



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, November 9, 2022
WELL WORK PERMIT
Horizontal 6A / New Drill

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

Re: Permit approval for DOLLS RUN 1H
47-061-01914-00-00

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

A blue ink signature of James A. Martin, Chief, is written over the printed name and title.

Operator's Well Number: DOLLS RUN 1H
Farm Name: BRYAN & SIERRA VANNOR
U.S. WELL NUMBER: 47-061-01914-00-00
Horizontal 6A New Drill
Date Issued: 11/9/2022

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. 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.

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

1) Well Operator: Northeast Natural Energy 494498281 Monongalia Clay Osage
Operator ID County District Quadrangle

2) Operator's Well Number: 1H Well Pad Name: Dolls Run

3) Farm Name/Surface Owner: Bryan & Sierra VanNorman Public Road Access: Little Indian Creek Rd/SR 41

4) Elevation, current ground: 1,535' Elevation, proposed post-construction: 1,521'

5) Well Type (a) Gas Oil Underground Storage

Other _____

(b) If Gas Shallow Deep

Horizontal

6) Existing Pad: Yes or No No

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Marcellus, 8,029', 110', 5,200 psi

8) Proposed Total Vertical Depth: 8,074'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 25,141'

11) Proposed Horizontal Leg Length: 16,610'

12) Approximate Fresh Water Strata Depths: 50', 1,451'

13) Method to Determine Fresh Water Depths: offset wells

14) Approximate Saltwater Depths: 2,299'

15) Approximate Coal Seam Depths: 399', 1,449'

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: _____

Depth: _____

Seam: _____

Owner: _____

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WW-6B
(04/15)

4706101914
 API NO. 47- _____ - _____
 OPERATOR WELL NO. 1H
 Well Pad Name: Dolls Run

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	1,550'	1,520'	CTS
Coal							
Intermediate	9-5/8"	New	J-55	36	2,530'	2,500	CTS
Production	5-1/2"	New	P-110	20	25,141'	25,141'	5,975
Tubing	2-7/8"	New	P-110	6.5	NA		
Liners							

Ernest L. Reynolds 9-14-22

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 or L	1.19
Coal							
Intermediate	9-5/8"	12-3/8"	0.395	3,520	2,800	Class A or L	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	0.271	13,870	NA	NA	NA
Liners							

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PACKERS

Kind:				
Sizes:				
Depths Set:				

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
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Coal							
Intermediate	9-5/8"	New	J-55	36	2,530'	2,500	CTS
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Coal							
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Tubing	2-7/8"	NA	0.271	13,870	NA	NA	NA
Liners							

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Environmental Protection

PACKERS

Kind:				
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): 27.36

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22) Area to be disturbed for well pad only, less access road (acres): 10.01

OCT 06 2022

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.

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

Surface: Class A or L Cement + Max 3% bwoc Calcium Chloride Fresh Water blend.
Intermediate: Class A or L Cement + Max 3% bwoc Calcium Chloride + Fresh Water.
Production: 50:50 Poz (Fly Ash & Class A or L) plus additives such as defoamer, retarder, & fluid loss to meet well specific requirements

25) Proposed borehole conditioning procedures:

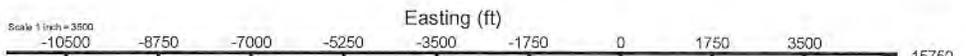
Surface & intermediate on air will utilize high volumetric flow rates of air to ensure the wellbore is clean prior to TOH. Production section will utilize synthetic oil based drilling mud to properly clean the wellbore. At TD, pump rate and rotation will be maximized and tripping will not begin until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

*Note: Attach additional sheets as needed.

4706101914

NORTHEAST NATURAL ENERGY, LLC

Location: Monongalia County, WV Slot: Slot #1H
 Field: Monongalia Well: Dolls Run 1H
 Facility: Dolls Run Pad Wellbore: Dolls Run 1H PWB



Location Information			
Facility Name	Grid East (US Ft)	Grid North (US Ft)	Latitude
Dolls Run Pad	150147.510	417335.540	39°36'44.2082"W
Well	Local E (ft)	Grid North (US Ft)	Longitude
Dolls Run 1H	3.02	150146.150	417336.700
Well	Local E (ft)	Grid North (US Ft)	Longitude
Dolls Run 1H	3.02	150146.150	417336.700

Dolls Run 1H BHL Rev-1
 BHL : 8074.00ft TVD, 13622.34ft N, 9311.99ft W

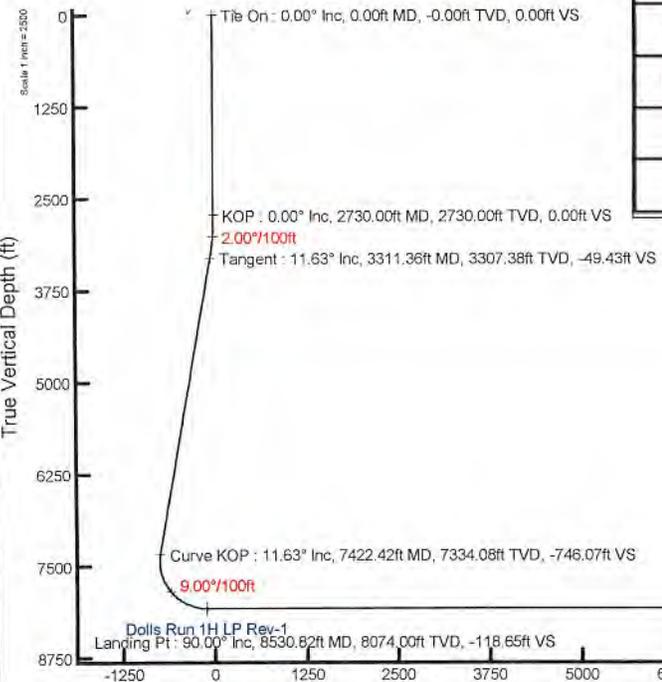
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Casing Type	Hole Size	Casing Size	Grade	Weight	Casing Depth (GL)	Drill Depth
Conductor	32"	24"	N/A	N/A	100	100
Surface	17.5"	13.375"	J-55	54.5	1520	1550
Intermediate	12.25"	9.675"	J-55	36	2500	2530

Dolls Run 1H Hardline 2 7.19.2022



Formation	Top (GL)
Tully	7840
Hamilton	7904
Upper Marcellus	8011
Lower Marcellus	8056
Target	8074
Onondaga	8114



HOGM2022v1.0 (1902.0 to 2023.0) Dip: 66.36° Field: 51672.2 (1)
 Magnetic North is 9.44 degrees West of True North (at 7/18/2022)
 Grid North is 0.38 degrees West of True North
 To correct azimuth from True to Grid add 0.38 degrees
 To correct azimuth from Magnetic to Grid subtract 9.06 degrees

Tie On : -0.00ft TVD, 0.00ft N, 0.00ft E
 KOP : 2730.00ft TVD, 0.00ft N, 0.00ft E
 Tangent : 3307.38ft TVD, 58.79ft S, 0.39ft W

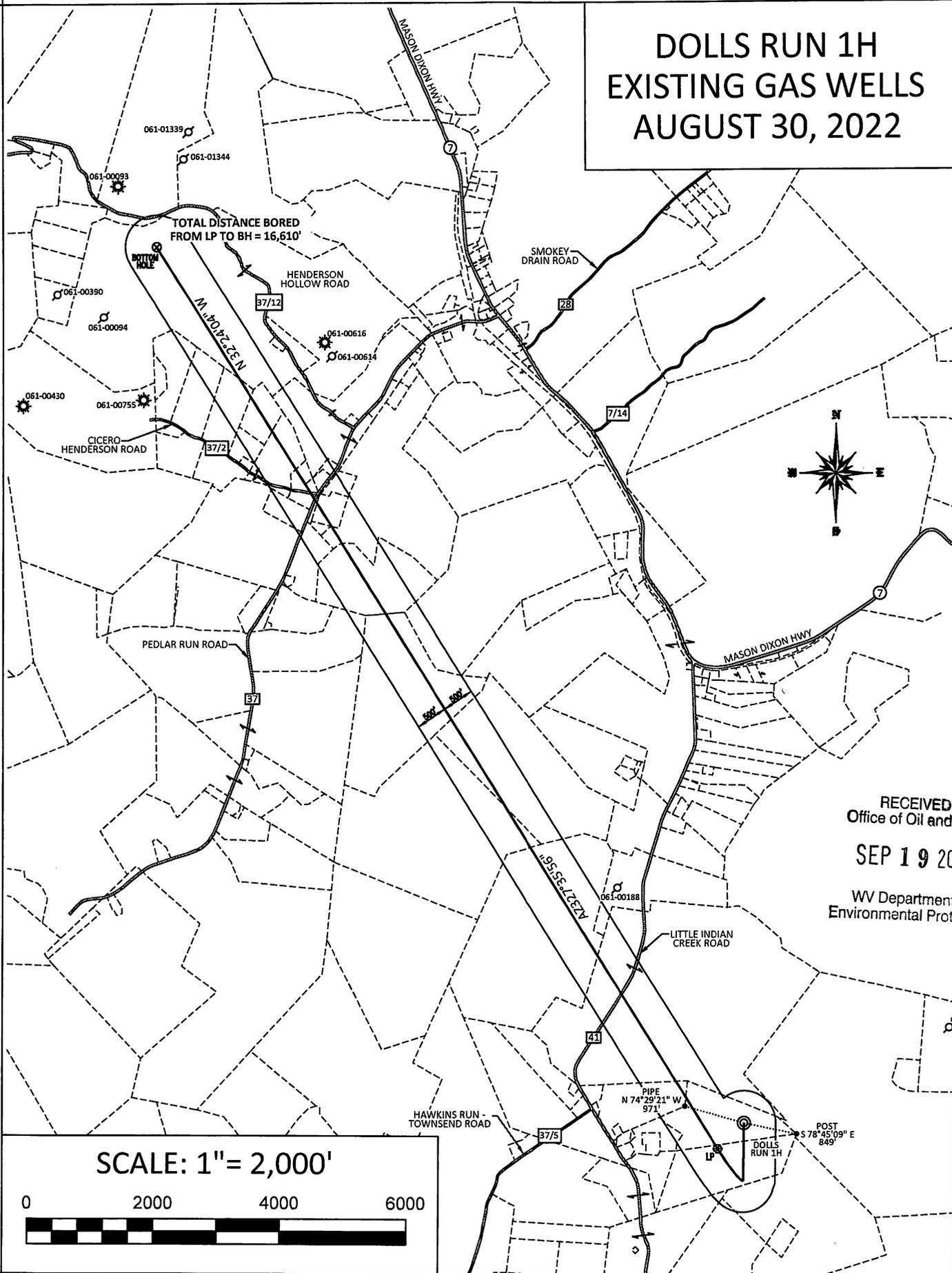
Dolls Run 1H LP Rev-1
 Landing Pt : 8074.00ft TVD, 461.75ft S, 411.60ft W
 Dolls Run Hardline 1 8.16.2022
 Curve KOP : 7334.06ft TVD, 887.32ft S, 5.81ft W ~50'

Dolls Run 1H BHL Rev-1
 BHL : 90.00° Inc, 25140.82ft MD, 8074.00ft TVD, 16491.34ft VS

Vertical Section (ft)
 Azimuth 327.60° with reference 0.00 N, 0.00 E

Scale 1 inch = 2500

DOLLS RUN 1H EXISTING GAS WELLS AUGUST 30, 2022



HAWKINS RUN - TOWNSEND ROAD

PIPE
N 74°29'21" W
971'

POST
S 78°45'09" E
849'

DOLLS RUN 1H

LP

LITTLE INDIAN CREEK ROAD

MASON DIXON HWY

PEDLAR RUN ROAD

CICERO HENDERSON ROAD

SMOKEY DRAIN ROAD

HENDERSON HOLLOW ROAD

BOTTOM HOLE

061-01339

061-01344

061-00093

061-00390

061-00094

061-00430

061-00755

061-00616

061-00614

061-00188

061-00222

37/12

37/2

37

41

37/5

28

7/14

7

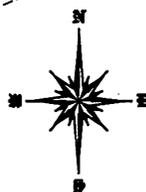
7

MASON DIXON HWY

N 20° E 23'

N 95° E 35'

S 80° E 58'





4706101914

west virginia department of environmental protection

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

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

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

**IN THE MATTER OF A VARIANCE FROM)
LEGISLATIVE RULE 35CSR4)
SECTION 11.5 AND LEGISLATIVE RULE)
35CSR8 SECTION 9.2.h.8.,)
RELATING TO THE CEMENTING)
OF OIL AND GAS WELLS)**

ORDER NO. 2022-14

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WV Department of
Environmental Protection

REPORT OF THE OFFICE

In response to industry requests, the West Virginia Department of Environmental Protection, Office of Oil and Gas has reviewed the proposed use of American Petroleum Institute (API) Class L cement to be used in place of API Class A cement for well construction.

FINDINGS OF FACT

1. On July 14, 2022, Northeast Natural Energy (NNE) submitted a variance request from Legislative Rule 35CSR8 Section 9.2.h.8., for the use of API Class L cement in place of API Class A cement, relating to the construction of horizontal wells.
2. Laboratory analysis submitted by NNE on July 14, 2022, indicates API Class L cement is comparable to API Class A cement and thereby satisfies the requirements of the West Virginia Code.
3. Contemporaneously, the Chief of the Office of Oil and Gas also chose to consider a variance to Legislative Rule 35CSR4 Section 11.5., for the use of API Class L cement in place of API Class A cement, relating to the construction of vertical wells.

4. On August 18, 2022, the Office of Oil and Gas provided public notice of acceptance of public comments on the variance consideration. During the 20-day public comment period, no comments were received.

CONCLUSIONS OF LAW

Pursuant to Article 6 and Article 6A, Chapter 22 of the Code of West Virginia, the Office of Oil and Gas has jurisdiction over the subject matter, and the persons interested therein, and jurisdiction to promulgate the hereinafter prescribed Order.

Pursuant to Legislative Rule 35CSR4, Section 18 and Legislative Rule 35CSR8, Section 14, the Chief of the Office of Oil and Gas may grant a variance from any requirement of these rules.

ORDER

It is ordered that the Class L cement product approved and monogrammed by API is approved for use in place of API Class A cement for well construction subject to the provisions of Legislative Rule 35CSR4 and Legislative Rule 35CSR8.

Dated this, the 13th day of September, 2022.

IN THE NAME OF THE STATE OF WEST VIRGINIA

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Office of Oil and Gas

NOV 03 2022

WV Department of
Environmental Protection

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



James Martin, Chief
Office of Oil and Gas

4706101914

Class L Cement Variance – Dolls Run 1H

Mrs. Siera Jordan VanNorman
2468 Little Indian Creek Road
Core, WV 26541

By signing below, I verify that I have received, via hand delivery, a copy of the West Virginia Department of Environmental Protection, Office of Oil and Gas, Order No. 2022-14 approving the variance request to utilize American Petroleum Institute (“API”) Class L cement in place of API Class A cement for well construction. I also verify receipt of Northeast Natural Energy’s (“NNE”) letter of intent to utilize API Class L cement on its Dolls Run 1H well.



Siera Jordan VanNorman

11/02/2022

Date

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Office of Oil and Gas

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Environmental Protection

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, Siera Jordan VanNorman, 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 5, 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	Eastings:	<u>577809.0</u>
County:	<u>Monongalia</u>		Northing:	<u>4388823.8</u>
District:	<u>Clay</u>	Public Road Access:	<u>Little Indian Creek Rd/ SR 41</u>	
Quadrangle:	<u>Osage</u>	Generally used farm name:	<u>Dolls Run</u>	
Watershed:	<u>Dunkard Creek</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. I also have no objection to the use of API Class L cement in place of API Class A cement as approved by Order No. 2022-14.

*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: Siera Jordan VanNorman

Print Name: Siera Jordan VanNorman

Date: 11/02/2022

FOR EXECUTION BY A CORPORATION, ETC.

Company: _____

By: _____ **RECEIVED**

Its: _____ **Office of Oil and Gas**

Signature: _____ **NOV 03 2022**

Date: _____

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.

Class L Cement Variance – Dolls Run 1H

Mr. Bryan D. VanNorman
2468 Little Indian Creek Road
Core, WV 26541

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Bryan D. VanNorman

11-2-22

Date

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Office of Oil and Gas

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Environmental Protection

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

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VOLUNTARY STATEMENT OF NO OBJECTION

I, Bryan D. VanNorman, 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 5, 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:

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County:	<u>Monongalia</u>		Northing:	<u>4388823.8</u>
District:	<u>Clay</u>	Public Road Access:	<u>Little Indian Creek Rd/ SR 41</u>	
Quadrangle:	<u>Osage</u>	Generally used farm name:	<u>Dolls Run</u>	
Watershed:	<u>Dunkard Creek</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. I also have no objection to the use of API Class L cement in place of API Class A cement as approved by Order No. 2022-14.

<p>*Please check the box that applies</p> <p><input checked="" 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 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></u></p> <p>Print Name: <u>Bryan D. VanNorman</u></p> <p>Date: <u>11-2-22</u></p> <hr/> <p>FOR EXECUTION BY A CORPORATION, ETC.</p> <p>Company: _____</p> <p>By: _____</p> <p>Its: <u>NOV 03 2022</u></p> <p>Signature: _____</p> <p>Date: _____</p> <p style="text-align: right;">RECEIVED Office of Oil and Gas WV Department of Environmental Protection</p>
--	---

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.

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, Steve Bair, 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 5, 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>577809.0</u>
County:	<u>Monongalia</u>		Northing:	<u>4388823.8</u>
District:	<u>Clay</u>	Public Road Access:	<u>Little Indian Creek Rd/ SR 41</u>	
Quadrangle:	<u>Osage</u>	Generally used farm name:	<u>Dolls Run</u>	
Watershed:	<u>Dunkard Creek</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. I also have no objection to the use of API Class L cement in place of API Class A cement as approved by Order No. 2022-14.

<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 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>American Consolidated Natural Resources, Inc.</u></p> <p>By: <u>Steve Bair</u></p> <p>Its: <u>Coal, Oil and Gas Relations Manager</u></p> <p>Signature:  _____</p> <p>Date: <u>10/27/2022</u></p> <p style="text-align: right;">RECEIVED Office of Oil and Gas NOV 01 2022</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, in connection with 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 or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

Northeast Natural Energy LLC Mine Contingency Plan



On all wells drilled, Northeast Natural Energy LLC ("NNE") has contingency strategies in place should an unanticipated void or mine be encountered while drilling the surface section of the well. If encountered, any accumulated gases will be diverted a safe distance away from the drilling operations through the blooey line and/or flare.

All casings programs submitted to the state incorporate the use of a 24" conductor over the previously used 20" that has long been the industry standard for a typical Marcellus design. The use of 24" conductor casing allows the use of a 22" bit to ream the surface hole, and drill 50' below the void to run a string of 18-5/8" 87.50#/ft J-55 through the section when needed.

The 18-5/8" would be set 30-50' below the void with cement baskets placed directly above and below. The section of pipe below the void would be cemented using the balance method with 100% excess. The section above the void would be cemented separately by using remedial top fill techniques and 30% excess.

With the use of these string sizes and techniques, the surface and intermediate strings do not need to be altered. After a proper WOC time, the surface section of the well would continue to be drilled with a 17-1/2" bit and the 13-3/8" 54.50#/ft freshwater casing would be set at the originally permitted depth.

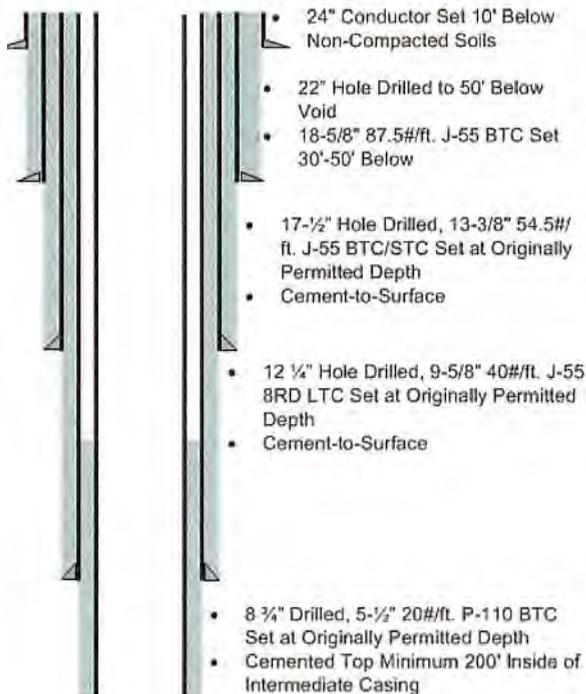
**The diagram below visually shows the alternative casing plan should an unanticipated void be encountered.*

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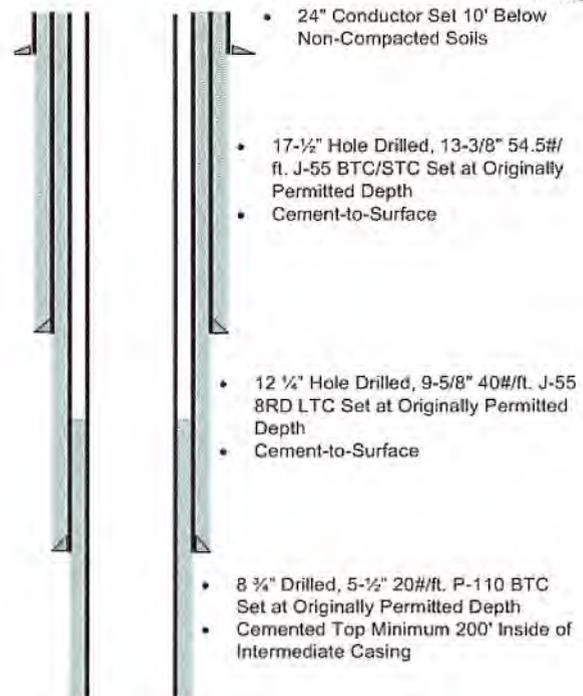
SEP 19 2010

WV Department -
Environmental Protection

Casing Schematic w/ Mine String



Casing Schematic w/o Mine String



4706101914

WW-9
(4/16)

API Number 47 - _____
Operator's Well No. Dolls Run 1H

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 Osage

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 _____)

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OCT 06 2022

WV Department of
Environmental Protection

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 17th day of September, 20 22

Kristen Brooks

Notary Public



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

My commission expires Aug. 10, 2023

Northeast Natural Energy LLC

Proposed Revegetation Treatment: Acres Disturbed 27.36 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

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Environmental Protection

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: [Signature]

Comments: _____

Title: OIL & GAS INSPECTOR Date: 9-14-22

Field Reviewed? (V) Yes () No

Attachment A to WW-9

Northeast Natural Energy LLC (“NNE”) plans to utilize a closed loop process for its drilling of the well. Return flow from the well will be separated into its liquid and solid form. Liquids will be held in steel tanks and reused in the drilling and completion process or disposed of at an approved facility listed below. Solids removed from the stream will be diverted to steel half-round tanks where they will be solidified on site and taken to disposal as they are accumulated.

The Drill Cuttings will be taken to disposal at one or more of the following disposal/approved waste facilities, unless listed facilities are no longer approved to accept waste at time of disposal:

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

NNE plans to reuse and recycle all flowback fluid and/or reach out to other operators in the area who may be able to reuse and recycle such fluid. However, in the event that reuse is not obtainable the fluid will be disposed of at one, or multiple, of the following disposal/approved waste facilities unless listed facilities are no longer approved to accept waste at time of disposal:

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

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OCT 06 2022
WV Department of
Environmental Protection

4706101914



northeast
NATURAL ENERGY

**Dolls Run Pad
Site Safety Plan**

September 2022

Amos L. Reynolds

9-14-22

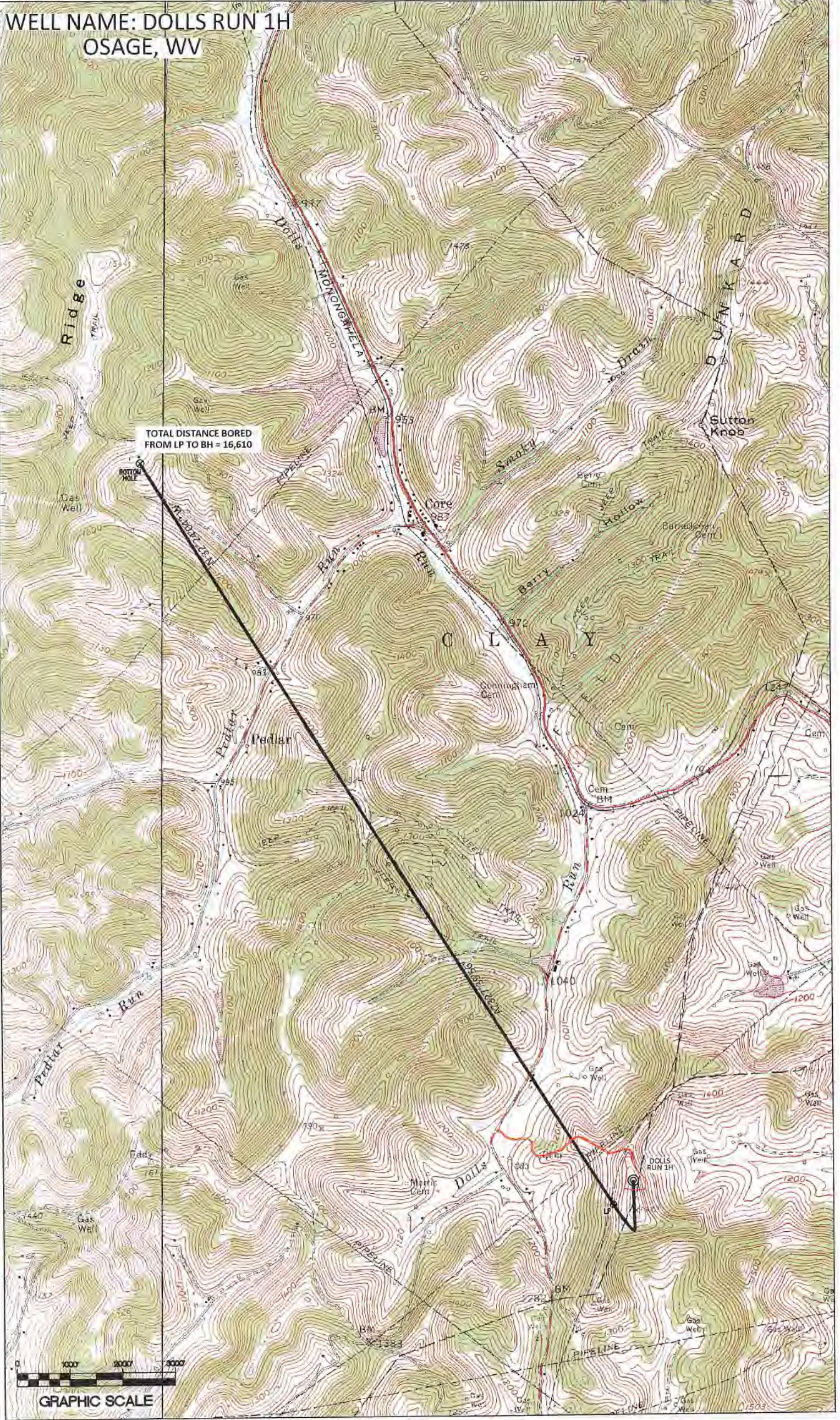
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SEP 19 2022

WV Department of
Environmental Protection

WELL NAME: DOLLS RUN 1H
OSAGE, WV

TOTAL DISTANCE BORED
FROM LP TO BH = 16,610



GRAPHIC SCALE

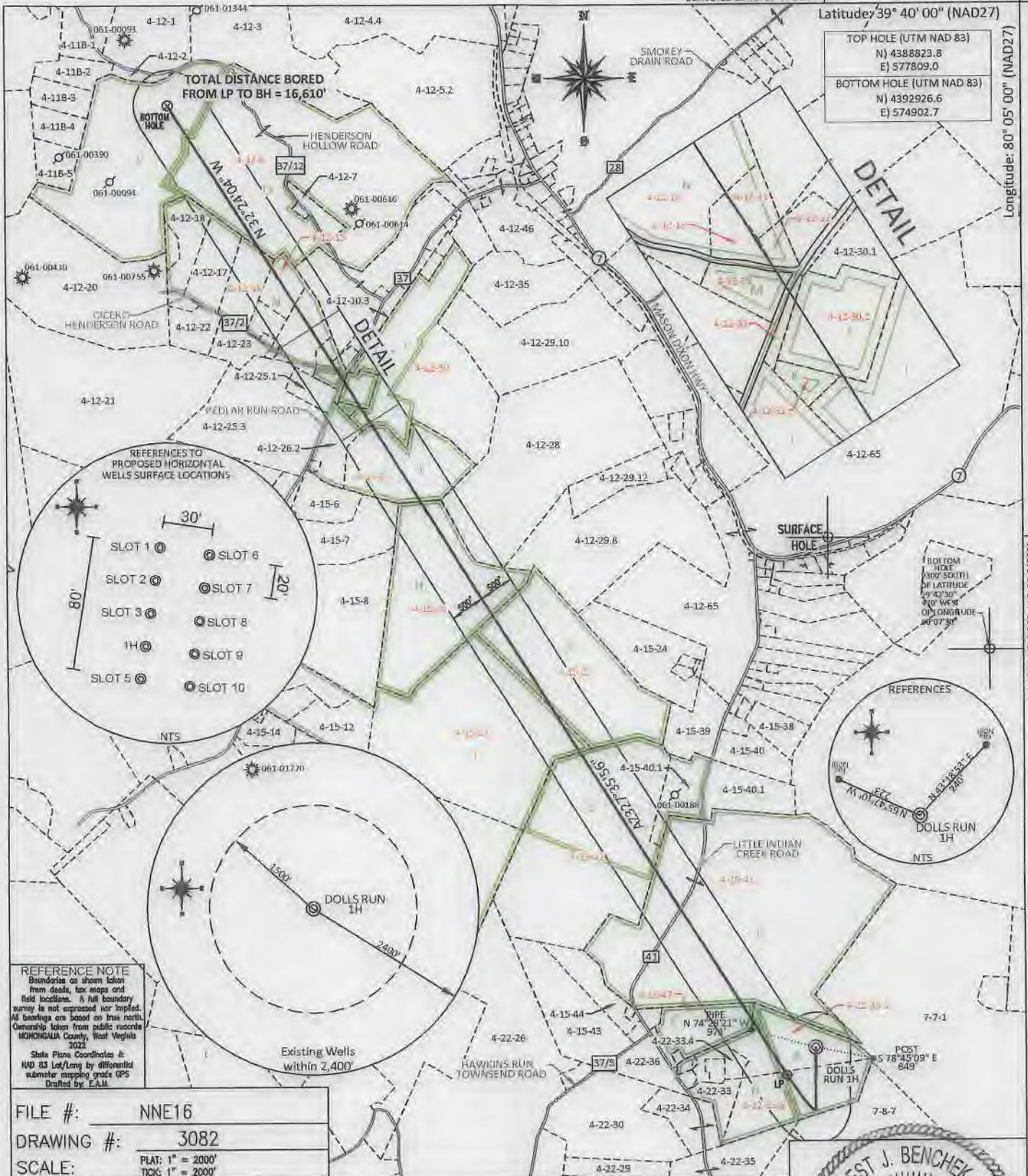
SURFACE HOLE DEC. LONG: 80.098343
SURVEYED LONG: 80°05'36.0"

2,820'

Latitude: 39° 40' 00" (NAD27)

Longitude: 80° 05' 00" (NAD27)

TOP HOLE (UTM NAD 83)
N) 4388823.8
E) 577809.0
BOTTOM HOLE (UTM NAD 83)
N) 4392926.6
E) 574902.7



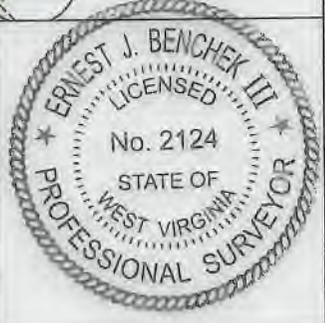
SURFACE HOLE DEC. LAT: 39.6645386
SURVEYED LAT: 39° 38' 44.1"

REFERENCE NOTE
Boundaries as shown taken from deeds, tax maps and field locations. A full boundary survey is not supposed nor implied. All bearings are based on true north. Ownership taken from public records MONONGALIA County, West Virginia 2022.
State Plane Coordinates & NAD 83 Lat/Long by differential submeter mapping grade GPS Drafted by E.A.M.

FILE #: NNE16
DRAWING #: 3082
SCALE: PLAT: 1" = 2000'
TRICK: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: 1/200
PROVEN SOURCE OF ELEVATION: SUBMETER MAPPING GRADE GPS

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: DUNKARD CREEK
COUNTY/DISTRICT: MONONGALIA / CLAY
SURFACE OWNER: BRYAN & SIERRA VANNORMAN
OIL & GAS ROYALTY OWNER: MARK V EDDY
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: AUGUST 30, 2022
OPERATOR'S WELL #: DOLLS RUN 1H
API WELL #: 47 61 01914 HCA
STATE COUNTY PERMIT
PROPOSED ELEVATION: 1,521.9'
QUADRANGLE: OSAGE
ACREAGE: 27.74 +/-
ACREAGE: 1,211.243 +/-
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: 8,074' TMD: 25,140.82'
DESIGNATED AGENT: JOHN ADAMS
ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200
CITY: CHARLESTON STATE: WV ZIP CODE: 25301

PROPERTY OWNER INDEX	
4-22-33.1	BRYAN & SIERRA VANNORMAN
4-22-33.6	DANIEL D. & MARTHA P. SPERANDIO
4-15-47	MARVIN E. MORRIS
4-15-41	DONNA N. & ROBERT ALLEN WRIGHT
4-15-42	STATE OF WEST VIRGINIA BUREAU OF COMMERCE
4-15-21	STATE OF WEST VIRGINIA BUREAU OF COMMERCE
4-15-22	MARK V. & BETTY A. EDDY
4-15-23	STATE OF WEST VIRGINIA BUREAU OF COMMERCE
4-12-27	ROBERT I. JONES
4-12-30	ROBERT C. WALLS FAMILY TRUST
4-12-31	ROBERT C. & DIANA WALLS
4-12-30.2	ROBERT C. WALLS
4-12-32	ROBERT C. & DIANA WALLS
4-12-25	JOY HENDERSON & KIMBERLY SCHNAPP
4-12-12	VICTORIO & PERLA C. CARREON
4-12-13	JOHANNA LEA MULL
4-12-11	JOHANNA LEA MULL
4-12-14	EDWARD F. & CATHY W. JERNELL
4-12-15	JOSHUA MICHAEL SANDONE
4-12-16	HARRY L. CHAMBERS
4-12-6	ALPHEUS MICHAEL HENDERSON

LEASE INDEX			
A	WV-061-004020-000	I	WV-061-005963-003
B	WV-061-004020-000	J	WV-061-002357-000
C	WV-061-005830-001	K	WV-061-006010-001
D	WV-061-005246-002	L	WV-061-005516-002
E	WV-061-004237-001	M	WV-061-003963-001
F	WV-061-004240-001	N	WV-061-003475-015
G	WV-061-001575-014	O	WV-061-004058-000
H	WV-061-004255-001	P	WV-061-004058-000

FILE #: NEE14

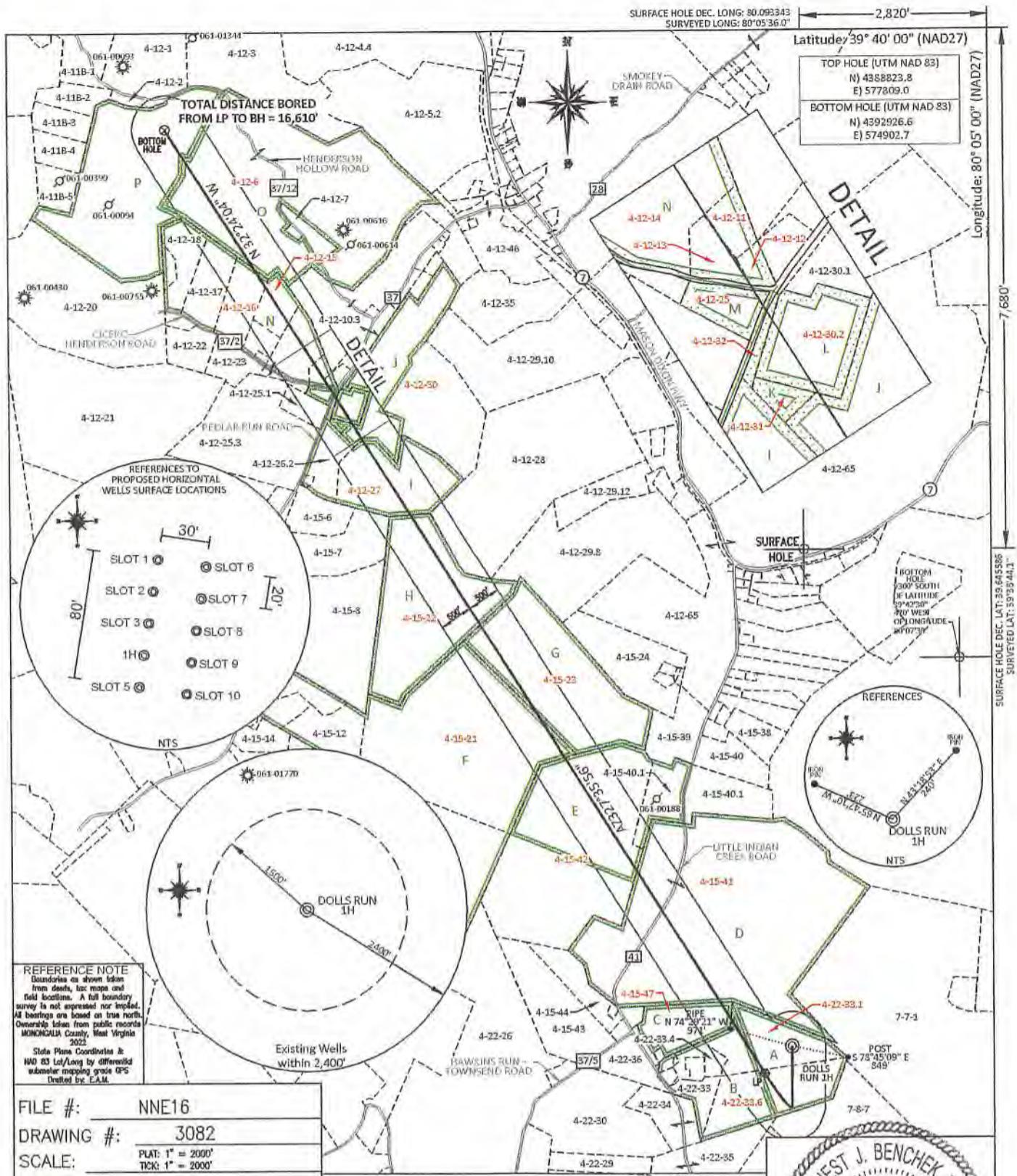
DRAWING #: 3082

SCALE: N/A

DATE: AUGUST 30, 2022

OPERATOR'S WELL #: DOLLS RUN 1H

API WELL #: 47 61 01914 H/A
STATE COUNTY PERMIT



REFERENCE NOTE
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 State Plane Coordinates is NAD 83 Lat/Long by differential submeter mapping grade GPS created by E.A.M.

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TICK: 1" = 2000'

MINIMUM DEGREE OF ACCURACY: 1/200

PROVEN SOURCE OF ELEVATION: SUBMETER MAPPING GRADE GPS

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP

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 601 57TH STREET
 CHARLESTON, WV 25304

Well Type: Oil Waste Disposal Production Deep
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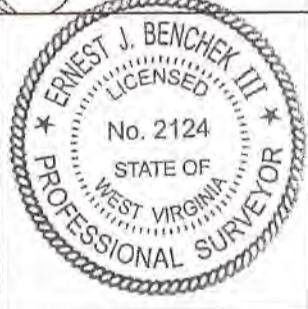
WATERSHED: DUNKARD CREEK
 COUNTY/DISTRICT: MONONGALIA / CLAY
 SURFACE OWNER: BRYAN & SIERRA VANNORMAN
 OIL & GAS ROYALTY OWNER: MARK V EDDY
 LEASE NUMBERS: _____

PROPOSED ELEVATION: 1,521.9'
 QUADRANGLE: OSAGE
 ACREAGE: 27.74 +/-
 ACREAGE: 1,211.243 +/-

DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF FORMATION PERFORATE NEW FORMATION PLUG & ABANDON
 CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY): _____
 TARGET FORMATION: MARCELLUS
 WELL OPERATOR: NORTHEAST NATURAL ENERGY LLC
 ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200
 CITY: CHARLESTON STATE: WV ZIP CODE: 25301
 ESTIMATED DEPTH: TVD: 8,074' TMD: 25,140.82'
 DESIGNATED AGENT: JOHN ADAMS
 ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200
 CITY: CHARLESTON STATE: WV ZIP CODE: 25301

PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

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



DATE: AUGUST 30, 2022
 OPERATOR'S WELL #: DOLLS RUN 1H
 API WELL #: 47 61 01914 H6A
 STATE COUNTY PERMIT

RLG 9-14-22

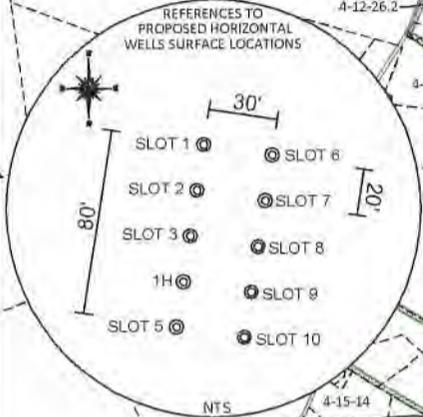
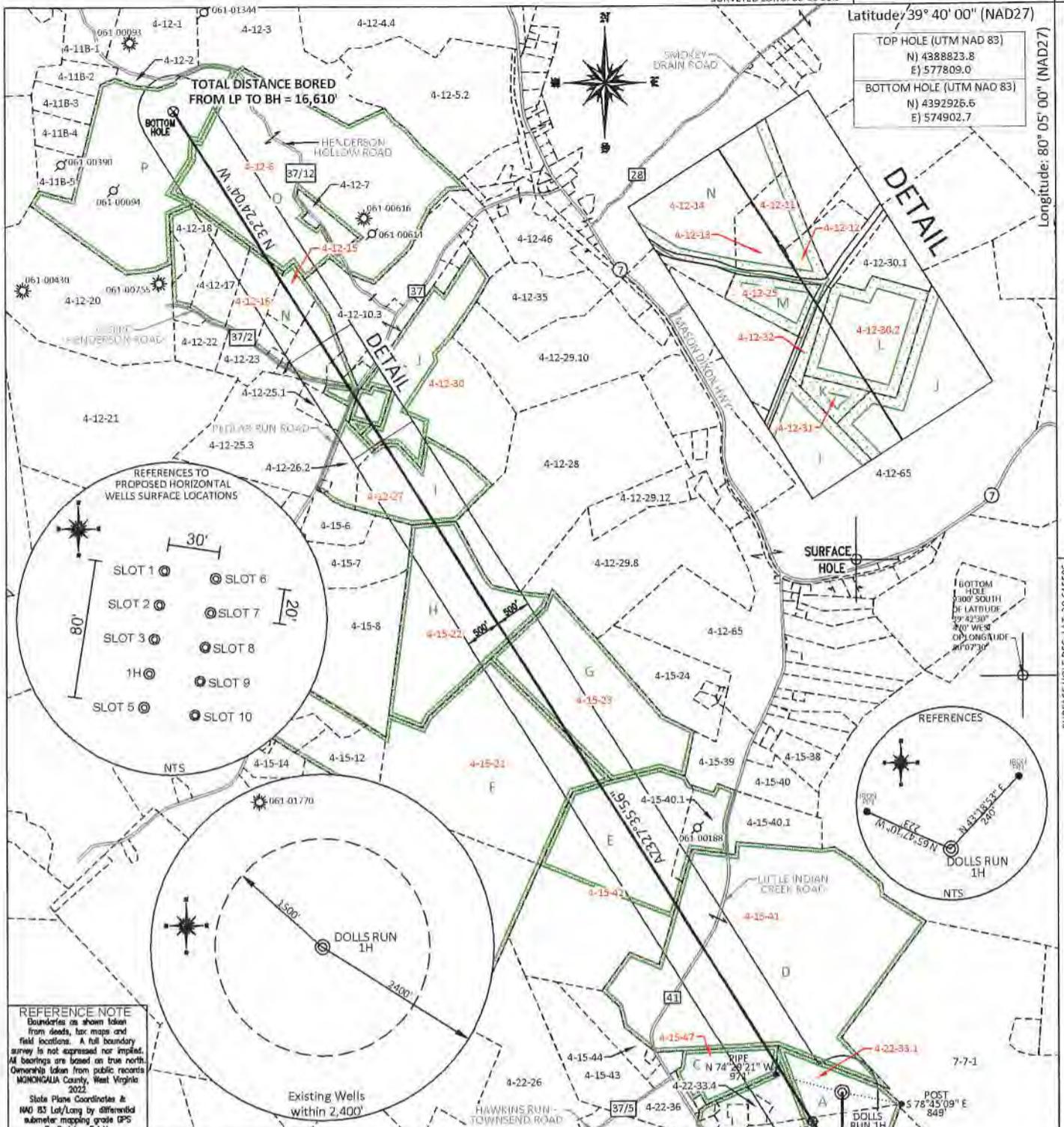
SURFACE HOLE DEC. LONG: 80,093343
SURVEYED LONG: 80°05'36.0"

Latitude: 39° 40' 00" (NAD27)

Longitude: 80° 05' 00" (NAD27)

TOP HOLE (UTM NAD 83)
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E) 577809.0

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State Plane Coordinates & NAD 83 Lat/Long by differential submeter mapping grade GPS Drafted by E.A.M.

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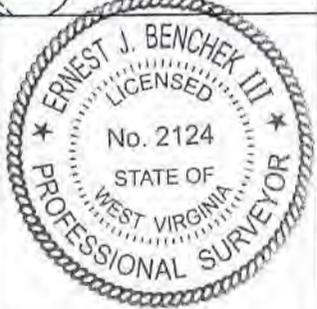
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OIL & GAS ROYALTY OWNER: MARK V EDDY
LEASE NUMBERS:

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



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4-15-23	STATE OF WEST VIRGINIA BUREAU OF COMMERCE
4-12-27	ROBERT I. JONES
4-12-30	ROBERT C. WALLS FAMILY TRUST
4-12-31	ROBERT C. & DIANA WALLS
4-12-30.2	ROBERT C. WALLS
4-12-32	ROBERT C. & DIANA WALLS
4-12-25	JOY HENDERSON & KIMBERLY SCHNAPP
4-12-12	VICTORIO & PERLA C. CARREON
4-12-13	JOHANNA LEA MULL
4-12-11	JOHANNA LEA MULL
4-12-14	EDWARD F. & CATHY W. JERNELL
4-12-15	JOSHUA MICHAEL SANDONE
4-12-16	HARRY L. CHAMBERS
4-12-6	ALPHEUS MICHAEL HENDERSON

LEASE INDEX			
A	WV-061-004020-000	I	WV-061-005963-003
B	WV-061-004020-000	J	WV-061-002357-000
C	WV-061-005830-001	K	WV-061-006010-001
D	WV-061-005246-002	L	WV-061-005516-002
E	WV-061-004237-001	M	WV-061-003963-001
F	WV-061-004240-001	N	WV-061-003475-015
G	WV-061-001575-014	O	WV-061-004058-000
H	WV-061-004255-001	P	WV-061-004058-000

FILE #: NEE14

DRAWING #: 3082

SCALE: N/A

DATE: AUGUST 30, 2022

OPERATOR'S WELL #: DOLLS RUN 1H

API WELL #: 47 61 01914 H&A
STATE COUNTY PERMIT

PROPERTY OWNER INDEX	
4-22-33.1	BRYAN & SIERRA VANNORMAN
4-22-33.6	DANIEL D. & MARTHA P. SPERANDIO
4-15-47	MARVIN E. MORRIS
4-15-41	DONNA N. & ROBERT ALLEN WRIGHT
4-15-42	STATE OF WEST VIRGINIA BUREAU OF COMMERCE
4-15-21	STATE OF WEST VIRGINIA BUREAU OF COMMERCE
4-15-22	MARK V. & BETTY A. EDDY
4-15-23	STATE OF WEST VIRGINIA BUREAU OF COMMERCE
4-12-27	ROBERT I. JONES
4-12-30	ROBERT C. WALLS FAMILY TRUST
4-12-31	ROBERT C. & DIANA WALLS
4-12-30.2	ROBERT C. WALLS
4-12-32	ROBERT C. & DIANA WALLS
4-12-25	JOY HENDERSON & KIMBERLY SCHNAPP
4-12-12	VICTORIO & PERLA C. CARREON
4-12-13	JOHANNA LEA MULL
4-12-11	JOHANNA LEA MULL
4-12-14	EDWARD F. & CATHY W. JERNELL
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LEASE INDEX			
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B	WV-061-004020-000	J	WV-061-002357-000
C	WV-061-005830-001	K	WV-061-006010-001
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E	WV-061-004237-001	M	WV-061-003963-001
F	WV-061-004240-001	N	WV-061-003475-015
G	WV-061-001575-014	O	WV-061-004058-000
H	WV-061-004255-001	P	WV-061-004058-000

FILE #: NEE14

DRAWING #: 3082

SCALE: N/A

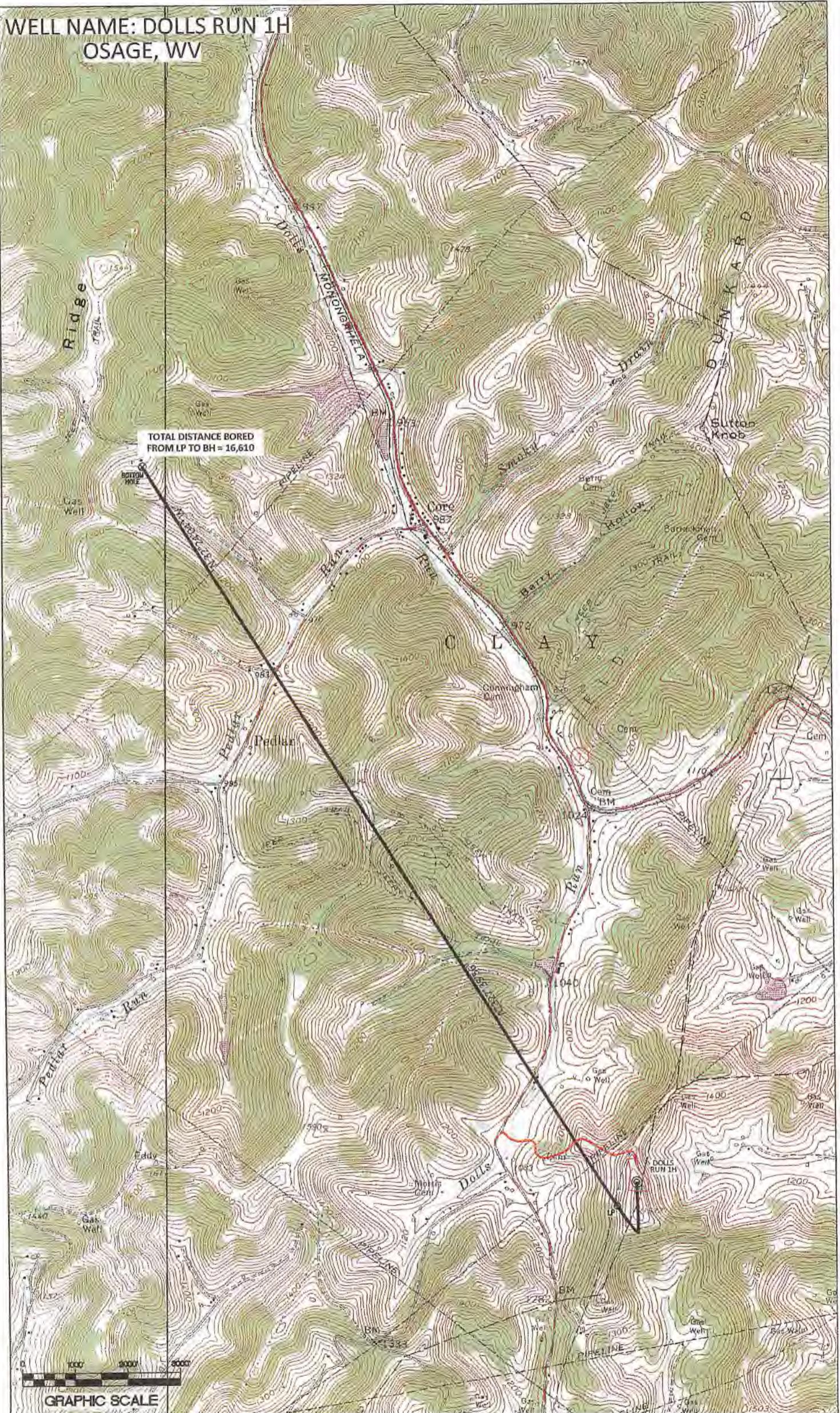
DATE: AUGUST 30, 2022

OPERATOR'S WELL #: DOLLS RUN 1H

API WELL #: 47 61 01914 N/A
STATE COUNTY PERMIT

WELL NAME: DOLLS RUN 1H
OSAGE, WV

TOTAL DISTANCE BORED
FROM LP TO BH = 16,610



**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
----------------------	-----------------------	-----------------------	---------	-----------

See Attached

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Office of Oil and Gas

SEP 19 2022

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

4706101914

WW6A-1

Operators Well No. Dolls Run 1H

Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page	
A	WV-061-004020-000	Mark V. Eddy	Northeast Natural Energy, LLC	12.5% Royalty or More	1505	572	
	WV-061-002154-006	Donald Ayersman	Northeast Natural Energy, LLC	12.5% Royalty or More	1786	413	
	WV-061-002154-008	Raymond D. Williams	Northeast Natural Energy, LLC	12.5% Royalty or More	1786	650	
	WV-061-002154-005	Deloris Hoey	Northeast Natural Energy, LLC	12.5% Royalty or More	1786	411	
B	WV-061-004020-000	Mark V. Eddy	Northeast Natural Energy, LLC	12.5% Royalty or More	1505	572	
C	WV-061-005830-001	Marvin E. Morris, a/k/a Marvin Morris, a/k/a Marvin Earl Morris	Northeast Natural Energy, LLC	12.5% Royalty or More	1766	204	
	WV-061-005831-001	Milford R. Morris, a/k/a Milford Morris	Northeast Natural Energy, LLC	12.5% Royalty or More	1764	299	
	WV-061-005938-001	Scott Adam Wade	Northeast Natural Energy, LLC	12.5% Royalty or More	1778	762	
	WV-061-005938-002	Michael Paul Wade	Northeast Natural Energy, LLC	12.5% Royalty or More	1778	764	
	WV-061-005911-009	Charlotte Jawhar	Northeast Natural Energy, LLC	12.5% Royalty or More	1781	539	
	WV-061-005911-003	Mary Margaret Vincent	Northeast Natural Energy, LLC	12.5% Royalty or More	1772	436	
	WV-061-005911-002	Carolyn Ann McBee	Northeast Natural Energy, LLC	12.5% Royalty or More	1772	434	
	WV-061-005911-001	Constance Sue Rush	Northeast Natural Energy, LLC	12.5% Royalty or More	1772	432	
	D	WV-061-005246-002	Beverly J. Core	Northeast Natural Energy, LLC	12.5% Royalty or More	1642	145
	E	WV-061-004237-001	Howard Keener, Administrator C.T.A of the Estate of Luverna Belle Wildman	Washington Oil Company	12.5% Royalty or More	417	144
		Washington Oil Company	Northern United Petroleum Company	12.5% Royalty or More	9	148	
		Northern United Petroleum Company	United Petroleum Corporation	12.5% Royalty or More	9	217	
		United Petroleum Corporation	Chill Can International, Ltd.	12.5% Royalty or More	9	329	
		Chill Can International, Ltd.	Jerome Klubeck	12.5% Royalty or More	9	677	
		Jerome Klubeck	N-K, LLC	12.5% Royalty or More	65	373	
WV-061-004237-001		N-K, LLC	Northeast Natural Energy, LLC	12.5% Royalty or More	130	840	
F		WV-061-004240-001	David Meyers	E.M. Hukill and George P. Hukill d/b/a	12.5% Royalty or More	22	17
	E.M. Hukill	South Penn Oil Company	12.5% Royalty or More	34	176		
	Myers Family (et al) and South Penn Oil Company	Marion Oil Company	12.5% Royalty or More	92	114		
	Marion Oil Company	Washington Oil Company	12.5% Royalty or More	219	115		
	Washington Oil Company	Northern United Petroleum Company	12.5% Royalty or More	9	148		
	Northern United Petroleum Company	United Petroleum Corporation	12.5% Royalty or More	9	217		
	United Petroleum Corporation	Northern United Petroleum Company	12.5% Royalty or More	9	177		
	Northern United Petroleum Company	United Petroleum Corporation	12.5% Royalty or More	9	282		
	United Petroleum Corporation	Chill Can International, Ltd.	12.5% Royalty or More	9	329		
	Chill Can International, Ltd.	Jerome Klubeck	12.5% Royalty or More	9	677		
	Jerome Klubeck	N-K, LLC	12.5% Royalty or More	65	373		
WV-061-004240-001	N-K, LLC	Northeast Natural Energy, LLC	12.5% Royalty or More	130	840		
G	WV-061-001575-014	John M. Maxon	Northeast Natural Energy, LLC	12.5% Royalty or More	1684	63	
	WV-061-001575-008	Charles E. Maxon, Jr.	Northeast Natural Energy, LLC	12.5% Royalty or More	1678	341	
	WV-061-001575-010	Robert William Dow	Northeast Natural Energy, LLC	12.5% Royalty or More	1678	387	
	WV-061-001575-010	Christine Louise Dow Hutt	Northeast Natural Energy, LLC	12.5% Royalty or More	1678	387	
	WV-061-001575-011	James T. Maxon	Northeast Natural Energy, LLC	12.5% Royalty or More	1678	345	
	WV-061-001575-012	Anna M. Crandall	Northeast Natural Energy, LLC	12.5% Royalty or More	1678	347	
	WV-061-001575-013	Joseph A. Maxon, Jr.	Northeast Natural Energy, LLC	12.5% Royalty or More	1678	349	
	WV-061-001575-009	Tamela L. Edwards	Northeast Natural Energy, LLC	12.5% Royalty or More	1678	343	
	WV-061-001575-015	Raymond D. Williams	Northeast Natural Energy, LLC	12.5% Royalty or More	1687	497	
H	WV-061-004255-001	Patricia Ellen Delaney McCullough	Northeast Natural Energy, LLC	12.5% Royalty or More	1622	543	
I	WV-061-005963-003	Janet Rochelle Kerr	Northeast Natural Energy, LLC	12.5% Royalty or More	1781	577	

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 WV Department of
 Environmental Protection

Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
	WV-061-005963-006	Michael Alan Core	Northeast Natural Energy, LLC	12.5% Royalty or More	1786	442
	WV-061-005963-005	David Lee Liming	Northeast Natural Energy, LLC	12.5% Royalty or More	1782	791
	WV-061-005963-007	Gwynne Marsteller	Northeast Natural Energy, LLC	12.5% Royalty or More	1786	633
	WV-061-005963-004	Edna Jane Tennant	Northeast Natural Energy, LLC	12.5% Royalty or More	1782	308
J	WV-061-002357-000	Robert Clair Walls Family Trust	Northeast Natural Energy, LLC	12.5% Royalty or More	1629	110
K	WV-061-006010-001	Robert C. Walls and Diana Walls	Northeast Natural Energy, LLC	12.5% Royalty or More	1785	24
L	WV-061-005516-002	Robert Clair Walls	Northeast Natural Energy, LLC	12.5% Royalty or More	1680	654
M	WV-061-003963-001	Joy Henderson and Kimberly Schnapp	Northeast Natural Energy, LLC	12.5% Royalty or More	1785	22
N	WV-061-003475-015	WV Minerals, Inc.	Northeast Natural Energy, LLC	12.5% Royalty or More	1573	50
O	WV-061-004058-000	William H. Henderson and Linda J. Henderson	Northeast Natural Energy, LLC	12.5% Royalty or More	1599	89
P	WV-061-004058-000	Larry W. Henderson	Northeast Natural Energy, LLC	12.5% Royalty or More	1599	87

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WV Department of
Environmental Protection

4706101914



September 8, 2022

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

RE: Dolls Run North

Dear Permit Reviewer:

Please be advised that Northeast Natural Energy LLC has the right to drill, extract and produce the minerals beneath Little Indian Creek Rd/Route 41, Pedlar Run Rd/Route 37, and Cicero Henderson Rd/Route 37/2 as identified on the included plat.

Sincerely,

A handwritten signature in black ink, appearing to read 'C. Dornetto', written over a horizontal line.

Charles Dornetto
Manager Land Acquisitions

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Office of Oil and Gas

SEP 19 2022

WV Department of
Environmental Protection

Northeast Natural Energy LLC · 707 Virginia Street East, Suite
1200 · Charleston, WV 25301

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

Date of Notice Certification: 09/08/2022

API No. 47- _____ - _____
Operator's Well No. 1H
Well Pad Name: Dolls Run

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>577809.0</u>
County:	<u>Monongalia</u>		Northing:	<u>4388823.8</u>
District:	<u>Clay</u>	Public Road Access:	<u>Little Indian Creek Rd/ SR 41</u>	
Quadrangle:	<u>Osage</u>	Generally used farm name:	<u>Dolls Run</u>	
Watershed:	<u>Dunkard Creek</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.

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: *PLEASE CHECK ALL THAT APPLY <input type="checkbox"/> 1. NOTICE OF SEISMIC ACTIVITY or <input checked="" type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED <input checked="" type="checkbox"/> 2. NOTICE OF ENTRY FOR PLAT SURVEY or <input type="checkbox"/> NO PLAT SURVEY WAS CONDUCTED <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 <input type="checkbox"/> WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH) <input checked="" type="checkbox"/> 4. NOTICE OF PLANNED OPERATION <input checked="" type="checkbox"/> 5. PUBLIC NOTICE <input checked="" type="checkbox"/> 6. NOTICE OF APPLICATION		RECEIVED Office of Oil and Gas SEP 19 2022 WV Department of Environmental Protection	OOG OFFICE USE ONLY <input type="checkbox"/> RECEIVED/ NOT REQUIRED <input checked="" type="checkbox"/> RECEIVED <input checked="" type="checkbox"/> RECEIVED/ NOT REQUIRED <input checked="" type="checkbox"/> RECEIVED <input checked="" type="checkbox"/> RECEIVED <input checked="" type="checkbox"/> RECEIVED
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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.

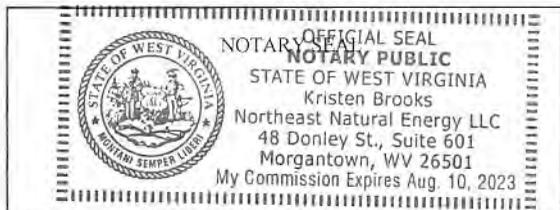
Certification of Notice is hereby given:

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: _____



Subscribed and sworn before me this 8th day of September, 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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Office of Oil and Gas
SEP 19 2022
WV Department of
Environmental Protection

4706101914

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.

RECEIVED
Office of Oil and Gas

Date of Notice: 9/2/22 Date Permit Application Filed: 9/12/22

OCT 06 2022

Notice of:

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

WV Department of Environmental Protection

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: Bryan D VanNorman & Siera Jordan VanNorman
Address: 2468 Little Indian Creek Road
Core, WV 26541

COAL OWNER OR LESSEE
Name: Consolidation Coal Company
Address: 46226 National Road
St. Clairsville, OH 43952

Name: _____
Address: _____

COAL OPERATOR
Name: _____
Address: _____

SURFACE OWNER(s) (Road and/or Other Disturbance)
Name: Donna N Wright & Robert Allen
Address: 2714 Little Indian Creek Road
Core, WV 26541
Name: Marvin E. Morris
Address: 2500 Little Indian Creek Road
Core, WV 26541

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

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

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

*Please attach additional forms if necessary

4706101914

OCT 06 2022

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 well 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 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

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

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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.**

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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WW-6A
(8-13)

4706101914
API NO. 47-
OPERATOR WELL NO. 1H
Well Pad Name: Dolls Run

Notice is hereby given by:

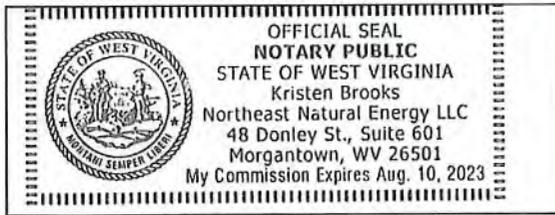
Well Operator: Northeast Natural Energy LLC
Telephone: 304-414-7060
Email: _____

Address: 707 Virginia St. E., Suite 1200
Charleston, WV 25301
Facsimile: _____

Oil and Gas Privacy Notice:

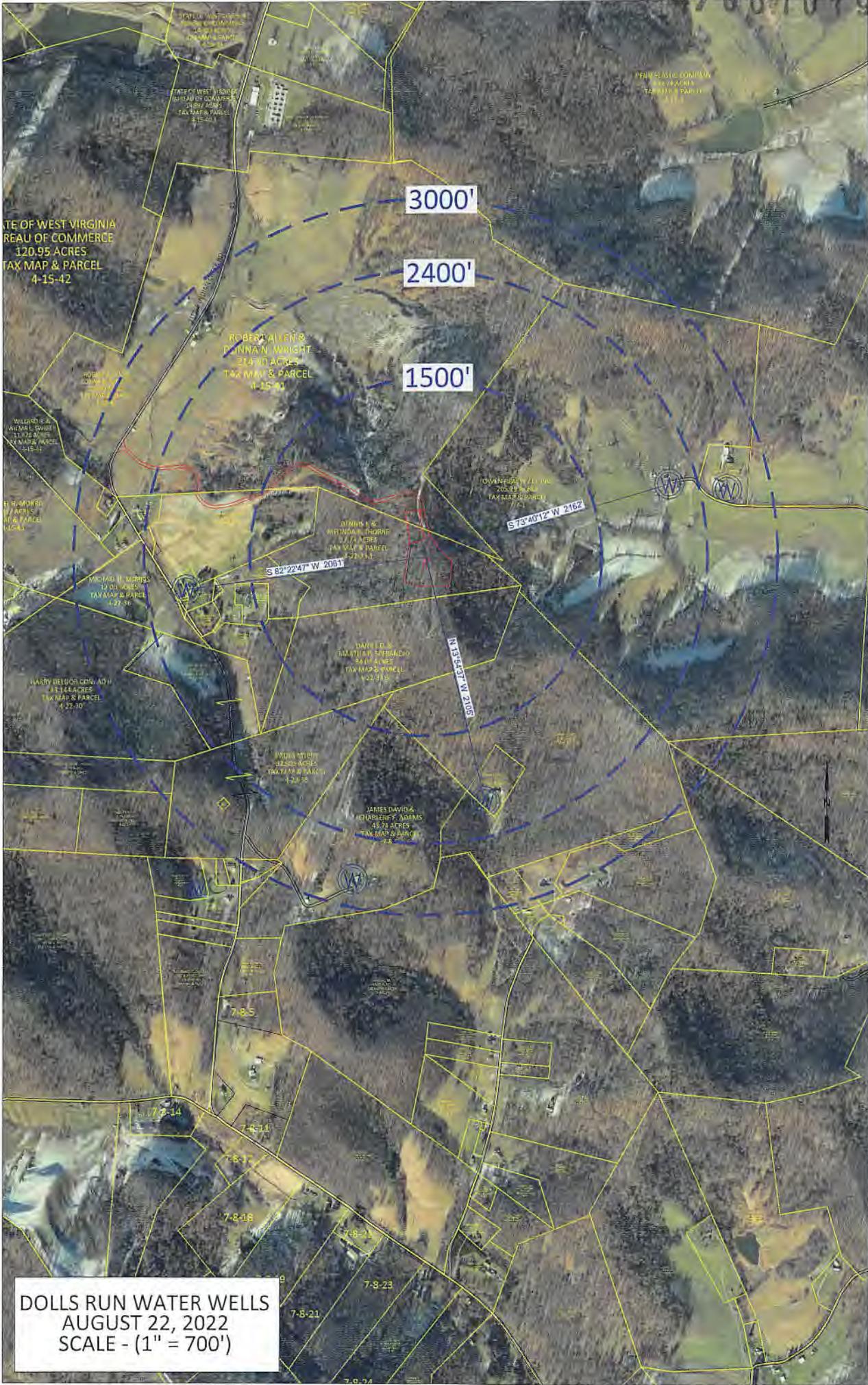
The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory 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: mmed



Subscribed and sworn before me this 2nd day of Sept., 2022.
Kristen Brooks Notary Public
My Commission Expires Aug. 10, 2023

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Environmental Protection



DOLLE RUN WATER WELLS
AUGUST 22, 2022
SCALE - (1" = 700')

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 9 2022
 Department of
 Natural Protection

4706101914

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: 1/11/2022 **Date of Planned Entry:** 1/18/2022

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: Bryan Van Norman and Sierra Van Norman

Address: 2468 Little Indian Creek Rd.
Core, WV 26541

Name: _____

Address: _____

Name: _____

Address: _____

COAL OWNER OR LESSEE

Name: _____

Address: _____

MINERAL OWNER(s)

Name: _____

Address: _____

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OCT 06 2022
WV Department of
Environmental Protection

*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>39.6448, -80.093115</u>
County: <u>Monongalia</u>	Public Road Access: <u>Little Indian Creek Rd/SR 41</u>
District: <u>Clay</u>	Watershed: <u>Dunkard Creek</u>
Quadrangle: <u>Osage</u>	Generally used farm name: <u>Dolls Run</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: Northeast Natural Energy LLC

Telephone: 304-414-7060

Email: _____

Address: _____
707 Virginia St. E., Suite 1200 Charleston, WV 25301

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 or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

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: 1/11/2022 **Date of Planned Entry:** 1/18/2022

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: Daniel Sperandio and Martha P. Sperandio

Address: 2484 Little Indian Creek Rd.
Core, WV 26541

Name: _____

Address: _____

Name: _____

Address: _____

COAL OWNER OR LESSEE

Name: _____

Address: _____

MINERAL OWNER(s)

Name: _____

Address: _____

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SEP 19 2022
WV Department of
Environmental Protection

*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>39.6448, -80.093115</u>
County: <u>Monongalia</u>	Public Road Access: <u>Little Indian Creek Rd/SR 41</u>
District: <u>Clay</u>	Watershed: <u>Dunkard Creek</u>
Quadrangle: <u>Osage</u>	Generally used farm name: <u>Dolls Run</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>

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.

4706101914

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: 1/11/2022 **Date of Planned Entry:** 1/18/2022

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: Marvin E. Morris
Address: 2500 Little Indian Creek Rd.
Morgantown, WV 26501

Name: _____
Address: _____

Name: _____
Address: _____

COAL OWNER OR LESSEE

Name: _____
Address: _____

MINERAL OWNER(s)

Name: _____
Address: _____

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WV Department of
Environmental Protection

*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: Osage

Approx. Latitude & Longitude: 39.6448, -80.093115
Public Road Access: Little Indian Creek Rd/SR 41
Watershed: Dunkard Creek
Generally used farm name: Dolls Run

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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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: 1/11/2022 **Date of Planned Entry:** 1/18/2022

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: Robert Allen Wright and Donna N Wright

Address: 2714 Little Indian Creek Rd
Core, WV 26541

Name: _____

Address: _____

Name: _____

Address: _____

COAL OWNER OR LESSEE

Name: _____

Address: _____

MINERAL OWNER(s)

Name: _____

Address: _____

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Office of Oil and Gas
SEP 19 2022
WV Department of
Environmental Protection

*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>39.6448, -80.093115</u>
County: <u>Monongalia</u>	Public Road Access: <u>Little Indian Creek Rd/SR 41</u>
District: <u>Clay</u>	Watershed: <u>Dunkard Creek</u>
Quadrangle: <u>Osage</u>	Generally used farm name: <u>Dolls Run</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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4706101914

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: 09/02/2022 **Date Permit Application Filed:** 09/12/2022

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Environmental Protection

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: Bryan D Van Norman & Siera Jordan Van Norman
Address: 2468 Little Indian Creek Road
Core, WV 26541

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: <u>West Virginia</u>	UTM NAD 83	Eastings: <u>577809.0</u>
County: <u>Monongalia</u>		Northings: <u>4388823.8</u>
District: <u>Clay</u>	Public Road Access: <u>Little Indian Creek Rd/SR 41</u>	
Quadrangle: <u>Osage</u>	Generally used farm name: <u>Dolls Run</u>	
Watershed: <u>Dunkard Creek</u>		

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: _____
Facsimile: _____

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: _____

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.

4706101914

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: 09/02/2022 **Date Permit Application Filed:** 09/12/2022

RECEIVED
Office of Oil and Gas

OCT 06 2022

WV Department of
Environmental Protection

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: Bryan D Van Norman & Siera Jordan Van Norman
Address: 2468 Little Indian Creek Road
Core, WV 26541

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: West Virginia UTM NAD 83 Easting: 577809.0
County: Monongalia Northing: 4388823.8
District: Clay Public Road Access: Little Indian Creek Rd/SR 41
Quadrangle: Osage Generally used farm name: Dolls Run
Watershed: Dunkard Creek

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: 304-414-7061
Email: hmedley@nne-llc.com

Address: 48 Donley St., Suite 601
Morgantown, WV 26501
Facsimile: _____

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.



4706101914

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

September 7, 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 Dolls Run Pad, Monongalia County
Dolls Run 1H Well Site

RECEIVED
Office of Oil and Gas
SEP 19 2022
WV Department of
Environmental Protection

Dear Mr. Martin,

This well site will be accessed from a DOH permit #04-2022-0611 which has been issued to Northeast Natural Energy for access to the State Road for a well site located off Monongalia County Route 41 SLS MP 3.73.

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

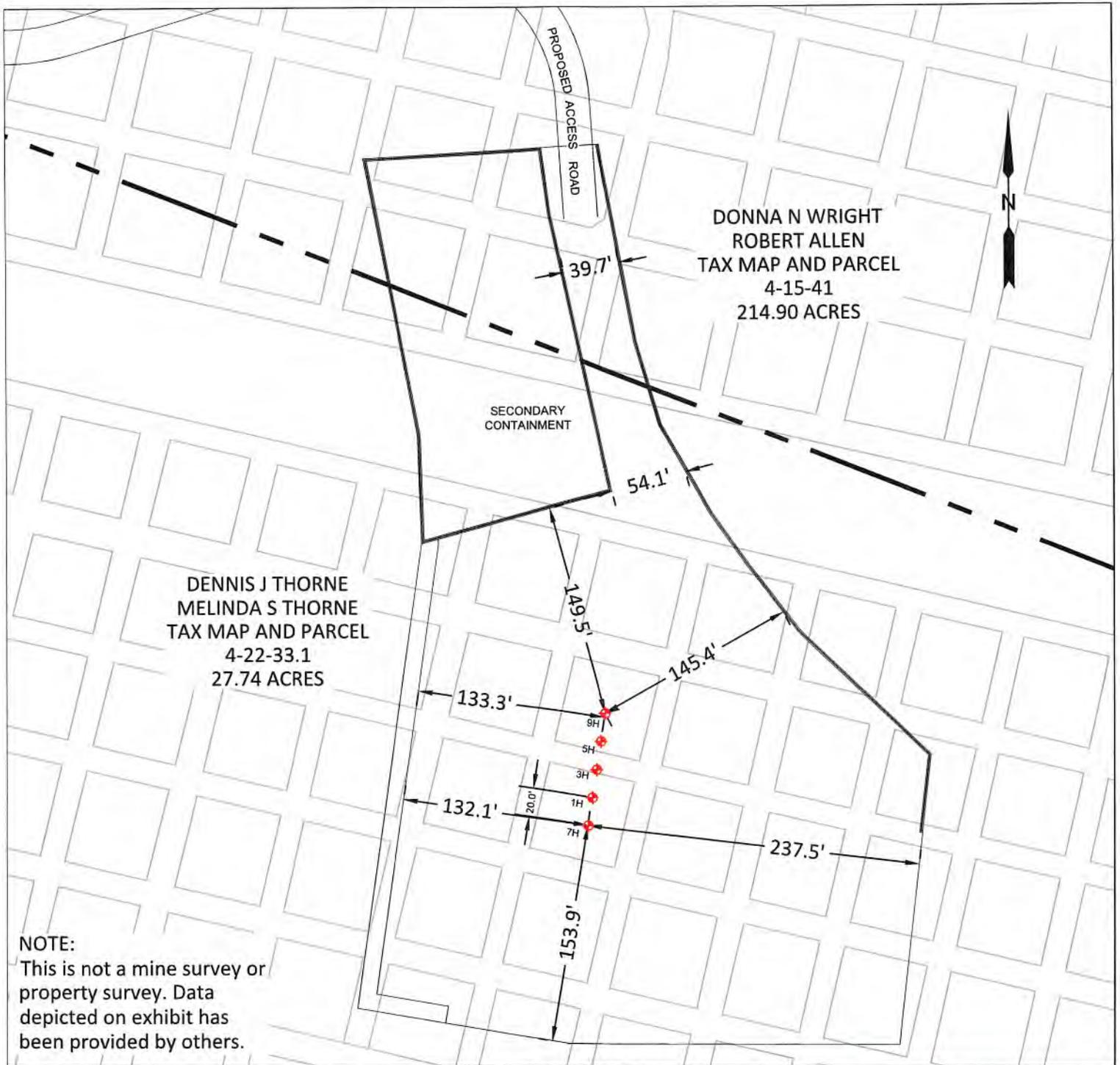
Cc: Hollie Medley
Northeast Natural Energy
CH, OM, D-4
File

Planned Additives To Be Used In Fracturing Stimulations

Trade Name	Purpose	Ingredients	Cemical Abstract Service Numner (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
CI-14	Corrosion Inhibitor	Fatty Acids Methanol Olefin Polyozyalkylenes 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 Crontrol	Citric Acid	77-92-9
Sand, White, 40/70	Proppant	Cystalline Silica (Quartz)	14808-60-7
Sand, White, 100 mesh	Proppant	Cystalline Silica (Quartz)	14808-60-7
Scaletrol 720	Scale Inhibitor	Diethylene Glycol	111-46-6

RECEIVED
 Office of Oil and Gas
SEP 19 2022
 WV Department of
 Environmental Protection

4706101914



SCALE BAR: 1"=100'

0' 100' 200' 300'



PREPARED FOR
NORTHEAST NATURAL ENERGY LLC
DOLLS RUN WELL SITE
CLAY DISTRICT, MONONGALIA COUNTY, WV

PREPARED BY
BOORD BENCHEK & ASSOC., INC.
ENGINEERING, SURVEYING, CONSTRUCTION AND
MINING SERVICES
SOUTHPOINTE, PA 15317 PHONE: 724-746-1055
DATE: 10-5-2022

COAL EXHIBIT

LEGEND



=PROPOSED WELL

WEST VIRGINIA 811

TWO WORKING DAYS PRIOR TO EXCAVATION, THE CONTRACTOR MUST CONTACT THE WV ONE CALL SYSTEM, INC., 1-800-245-4848 (WV ONE CALL TICKET 2202168024)

OWNER



northeast
NATURAL ENERGY

NORTHEAST NATURAL ENERGY LLC
707 VIRGINIA STREET EAST, SUITE1200,
CHARLESTON, WV 25301

DOLLS RUN WELL PAD CLAY & GRANT DISTRICT, MONONGALIA COUNTY, WV JULY 2022

PLANS PREPARED BY:

BOORD BENCHEK & ASSOC., INC.
ENGINEERING, SURVEYING, CONSTRUCTION AND MINING SERVICES
SOUTHPOINTE, PA 15317 PHONE: 724-746-1055

SHEET INDEX

1. TITLE SHEET
- 2-3. EVACUATION ROUTE/PREVAILING WIND
4. E&S CONTROL LAYOUT OVERVIEW
- 5-7. E&S CONTROL LAYOUT
8. E&S CONTROL AND SITE PLAN OVERVIEW
- 9-11. E&S CONTROL AND SITE PLAN
12. ACCESS ROAD PROFILE
13. WELL PAD CROSS SECTIONS & PROFILE A-A' & B-B'
- 14-17. ACCESS ROAD CROSS-SECTIONS
- 18-21. DETAILS
22. RECLAMATION PLAN OVERVIEW
- 23-25. RECLAMATION PLAN

TOTAL DISTURBED AREA: 27.36 AC.
ACCESS ROAD DISTURBED AREA: 17.35 AC.
WELL PAD DISTURBED AREA: 10.01 AC.

PROPERTY OWNER DISTURBANCE - 27.36 ACRES

MARVIN E MORRIS (TAX MAP AND PARCEL NUMBER 4-15-47) 3.79 AC.
DONNA N WRIGHT (TAX MAP AND PARCEL NUMBER 4-15-41) 14.59 AC.
BRYAN & SIERRA VANNORMAN (TAX MAP AND PARCEL NUMBER 4-22-33.1) 8.98 AC.



ANDREW BENCHEK
P.E.



APPROVED
WVDEP OOG
11/4/2022

COORDINATES

SITE ENTRANCE (NAD 83)
LAT: 39° 38' 54.14"
LONG: 80° 06' 08.42"
(NAD 27)
LAT: 39° 38' 53.85"
LONG: 80° 06' 09.17"

CENTER OF WELL PAD (NAD 83)
LAT: 39° 38' 45.56"
LONG: 80° 05' 34.93"
(NAD 27)
LAT: 39° 38' 45.27"
LONG: 80° 05' 35.68"



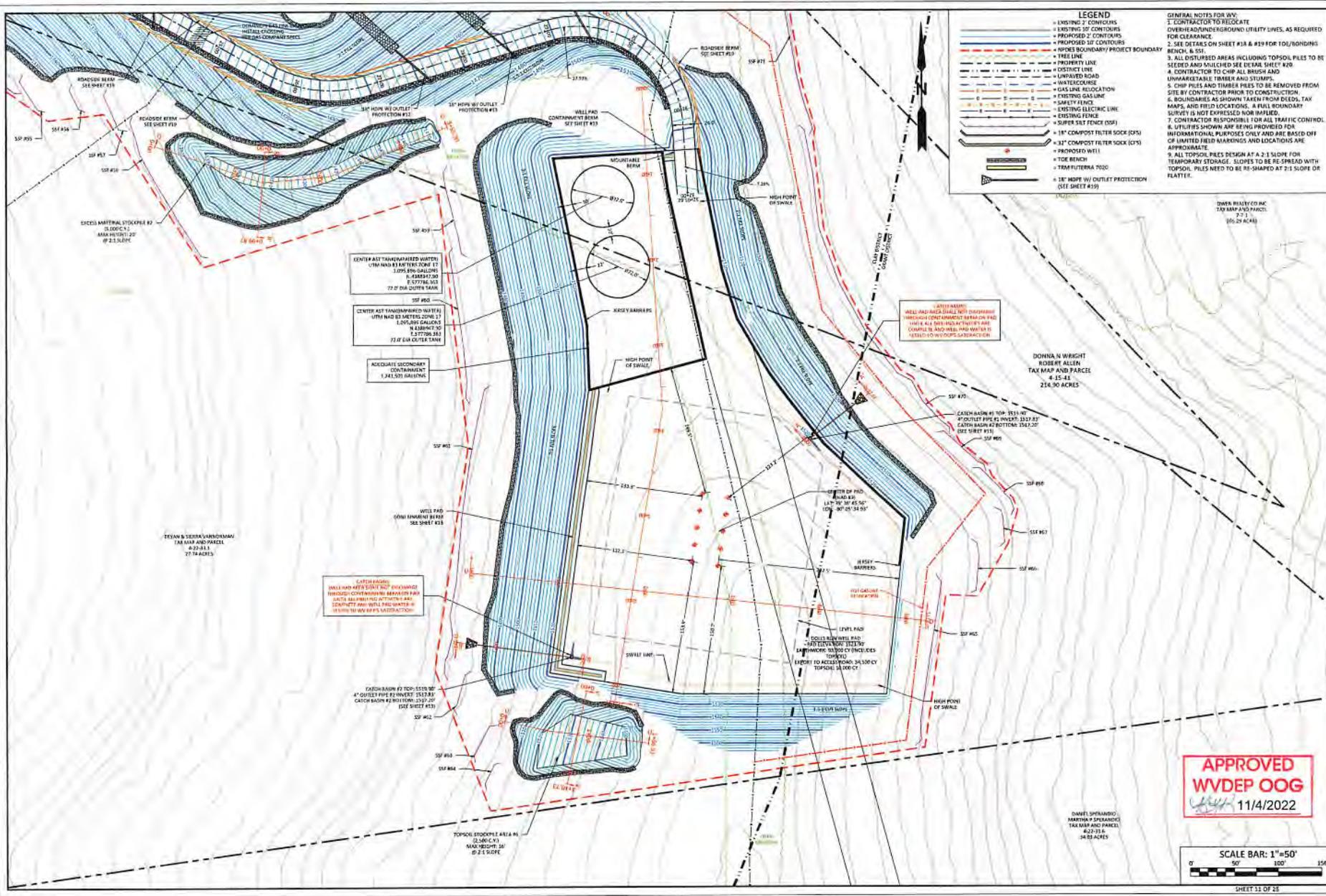
IN ACCORDANCE WITH WV 35 CSR 8 THE FOLLOWING EROSION & SEDIMENT CONTROL PLAN HAS BEEN DESIGNED IN ACCORDANCE WITH BEST MANAGEMENT PRACTICES ESTABLISHED BY THE CHIEF AND PROVIDED IN THE OFFICE'S EROSION AND SEDIMENT CONTROL FIELD MANUAL. A GENERAL CONSTRUCTION SEQUENCE, DESCRIPTION OF STABILIZATION METHODS, AND DETAILS & SPECIFICATIONS FOR EROSION & SEDIMENT BEST MANAGEMENT PRACTICES HAVE BEEN INCLUDED IN THE PROVIDED DETAIL SHEETS.

REVISIONS	
NO.	DESCRIPTION

TITLE SHEET
DOLLS RUN WELL PAD
CLAY & GRANT DISTRICT, MONONGALIA COUNTY, WV

SHEET
1
OF
25





- LEGEND**
- EXISTING 2" CONTOURS
 - EXISTING 10' CONTOURS
 - PROPOSED 2" CONTOURS
 - PROPOSED 10' CONTOURS
 - W/DEE BOUNDARY PROJECT BOUNDARY
 - TREE LINE
 - PROPERTY LINE
 - DISTRICT LINE
 - UNPAVED ROAD
 - WATER COURSE
 - GAS LINE RELOCATION
 - EXISTING GAS LINE
 - SAFETY FENCE
 - EXISTING ELECTRIC LINE
 - EXISTING FENCE
 - SUPER SILT FENCE (SSF)
 - 18" COMPOST FILTER SOCK (CFS)
 - 32" COMPOST FILTER SOCK (CFS)
 - PROPOSED WELL
 - TIDE BENCH
 - TRAM FILTERA 7020
 - 18" HDPE W/ OUTLET PROTECTION (SEE SHEET #19)

- GENERAL NOTES FOR W/:**
1. CONTRACTOR TO RELOCATE OVERHEAD/UNDERGROUND UTILITY LINES, AS REQUIRED FOR CLEARANCE.
 2. SEE DETAILS ON SHEET #18 & #19 FOR TOL/BONDING RINDL & SSI.
 3. ALL DISTURBED AREAS INCLUDING TOPSOIL/BONDING RINDL & SSI.
 4. CONTRACTOR TO CHIP ALL BRUSH AND UNMARKETABLE TIMBER AND STUMPS.
 5. CHIP PILES AND TIMBER PILES TO BE REMOVED FROM SITE BY CONTRACTOR PRIOR TO CONSTRUCTION.
 6. BOUNDARIES AS SHOWN TAKEN FROM DEEDS, TAX MAPS, AND FIELD LOCATIONS. A FULL BOUNDARY SURVEY IS NOT EXPRESSED NOR IMPLIED.
 7. CONTRACTOR RESPONSIBLE FOR ALL TRAFFIC CONTROL.
 8. UTILITIES SHOWN ARE BEING PROVIDED FOR INFORMATIONAL PURPOSES ONLY AND ARE BASED OFF OF LIMITED FIELD MARKINGS AND LOCATIONS ARE APPROXIMATE.
 9. ALL TOPSOIL PILES DESIGN AT A 2:1 SLOPE FOR TEMPORARY STORAGE. SLOPES TO BE SPREAD WITH TOPSOIL. PILES NEED TO BE RE-SHAPED AT 2:1 SLOPE OR FLATTER.

BOORD, BENCHEK and ASSOC., INC.
 Engineering, Surveying, Construction,
 and Mining Services
 Southpointe, PA 15317 Phone: 724-746-1055

E&S CONTROL AND SITE PLAN

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

DATE:
 JULY 2022

DOLLS RUN
 WELL PAD

CLAY & GRANT
 DISTRICT,
 MONONGALIA
 COUNTY, WV

NO.	DATE	DESCRIPTION
1	10/2022	AS PER DEPT COMMENTS ON 5/25/22

APPROVED WVDEP OOG
 11/4/2022

SCALE BAR: 1"=50'

