nne-llc.com, kbrooks@nne-llc.com, mmusick@assessor.org, jdevincent@assessor.org, kliller@assessor.org

To whom it may concern the plugging permit for well 4706100992 has been issued.

James Kennedy
WVDEP OOG

2 attachments

 **4706100992.pdf**
5825K

 **IR-8 Blank.pdf**
237K