



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

Monday, May 1, 2023
WELL WORK PLUGGING PERMIT
Horizontal 6A Plugging

NORTHEAST NATURAL ENERGY LLC
707 VIRGINIA STREET EAST
STE 1200
CHARLESTON, WV 25301

Re: Permit approval for SULLIVAN 3H
47-061-01901-00-00

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:
Farm Name: ALAN SULLIVAN
U.S. WELL NUMBER: 47-061-01901-00-00
Horizontal 6A Plugging
Date Issued: 5/1/2023

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.

4706101901

WW-4B
Rev. 2/01

1) Date April 13, 2023
2) Operator's
Well No. Sullivan 3H
3) API Well No. 47-061 - 01901

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 1476' Watershed Upper Monongahela River
District Clay County Monongalia Quadrangle Grant Town

6) Well Operator Northeast Natural Energy LLC 7) Designated Agent _____
Address 707 Virginia Street East, Suite 1200 Address _____
Charleston, WV 25301

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Gayne Knitowski Name Patterson - UTI Energy, Inc.
Address PO Box 108 Address 10713 West Sam Houston Parkway N., Suite 800
Gorman, WV 26720

10) Work Order: The work order for the manner of plugging this well is as follows:
24" conductor was set at 100' and cemented back to surface. Drilling of the surface section was successful to 1,500'; however, geological complications were encountered during multiple attempts to set 13 3/8" casing. The well was plugged back with solid cement from 1500' to 914'. Casing was set at 914' and cemented back to surface. Plugging plans are as follows:
- Trip to bottom with open ended drill pipe and set the first solid cement plug.
- Plug back 450' using Class A cement. (70 bbls)
- Set the second solid cement plug. Plug back 450' using Class A cement. (70 bbls)
- Top off well, set P&A monument, and fill cellar with solid cement.

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APR 19 2023

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
Digitally signed by Gayne Knitowski
Date: 2023.04.14 16:37:56 -0400

Approved by _____
Date 4/14/2023

05/05/2023

4706101901

WW-4A
Revised 6-07

1) Date: 04/13/2023
2) Operator's Well Number
Sullivan 3H
3) API Well No.: 47 - 061 - 01901

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

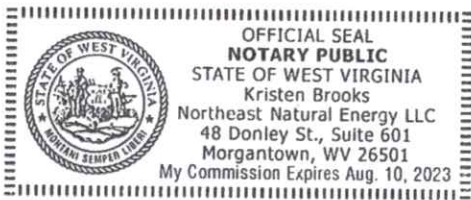
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Alan Sullivan</u>	Name _____
Address <u>4676 32nd Court East</u>	Address _____
<u>Bradenton, FL 34203</u>	
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>CONSOL Mining Company LLC</u>
	Address <u>1000 Consol Energy Drive</u>
	<u>Canonsburg, PA 15317</u>
(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 Northeast Natural Energy LLC
 By: Hollie Medley
 Its: Regulatory Manager
 Address 707 Virginia Street East, Suite 1200
Charleston, WV 25301
 Telephone 304.212.0422

Subscribed and sworn before me this 14th day of April, 2023
Kristen Brooks Notary Public
 My Commission Expires Aug. 10, 2023
 RECEIVED
 Office of Oil and Gas

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 Environmental Protection Agency (EPA) information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

APR 19 2023

05/05/2023

FedEx Shipment Receipt

4706101901

Address Information

Ship from:

Hollie M. Medley
Northeast Natural Energy LLC
48 Donley Street
Suite 601
MORGANTOWN, WV 26501
US
3045438932 –
hmedley@nne-llc.com

Ship to:

Mr. Alan Sullivan

4676 32nd Court East

BRADENTON, FL 34203
US
3045438932 –

Residential delivery

Shipment information

Tracking number:	771876251601
Ship date:	Apr 17, 2023
Your estimated rate:	\$24.16 USD

Package information

Pricing option: FedEx Standard Rate
Service type: FedEx Express SaverSM
Packaging type: FedEx Envelope
No. of packages: 1
Total weight: 0.3 LB
Declared value: \$0.00 USD
Customs value: \$0.00 USD
Special services: None specified, Residential delivery
Pickup/Drop-off: Drop-off at FedEx location
Pickup number:

Billing information

Payment method: My Account: Northeast Natural Energy-686

Thank you for shipping online with FedEx.

Please note

FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1000, e.g., jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits; Consult the applicable FedEx Service Guide for details.

The estimated shipping charge may be different than the actual charges for your shipment. Differences may occur based on actual weight, dimensions, and other factors. Consult the applicable FedEx Service Guide or the FedEx Rate Sheets for details on how shipping charges are calculated.

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Environmental Protection

05/05/2023

FedEx Shipment Receipt

4706101901

Address Information

Ship from:

Hollie M. Medley
Northeast Natural Energy LLC
48 Donley Street
Suite 601
MORGANTOWN, WV 26501
US
3045438932 –
hmedley@nne-llc.com

Ship to:

Casey V. Saunders
CONSOL Mining Company LLC
1000 Consol Energy Drive

CANONSBURG, PA 15317-6506
US
3045438932 --

Shipment Information

Tracking number: 771876325180
Ship date: Apr 17, 2023
Your estimated rate: \$18.79 USD

Package Information

Pricing option: FedEx Standard Rate
Service type: FedEx Express Saver®
Packaging type: FedEx Envelope
No. of packages: 1
Total weight: 0.3 LB
Declared value: \$0.00 USD
Customs value: \$0.00 USD
Special services: None specified
Pickup/Drop-off: Drop-off at FedEx location
Pickup number:

Billing Information

Payment method: My Account: Northeast Natural Energy-686

Thank you for shipping online with FedEx.

Please note

FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1000, e.g., jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits. Consult the applicable FedEx Service Guide for details.

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4706101901

WW-9
(5/16)

API Number 47 - 061 - 01901
Operator's Well No. Sullivan 3H

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

Operator Name Northeast Natural Energy LLC OP Code 494498281

Watershed (HUC 10) Upper Monongahela Quadrangle Grant Town

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 _____)
- Reuse (at API Number unknown at this time, TBD)
- 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.

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

Additives to be used in drilling medium? _____

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

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

-Landfill or offsite name/permit number? _____

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.

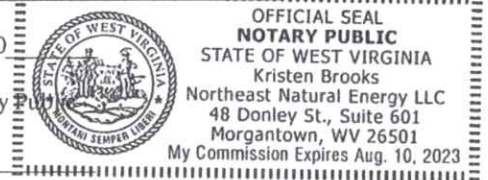
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is 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 APR 19 2023
Company Official (Typed Name) Hollie Medley
Company Official Title Regulatory Manager WV Department of Environmental Protection

Subscribed and sworn before me this 14th day of April, 2023, 20

Kristen Brooks Notary

My commission expires Aug. 10, 2023



05/05/2023

Proposed Revegetation Treatment: Acres Disturbed _____ Prevegetation pH _____

Lime _____ Tons/acre or to correct to pH _____

Fertilizer type _____

Fertilizer amount _____ lbs/acre

Mulch _____ Tons/acre

Seed Mixtures

Temporary

Permanent

Seed Type

lbs/acre

Seed Type

lbs/acre

Seed Type	lbs/acre	Seed Type	lbs/acre
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

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: 2023.04.14 16:39:02 -0400

Comments: _____

Title: Inspector

Date: 4-14-2023

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Field Reviewed? () Yes () No

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

Operator Name: Northeast Natural Energy LLC
Watershed (HUC 10): Upper Monongahela Quad: Grant Town
Farm Name: Sullivan

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

N/A

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

- 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. RECEIVED
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WV Department of
Environmental Protection

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

[Empty rectangular box for text entry]

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

[Empty rectangular box for text entry]

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.

[Empty rectangular box for text entry]

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

[Empty rectangular box for text entry]

Signature: _____

Date: _____

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Environmental Protection

05/05/2023

WW-7
8-30-06

4706101901



West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 061-01901 WELL NO.: Sullivan 3H

FARM NAME: Sullivan

RESPONSIBLE PARTY NAME: Northeast Natural Energy LLC

COUNTY: Monongalia DISTRICT: Clay

QUADRANGLE: Grant Town

SURFACE OWNER: Alan Sullivan

ROYALTY OWNER: Alan Sullivan, et al

UTM GPS NORTHING: 406870.7

UTM GPS EASTING: 1764798.6 GPS ELEVATION: 1476'

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 x: Post Processed Differential _____

Real-Time Differential X

Mapping Grade GPS _____: Post Processed Differential _____

Real-Time Differential _____

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4. **Letter size copy of the topography map showing the well location.**

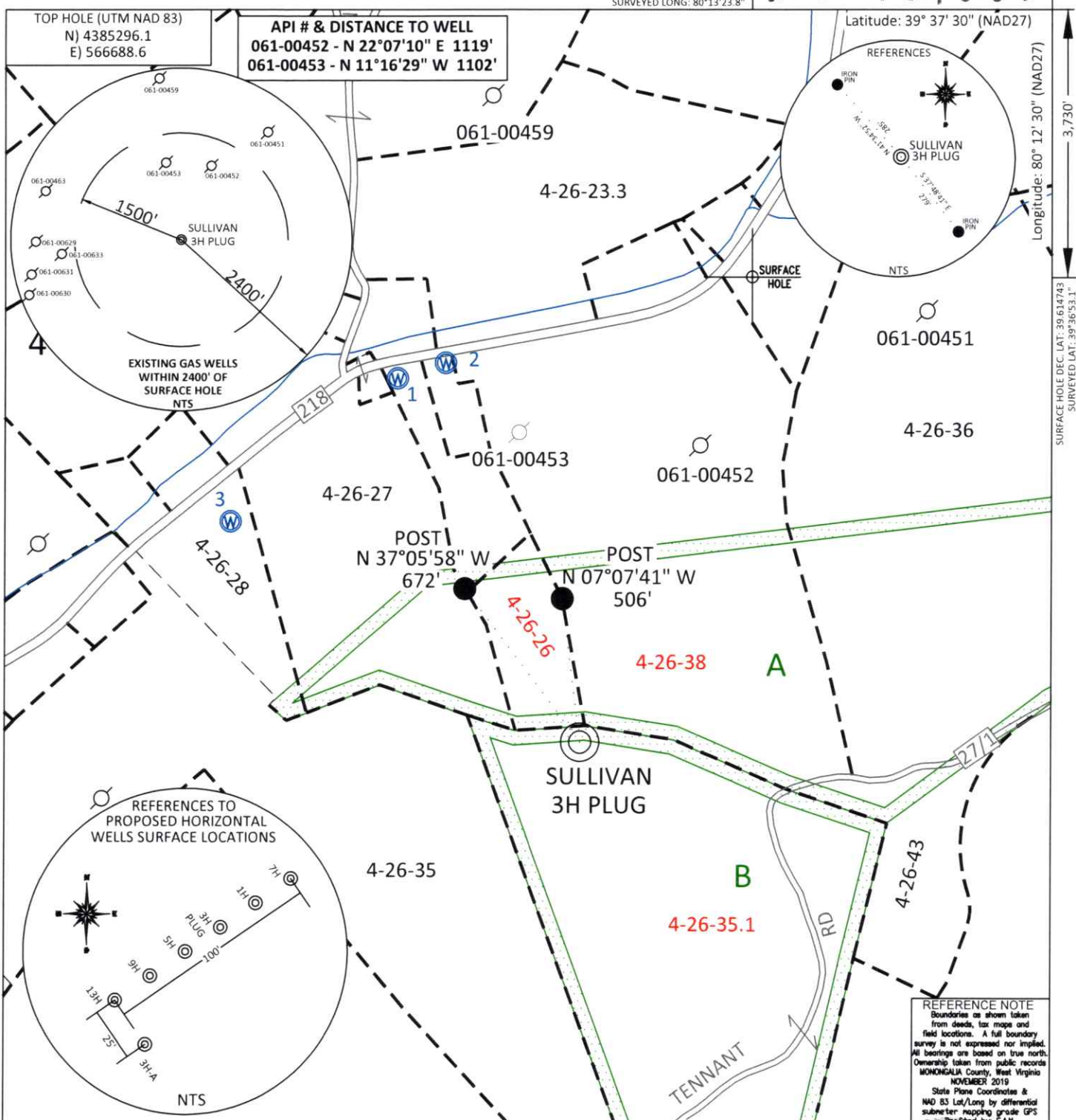
I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

Holl Mead Regulatory Manager 4-13-23
Signature Title Date

05/05/2023

4706101901

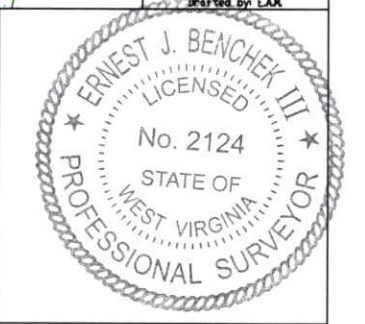
SURFACE HOLE DEC. LONG: 80.223288
SURVEYED LONG: 80°13'23.8"



FILE #: NNE20
DRAWING #: 3050
SCALE: PLAT: 1" = 500'
TICK: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: 1/200
PROVEN SOURCE OF ELEVATION: SUBMETER MAPPING GRADE GPS

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT 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 DEPARTMENT OF ENVIRONMENTAL PROTECTION.

Signed: *[Signature]*
L.L.S. #2124: Ernest J. Benchek III



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
WVDEP
OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25304

Well Type: Oil Waste Diposal Production Deep
 Gas Liquid Injection Storage Shallow

WATERSHED: UPPER MONONGAHELA RIVER
COUNTY/DISTRICT: MONONGALIA / CLAY
SURFACE OWNER: ALAN SULLIVAN
OIL & GAS ROYALTY OWNER: ALAN SULLIVAN
LEASE NUMBERS:

TARGET FORMATION: MARCELLUS

WELL OPERATOR: NORTHEAST NATURAL ENERGY LLC
ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200
CITY: CHARLESTON STATE: WV ZIP CODE: 25301

DATE: APRIL 14, 2023
OPERATOR'S WELL #: SULLIVAN 3H PLUG
API WELL #: 47 61 01901
STATE COUNTY PERMIT
CURRENT ELEVATION: 1,520'
PROPOSED ELEVATION: 1,476.4'

QUADRANGLE: GRANT TOWN
ACREAGE: 25.870 +/-
ACREAGE: 25.870

APR 19 2023
Office of Oil and Gas
Environmental Protection
05/05/2023

DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
PLUG OFF FORMATION PERFORATE NEW FORMATION PLUG & ABANDON
CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY):

ESTIMATED DEPTH: TVD: 1,500' TMD: 1,500'
DESIGNATED AGENT: JOHN ADAMS
ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200
CITY: CHARLESTON STATE: WV ZIP CODE: 25301

4-26-38	ADAM CLAY DARRAH
4-26-35.1	ALAN SULLIVAN
4-26-26	NNE MIDSTREAM LLC

LEASE INDEX	
A	WV-061-000160-001-ACT
B	WV-061-005448-002

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Wv Department of
Environmental Protection
APR 14 2023

FILE #: NEE20

DRAWING #: 3050

SCALE: N/A

DATE: _____

OPERATOR'S WELL #: SULLIVAN 3H PLUG

API WELL #: 47 61 01901
STATE COUNTY PERMIT

WELL NAME: SULLIVAN 3H PLUG
GRANT TOWN, WV



05/05/2023

APR 19 2023

WV Department of Environmental Protection

GRAPHIC SCALE

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
- N/A WW-9 GPP PAGE 1 and 2 if well effluent will be land applied
- RECENT MYLAR PLAT OR WW-7
- WELL RECORDS/COMPLETION REPORT
- TOPOGRAPHIC MAP OF WELL, ~~SHOWING PIT IF PIT IS USED~~
- MUST HAVE VALID BOND IN OPERATOR'S NAME
- N/A CHECK FOR \$100 IF PIT IS USED

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WV Department of
Environmental Protection

05/05/2023



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

plugging permit issued 4706101901

1 message

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

Mon, May 1, 2023 at 2:04 PM


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


To whom it may concern, a plugging permit has been issued for 4706101901.

James Kennedy

WVDEP OOG

2 attachments

 **4706101901.pdf**
2338K

 **ir-8 4706101901.pdf**
120K

05/05/2023