



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

Wednesday, May 3, 2023
WELL WORK PERMIT
Horizontal 6A / Replacement Borehole H6A

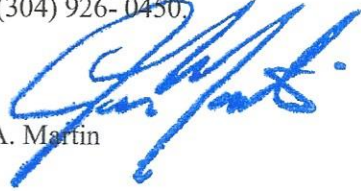
NORTHEAST NATURAL ENERGY LLC
707 VIRGINIA STREET EAST
STE 1200
CHARLESTON, WV 25301

Re: Permit approval for Sullivan 3H-A
47-061-01928-00-00

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.

Please be advised that form WR-35, Well Operators Report of Well Work 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: Sullivan 3H-A
Farm Name: Alan Sullivan
U.S. WELL NUMBER: 47-061-01928-00-00
Horizontal 6A Replacement Borehole H6A
Date Issued: 5/3/2023

Promoting a healthy environment.

05/05/2023

PERMIT CONDITIONS

West Virginia Code § 22-6A-8(d) 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. This proposed activity may require permit coverage from the United States Army Corps of Engineers (USACE). Through this permit, you are hereby being advised to consult with USACE regarding this proposed activity.
2. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code § 22-6A-5a (12), which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than one hundred (100) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
3. When compacting fills, each lift before compaction shall not be more than 12 inches in height, and the moisture content of the fill material shall be within limits as determined by the Standard Proctor Density test of the actual soils used in specific engineered fill, ASTM D698, Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort, to achieve 95 % compaction of the optimum density. Each lift shall be tested for compaction, with a minimum of two tests per lift per acre of fill. All test results shall be maintained on site and available for review.
4. Operator shall install signage per § 22-6A-8g (6) (B) at all source water locations included in their approved water management plan within 24 hours of water management plan activation.
5. Oil and gas water supply wells will be registered with the Office of Oil and Gas and all such wells will be constructed and plugged in accordance with the standards of the Bureau for Public Health set forth in its Legislative rule entitled *Water Well Regulations*, 64 C.S.R. 19. Operator is to contact the Bureau of Public Health regarding permit requirements. In lieu of plugging, the operator may transfer the well to the surface owner upon agreement of the parties. All drinking water wells within fifteen hundred feet of the water supply well shall be flow tested by the operator upon request of the drinking well owner prior to operating the water supply well.
6. Pursuant to the requirements pertaining to the sampling of domestic water supply wells/springs the operator shall, no later than thirty (30) days after receipt of analytical data provide a written copy to the Chief and any of the users who may have requested such analyses.
7. 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. Also, 24 hours prior to the initiation of the completion process the operator shall notify the Chief or his designee.
8. During the completion process the operator shall monitor annular pressures and report any anomaly noticed to the chief or his designee immediately.
9. If any explosion or other accident causing loss of life or serious personal injury occurs in or about a well or well work on a well, the well operator or its contractor shall give notice, stating the particulars of the explosion or accident, to the oil and gas inspector and the Chief, within 24 hours of said accident.
10. During the casing and cementing process, in the event cement does not return to the surface, the oil and gas inspector shall be notified within 24 hours.
11. The operator shall provide to the Office of Oil and Gas the dates of each of the following within 30 days of their occurrence: completion of construction of the well pad, commencement of drilling, cessation of drilling, completion of any other permitted well work, and completion of the well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov.

05/05/2023

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

1) Well Operator: Northeast Natural Energy, L

<u>494498281</u>	<u>Monongalia</u>	<u>Clay</u>	<u>Grant Town</u>
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Operator ID County District Quadrangle

2) Operator's Well Number: 3H-A Well Pad Name: Sullivan

3) Farm Name/Surface Owner: Alan Sullivan Public Road Access: Route 27/1

4) Elevation, current ground: 1,520' Elevation, proposed post-construction: 1,476'

5) Well Type (a) Gas Oil _____ Underground Storage _____
Other _____

(b) If Gas Shallow Deep _____
Horizontal

6) Existing Pad: Yes or No Yes

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Marcellus, 8,247', 87', 5200 psi

8) Proposed Total Vertical Depth: 8,247'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 20,991.34'

11) Proposed Horizontal Leg Length: 12,198.43'

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12) Approximate Fresh Water Strata Depths: 914'

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13) Method to Determine Fresh Water Depths: Drillers logs from offset wells

WV Department of
Environmental Protection

14) Approximate Saltwater Depths: 2,050', 2,580'

15) Approximate Coal Seam Depths: 914'

16) Approximate Depth to Possible Void (coal mine, karst, other): NA

17) Does Proposed well location contain coal seams
directly overlying or adjacent to an active mine? Yes _____ No

(a) If Yes, provide Mine Info: Name: N/A
Depth: _____
Seam: _____
Owner: _____

Gayne
Knitowski

Digitally signed by Gayne
Knitowski
Date: 2023.04.14 16:39:46
-04'00'

18)

CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	24"	New	NA	NA	100	100	GTS
Fresh Water	13-3/8"	New	J-55	54.5	1,030	1,000	CTS
Coal							
Intermediate	9-5/8"	New	J-55	36	2,680	2,650	CTS
Production	5-1/2"	New	P-110	20	21,022	20,992	1,944
Tubing	2-7/8"	New	P-110	6.5	NA		
Liners							

Gayne Knitowski
 Digitally signed by Gayne Knitowski
 Date: 2023.04.14 16:40:05 -04'00'

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	24"	28	0.375	NA	NA	Type 1	1.18
Fresh Water	13-3/8"	17-1/2"	0.380	2,730	500	Class A	1.19
Coal							
Intermediate	9-5/8"	12-3/8"	0.395	3,520	2800	Class A	1.19
Production	5-1/2"	8-3/4"	0.361	14,360	11,400	50:50 POZ	1.07
Tubing	2-7/8"	NA	0.217	13,870	NA	NA	NA
Liners							

PACKERS

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Kind:				WV Department of Environmental Protection
Sizes:				
Depths Set:				

19) Describe proposed well work, including the drilling and plugging back of any pilot hole:

Utilize auger rig to set cellar & conductor. The conductor will be grouted with cement to surface. Mobilize top hole drilling rig. Drill surface section on air. Run surface (freshwater & coal string) casing to desired depth. The surface section will not penetrate sea level. Surface casing will be cemented to surface. Drill intermediate section on air. Run intermediate casing to desired depth. Intermediate casing will be cemented to surface. Drill on air the production section to the start of the curve (KOP). The well will be loaded with synthetic oil base drilling mud (SOBM). Demobilize top hole rig. Mobilize horizontal drilling rig. Finish drilling the production section utilizing MWD surveys and geosteering practices to maintain the wellbore in the Marcellus shale and prevent anti-collision. Production casing will be ran to TD and cement top will be inside the intermediate casing.

20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate:

A cement bond log will determine the top of production casing cement. The production casing will be pressure tested. The hydraulic fracturing equipment will then open the toe sleeves and begin pumping the first stage. The plug-and-perf method will be used for the remaining stages. The max anticipated pressure during frac is 11,200psi and a max rate of 90bpm. After frac, the drillout rig will drill all plugs out of the well. Land production tubing at desired depth. Then flowback well until ready to turn in line to production facilities.

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 28.6522) Area to be disturbed for well pad only, less access road (acres): 15.32

23) Describe centralizer placement for each casing string:

Surface: shoe track & every 3rd joint to surface
Intermediate: shoe track & every 3rd joint to surface
Production: Rigid bow centralizers at shoe track & every other joint in the lateral to KOP. Bow springs from KOP to surface every third joint.

24) Describe all cement additives associated with each cement type:

Surface string cement will be a Type 1 + Max 3% bwoc Calcium Chloride Fresh Water blend.
Intermediate string cement will be a Type 1 Cement + Max 3% bwoc Calcium Chloride Fresh Water.
Production string cement will be (50:50) Poz (Fly Ash):Type I Cement with a gas migration additive.

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WV Department of
Environmental Protection
Office of Oil and Gas

25) Proposed borehole conditioning procedures:

Surface & intermediate on air will utilize high volumetric flow rates of air to ensure the wellbore is clean prior to TOH.
Production section will utilize synthetic oil based drilling mud to properly clean the wellbore. At TD, pump rate and rotation will be maximized and tripping will not begin until shakers flow clean.
Production casing will be circulated prior to cementing to ensure a prepared wellbore for cement.

*Note: Attach additional sheets as needed.

WW-9
(4/16)

API Number 47 - _____ - _____
Operator's Well No. Sullivan 3H - A

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 Down

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: NA

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
- 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: Yes, Please See Attachment "A"

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. Vertical - Air/ Curve & Horizontal - Oil Based

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

Additives to be used in drilling medium? Organophilic Clay Viscosifiers, Lime, Unsaturated Fatty Acids, CaCl, Barite, Emulsifiers, Mica LCM, Water Loss Agents

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Removed Offsite - Please See Attachment "A"

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

-Landfill or offsite name/permit number? Please See Attachment "A"

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

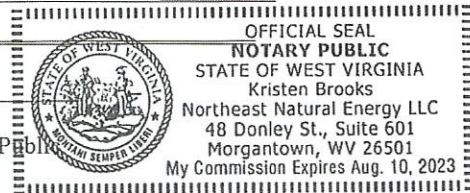
Company Official Title Regulatory Manager

Subscribed and sworn before me this 14th day of June, 2022, 20

Kristen Brooks

Notary Public

My commission expires Aug. 10, 2023



05/05/2023

Form WW-9

Operator's Well No. Sullivan 3H-A

Northeast Natural Energy LLC

Proposed Revegetation Treatment: Acres Disturbed 28.65 Prevegetation pH 5-7

Lime 2 Tons/acre or to correct to pH 7

Fertilizer type 19-19-19

Fertilizer amount 300 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
Tetraploi Perennial Rye	16	Tetraploid 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, include dimensions (L x W x D) of the pit, and dimensions (L x W), and area in acreage, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Thomas J. Hupel 6-14-22

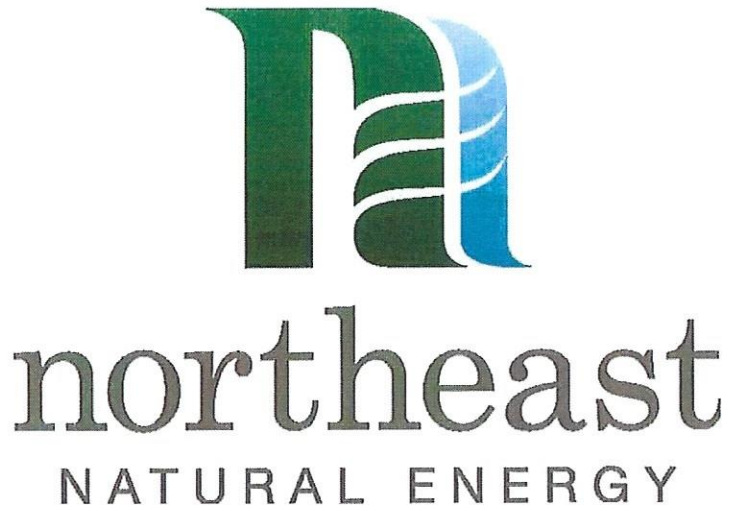
Comments: RECLAIM, RESERO + MULCH ASAP

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Title: OIL & GAS INSPECTOR Date: 6-14-22

Field Reviewed? () Yes () No

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Sullivan Pad

Site Safety Plan

June 2022

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Kenneth L. Reynolds
6-14-22

05/05/2023

Sullivan Well Pad

Clay District
Monongalia County

ACCESS ROAD ENTRANCE

338 Brine Road
Fairview, WV 26570

39.627869 Lat, -80.213719 Long (WV-83)

N 4386751.0, E 567480.0 (NAD 83 UTM)

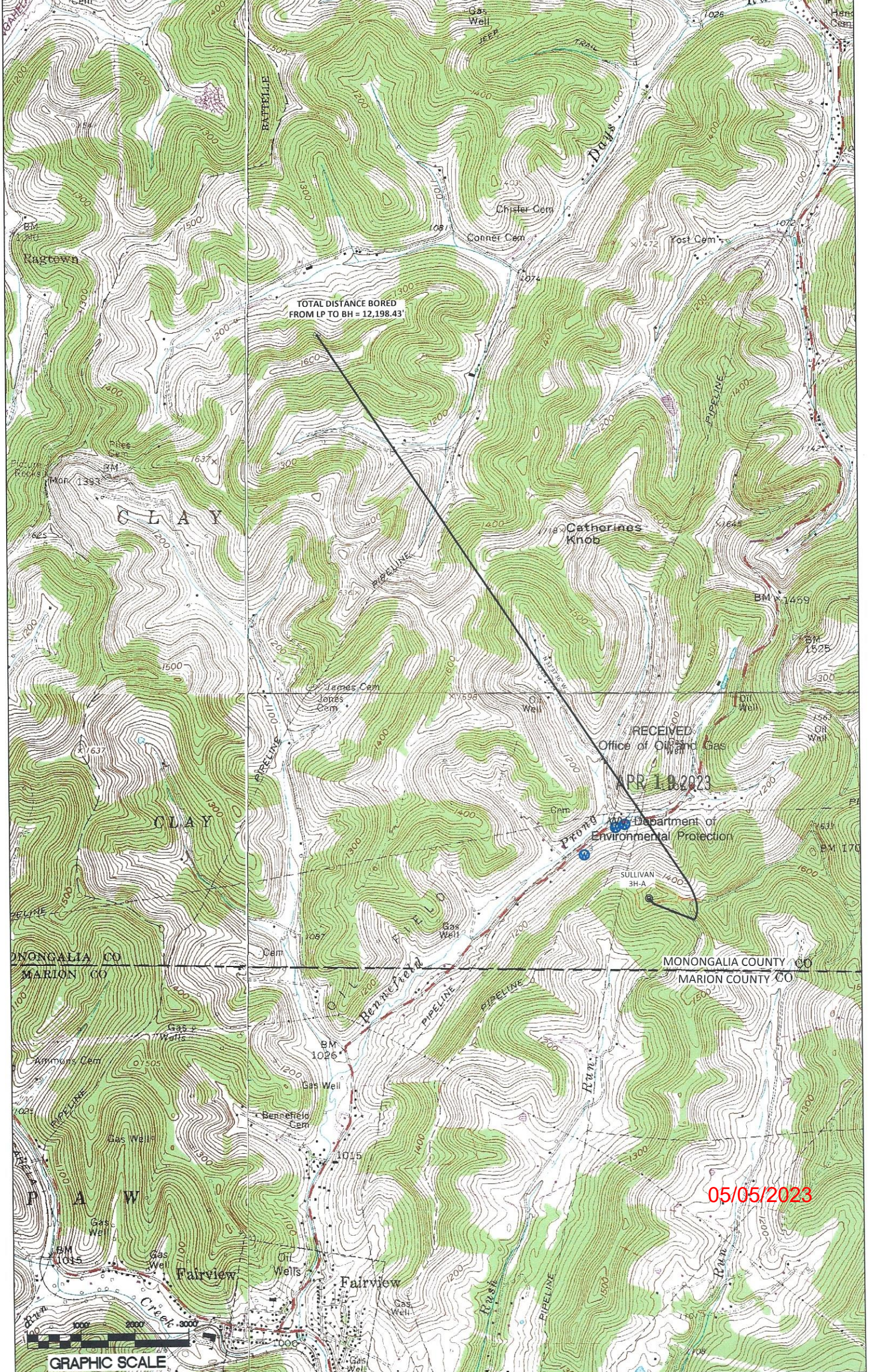
DRIVING DIRECTIONS

From Exit Number 155 (Star City) on Interstate 79 travel west on Rt. 19/24 towards Morgantown, WV for 0.43 miles to the intersection of said Rt. 19/24 and Rt. 19 at the Sheetz Store. Turn left onto Rt. 19 (Chaplin Hill Road) east for 0.6 miles to the intersection of said County Rt. 19/24 and US Rt. 19. Turn left onto US Rt. 19 and travel north for 1.7 miles to the intersection of US Rt. 19 and WV Route No. 7 (Mason Dixon Highway). Turn left onto WV Route No. 7 and travel west for 13.9 miles to the intersection of WV Route 19 and WV Route No. 218 (Days Run Road). Turn left onto WV Route No. 218 and travel 7.6 miles to the intersection of said WV Route 7 and County Route No. 27 (Statler Run Road). Turn left onto said County Route No. 27 and travel east for 0.15 miles to the intersection of said County Route No. 27 and County Route No. 27/1 (an unmaintained state right of way). Turn right onto said County Route 27/1 and travel south for 1.4 miles to the well access road on the right.

*See Attached Map

05/05/2023

WELL NAME: SULLIVAN 3H-A
GRANT TOWN, WV

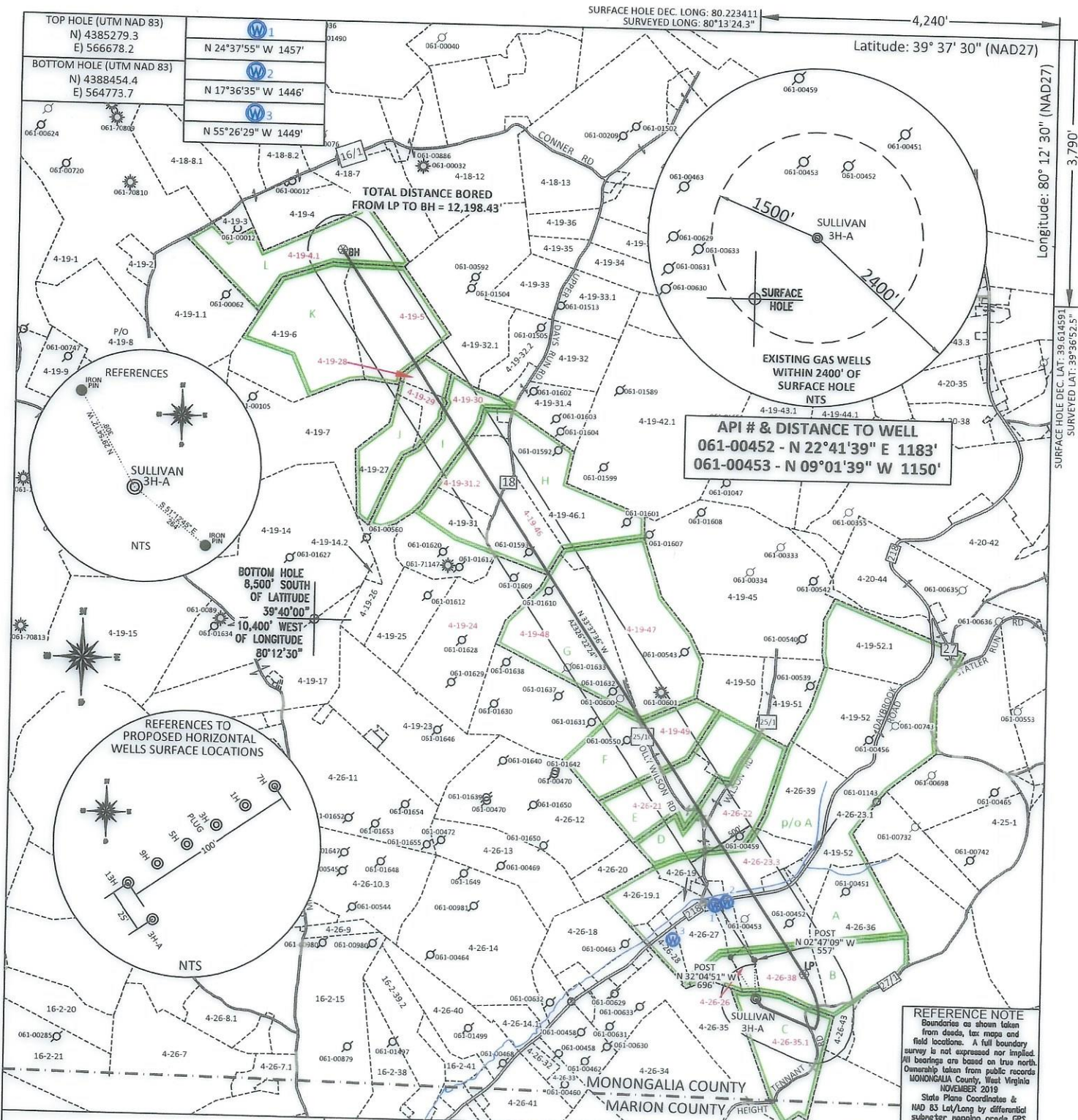


TOTAL DISTANCE BORED
FROM LP TO BH = 12,198.43'

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Department of
Environmental Protection

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GRAPHIC SCALE



FILE #: NNE20


DRAWING #: 3045

SCALE: PLAT: 1" = 2000'
TICK: 1" = 2000'

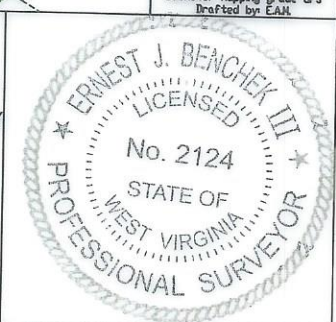
MINIMUM DEGREE OF ACCURACY: 1/200

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: 

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 26, 2023

OPERATOR'S WELL #: SULLIVAN 3H-A

API WELL #: 47 061 01928

STATE COUNTY PERMIT
CURRENT ELEVATION: 1,520'
PROPOSED ELEVATION: 1,476.4'

QUADRANGLE: GRANT TOWN

ACREAGE: 836.154 +/-

ACREAGE: 25.870 **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: 8,247' TMD: 20,991.34'

DESIGNATED AGENT: JOHN ADAMS

ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200

CITY: CHARLESTON STATE: WV ZIP CODE: 25301

4-26-38	ADAM CLAY DARRAH
4-26-22	LINDA KAY FOGT
4-26-35.1	ALAN SULLIVAN
4-26-26	NNE MIDSTREAM LLC
4-19-47	JAMES & LINDA A KARUS
4-19-49	MICHAEL J LATOCHA
4-26-23.3	ADAM CLAY DARRAH (LIFE- KERRY L DARRAH)
4-19-48	JAMES & LINDA A KARUS
4-26-21	MARVIN L WILSON II
4-19-4.1	KEMBLE D TATE
4-19-5	JIMMY R & PAMELA K TENNANT; BILLY RAY & ROXANA CAHILL
4-19-28	CAROLYN S PAYTON
4-19-29	JAMES TENNANT
4-19-30	BILLIE & JEFFERSON PRICE
4-19-31.2	ROXANNA D CAHILL
4-19-46	ARLYN W PERKEY
4-19-24	EDITH L DARRAH

LEASE INDEX			
A	WV-061-000160-001-ACT	G	WV-061-001851-0014
B	WV-061-000160-001-ACT	H	WV-061-006350-001
C	WV-061-005448-002	I	WV-061-003931-011
D	WV-061-000160-001-ACT	J	WV-061-003931-011
E	WV-061-000160-001-ACT	K	WV-061-005906-004
F	WV-061-000160-001-ACT	L	WV-061-005876-002

47 06 10 19 28

05/05/2023

FILE #: NEE20

DRAWING #: 3045

SCALE: N/A

DATE: APRIL 12, 2023

OPERATOR'S WELL #: SULLIVAN 3H-A

API WELL #: 47 61
STATE COUNTY PERMIT

WW-6A1
(5/13)

Operator's Well No. Sullivan 3H-A

**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE
Chapter 22, Article 6A, Section 5(a)(5)
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)**

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
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See Attached

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Office of Oil and Gas

APR 19 2023

WV Department of
Environmental Protection

**Acknowledgement of Possible Permitting/Approval
In Addition to the Office of Oil and Gas**

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator: Northeast Natural Energy
By: Hollie Medley *Hollie Medley*
Its: Regulatory Manager

WW-6A1 Form

Operators Well No. Sullivan 3H-A

47 06 10 19 28

APR 19 2023

WV Department of Environmental Protection

05/05/2023

Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
A	WV-061-000160-001-ACT	EQT Production Company	Northeast Natural Energy, LLC	12.5% Royalty or More	1775	44
B	WV-061-000160-001-ACT	EQT Production Company	Northeast Natural Energy, LLC	12.5% Royalty or More	1775	44
C	WV-061-005448-002	Alan Sullivan	Northeast Natural Energy, LLC	12.5% Royalty or More	1772	466
D	WV-061-000160-001-ACT	EQT Production Company	Northeast Natural Energy, LLC	12.5% Royalty or More	1775	44
E	WV-061-000160-001-ACT	EQT Production Company	Northeast Natural Energy, LLC	12.5% Royalty or More	1775	44
F	WV-061-000160-001-ACT	EQT Production Company	Northeast Natural Energy, LLC	12.5% Royalty or More	1775	44
G	WV-061-001851-0014	Terrance W. Mason	Northeast Natural Energy, LLC	12.5% Royalty or More	1568	321
	WV-061-001851-032	Judith Ann Munkittrick	Northeast Natural Energy, LLC	12.5% Royalty or More	1570	113
	WV-061-001851-027	Debra L. Frazier	Northeast Natural Energy, LLC	12.5% Royalty or More	1567	814
	WV-061-001851-026	Gary W. Moore	Northeast Natural Energy, LLC	12.5% Royalty or More	1727	240
	WV-061-001851-026	Donna G. Moore	Northeast Natural Energy, LLC	12.5% Royalty or More	1727	240
	WV-061-001851-026	William Bruce Moore	Northeast Natural Energy, LLC	12.5% Royalty or More	1727	240
	WV-061-001851-026	Samuel Moore	Northeast Natural Energy, LLC	12.5% Royalty or More	1727	240
	WV-061-001851-026	Jason Moore	Northeast Natural Energy, LLC	12.5% Royalty or More	1727	240
H	WV-061-006350-001	MM-Marcellus II, L.P.	Northeast Natural Energy, LLC	12.5% Royalty or More	1796	77
I	WV-061-003931-011	Connie Sharon Copeland	Northeast Natural Energy, LLC	12.5% Royalty or More	1562	416
	WV-061-003931-009	Danny J. Yost	Northeast Natural Energy, LLC	12.5% Royalty or More	1567	425
	WV-061-003931-015	Diana L. Fulps	Northeast Natural Energy, LLC	12.5% Royalty or More	1557	758
	WV-061-003931-010	Randy D. Yost	Northeast Natural Energy, LLC	12.5% Royalty or More	1562	397
	WV-061-003931-020	Nancy A. Maggard	Northeast Natural Energy, LLC	12.5% Royalty or More	1567	820
	WV-061-003931-004	Gerald Wayne Stiles	Northeast Natural Energy, LLC	12.5% Royalty or More	1564	513
	WV-061-003931-008	LaNelle Stiles	Northeast Natural Energy, LLC	12.5% Royalty or More	1564	531
	WV-061-003931-007	Jody Lynn Maley	Northeast Natural Energy, LLC	12.5% Royalty or More	1565	417
	WV-061-003931-014	Jill Renee Maley	Northeast Natural Energy, LLC	12.5% Royalty or More	1557	756
	WV-061-003931-006	Michael G. Phillips	Northeast Natural Energy, LLC	12.5% Royalty or More	1568	283
	WV-061-003931-013	Melinda P. Heidekat	Northeast Natural Energy, LLC	12.5% Royalty or More	1557	754
	WV-061-003931-005	Dennis L. Yost	Northeast Natural Energy, LLC	12.5% Royalty or More	1564	529
	WV-061-003931-003	David D. Yost	Northeast Natural Energy, LLC	12.5% Royalty or More	1568	112
	WV-061-002923-001	Ryan C. Radtka	Northeast Natural Energy, LLC	12.5% Royalty or More	1402	615
J	WV-061-003931-011	Connie Sharon Copeland	Northeast Natural Energy, LLC	12.5% Royalty or More	1562	416
	WV-061-003931-009	Danny J. Yost	Northeast Natural Energy, LLC	12.5% Royalty or More	1567	425
	WV-061-003931-015	Diana L. Fulps	Northeast Natural Energy, LLC	12.5% Royalty or More	1557	758
	WV-061-003931-010	Randy D. Yost	Northeast Natural Energy, LLC	12.5% Royalty or More	1562	397
	WV-061-003931-020	Nancy A. Maggard	Northeast Natural Energy, LLC	12.5% Royalty or More	1567	820
	WV-061-003931-004	Gerald Wayne Stiles	Northeast Natural Energy, LLC	12.5% Royalty or More	1564	513
	WV-061-003931-008	LaNelle Stiles	Northeast Natural Energy, LLC	12.5% Royalty or More	1564	531
	WV-061-003931-007	Jody Lynn Maley	Northeast Natural Energy, LLC	12.5% Royalty or More	1565	417
	WV-061-003931-014	Jill Renee Maley	Northeast Natural Energy, LLC	12.5% Royalty or More	1557	756
	WV-061-003931-006	Michael G. Phillips	Northeast Natural Energy, LLC	12.5% Royalty or More	1568	283
	WV-061-003931-013	Melinda P. Heidekat	Northeast Natural Energy, LLC	12.5% Royalty or More	1557	754
	WV-061-003931-005	Dennis L. Yost	Northeast Natural Energy, LLC	12.5% Royalty or More	1564	529
	WV-061-003931-003	David D. Yost	Northeast Natural Energy, LLC	12.5% Royalty or More	1568	112
	WV-061-002923-001	Ryan C. Radtka	Northeast Natural Energy, LLC	12.5% Royalty or More	1402	615
K	WV-061-005906-004	Gary W. Moore	Northeast Natural Energy, LLC	12.5% Royalty or More	1772	426
	WV-061-005906-001	Donna G. Moore	Northeast Natural Energy, LLC	12.5% Royalty or More	1772	420
	WV-061-005906-003	William Bruce Moore	Northeast Natural Energy, LLC	12.5% Royalty or More	1772	424

Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
	WV-061-005906-005	Samuel Moore	Northeast Natural Energy, LLC	12.5% Royalty or More	1778	798
	WV-061-005906-002	Jason Moore	Northeast Natural Energy, LLC	12.5% Royalty or More	1772	422
	WV-061-005916-002	Derrick Wayne Tennant	Northeast Natural Energy, LLC	12.5% Royalty or More	1774	689
	WV-061-005916-001	Eric Blaine Tennant	Northeast Natural Energy, LLC	12.5% Royalty or More	1774	687
	WV-061-005916-004	Darrin Marie Tennant	Northeast Natural Energy, LLC	12.5% Royalty or More	1787	54
	WV-061-005904-002	Donald G. Tennant II	Northeast Natural Energy, LLC	12.5% Royalty or More	1772	121
	WV-061-005904-001	Craig Alan Dintaman	Northeast Natural Energy, LLC	12.5% Royalty or More	1772	119
	WV-061-005916-003	Yolanda Krotzer Davis	Northeast Natural Energy, LLC	12.5% Royalty or More	1775	788
	WV-061-005934-003	Rachel Haught	Northeast Natural Energy, LLC	12.5% Royalty or More	1781	561
	WV-061-005904-003	Jack R. Tuttle	Northeast Natural Energy, LLC	12.5% Royalty or More	1794	532
	WV-061-005788-003	Kenneth D. Brame	Northeast Natural Energy, LLC	12.5% Royalty or More	1793	350
	WV-061-005788-006	Paul McBride	Northeast Natural Energy, LLC	12.5% Royalty or More	1794	506
	WV-061-005788-004	Paula McBride	Northeast Natural Energy, LLC	12.5% Royalty or More	1794	630
	WV-061-005788-007	Brian Keith Clark	Northeast Natural Energy, LLC	12.5% Royalty or More	1794	508
	WV-061-005788-005	Cheryl Lee Clark	Northeast Natural Energy, LLC	12.5% Royalty or More	1794	504
	WV-061-005788-002	Toni Lindsey Greene	Northeast Natural Energy, LLC	12.5% Royalty or More	1775	840
	WV-061-005788-001	Sandy L. Moore	Northeast Natural Energy, LLC	12.5% Royalty or More	1748	762
	WV-061-006074-005	LeeAnn Shumiloff	Northeast Natural Energy, LLC	12.5% Royalty or More	1793	436
	WV-061-006074-004	Christopher B. Wilson	Northeast Natural Energy, LLC	12.5% Royalty or More	1793	434
	WV-061-006074-001	Susan Brinegar	Northeast Natural Energy, LLC	12.5% Royalty or More	1789	502
	WV-061-006074-003	Justin Wilson	Northeast Natural Energy, LLC	12.5% Royalty or More	1789	411
	WV-061-006074-002	Deken Wilson	Northeast Natural Energy, LLC	12.5% Royalty or More	1789	409
	WV-061-005916-007	John C. Jones	Northeast Natural Energy, LLC	12.5% Royalty or More	1789	443
	WV-061-005916-005	Janet D. Crabtree	Northeast Natural Energy, LLC	12.5% Royalty or More	1786	625
	WV-061-005916-006	Loruma B. Brokaw	Northeast Natural Energy, LLC	12.5% Royalty or More	1786	627
	WV-061-005916-008	Thomas D. Jones	Northeast Natural Energy, LLC	12.5% Royalty or More	1794	534
	WV-061-006032-001	Marsha Catherine Wilson	Northeast Natural Energy, LLC	12.5% Royalty or More	1788	522
	WV-061-006021-005	Nancy A. Kallas	Northeast Natural Energy, LLC	12.5% Royalty or More	1788	514
	WV-061-006021-004	Pamela Lane Tennant	Northeast Natural Energy, LLC	12.5% Royalty or More	1787	88
	WV-061-006021-001	Patricia Jane Tennant	Northeast Natural Energy, LLC	12.5% Royalty or More	1787	82
	WV-061-006021-003	Kimberly Dawn Huggins Coker	Northeast Natural Energy, LLC	12.5% Royalty or More	1787	86
	WV-061-006021-002	James David Tennant	Northeast Natural Energy, LLC	12.5% Royalty or More	1787	84
	WV-061-005934-001	Tonya Smerdel	Northeast Natural Energy, LLC	12.5% Royalty or More	1775	824
	WV-061-005934-002	Tina Bragg	Northeast Natural Energy, LLC	12.5% Royalty or More	1775	826
	WV-061-006019-002	Roxana Cahill	Northeast Natural Energy, LLC	12.5% Royalty or More	1788	512
	WV-061-006016-001	Jimmy Randall Tennant	Northeast Natural Energy, LLC	12.5% Royalty or More	1787	72
	WV-061-006017-001	Pamela Kay Tennant	Northeast Natural Energy, LLC	12.5% Royalty or More	1787	74
	WV-061-006019-001	Billy Ray Tennant	Northeast Natural Energy, LLC	12.5% Royalty or More	1787	78
L	WV-061-005876-002	Kemble D. Tate	Northeast Natural Energy, LLC	12.5% Royalty or More	1782	291

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05/05/2023

WW-6AC
(1/12)

**STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE CERTIFICATION**

Date of Notice Certification: 06/09/2022

API No. 47- _____ - _____
Operator's Well No. 3H
Well Pad Name: Sullivan

Notice has been given:

Pursuant to the provisions in West Virginia Code § 22-6A, the Operator has provided the required parties with the Notice Forms listed below for the tract of land as follows:

State: <u>West Virginia</u>	UTM NAD 83	Easting: <u>566688.6</u>
County: <u>Monongalia</u>		Northing: <u>4385296.1</u>
District: <u>Clay</u>	Public Road Access: <u>Route 27/1</u>	
Quadrangle: <u>Grant Town</u>	Generally used farm name: <u>Sullivan</u>	
Watershed: <u>Upper Monongahela</u>		

Pursuant to West Virginia Code § 22-6A-7(b), every permit application filed under this section shall be on a form as may be prescribed by the secretary, shall be verified and shall contain the following information: (14) A certification from the operator that (i) it has provided the owners of the surface described in subdivisions (1), (2) and (4), subsection (b), section ten of this article, the information required by subsections (b) and (c), section sixteen of this article; (ii) that the requirement was deemed satisfied as a result of giving the surface owner notice of entry to survey pursuant to subsection (a), section ten of this article six-a; or (iii) the notice requirements of subsection (b), section sixteen of this article were waived in writing by the surface owner; and Pursuant to West Virginia Code § 22-6A-11(b), the applicant shall tender proof of and certify to the secretary that the notice requirements of section ten of this article have been completed by the applicant.

<p>Pursuant to West Virginia Code § 22-6A, the Operator has attached proof to this Notice Certification that the Operator has properly served the required parties with the following:</p> <p>*PLEASE CHECK ALL THAT APPLY</p> <p><input type="checkbox"/> 1. NOTICE OF SEISMIC ACTIVITY or <input checked="" type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED</p> <p><input checked="" type="checkbox"/> 2. NOTICE OF ENTRY FOR PLAT SURVEY or <input type="checkbox"/> NO PLAT SURVEY WAS CONDUCTED</p> <p><input checked="" type="checkbox"/> 3. NOTICE OF INTENT TO DRILL or <input type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or</p> <p style="padding-left: 100px;"><input type="checkbox"/> WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH)</p> <p><input checked="" type="checkbox"/> 4. NOTICE OF PLANNED OPERATION</p> <p><input checked="" type="checkbox"/> 5. PUBLIC NOTICE</p> <p><input checked="" type="checkbox"/> 6. NOTICE OF APPLICATION</p>	<p>OOG OFFICE USE ONLY</p> <p><input type="checkbox"/> RECEIVED/ NOT REQUIRED</p> <p><input type="checkbox"/> RECEIVED</p> <p><input type="checkbox"/> RECEIVED/ NOT REQUIRED</p> <p><input type="checkbox"/> RECEIVED</p> <p><input type="checkbox"/> RECEIVED</p> <p><input type="checkbox"/> RECEIVED</p>
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Required Attachments:

The Operator shall attach to this Notice Certification Form all Notice Forms and Certifications of Notice that have been provided to the required parties and/or any associated written waivers. For the Public Notice, the operator shall attach a copy of the Class II Legal Advertisement with publication date verification or the associated Affidavit of Publication. The attached Notice Forms and Certifications of Notice shall serve as proof that the required parties have been noticed as required under West Virginia Code § 22-6A. Pursuant to West Virginia Code § 22-6A-11(b), the Certification of Notice to the person may be made by affidavit of personal service, the return receipt card or other postal receipt for certified mailing.

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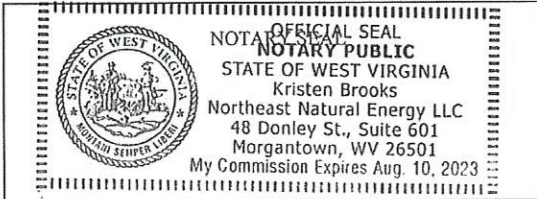
Certification of Notice is hereby given:

THEREFORE, I Hollie Medley, have read and understand the notice requirements within West Virginia Code § 22-6A. I certify that as required under West Virginia Code § 22-6A, I have served the attached copies of the Notice Forms, identified above, to the required parties through personal service, by registered mail or by any method of delivery that requires a receipt or signature confirmation. I certify under penalty of law that I have personally examined and am familiar with the information submitted in this Notice Certification and all attachments, 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 and imprisonment.

Hollie Medley

Well Operator: Northeast Natural Energy, LLC
By: Hollie Medley
Its: Regulatory Manager
Telephone: 304-241-5752

Address: 707 Virginia St. E., Suite 1200
Charleston, WV 25301
Facsimile: 304-241-5972
Email: hmedley@nne-llc.com



Subscribed and sworn before me this 14th day of June, 2022
Kristen 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 telephone number, as 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 or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

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05/05/2023

WW-6A
(9-13)

47 06 10 19 28
API NO. 47- _____
OPERATOR WELL NO. 3H _____
Well Pad Name: Sullivan _____

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF APPLICATION

Notice Time Requirement: notice shall be provided no later than the filing date of permit application.

Date of Notice: 6/9/2022 Date Permit Application Filed: 6/19/2022

Notice of:

- PERMIT FOR ANY WELL WORK CERTIFICATE OF APPROVAL FOR THE CONSTRUCTION OF AN IMPOUNDMENT OR PIT

Delivery method pursuant to West Virginia Code § 22-6A-10(b)

- PERSONAL SERVICE REGISTERED MAIL METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION

Pursuant to W. Va. Code § 22-6A-10(b) no later than the filing date of the application, the applicant for a permit for any well work or for a certificate of approval for the construction of an impoundment or pit as required by this article shall deliver, by personal service or by registered mail or by any method of delivery that requires a receipt or signature confirmation, copies of the application, the erosion and sediment control plan required by section seven of this article, and the well plat to each of the following persons: (1) The owners of record of the surface of the tract on which the well is or is proposed to be located; (2) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for roads or other land disturbance as described in the erosion and sediment control plan submitted pursuant to subsection (c), section seven of this article; (3) The coal owner, operator or lessee, in the event the tract of land on which the well proposed to be drilled is located [sic] is known to be underlain by one or more coal seams; (4) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for the placement, construction, enlargement, alteration, repair, removal or abandonment of any impoundment or pit as described in section nine of this article; (5) Any surface owner or water purveyor who is known to the applicant to have a water well, spring or water supply source located within one thousand five hundred feet of the center of the well pad which is used to provide water for consumption by humans or domestic animals; and (6) The operator of any natural gas storage field within which the proposed well work activity is to take place. (c)(1) If more than three tenants in common or other co-owners of interests described in subsection (b) of this section hold interests in the lands, the applicant may serve the documents required upon the person described in the records of the sheriff required to be maintained pursuant to section eight, article one, chapter eleven-a of this code. (2) Notwithstanding any provision of this article to the contrary, notice to a lien holder is not notice to a landowner, unless the lien holder is the landowner. W. Va. Code R. § 35-8-5.7.a requires, in part, that the operator shall also provide the Well Site Safety Plan ("WSSP") to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

Application Notice WSSP Notice E&S Plan Notice Well Plat Notice is hereby provided to:

SURFACE OWNER(s)
Name: See attached
Address: _____

Name: _____
Address: _____

SURFACE OWNER(s) (Road and/or Other Disturbance)
Name: _____
Address: _____

Name: _____
Address: _____

SURFACE OWNER(s) (Impoundments or Pits)
Name: _____
Address: _____

COAL OWNER OR LESSEE
Name: See attached
Address: _____

COAL OPERATOR
Name: _____
Address: _____

SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)
Name: See attached
Address: _____

OPERATOR OF ANY NATURAL GAS STORAGE FIELD
Name: _____
Address: _____

*Please attach additional forms if necessary

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API NO. 47- _____ - _____
OPERATOR WELL NO. 3H _____
Well Pad Name: Sullivan _____

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-10(b), notice is hereby given that the undersigned well operator has applied for a permit for well work or for a certificate of approval for the construction of an impoundment or pit.

This Notice Shall Include:

Pursuant to W. Va. Code § 22-6A-10(b), this notice shall include: (1) copies of the application; (2) the erosion and sediment control plan required by section seven of this article; and (3) the well plat.

Pursuant to W. Va. Code § 22-6A-10(f), this notice shall include: (1) a statement of the time limits for filing written comments; (2) who may file written comments; (3) the name and address of the secretary for the purpose of filing the comments and obtaining additional information; and (4) a statement that the persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

Pursuant to W. Va. Code R. § 35-8-5.7.a, the operator shall provide the Well Site Safety Plan to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

Pursuant to W. Va. Code R. § 35-8-15.2.c, this notice shall: (1) contain a statement of the surface owner's and water purveyor's right to request sampling and analysis; (2) advise the surface owner and water purveyor of the rebuttable presumption for contamination or deprivation of a fresh water source or supply; advise the surface owner and water purveyor that refusal to allow the operator to conduct a pre-drilling water test constitutes a method to rebut the presumption of liability; (3) advise the surface owner and water purveyor of his or her independent right to sample and analyze any water supply at his or her own expense; advise the surface owner and water purveyor whether or not the operator will utilize an independent laboratory to analyze any sample; and (4) advise the surface owner and or water purveyor that he or she can obtain from the Chief a list of water testing laboratories in the subject area capable of and qualified to test water supplies in accordance with standard acceptable methods.

Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Well Location Restrictions

Pursuant to W. Va. Code § 22-6A-12, Wells may not be drilled within two hundred fifty feet measured horizontally from any existing water well or developed spring used for human or domestic animal consumption. The center of well pads may not be located within six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hundred square feet or larger used to house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, developed springs, dwellings or agricultural buildings that existed on the date a notice to the surface owner of planned entry for surveying or staking as provided in section ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section sixteen of this article was provided, whichever occurs first, and to any dwelling under construction prior to that date. This limitation may be waived by written consent of the surface owner transmitted to the department and recorded in the real property records maintained by the clerk of the county commission for the county in which such property is located. Furthermore, the well operator may be granted a variance by the secretary from these distance restrictions upon submission of a plan which identifies the sufficient measures, facilities or practices to be employed during well site construction, drilling and operations. The variance, if granted, shall include terms and conditions the department requires to ensure the safety and protection of affected persons and property. The terms and conditions may include insurance, bonding and indemnification, as well as technical requirements. (b) No well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artificial lake, pond or reservoir, or a wetland, or within three hundred feet of a naturally reproducing trout stream. No well pad may be located within one thousand feet of a surface or ground water intake of a public water supply. The distance from the public water supply as identified by the department shall be measured as follows: (1) For a surface water intake on a lake or reservoir, the distance shall be measured from the boundary of the lake or reservoir. (2) For a surface water intake on a flowing stream, the distance shall be measured from a semicircular radius extending upstream of the surface water intake. (3) For a groundwater source, the distance shall be measured from the wellhead or spring. The department may, in its discretion, waive these distance restrictions upon submission of a plan identifying sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. A waiver, if granted, shall impose any permit conditions as the secretary considers necessary. (c) Notwithstanding the foregoing provisions of this section, nothing contained in this section prevents an operator from conducting the activities permitted or authorized by a Clean Water Act Section 404 permit or other approval from the United States Army Corps of Engineers within any waters of the state or within the restricted areas referenced in this section. (d) The well location restrictions set forth in this section shall not apply to any well on a multiple well pad if at least one of the wells was permitted prior to the effective date of this article. (e) The secretary shall, by December 31, 2012, report to the Legislature on the noise, light, dust and volatile organic compounds generated by the drilling of horizontal wells as they relate to the well location restrictions regarding occupied dwelling structures pursuant to this section. Upon a finding, if any, by the secretary that the well location restrictions regarding occupied dwelling structures are inadequate or otherwise require alteration to address the items

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(8-13)

API NO. 47- _____ - _____
OPERATOR WELL NO. 3H _____
Well Pad Name: Sullivan _____

examined in the study required by this subsection, the secretary shall have the authority to propose for promulgation legislative rules establishing guidelines and procedures regarding reasonable levels of noise, light, dust and volatile organic compounds relating to drilling horizontal wells, including reasonable means of mitigating such factors, if necessary.

Water Well Testing:

Pursuant to West Virginia Code § 22-6A-10(d), notification shall be made, with respect to surface landowners identified in subsection (b) or water purveyors identified in subdivision (5), subsection (b) of this section, of the opportunity for testing their water well. The operator shall provide an analysis to such surface landowner or water purveyor at their request.

Water Testing Laboratories:

Pursuant to West Virginia Code § 22-6A-10(i), persons entitled to notice pursuant to subsection (b) of this section may contact the department to ascertain the names and locations of water testing laboratories in the subject area capable and qualified to test water supplies in accordance with standard accepted methods. In compiling that list of names the department shall consult with the state Bureau for Public Health and local health departments. A surface owner and water purveyor has an independent right to sample and analyze any water supply at his or her own expense. The laboratory utilized by the operator shall be approved by the agency as being certified and capable of performing sample analyses in accordance with this section.

Rebuttable Presumption for Contamination or Deprivation of a Fresh Water Source or Supply:

W. Va. Code § 22-6A-18 requires that (b) unless rebutted by one of the defenses established in subsection (c) of this section, in any action for contamination or deprivation of a fresh water source or supply within one thousand five hundred feet of the center of the well pad for horizontal well, there is a rebuttable presumption that the drilling and the oil or gas well or either was the proximate cause of the contamination or deprivation of the fresh water source or supply. (c) In order to rebut the presumption of liability established in subsection (b) of this section, the operator must prove by a preponderance of the evidence one of the following defenses: (1) The pollution existed prior to the drilling or alteration activity as determined by a predrilling or prealteration water well test. (2) The landowner or water purveyor refused to allow the operator access to the property to conduct a predrilling or prealteration water well test. (3) The water supply is not within one thousand five hundred feet of the well. (4) The pollution occurred more than six months after completion of drilling or alteration activities. (5) The pollution occurred as the result of some cause other than the drilling or alteration activity. (d) Any operator electing to preserve its defenses under subdivision (1), subsection (c) of this section shall retain the services of an independent certified laboratory to conduct the predrilling or prealteration water well test. A copy of the results of the test shall be submitted to the department and the surface owner or water purveyor in a manner prescribed by the secretary. (e) Any operator shall replace the water supply of an owner of interest in real property who obtains all or part of that owner's supply of water for domestic, agricultural, industrial or other legitimate use from an underground or surface source with a comparable water supply where the secretary determines that the water supply has been affected by contamination, diminution or interruption proximately caused by the oil or gas operation, unless waived in writing by that owner. (f) The secretary may order the operator conducting the oil or gas operation to: (1) Provide an emergency drinking water supply within twenty-four hours; (2) Provide temporary water supply within seventy-two hours; (3) Within thirty days begin activities to establish a permanent water supply or submit a proposal to the secretary outlining the measures and timetables to be used in establishing a permanent supply. The total time in providing a permanent water supply may not exceed two years. If the operator demonstrates that providing a permanent replacement water supply cannot be completed within two years, the secretary may extend the time frame on case-by-case basis; and (4) Pay all reasonable costs incurred by the real property owner in securing a water supply. (g) A person as described in subsection (b) of this section aggrieved under the provisions of subsections (b), (e) or (f) of this section may seek relief in court... (i) Notwithstanding the denial of the operator of responsibility for the damage to the real property owner's water supply or the status of any appeal on determination of liability for the damage to the real property owner's water supply, the operator may not discontinue providing the required water service until authorized to do so by the secretary or a court of competent jurisdiction.

Written Comment:

Pursuant to West Virginia Code § 22-6A-11(a), all persons described in subsection (b), section ten of this article may file written comments with the secretary as to the location or construction of the applicant's proposed well work within thirty days after the application is filed with the secretary. All persons described in West Virginia Code § 22-6A-10(b) may file written comments as to the location or construction of the applicant's proposed well work to the Secretary at:

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0450

Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water. **NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.**

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API NO. 47- _____
OPERATOR WELL NO. 3H _____
Well Pad Name: Sullivan _____

Time Limits and Methods for Filing Comments.

The law requires these materials to be served on or before the date the operator files its Application. You have **THIRTY (30) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Pursuant to West Virginia Code § 22-6A-11(c)(2), Any objections of the affected coal operators and coal seam owners and lessees shall be addressed through the processes and procedures that exist under sections fifteen, seventeen and forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article. The written comments filed by the parties entitled to notice under subdivisions (1), (2), (4), (5) and (6), subsection (b), section ten of this article shall be considered by the secretary in the permit issuance process, but the parties are not entitled to participate in the processes and proceedings that exist under sections fifteen, seventeen or forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article.

Comment Requirements

Your comments must be in writing and include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

Disclaimer: All comments received will be placed on our web site <http://www.dep.wv.gov/oil-and-gas/Horizontal-Permits/Pages/default.aspx> and the applicant will automatically be forwarded an email notice that such comments have been submitted. The applicant will be expected to provide a response to comments submitted by any surface owner, water purveyor or natural gas storage operator noticed within the application.

Permit Denial or Condition

The Chief has the power to deny or condition a well work permit. Pursuant to West Virginia Code § 22-6A-8(d), the permit may not be issued or be conditioned, including conditions with respect to the location of the well and access roads prior to issuance if the director determines that:

- (1) The proposed well work will constitute a hazard to the safety of persons;
- (2) The plan for soil erosion and sediment control is not adequate or effective;
- (3) Damage would occur to publicly owned lands or resources; or
- (4) The proposed well work fails to protect fresh water sources or supplies.

A permit may also be denied under West Virginia Code § 22-6A-7(k), the secretary shall deny the issuance of a permit if the secretary determines that the applicant has committed a substantial violation of a previously issued permit for a horizontal well, including the applicable erosion and sediment control plan associated with the previously issued permit, or a substantial violation of one or more of the rules promulgated under this article, and in each instance has failed to abate or seek review of the violation within the time prescribed by the secretary pursuant to the provisions of subdivisions (1) and (2), subsection (a), section five of this article and the rules promulgated hereunder, which time may not be unreasonable.

Pursuant to West Virginia Code § 22-6A-10(g), any person entitled to submit written comments to the secretary pursuant to subsection (a), section eleven of this article, shall also be entitled to receive from the secretary a copy of the permit as issued or a copy of the order modifying or denying the permit if the person requests receipt of them as a part of the written comments submitted concerning the permit application. Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

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WV Department of
Environmental Protection

05/05/2023

47 06 10 19 28

WW-6A
(8-13)

API NO. 47- _____ - _____
OPERATOR WELL NO. 3H
Well Pad Name: Sullivan

Notice is hereby given by:

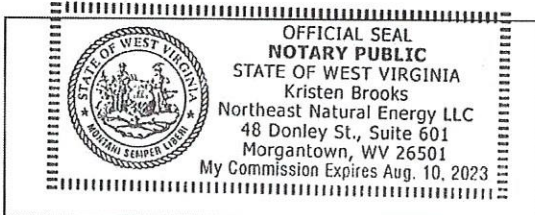
Well Operator: Northeast Natural Energy, LLC
Telephone: 304-414-7060
Email: _____

Address: 707 Virginia St. E., Suite 1200
Charleston, WV 25301
Facsimile: 304-414-7061

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as 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 or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

Holl: mmealy



Subscribed and sworn before me this 8th day of June 2022.

Kristen R Brooks Notary Public

My Commission Expires Aug. 10, 2023

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WV Department of
Environmental Protection

05/05/2023

WW-6A3
(1/12)

Operator Well No. Sullivan Pad

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF ENTRY FOR PLAT SURVEY

Notice Time Requirement: Notice shall be provided at least SEVEN (7) days but no more than FORTY-FIVE (45) days prior to entry

Date of Notice: 4/30/2021 Date of Planned Entry: 5/10/2021

Delivery method pursuant to West Virginia Code § 22-6A-10a

- PERSONAL SERVICE
- REGISTERED MAIL
- METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION

Pursuant to West Virginia Code § 22-6A-10(a), Prior to filing a permit application, the operator shall provide notice of planned entry on to the surface tract to conduct any plat surveys required pursuant to this article. Such notice shall be provided at least seven days but no more than forty-five days prior to such entry to: (1) The surface owner of such tract; (2) to any owner or lessee of coal seams beneath such tract that has filed a declaration pursuant to section thirty-six, article six, chapter twenty-two of this code; and (3) any owner of minerals underlying such tract in the county tax records. The notice shall include a statement that copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, which statement shall include contact information, including the address for a web page on the Secretary's web site, to enable the surface owner to obtain copies from the secretary.

Notice is hereby provided to:

SURFACE OWNER(s)

Name: Edward & Karla Strosnider
Address: 630 Broadway Ave
Star City, WV 26505

Name: _____
Address: _____

Name: _____
Address: _____

COAL OWNER OR LESSEE

Name: _____
Address: _____

MINERAL OWNER(s)

Name: _____
Address: _____

*please attach additional forms if necessary

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct a plat survey on the tract of land as follows:

State: West Virginia
County: Monongalia
District: Clay
Quadrangle: Grant Town

Approx. Latitude & Longitude: LAT: 39° 36'53.15", LON: -80° 13'22.77"
Public Road Access: Breezy Height-Tennant Rd (27/1)
Watershed: Upper Monongahela River
Generally used farm name: Sullivan

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Copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450). Copies of such documents or additional information related to horizontal drilling may be obtained from the Secretary by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Notice is hereby given by:

Well Operator: Northeast Natural Energy, LLC
Telephone: 304-414-7060
Email: _____

Address: 707 Virginia St. E, Suite 1200 Charleston, WV 25301
Facsimile: 304-241-5972

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05/05/2023

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF ENTRY FOR PLAT SURVEY

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Date of Notice: 4/30/2021 Date of Planned Entry: 5/10/2021

Delivery method pursuant to West Virginia Code § 22-6A-10a

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Notice is hereby provided to:

SURFACE OWNER(s)
 Name: Allan Sullivan
 Address: 106 Hickory Ct
Daniels, WV 25832
 Name: _____
 Address: _____
 Name: _____
 Address: _____

COAL OWNER OR LESSEE
 Name: _____
 Address: _____
 MINERAL OWNER(s)
 Name: _____
 Address: _____
 *please attach additional forms if necessary

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct a plat survey on the tract of land as follows:

State: <u>West Virginia</u>	Approx. Latitude & Longitude: <u>LAT: 39° 36'53.15", LON: -80° 13'22.77"</u>
County: <u>Monongalia</u>	Public Road Access: <u>Breezy Height-Tennant Rd (27/1)</u>
District: <u>Clay</u>	Watershed: <u>Upper Monongahela River</u>
Quadrangle: <u>Grant Town</u>	Generally used farm name: <u>Sullivan</u>

Copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450). Copies of such documents or additional information related to horizontal drilling may be obtained from the Secretary by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

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APR 19

Notice is hereby given by:

Well Operator: Northeast Natural Energy, LLC
 Telephone: 304-414-7060
 Email: _____

Address: 707 Virginia St. E, Suite 1200 Charleston, WV 25301
 Facsimile: 304-241-5972

WV Dep. Environmental Protection

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05/05/2023

**STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF ENTRY FOR PLAT SURVEY**

Notice Time Requirement: Notice shall be provided at least SEVEN (7) days but no more than FORTY-FIVE (45) days prior to entry

Date of Notice: 4/30/2021 **Date of Planned Entry:** 5/10/2021

Delivery method pursuant to West Virginia Code § 22-6A-10a

- PERSONAL SERVICE REGISTERED MAIL METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION

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Notice is hereby provided to:

SURFACE OWNER(s)
Name: David M & Dawn M Lindner
Address: 31 Lindner Ln
Smithton, PA 15479
Name: _____
Address: _____
Name: _____
Address: _____

COAL OWNER OR LESSEE
Name: _____
Address: _____

MINERAL OWNER(s)
Name: _____
Address: _____

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APR 19 2023

WV Department of Environmental Protection
*please attach additional forms if needed

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct a plat survey on the tract of land as follows:

State: <u>West Virginia</u>	Approx. Latitude & Longitude: <u>LAT: 39° 36'53.15", LON: -80° 13'22.77"</u>
County: <u>Monongalia</u>	Public Road Access: <u>Breezy Height-Tennant Rd (27/1)</u>
District: <u>Clay</u>	Watershed: <u>Upper Monongahela River</u>
Quadrangle: <u>Grant Town</u>	Generally used farm name: <u>Sullivan</u>

Copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450). Copies of such documents or additional information related to horizontal drilling may be obtained from the Secretary by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Notice is hereby given by:

Well Operator: <u>Northeast Natural Energy, LLC</u>	Address: _____
Telephone: <u>304-414-7060</u>	<u>707 Virginia St. E, Suite 1200 Charleston, WV 25301</u>
Email: _____	Facsimile: <u>304-241-5972</u>

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05/05/2023

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF ENTRY FOR PLAT SURVEY

Notice Time Requirement: Notice shall be provided at least SEVEN (7) days but no more than FORTY-FIVE (45) days prior to entry

Date of Notice: 4/30/2021 Date of Planned Entry: 5/10/2021

Delivery method pursuant to West Virginia Code § 22-6A-10a

- PERSONAL SERVICE
- REGISTERED MAIL
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Notice is hereby provided to:

SURFACE OWNER(s)

Name: James Louis Doukas
Address: 13491 Olde Oak Dr
Charlotte Hall, MD 20622

Name: _____
Address: _____

Name: _____
Address: _____

COAL OWNER OR LESSEE

Name: _____
Address: _____

MINERAL OWNER(s)

Name: _____
Address: _____

*please attach additional forms if necessary

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State: West Virginia
County: Monongalia
District: Clay
Quadrangle: Grant Town

Approx. Latitude & Longitude: LAT: 39° 36'53.15", LON: -80° 13'22.77"
Public Road Access: Breezy Mountain Road (271)
Watershed: Upper Monongahela River
Generally used farm name: Sullivan

Copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450). Copies of such documents or additional information related to horizontal drilling may be obtained from the Secretary by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Notice is hereby given by:

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Email: _____

Address: _____
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Facsimile: 304-241-5972

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Notice is hereby provided to:

SURFACE OWNER(s)

Name: Clifton E Tennant Jr.
Address: 50 Eagle Dr
Fairview, WV 26570

Name: _____
Address: _____

Name: _____
Address: _____

COAL OWNER OR LESSEE

Name: _____
Address: _____

MINERAL OWNER(s)

Name: _____
Address: _____

*please attach additional forms if necessary

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District: <u>Clay</u>	Watershed: <u>Upper Monongahela River</u>
Quadrangle: <u>Grant Town</u>	Generally used farm name: <u>Sullivan</u>

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Email: _____

Address: _____
707 Virginia St. E, Suite 1200 Charleston, WV 25301
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WV Dept.
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Notice is hereby provided to:

SURFACE OWNER(s)

Name: Kerry L Darrah
Address: 802 Country Club Rd
Fairmont, WV 26554

Name: _____
Address: _____

Name: _____
Address: _____

COAL OWNER OR LESSEE

Name: _____
Address: _____

MINERAL OWNER(s)

Name: _____
Address: _____

*please attach additional forms if necessary

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Generally used farm name: Sullivan

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Notice is hereby provided to:

<input checked="" type="checkbox"/> SURFACE OWNER(s) Name: <u>Larry Nolan & Linda Mae Payton</u> Address: <u>30 Wyers Run Rd</u> <u>Fairview, WV 26570</u> Name: _____ Address: _____ Name: _____ Address: _____	<input type="checkbox"/> COAL OWNER OR LESSEE Name: _____ Address: _____ Name: _____ Address: _____ Name: _____ Address: _____
---	--

*please attach additional forms if necessary

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Well Operator: <u>Northeast Natural Energy, LLC</u>	Address: <u>WV Department of Environmental Protection</u>
Telephone: <u>304-414-7060</u>	<u>707 Virginia St. E, Suite 25301</u>
Email: _____	Facsimile: <u>304-241-5972</u>

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as 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 or your personal information, please contact DEP's Chief Privacy Officer at deprivacyofficer@wv.gov.

05/05/2023

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF ENTRY FOR PLAT SURVEY

Notice Time Requirement: Notice shall be provided at least SEVEN (7) days but no more than FORTY-FIVE (45) days prior to entry

Date of Notice: 4/30/2021 **Date of Planned Entry:** 5/10/2021

Delivery method pursuant to West Virginia Code § 22-6A-10a

- PERSONAL SERVICE
- REGISTERED MAIL
- METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION

Pursuant to West Virginia Code § 22-6A-10(a), Prior to filing a permit application, the operator shall provide notice of planned entry on to the surface tract to conduct any plat surveys required pursuant to this article. Such notice shall be provided at least seven days but no more than forty-five days prior to such entry to: (1) The surface owner of such tract; (2) to any owner or lessee of coal seams beneath such tract that has filed a declaration pursuant to section thirty-six, article six, chapter twenty-two of this code; and (3) any owner of minerals underlying such tract in the county tax records. The notice shall include a statement that copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, which statement shall include contact information, including the address for a web page on the Secretary's web site, to enable the surface owner to obtain copies from the secretary.

Notice is hereby provided to:

SURFACE OWNER(s)
 Name: John G & Patricia Conaway
 Address: 1811 Pleasant Valley Rd
Fairmont, WV 26554
 Name: _____
 Address: _____
 Name: _____
 Address: _____

COAL OWNER OR LESSEE
 Name: _____
 Address: _____
 MINERAL OWNER(s)
 Name: _____
 Address: _____
 *please attach additional forms if necessary

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct a plat survey on the tract of land as follows:

State: <u>West Virginia</u>	Approx. Latitude & Longitude: <u>LAT: 39° 36'53.15", LON: -80° 13'22.77"</u>
County: <u>Monongalia</u>	Public Road Access: <u>Breezy Height-Tennant Rd (27/1)</u>
District: <u>Clay</u>	Watershed: <u>Upper Monongahela River</u>
Quadrangle: <u>Grant Town</u>	Generally used farm name: <u>Sullivan</u>

Copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450). Copies of such documents or additional information related to horizontal drilling may be obtained from the Secretary by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

APR 19 2021

Notice is hereby given by:

Well Operator: Northeast Natural Energy, LLC
 Telephone: 304-414-7060
 Email: _____

Address: 707 Virginia St. E, Suite 1200 Charleston, WV 25301
 Facsimile: 304-241-5972

WV Department of Environmental Protection

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as 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 or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

05/05/2023

**STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF ENTRY FOR PLAT SURVEY**

Notice Time Requirement: Notice shall be provided at least SEVEN (7) days but no more than FORTY-FIVE (45) days prior to entry

Date of Notice: 4/30/2021 **Date of Planned Entry:** 5/10/2021

Delivery method pursuant to West Virginia Code § 22-6A-10a

- PERSONAL SERVICE REGISTERED MAIL METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION

Pursuant to West Virginia Code § 22-6A-10(a), Prior to filing a permit application, the operator shall provide notice of planned entry on to the surface tract to conduct any plat surveys required pursuant to this article. Such notice shall be provided at least seven days but no more than forty-five days prior to such entry to: (1) The surface owner of such tract; (2) to any owner or lessee of coal seams beneath such tract that has filed a declaration pursuant to section thirty-six, article six, chapter twenty-two of this code; and (3) any owner of minerals underlying such tract in the county tax records. The notice shall include a statement that copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, which statement shall include contact information, including the address for a web page on the Secretary's web site, to enable the surface owner to obtain copies from the secretary.

Notice is hereby provided to:

SURFACE OWNER(s)

Name: Connie Hamilton
Address: 4376 Crossroads Rd
Fairview, WV 26570

Name: _____
Address: _____

Name: _____
Address: _____

COAL OWNER OR LESSEE

Name: _____
Address: _____

MINERAL OWNER(s)

Name: _____
Address: _____

*please attach additional forms if necessary

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct a plat survey on the tract of land as follows:

State:	<u>West Virginia</u>	Approx. Latitude & Longitude:	<u>LAT: 39° 36'53.15", LON: -80° 13'22.77"</u>
County:	<u>Monongalia</u>	Public Road Access:	<u>Breezy Height-Tennant Rd (27/1)</u>
District:	<u>Clay</u>	Watershed:	<u>Upper Monongahela River</u>
Quadrangle:	<u>Grant Town</u>	Generally used farm name:	<u>Sullivan</u>

Copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 707 Virginia St., SE, Charleston, WV 25304 (304-926-0450). Copies of such documents or additional information related to horizontal drilling may be obtained from the Secretary by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

RECEIVED
Office of Oil and Gas
APR 19 2023
WV Department of
Environmental Protection
707 Virginia St. E, Suite 1200
Charleston, WV 25301

Notice is hereby given by:

Well Operator: Northeast Natural Energy, LLC
Telephone: 304-414-7060
Email: _____

Address: _____
Facsimile: 304-241-5972

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as 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.

05/05/2023

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF INTENT TO DRILL

Pursuant to W. Va. Code § 22-6A-16(b), the Notice of Intent to Drill is only required if the notice requirements of W. Va. Code § 22-6A-10(a) have NOT been met or if the Notice of Intent to Drill requirement has NOT been waived in writing by the surface owner.

Notice Time Requirement: Notice shall be provided at least TEN (10) days prior to filing a permit application.
Date of Notice: 06/09/2022 Date Permit Application Filed: 06/19/2022

Delivery method pursuant to West Virginia Code § 22-6A-16(b)

HAND DELIVERY CERTIFIED MAIL RETURN RECEIPT REQUESTED

Pursuant to W. Va. Code § 22-6A-16(b), at least ten days prior to filing a permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner notice of its intent to enter upon the surface owner's land for the purpose of drilling a horizontal well: *Provided*, That notice given pursuant to subsection (a), section ten of this article satisfies the requirements of this subsection as of the date the notice was provided to the surface owner: *Provided, however*, That the notice requirements of this subsection may be waived in writing by the surface owner. The notice, if required, shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative.

Notice is hereby provided to the SURFACE OWNER(s):

Name: Alan Sullivan
Address: 4676 32nd Court East
Bradenton, FL 34203

Name: _____
Address: _____

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-16(b), notice is hereby given that the undersigned well operator has an intent to enter upon the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

State: West Virginia UTM NAD 83 Easting: 566688.6
County: Monongalia Northing: 4385296.1
District: Clay Public Road Access: Route 27/1
Quadrangle: Grant Town Generally used farm name: Sullivan
Watershed: Upper Monongahela

This Notice Shall Include:

Pursuant to West Virginia Code § 22-6A-16(b), this notice shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Notice is hereby given by:

Well Operator: Northeast Natural Energy, LLC
Address: 707 Virginia St. E., Suite 1200
Charleston, WV 25301
Telephone: 304-414-7060
Email: hmedley@nne-llc.com
Facsimile: 304-414-7061

Authorized Representative: Hollie Medley, Regulatory Manager
Address: 48 Donley St, Suite 601
Morgantown, WV 26501
Telephone: 304-212-0422
Email: hmedley@nne-llc.com
Facsimile: _____

RECEIVED
Office of Oil and Gas
APR 19 2023
West Virginia Department of Environmental Protection

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as 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 records will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

05/05/2023

WW-6A5
(1/12)

Operator Well No. Sullivan 3H

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF PLANNED OPERATION

Notice Time Requirement: notice shall be provided no later than the **filing date of permit application.**

Date of Notice: 06/09/2022 **Date Permit Application Filed:** 06/19/2022

Delivery method pursuant to West Virginia Code § 22-6A-16(c)

CERTIFIED MAIL HAND
RETURN RECEIPT REQUESTED DELIVERY

Pursuant to W. Va. Code § 22-6A-16(c), no later than the date for filing the permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner whose land will be used for the drilling of a horizontal well notice of the planned operation. The notice required by this subsection shall include: (1) A copy of this code section; (2) The information required to be provided by subsection (b), section ten of this article to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. (d) The notices required by this section shall be given to the surface owner at the address listed in the records of the sheriff at the time of notice.

Notice is hereby provided to the SURFACE OWNER(s)

(at the address listed in the records of the sheriff at the time of notice):

Name: Alan Sullivan
Address: 4676 32nd Court East
Bradenton, FL 34203

Name: _____
Address: _____

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-16(c), notice is hereby given that the undersigned well operator has developed a planned operation on the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

State: <u>West Virginia</u>	UTM NAD 83 Easting: <u>566688.6</u>
County: <u>Monongalia</u>	Northing: <u>4385296.1</u>
District: <u>Clay</u>	Public Road Access: <u>Route 27/1</u>
Quadrangle: <u>Grant Town</u>	Generally used farm name: <u>Sullivan</u>
Watershed: <u>Upper Monongahela</u>	

This Notice Shall Include:

Pursuant to West Virginia Code § 22-6A-16(c), this notice shall include: (1) A copy of this code section; (2) The information required to be provided by W. Va. Code § 22-6A-10(b) to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Well Operator: Northeast Natural Energy, LLC
Telephone: 304-414-7060
Email: _____

Address: 707 Virginia St. E., Suite 1200
Charleston, WV 25301
Facsimile: 304-414-7061

Oil and Gas Privacy Notice:

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Office of Oil and Gas
APR 19 2023
WV Department of
Environmental Protection

05/05/2023

47 06 10 19 28

WW-6AW
(1-12)

API NO. 47- _____
OPERATOR WELL NO. 3H _____
Well Pad Name: Sullivan _____

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
VOLUNTARY STATEMENT OF NO OBJECTION

Instructions to Persons Named on Page WW-6A

The well operator named on page WW-6A is applying for a permit from the State of West Virginia to conduct oil or gas well work. Well work permits are valid for twenty-four (24) months. Please contact the listed well operator and the Office of Oil and Gas if you do not own any interest in the listed surface tract.

Comment and Waiver Provisions

Pursuant to West Virginia Code § 22-6A-11(a), all persons described in subsection (b), section ten of this article may file written comments with the secretary as to the location or construction of the applicant's proposed well work within thirty days after the application is filed with the secretary.

Pursuant to West Virginia Code § 22-6A-8(b) No permit may be issued less than thirty days after the filing date of the application for any well work except plugging or replugging; and no permit for plugging or replugging may be issued less than five days after the filing date of the application except a permit for plugging or replugging a dry hole: *Provided*, That if the applicant certifies that all persons entitled to notice of the application under the provisions of subsection (b), section ten of this article have been served in person or by certified mail, return receipt requested, with a copy of the well work application, including the erosion and sediment control plan, if required, and the well plat, and further files written statements of no objection by all such persons, the secretary may issue the well work permit at any time.

VOLUNTARY STATEMENT OF NO OBJECTION

I, _____, hereby state that I have read the Instructions to Persons Named on Page WW-6A and the associated provisions listed above, and that I have received copies of a Notice of Application, an Application for a Well Work Permit on Form WW-6A and attachments consisting of pages one (1) through _____, including the erosion and sediment control plan, if required, and the well plat, all for proposed well work on the tract of land as follows:

State: _____	West Virginia	UTM NAD 83	Easting: _____	566688.6
County: _____	Monongalia		Northing: _____	4385296.1
District: _____	Clay	Public Road Access: _____		Route 27/1
Quadrangle: _____	Grant Town	Generally used farm name: _____		Sullivan
Watershed: _____	Upper Monongahela			

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

<p>*Please check the box that applies</p> <p><input checked="" type="checkbox"/> SURFACE OWNER</p> <p><input checked="" type="checkbox"/> SURFACE OWNER (Road and/or Other Disturbance)</p> <p><input type="checkbox"/> SURFACE OWNER (Impoundments/Pits)</p> <p><input type="checkbox"/> COAL OWNER OR LESSEE</p> <p><input type="checkbox"/> COAL OPERATOR</p> <p><input type="checkbox"/> WATER PURVEYOR</p> <p><input type="checkbox"/> OPERATOR OF ANY NATURAL GAS STORAGE FIELD</p>	<p>FOR EXECUTION BY A NATURAL PERSON</p> <p>Signature: <u>Larry F & Brenda Kay Kuhn</u></p> <p>Print Name: <u>LARRY F & BRENDA KAY KUHN</u></p> <p>Date: <u>6-14-2022</u></p> <p>FOR EXECUTION BY A CORPORATION, ETC.</p> <p>Company: _____</p> <p>By: _____</p> <p>Its: _____</p> <p>Signature: _____</p> <p>Date: _____</p> <p style="text-align: right;">RECEIVED Office of Oil and Gas APR 19 2023 WV Department of Environmental Protection</p>
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Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as 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 or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

05/05/2023

WW-6AW
(1-12)

API NO. 47- _____
 OPERATOR WELL NO. 3H
 Well Pad Name: Sullivan

**STATE OF WEST VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
VOLUNTARY STATEMENT OF NO OBJECTION**

Instructions to Persons Named on Page WW-6A

The well operator named on page WW-6A is applying for a permit from the State of West Virginia to conduct oil or gas well work. Well work permits are valid for twenty-four (24) months. Please contact the listed well operator and the Office of Oil and Gas if you do not own any interest in the listed surface tract.

Comment and Waiver Provisions

Pursuant to West Virginia Code § 22-6A-11(a), all persons described in subsection (b), section ten of this article may file written comments with the secretary as to the location or construction of the applicant's proposed well work within thirty days after the application is filed with the secretary.

Pursuant to West Virginia Code § 22-6A-8(b) No permit may be issued less than thirty days after the filing date of the application for any well work except plugging or replugging; and no permit for plugging or replugging may be issued less than five days after the filing date of the application except a permit for plugging or replugging a dry hole: *Provided*, That if the applicant certifies that all persons entitled to notice of the application under the provisions of subsection (b), section ten of this article have been served in person or by certified mail, return receipt requested, with a copy of the well work application, including the erosion and sediment control plan, if required, and the well plat, and further files written statements of no objection by all such persons, the secretary may issue the well work permit at any time.

VOLUNTARY STATEMENT OF NO OBJECTION

I, _____, hereby state that I have read the Instructions to Persons Named on Page WW-6A and the associated provisions listed above, and that I have received copies of a Notice of Application, an Application for a Well Work Permit on Form WW-6A and attachments consisting of pages one (1) through _____, including the erosion and sediment control plan, if required, and the well plat, all for proposed well work on the tract of land as follows:

State: <u>West Virginia</u>	UTM NAD 83	Easting: <u>566688.6</u>
County: <u>Monongalia</u>		Northing: <u>4385296.1</u>
District: <u>Clay</u>	Public Road Access: _____	<u>Route 27/1</u>
Quadrangle: <u>Grant Town</u>	Generally used farm name: _____	<u>Sullivan</u>
Watershed: <u>Upper Monongahela</u>		

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

Patricia A Conaway by John G CONAWAY POA

- *Please check the box that applies
- SURFACE OWNER
 - SURFACE OWNER (Road and/or Other Disturbance)
 - SURFACE OWNER (Impoundments/Pits)
 - COAL OWNER OR LESSEE
 - COAL OPERATOR
 - WATER PURVEYOR
 - OPERATOR OF ANY NATURAL GAS STORAGE FIELD

FOR EXECUTION BY A NATURAL PERSON

Signature: *[Signature]*
 Print Name: John G CONAWAY
 Date: 6/15/2022

FOR EXECUTION BY A CORPORATION, ETC.

Company: _____
 By: _____
 Its: _____

Signature: _____
 Date: _____

RECEIVED
 Office of Oil and Gas
 APR 19 2023

Oil and Gas Privacy Notice:
 The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of its 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.

05/05/2023

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
VOLUNTARY STATEMENT OF NO OBJECTION

Instructions to Persons Named on Page WW-6A

The well operator named on page WW-6A is applying for a permit from the State of West Virginia to conduct oil or gas well work. Well work permits are valid for twenty-four (24) months. Please contact the listed well operator and the Office of Oil and Gas if you do not own any interest in the listed surface tract.

Comment and Waiver Provisions

Pursuant to West Virginia Code § 22-6A-11(a), all persons described in subsection (b), section ten of this article may file written comments with the secretary as to the location or construction of the applicant's proposed well work within thirty days after the application is filed with the secretary.

Pursuant to West Virginia Code § 22-6A-8(b) No permit may be issued less than thirty days after the filing date of the application for any well work except plugging or replugging; and no permit for plugging or replugging may be issued less than five days after the filing date of the application except a permit for plugging or replugging a dry hole: *Provided*, That if the applicant certifies that all persons entitled to notice of the application under the provisions of subsection (b), section ten of this article have been served in person or by certified mail, return receipt requested, with a copy of the well work application, including the erosion and sediment control plan, if required, and the well plat, and further files written statements of no objection by all such persons, the secretary may issue the well work permit at any time.

VOLUNTARY STATEMENT OF NO OBJECTION

I, Casey Saunders, hereby state that I have read the Instructions to Persons Named on Page WW-6A and the associated provisions listed above, and that I have received copies of a Notice of Application, an Application for a Well Work Permit on Form WW-6A and attachments consisting of pages one (1) through _____, including the erosion and sediment control plan, if required, and the well plat, all for proposed well work on the tract of land as follows:

State:	<u>West Virginia</u>	UTM NAD 83	Easting:	<u>566678.2</u>
County:	<u>Monongalia</u>		Northing:	<u>4385279.3</u>
District:	<u>Clay</u>	Public Road Access:		<u>Route 27/1</u>
Quadrangle:	<u>Grant Town</u>	Generally used farm name:		<u>Sullivan</u>
Watershed:	<u>Upper Monongahela</u>			

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

<p>*Please check the box that applies</p> <p><input type="checkbox"/> SURFACE OWNER</p> <p><input type="checkbox"/> SURFACE OWNER (Road and/or Other Disturbance)</p> <p><input type="checkbox"/> SURFACE OWNER (Impoundments/Pits)</p> <p><input checked="" type="checkbox"/> COAL OWNER OR LESSEE</p> <p><input checked="" type="checkbox"/> COAL OPERATOR</p> <p><input type="checkbox"/> WATER PURVEYOR</p> <p><input type="checkbox"/> OPERATOR OF ANY NATURAL GAS STORAGE FIELD</p>	<p>FOR EXECUTION BY A NATURAL PERSON</p> <p>Signature: _____</p> <p>Print Name: _____</p> <p>Date: _____</p>
	<p>FOR EXECUTION BY A CORPORATION, ETC.</p> <p>Company: <u>CONSOL Mining Company LLC</u></p> <p>By: <u>Casey Saunders</u></p> <p>Its: <u>Manager Coal/Gas Coordination</u></p> <p>Signature: <u>Casey Saunders</u></p> <p>Date: <u>04/13/2023</u></p>

Oil and Gas Privacy Notice:

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05/05/2023



47 06 10 19 28

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

1900 Kanawha Boulevard East • Building Five • Room 110
Charleston, West Virginia 25305-0430 • (304) 558-3505

D. Alan Reed, P.E.
State Highway Engineer

Jimmy Wriston, P. E.
Secretary of Transportation
Commissioner of Highways

June 28, 2022

James A. Martin, Chief
Office of Oil and Gas
Department of Environmental Protection
601 57th Street, SE
Charleston, WV 25304

Subject: DOH Permit for the Sullivan Pad, Monongalia County
Sullivan 3H Well Site

Dear Mr. Martin,

This well site will be accessed from a DOH permit #04-2022-0423 which has been issued to Northeast Natural Energy for access to the State Road for a well site located off Monongalia County Route 27/1 SLS MP 0.42.

This operator is in compliance with §22-6A-20 of the WV Code. Operator has signed a DISTRICT WIDE OIL AND GAS ROAD MAINTENANCE BONDING AGREEMENT and provided the required Bond. This operator is currently in compliance with the DOH OIL AND GAS POLICY dated October 1, 2018. This letter is valid for permitting purposes for one year from the date of this letter.

Very Truly Yours,

Gary K. Clayton, P.E.
Regional Maintenance Engineer
Central Office O&G Coordinator

Cc: Kristen Brooks
Northeast Natural Energy
CH, OM, D-4
File

RECEIVED
Office of Oil and Gas

APR 19 2023

WV Department of
Environmental Protection

E.E.O./AFFIRMATIVE ACTION EMPLOYER

05/05/2023

Planned Additives To Be Used In Fracturing Stimulations

Trade Name	Purpose	Ingredients	Chemical Abstract Service Number (CAS#)
Water	Carrier	Water	7732-18-5
HCl, 10.1-15%	Acidizing	Hydrochloric Acid Water	7647-01-0 7732-18-5
Alpha 1427	Biocide	Alkyl Dimethyl Benzyl Ammonium Chloride (C12-16) Ethanol Glutaraldehyde Quaternary Ammonium Chloride Water	68424-85-1 64-17-5 111-30-8 7173-51-5 7732-18-5
Enzyme G-NE	Breaker	Hemicellulase Enzyme Concentrate Water	9025-56-3 7732-18-5
Cl-14	Corrosion Inhibitor	Fatty Acids Methanol Olefin Polyoxyalkylenes Propargyl Alcohol	NA 67-56-1 NA NA 107-19-7
GW-3LDF	Gelling Agent	Guar Gum Petroleum Distillate Blend	9000-30-0 CBI
FRW-18	Friction Reducer	Hydrotreated Light Distillate	64742-47-8
Ferrotrol 300L	Iron Control	Citric Acid	77-92-9
Sand, White, 40/70	Proppant	Crystalline Silica (Quartz)	14808-60-7
Sand, White, 100 mesh	Proppant	Crystalline Silica (Quartz)	14808-60-7
Scaletrol 720	Scale Inhibitor	Diethylene Glycol	111-46-6

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WW-6A7
(6-12)

OPERATOR: Northeast Natural Energy LLC WELL NO: 3H

PAD NAME: Sullivan

REVIEWED BY: Hollie Medley SIGNATURE: Hollie Medley

WELL RESTRICTIONS CHECKLIST

HORIZONTAL 6A WELL

Well Restrictions

At Least 100 Feet from Pad and LOD (including any E&S Control Feature) to any Perennial Stream, Lake, Pond, Reservoir or Wetland; OR

DEP Waiver and Permit Conditions

At Least 300 Feet from Pad and LOD (including any E&S Control Feature) to any Naturally Producing Trout Stream; OR

DEP Waiver and Permit Conditions

At Least 1000 Feet from Pad and LOD (including any E&S Control Feature) to any Groundwater Intake or Public Water Supply; OR

DEP Waiver and Permit Conditions

At Least 250 Feet from an Existing Water Well or Developed Spring to Well Being Drilled; OR

Surface Owner Waiver and Recorded with County Clerk, OR

DEP Variance and Permit Conditions

At Least 625 Feet from an Occupied Dwelling Structure to Center of the Pad; OR

Surface Owner Waiver and Recorded with County Clerk, OR

DEP Variance and Permit Conditions

At Least 625 Feet from Agricultural Buildings Larger than 2500 Square Feet to the Center of the Pad; OR

Surface Owner Waiver and Recorded with County Clerk, OR

DEP Variance and Permit Conditions

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05/05/2023