



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

Austin Caperton, Cabinet Secretary
www.dep.wv.gov

Monday, May 11, 2020
WELL WORK PERMIT
Horizontal 6A / New Drill

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

Re: Permit approval for BUNNER 4H
47-061-01865-00-00

This well work permit is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to any additional specific conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas Inspector.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926- 0450.

James A. Martin
Chief

Operator's Well Number: BUNNER 4H
Farm Name: PATRICIA A. BUNNER
U.S. WELL NUMBER: 47-061-01865-00-00
Horizontal 6A New Drill
Date Issued: 05/11/2020

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.

API Number: _____

PERMIT CONDITIONS

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 Blacksville, WV
Operator ID County District Quadrangle

2) Operator's Well Number: 4H Well Pad Name: Bunner

3) Farm Name/Surface Owner: Patricia A. Bunner Public Road Access: Upper Days Run Rd

4) Elevation, current ground: 1280 Elevation, proposed post-construction: 1277

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

Other _____

(b) If Gas Shallow X Deep _____

Horizontal X

6) Existing Pad: Yes or No No

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Marcellus, 8,024' (GL), 104', 4500 psi

8) Proposed Total Vertical Depth: 8,024'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 24,629'

11) Proposed Horizontal Leg Length: 16,114'

12) Approximate Fresh Water Strata Depths: 80', 1100' (GL)

13) Method to Determine Fresh Water Depths: Drillers Log from Offset Wells

14) Approximate Saltwater Depths: 1500', 2180' (GL)

15) Approximate Coal Seam Depths: 416', 553', 814', 919' (GL)

16) Approximate Depth to Possible Void (coal mine, karst, other): none

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

(a) If Yes, provide Mine Info: Name: _____

Depth: _____

Seam: _____

Owner: _____

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Gayne
Knitowski

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Gayne Knitowski
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Environmental Protection

WW-6B
(04/15)

API NO. 47- _____ - _____
 OPERATOR WELL NO. 4H
 Well Pad Name: Bunner

18) CASING AND TUBING PROGRAM

<u>TYPE</u>	<u>Size (in)</u>	<u>New or Used</u>	<u>Grade</u>	<u>Weight per ft. (lb/ft)</u>	<u>FOOTAGE: For Drilling (ft)</u>	<u>INTERVALS: Left in Well (ft)</u>	<u>CEMENT: Fill-up (Cu. Ft.)/CTS</u>
Conductor	24	New	NA	94.7	40 (GL)	40 ✓	45/GTS
Fresh Water	13-3/8	New	J-55	54.5	1230 (GL)	1200 ✓	884/CTS
Coal							
Intermediate	9-5/8	New	J-55	36	2530 (GL)	2500 ✓	864/CTS
Production	5-1/2	New	P-110	20	24,629 (KB)	24,599 (KB)	3352/TOC @ 2000'
Tubing	2-7/8	New	P-110	6.5	NA	8000	NA
Liners							

<u>TYPE</u>	<u>Size (in)</u>	<u>Wellbore Diameter (in)</u>	<u>Wall Thickness (in)</u>	<u>Burst Pressure (psi)</u>	<u>Anticipated Max. Internal Pressure (psi)</u>	<u>Cement Type</u>	<u>Cement Yield (cu. ft./k)</u>
Conductor	24	28	0.375	NA	NA	Type 1	1.18
Fresh Water	13-3/8	17-1/2	0.380	2730	500	Class A	1.19
Coal							
Intermediate	9-5/8	12-3/8	0.395	3520	2800	Class A	1.19
Production	5-1/2	8-3/4 & 8-1/2	0.361	14,360	11,500 (frac)	50:50 POZ	1.07
Tubing	2-7/8	NA	0.217	13,870	NA	NA	NA
Liners							

PACKERS

Kind:	NA			
Sizes:				
Depths Set:				

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WW-6B
(10/14)

API NO. 47- _____ - _____
OPERATOR WELL NO. 4H _____
Well Pad Name: Bunner _____

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 11,500psi 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): 16.36

22) Area to be disturbed for well pad only, less access road (acres): 6.79

23) Describe centralizer placement for each casing string:

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

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

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

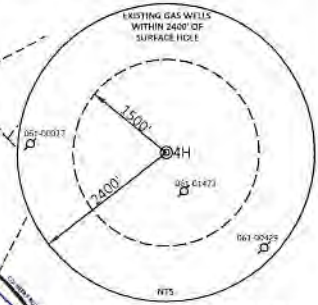
25) Proposed borehole conditioning procedures:

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.

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*Note: Attach additional sheets as needed.

BUNNER 4H EXISTING GAS WELLS MARCH 25, 2020



API # & DISTANCE TO WELL
061-01473 - S 25°00'06" E 681'



SCALE: 1" = 2,000'



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STATE OF OHIO
DIVISION OF OIL AND GAS

TOTAL DISTANCE BORED
FROM LP TO 8H = 16,111.93'

APR 6 2020

OHIO DEPARTMENT OF
Environmental Protection

BUNNER 4H AREA OF REVIEW

API Number	Well Name	Well Number	Operator	Latitude (NAD 83)	Longitude (NAD 83)	TMP	TVD	Comments
061-00429	Karen Sue Sollars	5153	Peoples Gas WV LLC	39.658330	-80.211940	4-17-34.2	NA	Plugged 7/15/19
061-00962	John & Waneda Tennant	M1-85	Consolidation Coal Co.	39.644561	-80.199098	4-20-12	NA	Plugged 6/20/90
061-00898	H & M Hamilton	M1-514	Consolidation Coal Co.	39.643256	-80.198910	4-20-12	NA	Plugged 6/21/89
061-00968	Bonita Toothman	M1-507	Consolidation Coal Co.	39.640211	-80.196658	4-20-58.5	NA	Plugged 2/12/91
061-00163	Jno L Tennant	1	South Penn Oil (S. Penn Nat. Gas)	39.640073	-80.196689	4-20-58.5	2118'	NA
061-00965	Bonita Toothman	M1-503	Consolidation Coal Co.	39.638616	-80.195157	4-20-58.5	NA	Plugged 1/24/91
061-00966	Bonita Toothman	M1-504	Consolidation Coal Co.	39.637021	-80.193094	4-20-58.5	NA	Plugged 7/3/91
061-01862	William F Michael Jr	3H	Northeast Natural Energy LLC	39.625386	-80.183661	4-25-23.2	NA	Not drilled
061-01863	William F Michael Jr	5H	Northeast Natural Energy LLC	39.625335	-80.183635	4-25-23.2	NA	Not drilled
061-01079	Garry L Rush	M1-498	Consolidation Coal Co.	39.634556	-80.191592	4-20-58.6	NA	NA
061-00151	Pratt - Tennant	3	East Resources, Inc	39.634846	-80.193655	4-20-58	NA	Plugged 6/22/10
061-00897	H W & ML Hamilton	M1-513	Consolidation Coal Co.	39.642241	-80.20041	4-20-11	NA	Plugged 5/30/89
061-00975	Jesse Tennant	M1-515	Consolidation Coal Co.	39.644561	-80.201724	4-17-53	NA	Plugged 10/12/90
061-00686	Jesse Tennant	2	Consolidation Coal Co.	39.646736	-80.203976	4-17-53	NA	Plugged 6/4/82
061-01473	Wm & Patricia Bunner	F2-510	Eastern Associated / Peabody Coal Company	39.660801	-80.216572	4-18-32	NA	NA

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NORTHEAST NATURAL ENERGY, LLC

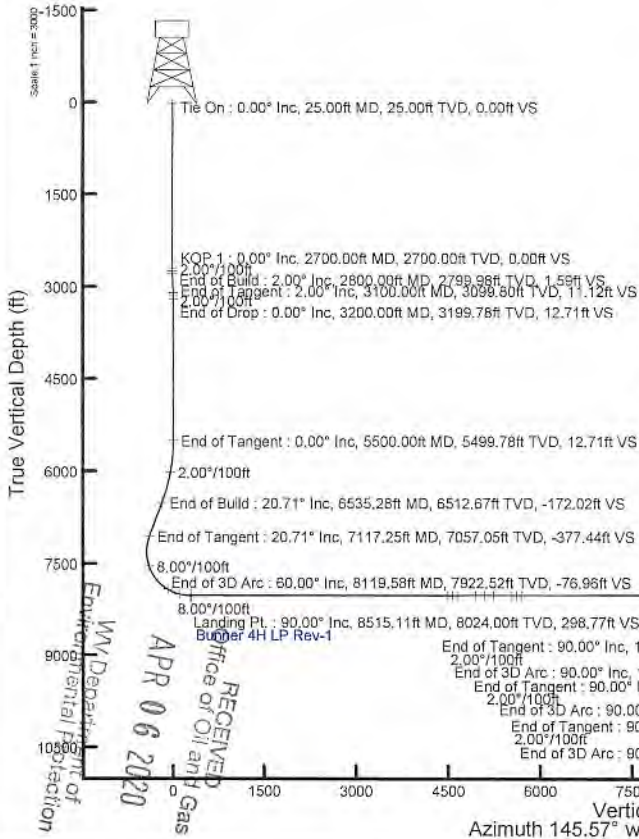
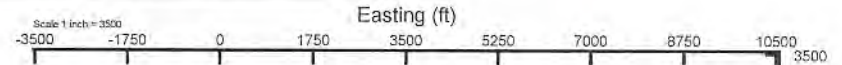
Location: Monongalia County, WV
 Field: Monongalia
 Facility: Bunner Pad

Slot: Slot 4H
 Well: Bunner 4H
 Wellbore: Bunner 4H PWB



Plot reference wellpath is Bunner 4H PWB Ev-01	Grid System: NAD83 / Lambert West Virginia SP, Northern Zone (4701), US feet
True vertical depths are referenced to Patterson 334 (KB)	North Reference: Grid north
Reference wellbore measured depths are referenced to Patterson 334 (KB)	Scale: True distance
Patterson 334 (KB) to Mean Sea Level: 1302 feet	Coordinates are in feet referenced to Slot
Mean Sea Level to Ground level (At Slot: Slot 4H): -1277 feet	Depths are in feet
Offset wellbore MDs are referenced to each path's default MD datum	Created by: hiphop on 2020-03-03, Outbase: WA_MPL_EASTERHUS_Defn

Casing Type	Hole Size	Casing Size	Grade	Weight	Casing Depth (GL)	Drill Depth (GL)
Conductor	28"	24"	N/A	N/A	40'	40'
Surface	17.5"	13.375"	J-55	54.5	1200'	1230'
Intermediate	12.25"	9.675"	J-55	36	2500'	2530'



Formation	Top (GL)	Base (GL)
Tully	7746'	7795'
Hamilton	7795'	7903'
Upper Marcellus	7903'	7983'
Cherry Valley	7983'	7987'
Lower Marcellus	7987'	8012'
Target	7999'	
Onondaga	8012'	

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Gayne Knitowski

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 Gayne Knitowski
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WW-9
(4/16)

API Number 47- _____ - _____
Operator's Well No. Bunner 4H

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) Dunkard Creek Quadrangle Blacksville

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

Will a pit be used? Yes No

If so, please describe anticipated pit waste: NA

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

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- Underground Injection (UIC Permit Number _____)
- Reuse (at API Number unknown at this time, TBD)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain _____)

Will closed loop system be used? If so, describe: Yes, Please See Attachment "A"

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

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

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

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

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

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

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

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

Company Official Signature Hollie Medley

Company Official (Typed Name) Hollie Medley

Company Official Title Regulatory Manager

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Subscribed and sworn before me this 27th day of March 2020, 20

Kristen Brooks

Notary Public

My commission expires Aug. 10, 2023

WV Department of Environmental Protection
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



Form WW-9

Operator's Well No. Bunner 4H

Northeast Natural Energy LLC

Proposed Revegetation Treatment: Acres Disturbed 17.11 Prevegetation pH 5-7

Lime 2 Tons/acre or to correct to pH 7

Fertilizer type 19-19-19

Fertilizer amount 300 lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Orchard Grass	46	Orchard Grass	46
Red Clover	8	Red Clover	8
Tetraploi Perennial Rye 16		Tetraploid Perennial Rye 16	
Timothy 15 Annual Rye 15		Timothy 15 Annual Rye 15	

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, include dimensions (L x W x D) of the pit, and dimensions (L x W), and area in acreage, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Gayne Knitowski Digitally signed by Gayne Knitowski
Date: 2020.04.01 09:33:32 -0400

Comments: _____

Title: Inspector

Date: 4/1/2020

Field Reviewed? Yes No

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Attachment "B"

Section V - Planned Disposal Method

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

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

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

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northeast
NATURAL ENERGY

Bunner 4H
SITE SAFETY PLAN

March 2020

Gayne
Knitowski

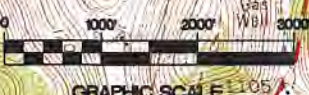
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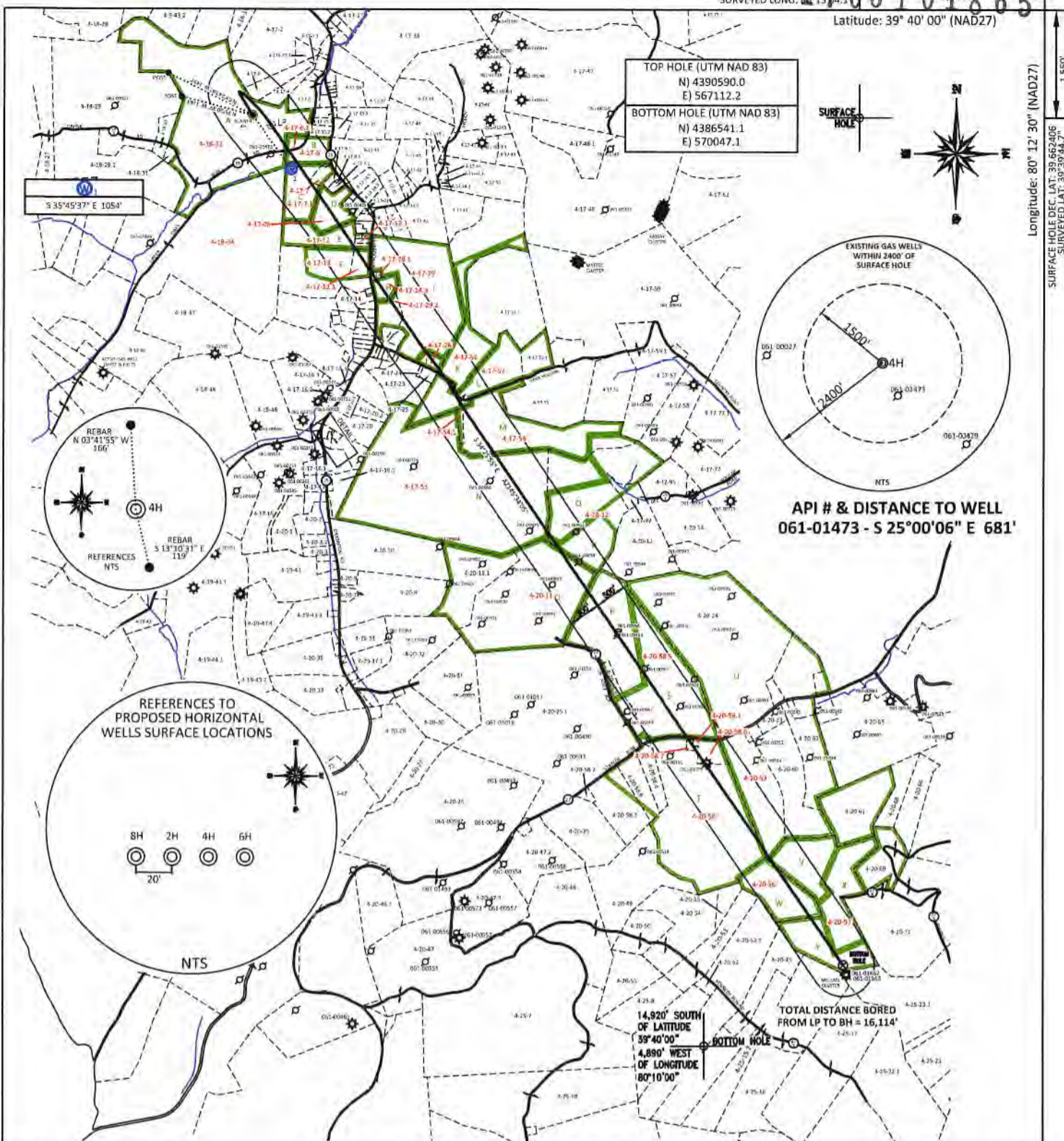
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WELL NAME: BUNNER 4H BLACKSVILLE, WV



TOTAL DISTANCE BORED FROM LP TO BH = 16,114'

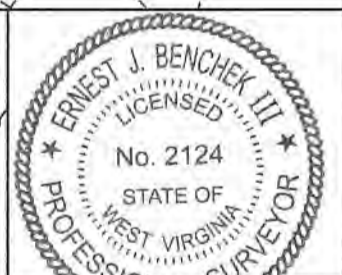




FILE #: NEE14
 DRAWING #: 2949
 SCALE: PLAT: 1" = 2200'
 TICK MARK: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY: 1/200
 PROVEN SOURCE OF ELEVATION: SUBMETER MAPPING GRADE GPS

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

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



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WYDEP
 OFFICE OF OIL & GAS
 601 57TH STREET
 CHARLESTON, WV 25304
 Well Type: Oil Waste Disposal Production Deep
 Gas Liquid Injection Storage Shallow
 WATERSHED: DUNKARD CREEK
 COUNTY/DISTRICT: MONONGALIA / CLAY
 SURFACE OWNER: PATRICIA A. BUNNER
 OIL & GAS ROYALTY OWNER: PATRICIA BUNNER, et al
 LEASE NUMBERS:

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 Office of Oil and Gas
 DATE: APRIL 6, 2020
 APR 08 2020
 WV Department of Environmental Protection

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

OPERATOR'S WELL #: BUNNER 4H
 API WELL #: 47 61 01865 H6A
 STATE COUNTY PERMIT
 CURRENT ELEVATION: 1,328' PROPOSED ELEVATION: 1,308'
 QUADRANGLE: BLACKSVILLE, WV
 ACREAGE: 94.72 +/-
 ACREAGE: 953.864 +/-

ESTIMATED DEPTH: TVD: 8,024' TMD: 24,629'
 DESIGNATED AGENT: JOHN ADAMS
 ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200
 CITY: CHARLESTON STATE: WV ZIP CODE: 25301

PROPERTY OWNER INDEX	
4-18-32	PATRICIA A. BUNNER
4-17-6.1	PATRICIA A. BUNNER
4-17-6	PATRICIA A. BUNNER
4-17-7	KAMI D. & JAMES K. ELLIOT
4-17-7.1	ROGER & JOYCE WILLIAMS TRUST
4-17-8	ALEX BRADLEY-JAE WILSON
4-17-12	FREDDIE W. EDDY II & SALLY L. EDDY
4-17-13.1	JOHNNY HERBERT & CRYSTAL RENEE HAMILTON
4-17-13	HARRY D. HAMILTON (LIFE - FRANCES H. HAMILTON)
4-17-29	HERBERT W. HAMILTON ESTATE
4-17-14.3	HERBERT W. HAMILTON ESTATE; JOHN HERBERT HAMILTON & HERBERT E. HAMILTON ET AL
4-17-12.1	FREDDIE W. EDDY II & SALLY L. EDDY
4-17-13	HARRY D. HAMILTON (LIFE - FRANCES H. HAMILTON)
4-17-29.1	HERBERT W. HAMILTON ESTATE; JOHN HERBERT HAMILTON & HERBERT E. HAMILTON ET AL
4-17-29.2	HERBERT W. HAMILTON ESTATE; JOHN HERBERT HAMILTON & HERBERT E. HAMILTON ET AL
4-17-26	STEVEN J. PUHALLA
4-17-51	EARNEST DAVID DILLIE (LIFE-FRANKLIN E & NANCY L DILLE)
4-17-54.1	COLLIN D. TOWNS (LIFE - HENRY DUKE & RUTH ANN TOWNS)
4-17-52	DONALD C. & LINDA D. BEHNER
4-17-54	NORMAN BARR
4-17-53	MARY D., WILLIAM L., LINDSAY J. & GEROGIE E. TENNANT
4-20-12	JOHN PAUL TENNANT ESTATE
4-20-11	HERBERT EARL HAMILTON
4-17-12.1	FREDDIE W. EDDY II & SALLY L EDDY
4-17-54.1	COLIN D TOWNS (LIFE-HENRY DUKE & RUTH ANN TOWNS)
4-20-12	JOHN PAUL TENNANT ESTATE
4-20-58.5	RODNEY A MCVICKER (LIFE BONITA I TOOTHMAN)
4-20-58.1	CONSOL MINING COMPANY LLC
4-20-58.6	GARY L RUSH
4-20-58.7	NEAL ERCOLANO
4-20-59	BUDDY B AMMONS
4-20-58	BRIAN KYLE LEMLEY
4-20-56	WILLIAM W KNISLEY JR & RACHEL L KNISLEY
4-20-57	WILLIAM F MICHAEL JR

LEASE INDEX			
A	WV-061-004154-001	O	WV-061-005145-001
B	WV-061-005350-010	P	WV-061-002566-001
C	WV-061-005256-001	Q	WV-061-001052-002
D	WV-061-003845-001	R	WV-061-003457-001
E	WV-061-004249-001	S	WV-061-003457-001
F	WV-061-004249-001	T	WV-061-003457-001
G	WV-061-003860-001	U	WV-061-003566-001
H	WV-061-005466-001	V	WV-061-004348-001
I	WV-061-005270-001	W	WV-061-004246-001
J	WV-061-005270-001	X	WV-061-003749-001
K	WV-061-003680-002	Y	WV-061-003749-001
L	WV-061-003414-006		
M	WV-061-004066-001		
N	WV-061-003629-001		

FILE #: NEE14

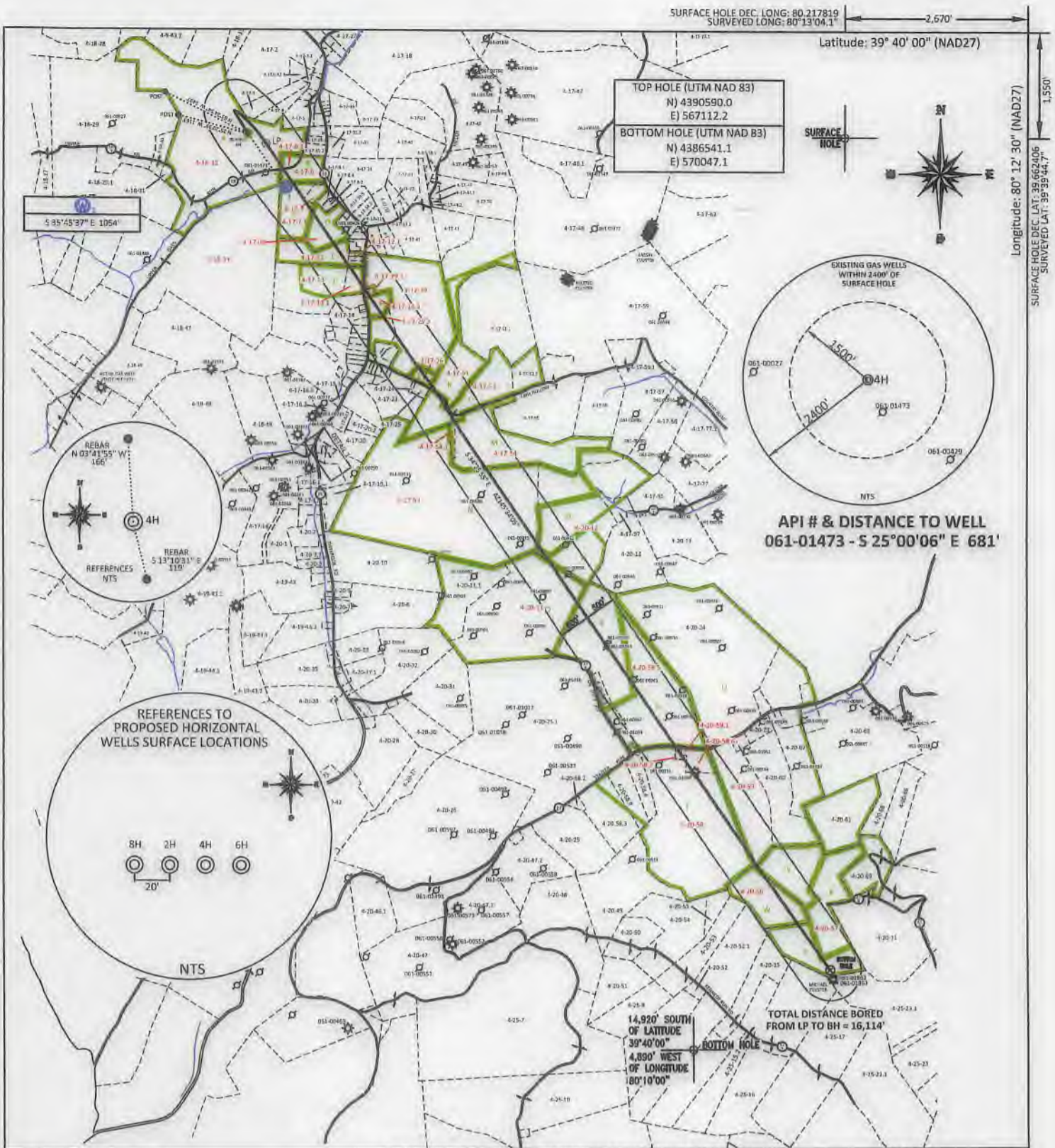
DRAWING #: 2949

SCALE: N/A

DATE: MARCH 26, 2020

OPERATOR'S WELL #: BUNNER 4H

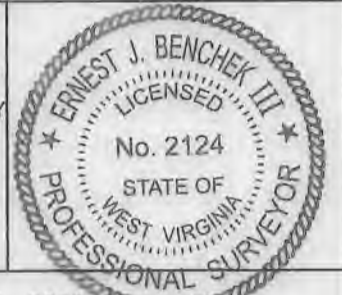
API WELL #: 47 61 01865 46A
STATE COUNTY PERMIT



FILE #: NEE14
 DRAWING #: 2949
 SCALE: PLAT: 1" = 2200'
 TICK MARK: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY: 1/200
 PROVEN SOURCE OF ELEVATION: SUBMETER MAPPING GRADE GPS

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

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



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WYDEP
 OFFICE OF OIL & GAS
 601 57TH STREET
 CHARLESTON, WV 25304
 Well Type: Oil Waste Disposal Production Deep
 Gas Liquid Injection Storage Shallow
 WATERSHED: DUNKARD CREEK
 COUNTY/DISTRICT: MONONGALIA / CLAY
 SURFACE OWNER: PATRICIA A. BUNNER
 OIL & GAS ROYALTY OWNER: PATRICIA BUNNER, et al
 LEASE NUMBERS:

DATE: APRIL 6, 2020
 OPERATOR'S WELL #: BUNNER 4H
 API WELL #: 47 61 01865 H6A
 STATE COUNTY PERMIT
 CURRENT ELEVATION: 1,328' PROPOSED ELEVATION: 1,308'
 QUADRANGLE: BLACKSVILLE, WV
 ACREAGE: 94.72 +/-
 ACREAGE: 953.864 +/-

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
 ESTIMATED DEPTH: TVD: 8,024' TMD: 24,629'
 WELL OPERATOR: NORTHEAST NATURAL ENERGY LLC
 ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200
 CITY: CHARLESTON STATE: WV ZIP CODE: 25301
 DESIGNATED AGENT: JOHN ADAMS
 ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200
 CITY: CHARLESTON STATE: WV ZIP CODE: 25301

PROPERTY OWNER INDEX	
4-18-32	PATRICIA A. BUNNER
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K	WV-061-003680-002	Y	WV-061-003749-001
L	WV-061-003414-006		
M	WV-061-004066-001		
N	WV-061-003629-001		

FILE #: NEE14

DRAWING #: 2949

SCALE: N/A

DATE: MARCH 26, 2020

OPERATOR'S WELL #: BUNNER 4H

API WELL #: 47 61 01865
STATE COUNTY PERMIT

WW-6A1
(5/13)

Operator's Well No. Bunner 4H

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

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

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

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

**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 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

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

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 LLC
 By: Hollie Medley *Hollie Medley*
 Its: Regulatory Manager

Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
A	WV-061-004154-001	Patricia Bunner	Northeast Natural Energy, LLC	12.5% or Greater	1563	435
B	WV-061-005350-010	Billy Ray Faver	Northeast Natural Energy, LLC	12.5% or Greater	1641	401
B	WV-061-005350-009	Donald Wayne Faver	Northeast Natural Energy, LLC	12.5% or Greater	1641	383
B	WV-061-005350-006	John Wesley Howard	Northeast Natural Energy, LLC	12.5% or Greater	1637	505
B	WV-061-005350-002	Michael Raymond Howard	Northeast Natural Energy, LLC	12.5% or Greater	1637	497
B	WV-061-005350-011	Gregory Allen Howard	Northeast Natural Energy, LLC	12.5% or Greater	1641	403
B	WV-061-005350-007	Cynthia Breedlove	Northeast Natural Energy, LLC	12.5% or Greater	1637	607
B	WV-061-005350-005	Ronald Wood	Northeast Natural Energy, LLC	12.5% or Greater	1637	503
B	WV-061-005350-008	Jeffrey Alan Wood	Northeast Natural Energy, LLC	12.5% or Greater	1637	609
B	WV-061-005350-004	Celorinda Sue Hemphill	Northeast Natural Energy, LLC	12.5% or Greater	1637	501
B	WV-061-005350-003	Marlene L. Grissom	Northeast Natural Energy, LLC	12.5% or Greater	1637	499
B	WV-061-005350-001	Tabitha Sue Merritt	Northeast Natural Energy, LLC	12.5% or Greater	1636	219
B	WV-061-005350-012	Keith D. Watson and Sheila Watson	Northeast Natural Energy, LLC	12.5% or Greater	1690	288
B	WV-061-005420-002	Deborah L. Horkulic	Northeast Natural Energy, LLC	12.5% or Greater	1641	448
B	WV-061-005420-003	Rebecca A. Horkulic	Northeast Natural Energy, LLC	12.5% or Greater	1643	332
B	WV-061-005420-001	Jeanne Levaughn Blackburn	Northeast Natural Energy, LLC	12.5% or Greater	1641	446
C	WV-061-005256-001	Tabitha Simpson	Northeast Natural Energy, LLC	12.5% or Greater	1628	627
C	WV-061-005257-047	Abbey Lynn Price	Northeast Natural Energy, LLC	12.5% or Greater	1657	278
C	WV-061-005257-049	Anthony Scott Taylor	Northeast Natural Energy, LLC	12.5% or Greater	1657	282
C	WV-061-005257-037	Belva Corene York	Northeast Natural Energy, LLC	12.5% or Greater	1641	373
C	WV-061-005257-051	Beth A. Perchuk	Northeast Natural Energy, LLC	12.5% or Greater	1657	286
C	WV-061-005467-001	Billy Ray Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1645	174
C	WV-061-005430-002	Carney David Hamilton	Northeast Natural Energy, LLC	12.5% or Greater	1648	312
C	WV-061-005257-003	Carolyn Gail Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1629	266
C	WV-061-005586-001	Cassie P. Parker-Snodgrass	Northeast Natural Energy, LLC	12.5% or Greater	1680	638
C	WV-061-004573-004	Celine B. Tennant Estate	Northeast Natural Energy, LLC	12.5% or Greater	1678	411
C	WV-061-005257-008	Charles Wendell Moore	Northeast Natural Energy, LLC	12.5% or Greater	1631	845
C	WV-061-005257-023	Diana Beth Thomas	Northeast Natural Energy, LLC	12.5% or Greater	1635	458
C	WV-061-005257-009	Dottie L. Moore	Northeast Natural Energy, LLC	12.5% or Greater	1631	847
C	WV-061-005257-025	Eleanor J. Toothman	Northeast Natural Energy, LLC	12.5% or Greater	1636	197
C	WV-061-005257-033	Eric R. Moore	Northeast Natural Energy, LLC	12.5% or Greater	1637	452
C	WV-061-005257-001	Frederick Snodgrass	Northeast Natural Energy, LLC	12.5% or Greater	1628	329
C	WV-061-005257-013	Gary Kendall Moore	Northeast Natural Energy, LLC	12.5% or Greater	1633	412
C	WV-061-005257-028	Gloria E. Gump	Northeast Natural Energy, LLC	12.5% or Greater	1637	442
C	WV-061-005468-001	James David Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1645	178
C	WV-061-005257-011	Jamie J. Raymond	Northeast Natural Energy, LLC	12.5% or Greater	1633	408

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 APR 06 2020
 Environmental Protection
 47061-01-001-001-001

Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
C	WV-061-005256-002	Janis J. Douglas, a/k/a Janis J. Kojac	Northeast Natural Energy, LLC	12.5% or Greater	1633	403
C	WV-061-005257-010	Jaretta Gail Finch	Northeast Natural Energy, LLC	12.5% or Greater	1631	849
C	WV-061-005257-030	Jarrold Tyler Williams	Northeast Natural Energy, LLC	12.5% or Greater	1637	446
C	WV-061-005257-032	Jason Timothy Moore	Northeast Natural Energy, LLC	12.5% or Greater	1637	450
C	WV-061-005257-012	Jeanie P. Wise	Northeast Natural Energy, LLC	12.5% or Greater	1633	410
C	WV-061-005257-052	Jeffrey Dewayne Williams	Northeast Natural Energy, LLC	12.5% or Greater	1658	581
C	WV-061-005257-018	Jeffrey J. Cotter	Northeast Natural Energy, LLC	12.5% or Greater	1633	422
C	WV-061-005257-007	Jeffrey John Moore	Northeast Natural Energy, LLC	12.5% or Greater	1629	274
C	WV-061-005430-001	Jennifer L. Wright	Northeast Natural Energy, LLC	12.5% or Greater	1643	338
C	WV-061-005467-003	Jimmy Randall Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1647	118
C	WV-061-005389-001	Joseph R. Sollars	Northeast Natural Energy, LLC	12.5% or Greater	1638	690
C	WV-061-005257-004	Judith Roberta Sine	Northeast Natural Energy, LLC	12.5% or Greater	1629	268
C	WV-061-005257-014	Karen L. Breedlove	Northeast Natural Energy, LLC	12.5% or Greater	1633	414
C	WV-061-005257-019	Kathy Sue Francis, aka, Kathy S. Breedlove	Northeast Natural Energy, LLC	12.5% or Greater	1633	424
C	WV-061-005257-044	Kendal Lee Moore	Northeast Natural Energy, LLC	12.5% or Greater	1650	257
C	WV-061-005257-048	Kenneth Edwin Williams	Northeast Natural Energy, LLC	12.5% or Greater	1657	280
C	WV-061-05468-003	Kimberly Dawn Coker	Northeast Natural Energy, LLC	12.5% or Greater	1645	182
C	WV-061-005257-034	Lance Lawrence Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1638	606
C	WV-061-005257-050	Marcy Annette Taylor	Northeast Natural Energy, LLC	12.5% or Greater	1657	284
C	WV-061-005257-026	Mary Jane Shriver	Northeast Natural Energy, LLC	12.5% or Greater	1636	199
C	WV-061-005257-031	Merna Jean Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1637	448
C	WV-061-005257-029	Michelle Dawn Johnson	Northeast Natural Energy, LLC	12.5% or Greater	1637	444
C	WV-061-005256-003	Michelle P. Snodgras	Northeast Natural Energy, LLC	12.5% or Greater	1637	440
C	WV-061-005257-006	Nancy Lee Statler	Northeast Natural Energy, LLC	12.5% or Greater	1629	272
C	WV-061-005468-002	Pamela Lane Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1645	180
C	WV-061-005257-002	Pandora Sue Simmons	Northeast Natural Energy, LLC	12.5% or Greater	1629	264
C	WV-061-005468-004	Patricia Jane Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1645	184
C	WV-061-005257-046	Reginald Kyle Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1654	66
C	WV-061-005257-035	Ricky R. Shriver	Northeast Natural Energy, LLC	12.5% or Greater	1640	631
C	WV-061-005257-016	Robert C. Moore	Northeast Natural Energy, LLC	12.5% or Greater	1633	418
C	WV-061-005390-001	Robert E. Sollars, Jr.	Northeast Natural Energy, LLC	12.5% or Greater	1638	692
C	WV-061-005257-015	Robert Gay Santee, Sr.	Northeast Natural Energy, LLC	12.5% or Greater	1633	416
C	WV-061-005257-045	Robert Jeffrey Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1650	299
C	WV-061-005257-053	Robert Keith Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1661	311
C	WV-061-005467-002	Rodney Wayne Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1645	176
C	WV-061-005257-005	Rose Marie Moore	Northeast Natural Energy, LLC	12.5% or Greater	1629	270
C	WV-061-005467-004	Roxana Cahill and Michael Cahill	Northeast Natural Energy, LLC	12.5% or Greater	1647	20

RECEIVED
 Office of Oil and Gas
 Environmental Protection
 WV Department of Environmental Protection
 APR 10 8 25 AM '09
 4706101825

Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
C	WV-061-005257-017	Royal E. Moore	Northeast Natural Energy, LLC	12.5% or Greater	1633	420
C	WV-061-005257-038	Shelia L. Simpson	Northeast Natural Energy, LLC	12.5% or Greater	1641	375
C	WV-061-005257-024	Shirley Jean Foster	Northeast Natural Energy, LLC	12.5% or Greater	1635	460
C	WV-061-005388-001	Susan F. Snodgrass	Northeast Natural Energy, LLC	12.5% or Greater	1638	688
C	WV-061-005257-027	Susan Louise Stuzen	Northeast Natural Energy, LLC	12.5% or Greater	1636	201
C	WV-061-005257-041	Tanya Lee Smerdell	Northeast Natural Energy, LLC	12.5% or Greater	1628	330
C	WV-061-005257-042	Terry L. Shriver	Northeast Natural Energy, LLC	12.5% or Greater	1648	332
C	WV-061-005257-040	Tina Marie Bragg	Northeast Natural Energy, LLC	12.5% or Greater	1648	328
C	WV-061-005257-036	Toby John Williams	Northeast Natural Energy, LLC	12.5% or Greater	1641	371
C	WV-061-005257-039	William Ray Moore	Northeast Natural Energy, LLC	12.5% or Greater	1643	222
D	WV-061-003845-001	Gary D. Yost	Northeast Natural Energy, LLC	12.5% or Greater	1568	254
D	WV-061-003845-002	Kellie D. Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1559	362
D	WV-061-003845-003	Lorrie E. Kuhn	Northeast Natural Energy, LLC	12.5% or Greater	1568	254
E	WV-061-004249-001	Shuman, Inc.	Northeast Natural Energy, LLC	12.5% or Greater	1568	775
F	WV-061-004249-001	Frances F. Hamilton	Northeast Natural Energy, LLC	12.5% or Greater	1496	27
F	WV-061-005540-074	Beverly Ann Dick	Northeast Natural Energy, LLC	12.5% or Greater	1687	220
F	WV-061-005540-046	Nancy Jean Miche	Northeast Natural Energy, LLC	12.5% or Greater	1678	369
F	WV-061-005540-073	Dennis Huffman	Northeast Natural Energy, LLC	12.5% or Greater	1687	218
F	WV-061-005540-077	Randall Huffman	Northeast Natural Energy, LLC	12.5% or Greater	1687	592
F	WV-061-005540-079	Connie Carver Miller	Northeast Natural Energy, LLC	12.5% or Greater	1688	207
F	WV-061-005540-084	William Craig Carver	Northeast Natural Energy, LLC	12.5% or Greater	1694	630
F	WV-061-005540-057	Daphney Lockett	Northeast Natural Energy, LLC	12.5% or Greater	1679	361
F	WV-061-005540-062	Shawnda Payne	Northeast Natural Energy, LLC	12.5% or Greater	1679	371
F	WV-061-005540-051	Chase Wayne Carver	Northeast Natural Energy, LLC	12.5% or Greater	1678	379
F	WV-061-005540-076	Alana Deray Carver	Northeast Natural Energy, LLC	12.5% or Greater	1687	237
F	WV-061-005540-066	Cynthia Carver Foreman	Northeast Natural Energy, LLC	12.5% or Greater	1680	660
F	WV-061-005540-060	Trae Carver	Northeast Natural Energy, LLC	12.5% or Greater	1679	367
F	WV-061-005540-059	Trent Carver	Northeast Natural Energy, LLC	12.5% or Greater	1679	367
F	WV-061-005540-050	Tricia Carver	Northeast Natural Energy, LLC	12.5% or Greater	1678	377
F	WV-061-005540-063	Christi R. Buckingham	Northeast Natural Energy, LLC	12.5% or Greater	1679	373
F	WV-061-005540-054	Suzanne K. Stahl	Northeast Natural Energy, LLC	12.5% or Greater	1678	385
F	WV-061-005540-061	Bruce Stahl	Northeast Natural Energy, LLC	12.5% or Greater	1679	369
F	WV-061-005540-071	Candace R. Shaum	Northeast Natural Energy, LLC	12.5% or Greater	1687	214
F	WV-061-005540-080	Brandy Balder	Northeast Natural Energy, LLC	12.5% or Greater	1690	304
F	WV-061-005540-078	Greta Stahl Estate	Northeast Natural Energy, LLC	12.5% or Greater	1688	205
F	WV-061-005540-072	Gertrude M. Gorey	Northeast Natural Energy, LLC	12.5% or Greater	1687	116
F	WV-061-005540-052	Robert Clay McCulty	Northeast Natural Energy, LLC	12.5% or Greater	1678	381
F	WV-061-005540-045	Duane McCulty	Northeast Natural Energy, LLC	12.5% or Greater	1678	367
F	WV-061-005540-053	James Kelly McCulty	Northeast Natural Energy, LLC	12.5% or Greater	1678	363

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Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
F	WV-061-005540-047	Clifford McCulty	Northeast Natural Energy, LLC	12.5% or Greater	1678	371
F	WV-061-005540-069	Barbara Kelly	Northeast Natural Energy, LLC	12.5% or Greater	1681	737
F	WV-061-005540-070	Patricia Stahl Fortune	Northeast Natural Energy, LLC	12.5% or Greater	1683	314
F	WV-061-005540-055	Janice Carine Sands	Northeast Natural Energy, LLC	12.5% or Greater	1678	401
F	WV-061-005540-068	Douglas Gene Henderson	Northeast Natural Energy, LLC	12.5% or Greater	1680	624
F	WV-061-005540-024	William Haser	Northeast Natural Energy, LLC	12.5% or Greater	1671	290
F	WV-061-005540-032	Sandra L. Marchesi	Northeast Natural Energy, LLC	12.5% or Greater	1673	331
F	WV-061-005540-033	Jerriewane Narigon	Northeast Natural Energy, LLC	12.5% or Greater	1673	333
F	WV-061-005540-025	Gene Metzger	Northeast Natural Energy, LLC	12.5% or Greater	1671	302
F	WV-061-005540-035	Laurie Roberts	Northeast Natural Energy, LLC	12.5% or Greater	1673	337
F	WV-061-005540-027	Clayten Liddicoat	Northeast Natural Energy, LLC	12.5% or Greater	1671	349
F	WV-061-005540-026	Deidra Liddicoat Morgan	Northeast Natural Energy, LLC	12.5% or Greater	1671	304
F	WV-061-005540-056	Kelly Liddicoat Bethke	Northeast Natural Energy, LLC	12.5% or Greater	1679	359
F	WV-061-005540-048	Karen Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1678	373
F	WV-061-005540-064	Mel Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1680	656
F	WV-061-005540-038	Teri Jean Howard	Northeast Natural Energy, LLC	12.5% or Greater	1675	187
F	WV-061-005540-034	Carolyn A. Smith	Northeast Natural Energy, LLC	12.5% or Greater	1673	335
F	WV-061-005540-041	Loretta Lutsch	Northeast Natural Energy, LLC	12.5% or Greater	1675	193
F	WV-061-005540-018	Melissa R. Whitt	Northeast Natural Energy, LLC	12.5% or Greater	1666	95
F	WV-061-005540-031	John R. Novak	Northeast Natural Energy, LLC	12.5% or Greater	1673	329
F	WV-061-005540-044	David Williamson	Northeast Natural Energy, LLC	12.5% or Greater	1678	327
F	WV-061-005540-019	Judith Ann Waddell	Northeast Natural Energy, LLC	12.5% or Greater	1666	97
F	WV-061-005540-020	Bettie Louise Mancini	Northeast Natural Energy, LLC	12.5% or Greater	1671	352
F	WV-061-005540-030	Starlind Little	Northeast Natural Energy, LLC	12.5% or Greater	1671	356
F	WV-061-005540-021	Christina Hoskins	Northeast Natural Energy, LLC	12.5% or Greater	1665	768
F	WV-061-005540-028	Holly H. Huffstutler	Northeast Natural Energy, LLC	12.5% or Greater	1671	352
F	WV-061-005540-017	Amber Olliverio	Northeast Natural Energy, LLC	12.5% or Greater	1666	93
F	WV-061-005540-040	Patsy M. Head	Northeast Natural Energy, LLC	12.5% or Greater	1675	191
F	WV-061-005540-023	Patricia Heintzman	Northeast Natural Energy, LLC	12.5% or Greater	1670	126
F	WV-061-005540-004	Larry Gene Hoskins	Northeast Natural Energy, LLC	12.5% or Greater	1662	25
F	WV-061-005540-006	Lois Kay Ross	Northeast Natural Energy, LLC	12.5% or Greater	1662	743
F	WV-061-005540-007	Valerie D. Goodman	Northeast Natural Energy, LLC	12.5% or Greater	1662	745
F	WV-061-005540-015	Crystal L. Rossiter	Northeast Natural Energy, LLC	12.5% or Greater	1664	739
F	WV-061-005540-013	Richard M. Rossiter II	Northeast Natural Energy, LLC	12.5% or Greater	1664	735
F	WV-061-005540-012	Joyce Fetrow	Northeast Natural Energy, LLC	12.5% or Greater	1664	733
F	WV-061-005540-042	Barry F. Hoskins	Northeast Natural Energy, LLC	12.5% or Greater	1664	195
F	WV-061-005540-016	Marilyn Davis	Northeast Natural Energy, LLC	12.5% or Greater	1664	741
F	WV-061-005540-014	Barbara Schwartz	Northeast Natural Energy, LLC	12.5% or Greater	1664	737
F	WV-061-005540-058	Robyn Renee Hoskins	Northeast Natural Energy, LLC	12.5% or Greater	1664	363
F	WV-061-005540-067	Lisa Anne Hoskins Clark	Northeast Natural Energy, LLC	12.5% or Greater	1664	662

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Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
F	WV-061-005540-075	Christine Hoskins	Northeast Natural Energy, LLC	12.5% or Greater	1687	235
F	WV-061-005540-065	Kenneth Hoskins	Northeast Natural Energy, LLC	12.5% or Greater	1680	658
F	WV-061-005540-043	Ruth P. Hoskins Schuckert	Northeast Natural Energy, LLC	12.5% or Greater	1675	197
F	WV-061-005540-003	Wandalee F. Tipper	Northeast Natural Energy, LLC	12.5% or Greater	1662	23
F	WV-061-005540-049	Edward Herrnberger	Northeast Natural Energy, LLC	12.5% or Greater	1678	375
F	WV-061-005540-022	Rodney Ray Tipper	Northeast Natural Energy, LLC	12.5% or Greater	1665	770
F	WV-061-005540-011	Aaron Scott Tipper	Northeast Natural Energy, LLC	12.5% or Greater	1664	731
F	WV-061-005540-036	Joseph Dwain Tipper	Northeast Natural Energy, LLC	12.5% or Greater	1673	339
F	WV-061-005540-009	Toni K. Markowski	Northeast Natural Energy, LLC	12.5% or Greater	1662	749
F	WV-061-005540-010	Kimberly C. Keller	Northeast Natural Energy, LLC	12.5% or Greater	1662	751
F	WV-061-005540-008	Sandra K. Mitchell	Northeast Natural Energy, LLC	12.5% or Greater	1662	747
F	WV-061-005540-005	Larry Neil Gray	Northeast Natural Energy, LLC	12.5% or Greater	1662	27
F	WV-061-005540-002	Leland Gray	Northeast Natural Energy, LLC	12.5% or Greater	1662	21
F	WV-061-005540-001	Pamela Gray Coffman	Northeast Natural Energy, LLC	12.5% or Greater	1662	19
F	WV-061-005540-029	Judith Kay Webb	Northeast Natural Energy, LLC	12.5% or Greater	1671	354
F	WV-061-005540-037	William Rudolph Berdine	Northeast Natural Energy, LLC	12.5% or Greater	1673	341
F	WV-061-005540-039	Shirley Robertson	Northeast Natural Energy, LLC	12.5% or Greater	1675	189
G	WV-061-003860-001	Shuman, Inc.	Northeast Natural Energy, LLC	12.5% or Greater	1551	101
G	WV-061-005534-001	William K. Boylen	Northeast Natural Energy, LLC	12.5% or Greater	1658	704
G	WV-061-005332-001	CNX Gas Company LLC	Northeast Natural Energy, LLC	12.5% or Greater	1632	789
H	WV-061-005466-001	CNX Gas Company LLC	Northeast Natural Energy, LLC	12.5% or Greater	1645	166
I	WV-061-005270-001	Shuman, Inc.	Northeast Natural Energy, LLC	12.5% or Greater	1628	674
I	WV-061-002922-004	Herbert E. Hamilton	Northeast Natural Energy, LLC	12.5% or Greater	1523	411
I	WV-061-002922-005	Jason P. Hamilton	Northeast Natural Energy, LLC	12.5% or Greater	1526	68
I	WV-061-002922-003	Britten E. Hamilton	Northeast Natural Energy, LLC	12.5% or Greater	1517	407
I	WV-061-002922-002	John L. Hamilton	Northeast Natural Energy, LLC	12.5% or Greater	1517	419
J	WV-061-005270-001	Shuman, Inc.	Northeast Natural Energy, LLC	12.5% or Greater	1628	674
J	WV-061-003769-004	Herbert E. Hamilton	Northeast Natural Energy, LLC	12.5% or Greater	1554	463
J	WV-061-003769-003	Jason P. Hamilton	Northeast Natural Energy, LLC	12.5% or Greater	1554	473
J	WV-061-003769-002	Britten E. Hamilton	Northeast Natural Energy, LLC	12.5% or Greater	1564	558
J	WV-061-003769-001	John L. Hamilton	Northeast Natural Energy, LLC	12.5% or Greater	1517	419
K	WV-061-003680-002	Wilma Williams	Northeast Natural Energy, LLC	12.5% or Greater	1538	408
K	WV-061-003656-009	Adrian Kyle Wells II	Northeast Natural Energy, LLC	12.5% or Greater	1566	393
K	WV-061-003646-006	Brian Davis, a/k/a Brian E. Davis	Northeast Natural Energy, LLC	12.5% or Greater	1554	453
K	WV-061-003680-001	Charles A. Filbey	Northeast Natural Energy, LLC	12.5% or Greater	1538	294
K	WV-061-003698-004	Charles B. Davis a/k/a Charles Bradley Davis	Northeast Natural Energy, LLC	12.5% or Greater	1554	366
K	WV-061-003861-001	Charles R. Miller	Northeast Natural Energy, LLC	12.5% or Greater	1554	124

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Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
K	WV-061-004072-004	Charlotta M. Simpson	Northeast Natural Energy, LLC	12.5% or Greater	1566	1
K	WV-061-003867-001	Cliff Wilson a/k/a Cliff Evan Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1566	5
K	WV-061-004072-009	Conrad Tennant Jr.	Northeast Natural Energy, LLC	12.5% or Greater	1566	733
K	WV-061-003934-002	Daniel G. Dinius	Northeast Natural Energy, LLC	12.5% or Greater	1566	3
K	WV-061-003656-008	David Lee Wells	Northeast Natural Energy, LLC	12.5% or Greater	1562	395
K	WV-061-004072-008	David Nicholson	Northeast Natural Energy, LLC	12.5% or Greater	1566	696
K	WV-061-004072-002	Deborah A. Haught	Northeast Natural Energy, LLC	12.5% or Greater	1565	513
K	WV-061-004072-007	Diana S. Walsh	Northeast Natural Energy, LLC	12.5% or Greater	1566	741
K	WV-061-003861-002	Donald L. Miller	Northeast Natural Energy, LLC	12.5% or Greater	1564	223
K	WV-061-005628-001	Stone Hill Minerals Holdings, LLC	Northeast Natural Energy, LLC	12.5% or Greater	1693	230
K	WV-061-003646-002	Gary Filbey a/k/a Gary R. Filbey	Northeast Natural Energy, LLC	12.5% or Greater	1454	448
K	WV-061-003643-001	Gayle Moore	Northeast Natural Energy, LLC	12.5% or Greater	1538	264
K	WV-061-003646-001	Jack L. Yost	Northeast Natural Energy, LLC	12.5% or Greater	1536	620
K	WV-061-003757-001	James E. Kallas	Northeast Natural Energy, LLC	12.5% or Greater	1557	492
K	WV-061-004072-001	James Nicholson	Northeast Natural Energy, LLC	12.5% or Greater	1565	515
K	WV-061-005328-002	Janet D. Crabtree	Northeast Natural Energy, LLC	12.5% or Greater	1635	492
K	WV-061-003646-004	Janet L. McMillen	Northeast Natural Energy, LLC	12.5% or Greater	1538	520
K	WV-061-004072-003	Jeffrey L. Nicholson	Northeast Natural Energy, LLC	12.5% or Greater	1565	849
K	WV-061-003656-006	Jerry Wayne Moore	Northeast Natural Energy, LLC	12.5% or Greater	1545	340
K	WV-061-005349-001	Jo Statler	Northeast Natural Energy, LLC	12.5% or Greater	1642	170
K	WV-061-005328-001	John C. Jones	Northeast Natural Energy, LLC	12.5% or Greater	1635	490
K	WV-061-003934-001	John W. Stiegemeier	Northeast Natural Energy, LLC	12.5% or Greater	1568	105
K	WV-061-003656-001	Joseph Anthony Haught	Northeast Natural Energy, LLC	12.5% or Greater	1539	475
K	WV-061-004072-005	Joseph B. Nicholson	Northeast Natural Energy, LLC	12.5% or Greater	1565	517
K	WV-061-003694-002	Judy Rose	Northeast Natural Energy, LLC	12.5% or Greater	1539	52
K	WV-061-003698-001	Larry Rush	Northeast Natural Energy, LLC	12.5% or Greater	1538	268
K	WV-061-003656-010	Lelia kimberly Wells Fournet	Northeast Natural Energy, LLC	12.5% or Greater	1566	723
K	WV-061-003697-002	Linda L. Barker	Northeast Natural Energy, LLC	12.5% or Greater	1564	564
K	WV-061-004072-006	Linda Lee Brown	Northeast Natural Energy, LLC	12.5% or Greater	1566	333
K	WV-061-005328-004	Loruma B. Brokaw	Northeast Natural Energy, LLC	12.5% or Greater	1636	227
K	WV-061-003747-001	Mabel Cummins	Northeast Natural Energy, LLC	12.5% or Greater	1542	98
K	WV-061-003694-001	Malorie Jane Evans	Northeast Natural Energy, LLC	12.5% or Greater	1539	39
K	WV-061-003984-001	Marilyn Moore	Northeast Natural Energy, LLC	12.5% or Greater	1565	519
K	WV-061-003680-003	Mark Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1566	735
K	WV-061-003656-002	Mary V. Cole	Northeast Natural Energy, LLC	12.5% or Greater	1538	584
K	WV-061-003656-007	Olivia Keth Wells Sullivan	Northeast Natural Energy, LLC	12.5% or Greater	1566	743
K	WV-061-005372-001	Randall E. Dinius	Northeast Natural Energy, LLC	12.5% or Greater	1637	593

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K	WV-061-003697-006	Rhonda E. Taylor	Northeast Natural Energy, LLC	12.5% or Greater	1564	568
K	WV-061-003646-003	Richard L. Filbey	Northeast Natural Energy, LLC	12.5% or Greater	1550	308
K	WV-061-003656-004	Richard Lane Moore	Northeast Natural Energy, LLC	12.5% or Greater	1547	830
K	WV-061-004702-001	Robert C. Filbey	Northeast Natural Energy, LLC	12.5% or Greater	1605	317
K	WV-061-003697-004	Robert D. Gump	Northeast Natural Energy, LLC	12.5% or Greater	1560	123
K	WV-061-003656-003	Robert Lynn Moore	Northeast Natural Energy, LLC	12.5% or Greater	1545	478
K	WV-061-003698-003	Russle D. Yost	Northeast Natural Energy, LLC	12.5% or Greater	1560	266
K	WV-061-003850-001	Shirley Marlene Hollandsworth	Northeast Natural Energy, LLC	12.5% or Greater	1563	127
K	WV-061-005547-001	Stephen A. Jones	Northeast Natural Energy, LLC	12.5% or Greater	1662	755
K	WV-061-003656-005	Susan Gail Moore	Northeast Natural Energy, LLC	12.5% or Greater	1545	342
K	WV-061-003680-005	Susan L. James	Northeast Natural Energy, LLC	12.5% or Greater	1565	511
K	WV-061-003697-005	Susan R. Edwards	Northeast Natural Energy, LLC	12.5% or Greater	1564	547
K	WV-061-003698-002	Tana Butler	Northeast Natural Energy, LLC	12.5% or Greater	1539	339
K	WV-061-005328-003	Thomas D. Jones	Northeast Natural Energy, LLC	12.5% or Greater	1636	217
K	WV-061-003680-007	Todd Rupert	Northeast Natural Energy, LLC	12.5% or Greater	1641	320
K	WV-061-005328-005	Trisha McGill	Northeast Natural Energy, LLC	12.5% or Greater	1638	642
L	WV-061-003414-006	Steven Burl Britvec	Northeast Natural Energy LLC	12.5% or Greater	1628	311
L	WV-061-003414-008	Mary Ann Raley	Northeast Natural Energy LLC	12.5% or Greater	1628	315
L	WV-061-003414-007	Barbara Kay Brookover	Northeast Natural Energy LLC	12.5% or Greater	1628	313
L	WV-061-003414-013	David Marko	Northeast Natural Energy LLC	12.5% or Greater	1517	30
L	WV-061-003414-010	Krista Burke	Northeast Natural Energy LLC	12.5% or Greater	1687	592
M	WV-061-004066-001	William L. Tennant	Northeast Natural Energy LLC	12.5% or Greater	1563	773
M	WV-061-001756-029	Lindsay John Tennant	Northeast Natural Energy LLC	12.5% or Greater	1687	186
M	WV-061-004066-002	Jesse Thomas Tennant Jr.	Northeast Natural Energy LLC	12.5% or Greater	1563	83
M	WV-061-001756-026	Herbert Earl Hamilton	Northeast Natural Energy LLC	12.5% or Greater	1679	236
M		Susan Rose Price	Northeast Natural Energy LLC	12.5% or Greater	1397	523
M	WV-061-001756-020	David L. and Susan Rose Price, JTROS	Northeast Natural Energy LLC	12.5% or Greater	1612	17
M	WV-061-005412-003	Betty Louise Tennant	Northeast Natural Energy LLC	12.5% or Greater	1643	324
M	WV-061-001756-022	Rosemary M. Saunders	Northeast Natural Energy LLC	12.5% or Greater	1675	171
M	WV-061-001756-028	Georgia Ellen Tennant a/k/a Gerogia E. Butcher	Northeast Natural Energy LLC	12.5% or Greater	1687	184
M	WV-061-001756-021	Jesse Martin Tennant	Northeast Natural Energy LLC	12.5% or Greater	1673	272
M	WV-061-001756-027	Robert D. Kerns	Northeast Natural Energy LLC	12.5% or Greater	1681	671
M	WV-061-004066-006	Brandi Rubeshaw	Northeast Natural Energy LLC	12.5% or Greater	1564	145
M	WV-061-005412-004	James Paul Rush	Northeast Natural Energy LLC	12.5% or Greater	1564	34
M	WV-061-001756-024	Nancy Joe Wilson Dille	Northeast Natural Energy LLC	12.5% or Greater	1678	271
M	WV-061-001756-025	Amber Lou Wilson Kavlick	Northeast Natural Energy LLC	12.5% or Greater	1678	273
M	WV-061-001756-023	Amanda Jo Wilson Tennant	Northeast Natural Energy LLC	12.5% or Greater	1678	269

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M	WV-061-003969-003	Steven Burl Britvec	Northeast Natural Energy LLC	12.5% or Greater	1562	414
M	WV-061-003969-002	Mary Ann Raley	Northeast Natural Energy LLC	12.5% or Greater	1564	40
M	WV-061-003989-001	Barbara Kay Brookover	Northeast Natural Energy LLC	12.5% or Greater	1564	321
M	WV-061-003969-004	David Marko	Northeast Natural Energy LLC	12.5% or Greater	1564	545
M	WV-061-003969-001	Krista Burke	Northeast Natural Energy LLC	12.5% or Greater	1564	562
N	WV-061-003629-001	Mona Joy Copeland	Northeast Natural Energy LLC	12.5% or Greater	1548	250
N	WV-061-003539-003	Charles Edward Bennett Jr.	Northeast Natural Energy LLC	12.5% or Greater	1538	348
N	WV-061-003539-012	Georgia Ellen Tennant a/k/a Gerogia E. Butcher	Northeast Natural Energy LLC	12.5% or Greater	1684	434
N	WV-061-003539-004	Amy Lynn Trickett	Northeast Natural Energy LLC	12.5% or Greater	1568	246
N	WV-061-002472-004	Daniel M. Copeland	Northeast Natural Energy LLC	12.5% or Greater	1427	190
N	WV-061-002472-002	Jimmie Dell Copeland	Northeast Natural Energy LLC	12.5% or Greater	1427	130
N	WV-061-003539-006	John Max Copeland III	Northeast Natural Energy LLC	12.5% or Greater	1641	314
N	WV-061-002472-005	Mary. L Copeland	Northeast Natural Energy LLC	12.5% or Greater	1425	682
N	WV-061-002472-001	Robert Lyle Copeland	Northeast Natural Energy LLC	12.5% or Greater	1426	117
N	WV-061-001552-020	Janie Louis Gram	Northeast Natural Energy LLC	12.5% or Greater	1635	528
N	WV-061-003539-007	Deborah S. Hayhurt	Northeast Natural Energy LLC	12.5% or Greater	1647	23
N	WV-061-001552-018	Judy Ann Heston	Northeast Natural Energy LLC	12.5% or Greater	1630	187
N	WV-061-001552-021	Denzil Ray Hibbs	Northeast Natural Energy LLC	12.5% or Greater	1647	11
N	WV-061-001552-019	Donnie Fay Hibbs	Northeast Natural Energy LLC	12.5% or Greater	1635	340
N	WV-061-001552-023	John W. Higgins	Northeast Natural Energy LLC	12.5% or Greater	1647	15
N	WV-061-001552-012;	Paula E. Higgins	Northeast Natural Energy LLC	12.5% or Greater	1395	96
N	WV-061-001552-022	Mary L. Ogawa	Northeast Natural Energy LLC	12.5% or Greater	1647	13
N	WV-061-002479-001	Ruby Jane Simpson	Northeast Natural Energy LLC	12.5% or Greater	1426	777
N	WV-061-003539-005	Joan Sinclair	Northeast Natural Energy LLC	12.5% or Greater	1641	312
N	WV-061-003539-013	Robin Delgado	Northeast Natural Energy LLC	12.5% or Greater	140	371
N	WV-061-003539-009	Cristy Acree	Northeast Natural Energy LLC	12.5% or Greater	139	448
N	WV-061-003539-014	Brandon Stokes	Northeast Natural Energy LLC	12.5% or Greater	140	375
N	WV-061-003539-008	Bradley Stokes	Northeast Natural Energy LLC	12.5% or Greater	1671	366
N	WV-061-003539-011	Jesse Thomas Tennant Jr.	Northeast Natural Energy LLC	12.5% or Greater	1684	432
N	WV-061-003539-010	Lindsay J. Tennant	Northeast Natural Energy LLC	12.5% or Greater	1684	430
N	WV-061-001552-017	William L. Tennant	Northeast Natural Energy LLC	12.5% or Greater	1568	248
N	WV-061-001552-024	Sarah E. Thompson	Northeast Natural Energy LLC	12.5% or Greater	1650	66
N	WV-061-005629-001	Mary Lou Verbosky	Northeast Natural Energy LLC	12.5% or Greater	1557	501
O	WV-061-005145-001	Ruth Ann Burns	Northeast Natural Energy LLC	12.5% or Greater	1620	88
O	WV-061-005145-002	Nancy B. Lawler	Northeast Natural Energy LLC	12.5% or Greater	1620	90
O	WV-061-005244-001	Burns Family General Partnership	Northeast Natural Energy LLC	12.5% or Greater	1627	534
O	WV-061-005244-004	Franciscan Monastery USA, Inc.	Northeast Natural Energy LLC	12.5% or Greater	1661	799

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O	WV-061-005244-006	Mike Ross, Inc.	Northeast Natural Energy LLC	12.5% or Greater	1681	729
O	WV-061-005244-005	Waco Oil and Gas, Inc.	Northeast Natural Energy LLC	12.5% or Greater	1679	288
O	WV-061-005244-007	David Marko	Northeast Natural Energy LLC	12.5% or Greater	1694	622
O	WV-061-002337-006	American Mineral Holdings, LLC	Northeast Natural Energy LLC	12.5% or Greater	1682	314
O	WV-061-002337-004	Stephen Tennant	Northeast Natural Energy LLC	12.5% or Greater	1422	465
O	WV-061-005145-008	Steven Burl Britvec	Northeast Natural Energy LLC	12.5% or Greater	1645	244
O	WV-061-005145-009	Mary Ann Raley	Northeast Natural Energy LLC	12.5% or Greater	1645	246
O	WV-061-005145-010	Barbara Kay Brookover	Northeast Natural Energy LLC	12.5% or Greater	1645	248
O	WV-061-005145-011	Nancy Jo Wilson	Northeast Natural Energy LLC	12.5% or Greater	1652	243
O	WV-061-005145-012	Amber Lou Wilson	Northeast Natural Energy LLC	12.5% or Greater	1652	245
O	WV-061-005145-013	Amanda Jo Wilson	Northeast Natural Energy LLC	12.5% or Greater	1652	247
O	WV-061-005145-005	Krista Burke	Northeast Natural Energy LLC	12.5% or Greater	1637	746
O	WV-061-005145-007	Rosemary M. Saunders	Northeast Natural Energy LLC	12.5% or Greater	1643	129
O	WV-061-002337-005	Jesse Martin Tennant	Northeast Natural Energy LLC	12.5% or Greater	1456	609
O	WV-061-004841-001	Herbert E. Hamilton	Northeast Natural Energy LLC	12.5% or Greater	1612	189
O	WV-061-004784-001	Susan Price	Northeast Natural Energy LLC	12.5% or Greater	1607	634
O	WV-061-004784-001	David Price and Susan R. Price	Northeast Natural Energy LLC	12.5% or Greater	1607	634
O	WV-061-002467-002	Lindsay J. Tennant	Northeast Natural Energy LLC	12.5% or Greater	1421	389
O	WV-061-004710-003	Brandi Rubeshaw	Northeast Natural Energy LLC	12.5% or Greater	1605	522
O	WV-061-004710-007	James Paul Rush	Northeast Natural Energy LLC	12.5% or Greater	1612	140
O	WV-061-005342-001	Robert D. Kerns	Northeast Natural Energy LLC	12.5% or Greater	1636	235
O	WV-061-005145-004	Virginia Tennant	Northeast Natural Energy LLC	12.5% or Greater	1628	515
O	WV-061-005145-003	Jane C. Vieweg	Northeast Natural Energy LLC	12.5% or Greater	1623	137
P	WV-061-002566-001	SIERS, ROSE	Chesapeake Appalachia, L.L.C.	12.5% or Greater	1429	711
P		Chesapeake Appalachia, L.L.C.	Northeast Natural Energy LLC		120	769
P	WV-061-002332-015	TENNANT, EDWARD	Chesapeake Appalachia, L.L.C.	12.5% or Greater	1422	517
P		Chesapeake Appalachia, L.L.C.	Northeast Natural Energy LLC		120	769
P	WV-061-002332-014	TENNANT, STEPHEN	Chesapeake Appalachia, L.L.C.	12.5% or Greater	1422	521
P		Chesapeake Appalachia, L.L.C.	Northeast Natural Energy LLC		120	769
P	WV-061-004152-001	BUTCHER, RICHA	Northeast Natural Energy LLC	12.5% or Greater	1579	584
P	WV-061-002332-013	TENNANT, DELILA	Chesapeake Appalachia, L.L.C.	12.5% or Greater	120	769
P		Chesapeake Appalachia, L.L.C.	Northeast Natural Energy LLC		120	769
P	WV-061-002332-020	TENNANT, RUSSEL	Northeast Natural Energy LLC	12.5% or Greater	1612	626
P	WV-061-002332-019	VARNER, GERALDI	Northeast Natural Energy LLC	12.5% or Greater	1613	316
P	WV-061-002332-035	TROY, JENNIFER	Northeast Natural Energy LLC	12.5% or Greater	1660	392
P	WV-061-002332-036	TROY, VERNON	Northeast Natural Energy LLC	12.5% or Greater	1671	358
P	WV-061-002332-028	TAYLOR, HOPE L.	Northeast Natural Energy LLC	12.5% or Greater	1628	391
P	WV-061-002332-029	ROBEY, JASON D	Northeast Natural Energy LLC	12.5% or Greater	1628	393
P	WV-061-002332-021	WHITE, LISA D.	Northeast Natural Energy LLC	12.5% or Greater	1620	469

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Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
P	WV-061-002332-032	ROBEY, ROBERT B	Northeast Natural Energy LLC	12.5% or Greater	1630	191
P	WV-061-004153-001	BRUMMAGE, TERRY	Northeast Natural Energy LLC	12.5% or Greater	1579	588
P	WV-061-002566-002	TENNANT, BERNIC	Chesapeake Appalachia, L.L.C.	12.5% or Greater	1426	757
P		Chesapeake Appalachia, L.L.C.	Northeast Natural Energy LLC		120	769
P	WV-061-002332-008	SIERS, RICHARD	Chesapeake Appalachia, L.L.C.	12.5% or Greater	1425	174
P		Chesapeake Appalachia, L.L.C.	Northeast Natural Energy LLC		120	769
P	WV-061-002332-009	GABELMAN, JANET	Chesapeake Appalachia, L.L.C.	12.5% or Greater	1425	170
P		Chesapeake Appalachia, L.L.C.	Northeast Natural Energy LLC		120	769
P	WV-061-002332-011	FLINT, RONALD	Chesapeake Appalachia, L.L.C.	12.5% or Greater	1425	162
P		Chesapeake Appalachia, L.L.C.	Northeast Natural Energy LLC		120	769
P	WV-061-002332-010	BESS, BARBARA	Chesapeake Appalachia, L.L.C.	12.5% or Greater	1425	166
P		Chesapeake Appalachia, L.L.C.	Northeast Natural Energy LLC		120	769
P	WV-061-002332-017	RILEY, JUDY K.	Northeast Natural Energy LLC	12.5% or Greater	1605	674
P	WV-061-002332-018	TENNANT, DANIEL	Northeast Natural Energy LLC	12.5% or Greater	1605	676
P	WV-061-002332-005	TENNANT, DAVID	Chesapeake Appalachia, L.L.C.	12.5% or Greater	1407	308
P		Chesapeake Appalachia, L.L.C.	Northeast Natural Energy LLC		120	769
P	WV-061-002332-007	TENNANT, JERRY	Chesapeake Appalachia, L.L.C.	12.5% or Greater	1425	307
P		Chesapeake Appalachia, L.L.C.	Northeast Natural Energy LLC		120	769
P	WV-061-002332-006	TENNANT, FLOYD	Chesapeake Appalachia, L.L.C.	12.5% or Greater	1454	702
P		Chesapeake Appalachia, L.L.C.	Northeast Natural Energy LLC		120	769
P	WV-061-002332-012	MOORE, RUBY & R	Chesapeake Appalachia, L.L.C.	12.5% or Greater	1421	355
P		Chesapeake Appalachia, L.L.C.	Northeast Natural Energy LLC		120	769
P	WV-061-002514-001	FRANCIS, SANDRA	Chesapeake Appalachia, L.L.C.	12.5% or Greater	1415	849
P		Chesapeake Appalachia, L.L.C.	Northeast Natural Energy LLC		120	769
P	WV-061-002332-022	TENNANT, EDGAR	Northeast Natural Energy LLC	12.5% or Greater	1623	1
P	WV-061-002332-025	TENNANT, WILLIA	Northeast Natural Energy LLC	12.5% or Greater	1628	385
P	WV-061-002332-034	TENNANT, LLOYD	Northeast Natural Energy LLC	12.5% or Greater	1638	484
P	WV-061-002332-030	HARRIS, LOUISE	Northeast Natural Energy LLC	12.5% or Greater	1628	395
P	WV-061-002332-031	ATHEY, SHELBY	Northeast Natural Energy LLC	12.5% or Greater	1634	494
P	WV-061-002332-027	ATHEY, DESTINY	Northeast Natural Energy LLC	12.5% or Greater	1628	389
P	WV-061-002332-026	JEWELL, DAWN ET	Northeast Natural Energy LLC	12.5% or Greater	1628	387
P	WV-061-002332-023	WILSON, LYNETTE	Northeast Natural Energy LLC	12.5% or Greater	1623	3
P	WV-061-002332-024	TENNANT, DOUGLA	Northeast Natural Energy LLC	12.5% or Greater	1623	5
Q	WV-061-001052-002	YOST HERITAGE	Northeast Natural Energy LLC	12.5% or Greater	1670	16
R	WV-061-003457-001	MM-MARCELLUS II	Northeast Natural Energy LLC	12.5% or Greater	1513	613
R	WV-061-005416-001	H3 LLC	Northeast Natural Energy LLC	12.5% or Greater	1641	432
R	WV-061-005127-001	KILLIMAYER, JOSEPH	Northeast Natural Energy LLC	12.5% or Greater	1629	788
R	WV-061-003457-003	FORTUNE DEVELOP	Northeast Natural Energy LLC	12.5% or Greater	1613	329
R	WV-061-004661-002	SHRINERS HOSPITAL	Northeast Natural Energy LLC	12.5% or Greater	136	40
R	WV-061-003457-002	THORNE, JAMES E	Northeast Natural Energy LLC	12.5% or Greater	1605	591

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Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
R	WV-061-004621-001	WESTHAWK MINERALS	Gulfport Energy Corporation	12.5% or Greater	1595	73
R		Gulfport Energy Corporation	Northeast Natural Energy LLC		134	217
S	WV-061-003457-001	MM-MARCELLUS II	Northeast Natural Energy LLC	12.5% or Greater	1513	613
S	WV-061-005416-001	H3 LLC	Northeast Natural Energy LLC	12.5% or Greater	1641	432
S	WV-061-005127-001	KILLIMAYER, JOSEPH	Northeast Natural Energy LLC	12.5% or Greater	1629	788
S	WV-061-003457-003	FORTUNE DEVELOP	Northeast Natural Energy LLC	12.5% or Greater	1613	329
S	WV-061-004661-002	SHRINERS HOSPITAL	Northeast Natural Energy LLC	12.5% or Greater	136	40
S	WV-061-003457-002	THORNE, JAMES E	Northeast Natural Energy LLC	12.5% or Greater	1605	591
S	WV-061-004621-001	WESTHAWK MINERALS	Gulfport Energy Corporation	12.5% or Greater	1595	73
S		Gulfport Energy Corporation	Northeast Natural Energy LLC		134	217
T	WV-061-003457-001	MM-MARCELLUS II	Northeast Natural Energy LLC	12.5% or Greater	1513	613
T	WV-061-005416-001	H3 LLC	Northeast Natural Energy LLC	12.5% or Greater	1641	432
T	WV-061-005127-001	KILLIMAYER, JOSEPH	Northeast Natural Energy LLC	12.5% or Greater	1629	788
T	WV-061-003457-003	FORTUNE DEVELOP	Northeast Natural Energy LLC	12.5% or Greater	1613	329
T	WV-061-004661-002	SHRINERS HOSPITAL	Northeast Natural Energy LLC	12.5% or Greater	136	40
T	WV-061-003457-002	THORNE, JAMES E	Northeast Natural Energy LLC	12.5% or Greater	1605	591
T	WV-061-004621-001	WESTHAWK MINERALS	Gulfport Energy Corporation	12.5% or Greater	1595	73
T		Gulfport Energy Corporation	Northeast Natural Energy LLC		134	217
U	WV-061-003566-001	HUMPHREY, CATHERINE	Northeast Natural Energy LLC	12.5% or Greater	1551	44
U	WV-061-003925-001	TENNANT, EDNA J	Northeast Natural Energy LLC	12.5% or Greater	1566	77
U	WV-061-003925-002	KERR, JANET R.	Northeast Natural Energy LLC	12.5% or Greater	1565	678
U	WV-061-003925-003	LIMING, DAVID L	Northeast Natural Energy LLC	12.5% or Greater	1564	410
U	WV-061-002854-001	HOWARD, DONNA L	Chesapeake Appalachia, L.L.C.	12.5% or Greater	1425	363
U		Chesapeake Appalachia, L.L.C.	Northeast Natural Energy LLC		120	769
U	WV-061-003909-001	SHUMAN, INC.	Northeast Natural Energy LLC	12.5% or Greater	1564	404
U	WV-061-005316-001	GOODWIN, RONALD	Northeast Natural Energy LLC	12.5% or Greater	1638	637
V	WV-061-004348-001	MICHAEL, WILLIAM	Northeast Natural Energy LLC	12.5% or Greater	1575	706
V	WV-061-004348-002	KENNEDY, ASEL	Northeast Natural Energy LLC	12.5% or Greater	1588	706
W	WV-061-004246-001	KNISLEY, WILLIAM	Northeast Natural Energy LLC	12.5% or Greater	1569	211
X	WV-061-003749-001	COSNER, SHEILA	Northeast Natural Energy LLC	12.5% or Greater	1554	689
X	WV-061-003749-002	EDDY, RONALD L	Northeast Natural Energy LLC	12.5% or Greater	1558	827
X	WV-061-004696-001	RAIKES, CHARLES	Northeast Natural Energy LLC	12.5% or Greater	1605	310
Y	WV-061-003749-001	COSNER, SHEILA	Northeast Natural Energy LLC	12.5% or Greater	1554	689
Y	WV-061-003749-002	EDDY, RONALD L	Northeast Natural Energy LLC	12.5% or Greater	1558	827
Y	WV-061-004696-001	RAIKES, CHARLES	Northeast Natural Energy LLC	12.5% or Greater	1605	310

Oil and Gas
APR 06 2020
WV Department of
Environmental Protection



March 27, 2020

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

RE: Bunner 4H

Dear Permit Reviewer:

Please be advised that Northeast Natural Energy LLC has the right to drill, extract and produce the minerals beneath the roads identified as Upper Days Run Rd, Daybrook Rd., Yank Hollow Rd, and Statler Run Rd.

Sincerely,

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

Charles Dornetto
Manager – Land Operations

Enclosure

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

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

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

Date of Notice Certification: 03/27/2020

API No. 47- _____
Operator's Well No. 4H
Well Pad Name: Bunner

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>567112.2</u>
County: <u>Monongalia</u>		Northing: <u>4390590.0</u>
District: <u>Clay</u>	Public Road Access: <u>Upper Days Run Rd./ CR 18</u>	
Quadrangle: <u>Blacksville, WV</u>	Generally used farm name: <u>Bunner</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.

<p>Pursuant to West Virginia Code § 22-6A, the Operator has attached proof to this Notice Certification that the Operator has properly served the required parties with the following:</p> <p>*PLEASE CHECK ALL THAT APPLY</p> <p><input type="checkbox"/> 1. NOTICE OF SEISMIC ACTIVITY or <input checked="" type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED</p> <p><input checked="" type="checkbox"/> 2. NOTICE OF ENTRY FOR PLAT SURVEY or <input type="checkbox"/> NO PLAT SURVEY WAS CONDUCTED</p> <p><input checked="" type="checkbox"/> 3. NOTICE OF INTENT TO DRILL or <input type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or</p> <p><input type="checkbox"/> WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH)</p> <p><input checked="" type="checkbox"/> 4. NOTICE OF PLANNED OPERATION</p> <p><input checked="" type="checkbox"/> 5. PUBLIC NOTICE</p> <p><input checked="" type="checkbox"/> 6. NOTICE OF APPLICATION</p>	<p>OOG OFFICE USE ONLY</p> <p><input type="checkbox"/> RECEIVED/ NOT REQUIRED</p> <p><input type="checkbox"/> RECEIVED</p> <p><input type="checkbox"/> RECEIVED/ NOT REQUIRED</p> <p><input type="checkbox"/> RECEIVED</p> <p><input type="checkbox"/> RECEIVED</p> <p><input type="checkbox"/> RECEIVED</p> <p>RECEIVED Office of Oil and Gas</p>
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APR 06 2020

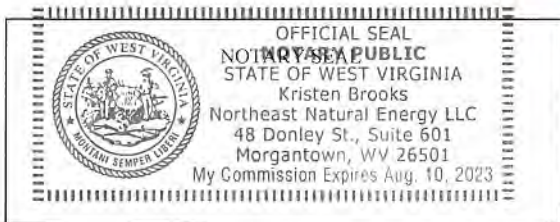
Required Attachments:

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.

Well Operator:	<u>Northeast Natural Energy, LLC</u>	Address:	<u>707 Virginia St, E, Suite 1200</u>
By:	<u>Hollie Medley</u>		<u>Charleston, WV 25301</u>
Its:	<u>Regulatory Manager</u>	Facsimile:	<u>304-241-5972</u>
Telephone:	<u>304-241-5752</u>	Email:	<u></u>



Hollie Medley
 Subscribed and sworn before me this 3rd day of April, 2020
Kristen Brooks Notary Public
 My Commission Expires August 10, 2023

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and 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
 APR 06 2020
 WV Department of
 Environmental Protection

WW-6A
(9-13)

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API NO. 47- -
OPERATOR WELL NO. 4H
Well Pad Name: Bunner

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

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

Date of Notice: 3/27/20 Date Permit Application Filed: 4/6/20

Notice of:

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

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

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

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

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

SURFACE & COAL OWNER

Name: Patricia A. Bunner
Address: 15 Devine Road
Fairview, WV 26570

Name: _____
Address: _____

SURFACE OWNER(s) (Road and/or Other Disturbance)

Name: _____
Address: _____

Name: _____
Address: _____

SURFACE OWNER(s) (Impoundments or Pits)

Name: _____
Address: _____

COAL OWNER

Name: ERP Federal Mining Complex, LLC
Address: P.O. Box 87
Natural Bridge, VA 24578

COAL OWNER

Name: Consol Mining Company
Address: 1000 Consol Energy Drive
Canonsburg, PA 15317

SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)

Name: Roger & Joyce Williams Trust
Address: 2318 Daybrook Rd
Fairview, WV 26570

OPERATOR OF ANY NATURAL GAS STORAGE FIELD

Name: _____
Address: _____

*Please attach additional forms if necessary

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

WW-6A
(8-13)

API NO. 47- _____
OPERATOR WELL NO. 4H _____
Well Pad Name: Bunner

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 or water purveyor that he or she can obtain from the Chief a list of water testing laboratories in the subject area capable of and qualified to test water supplies in accordance with standard acceptable methods.

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

Well Location Restrictions

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

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WW-6A
(8-13)

API NO. 47- _____ - _____
OPERATOR WELL NO. 4H _____
Well Pad Name: Bunner

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 5th St. SE
Charleston, WV 25304
(304) 926-0450

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

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(8-13)

API NO. 47- _____ - _____
OPERATOR WELL NO. 4H _____
Well Pad Name: Bunner

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)

API NO. 47- _____ - _____
OPERATOR WELL NO. 4H _____
Well Pad Name: Burner

Notice is hereby given by:

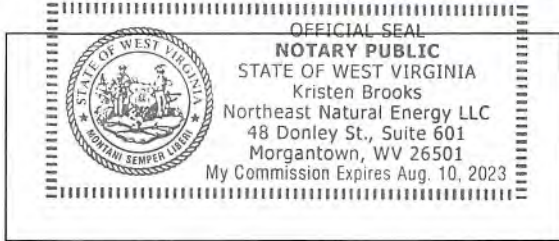
Well Operator: Northeast Natural Energy LLC
Telephone: 304-241-5752
Email: _____

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 deprivacyofficer@wv.gov.

Hall: Mealy



Subscribed and sworn before me this 27th day of March, 2020

Kristen Brooks Notary Public

My Commission Expires Aug. 10, 2023

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**BUNNER
WATER WELL EXHIBIT
SCALE - (1"=600')**



LAT: 39.8694
LON: 80.2094

PATRICIA A. BUNNER
55.17 ACRES
TAX MAP & PARCEL
31-04-0017-0098-0000

1,500'

COLIN R. HOPKINS, LLC
88.65 TOTAL ACRES
TAX MAP & PARCEL
31-04-0017-0098-0000

MARTHA TENNANT
33.97 TOTAL ACRES
TAX MAP & PARCEL
31-04-0017-0098-0000

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WW-6A3
(1/12)Operator Well No. Bunner Pad

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

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

Date of Notice: 7/25/2019 **Date of Planned Entry:** 8/5/2019

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: Patricia A Bunner
Address: 15 Devine Rd
Fairview, WV 26570

Name: _____
Address: _____

Name: _____
Address: _____

COAL OWNER OR LESSEE

Name: _____
Address: _____

MINERAL OWNER(s)

Name: _____
Address: _____

*please attach additional forms if necessary

Notice is hereby given:

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

State: <u>West Virginia</u>	Approx. Latitude & Longitude: <u>Dunkard Creek</u>
County: <u>Monongalia</u>	Public Road Access: <u>CR 25/2</u>
District: <u>Clay</u>	Watershed: <u>Dunkard Creek</u>
Quadrangle: <u>Blacksville</u>	Generally used farm name: <u>Bunner</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: 304-241-5752
Email: _____

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

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Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

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: 7/25/2019 Date of Planned Entry: 8/5/2019

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: Daybrook Church of Christ
Address: 14 Upper Days Run
Fairview, WV 26570

Name: _____
Address: _____

Name: _____
Address: _____

COAL OWNER OR LESSEE

Name: _____
Address: _____

MINERAL OWNER(s)

Name: _____
Address: _____

*please attach additional forms if necessary

Notice is hereby given:

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

State: <u>West Virginia</u>	Approx. Latitude & Longitude: <u>Dunkard Creek</u>
County: <u>Monongalia</u>	Public Road Access: <u>CR 25/2</u>
District: <u>Clay</u>	Watershed: <u>Dunkard Creek</u>
Quadrangle: <u>Blacksville</u>	Generally used farm name: <u>Bunner</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: 304-241-5752
Email: _____

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

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Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

WW-6A3
(1/12)

Operator Well No. Bunner Pad

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

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

Date of Notice: 7/25/2019 **Date of Planned Entry:** 8/5/2019

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: Angela L Chisler
Address: 153 Blue Goose Rd
Fairview, WV 26570

Name: _____
Address: _____

Name: _____
Address: _____

COAL OWNER OR LESSEE

Name: _____
Address: _____

MINERAL OWNER(s)

Name: _____
Address: _____

*please attach additional forms if necessary

Notice is hereby given:

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

State:	<u>West Virginia</u>	Approx. Latitude & Longitude:	<u>Dunkard Creek</u>
County:	<u>Monongalia</u>	Public Road Access:	<u>CR 25/2</u>
District:	<u>Clay</u>	Watershed:	<u>Dunkard Creek</u>
Quadrangle:	<u>Blacksville</u>	Generally used farm name:	<u>Bunner</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: 304-241-5752
Email: _____

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

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Oil and Gas Privacy Notice:

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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: 03/27/2020 **Date Permit Application Filed:** 04/06/2020

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: Patricia A. Bunner
 Address: 15 Devine Road
Fairview, WV 26570

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 Easting: <u>567112.2</u>
County: <u>Monongalia</u>	Northing: <u>4390590.0</u>
District: <u>Clay</u>	Public Road Access: <u>Upper Days Run Rd/ CR 18</u>
Quadrangle: <u>Blacksville, WV</u>	Generally used farm name: <u>Bunner</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: 304-241-5752
 Email: _____
 Facsimile: 304-241-5972

Authorized Representative: Hollie Medley
 Address: 48 Donley St, Suite 601
Morgantown, WV 26501
 Telephone: 304-212-0422
 Email: _____
 Facsimile: 304-241-5972

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 Office of Oil and Gas
 APR 06 2020
 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.

5981019027

Operator Well No: Bunner 4H
4706101865

WW-6A5
(1/12)

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: 03/27/2020 **Date Permit Application Filed:** 04/06/2020

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

CERTIFIED MAIL RETURN RECEIPT REQUESTED HAND 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: Patricia A. Bunner Name: _____
Address: 15 Devine Road Address: _____
Fairview, WV 26570

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: 567112.2
County: Monongalia Northing: 4390590.0
District: Clay Public Road Access: Upper Days Run Rd/ CR 18
Quadrangle: Blacksville Generally used farm name: Bunner
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: 304-241-5752
Email: _____

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

RECEIVED
Office of Oil and Gas
APR 06 2020

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.

WV Department of Environmental Protection

4706101865



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

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

Byrd E. White, III
Secretary of Transportation/
Commissioner of Highways

April 2, 2020

Jimmy Wriston, P. E.
Deputy Secretary/
Deputy Commissioner

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 Bunner Pad, Monongalia County
Bunner 4H

Dear Mr. Martin,

This well site will be accessed from a DOH permit #04-2019-0982 which has been issued to Northeast Natural Energy for access to the State Road for a well site located off Monongalia County Route 18 SLS.

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.

Very Truly Yours,

A handwritten signature in blue ink that reads "Gary K. Clayton".

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

Cc: Hollie Medley
Northeast Natural Energy
CH, OM, D-6
File

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

4706101865

Planned Additives to be used in Fracturing Stimulations

Trade Name	Purpose	Ingredients	Cemical Abstract Service Number (CAS#)
Water	Carrier	Water	7732-18-5
HCl, 10.1-15%	Acidizing	Hydrochloric Acid Water	7647-01-0 7732-18-5
Alpha 1427	Biocide	Alkyl Dimethyl Benzyl Ammonium Chloride (C12-16) Ethanol Glutaraldehyde Quaternary Ammonium Chloride Water	68424-85-1 64-17-5 111-30-8 7173-51-5 7732-18-5
Enzyme G-NE	Breaker	Hemicellulase Enzyme Concentrate Water	9025-56-3 7732-18-5
Cl-14	Corrosion Inhibitor	Fatty Acids Methanol Olefin Polyzoalkylenes 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

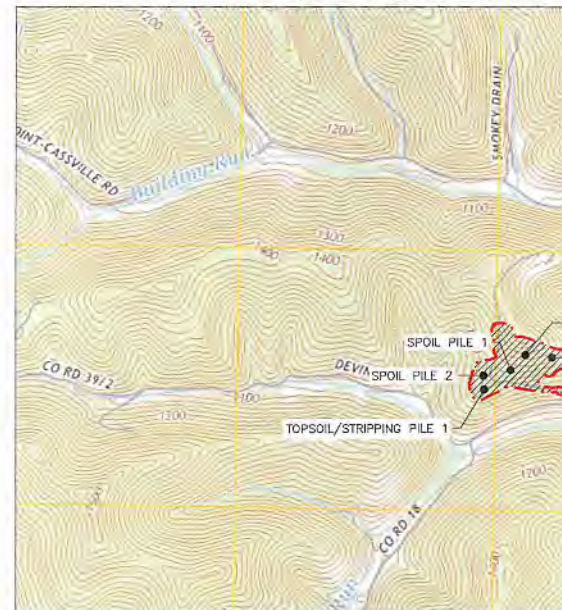
RECEIVED
Office of Oil and Gas
APR 06 2020
Department of
Environmental Protection

BUNNER WE SITE PL NORTHEAST NATU

LAT./LONG: N 39.662601°
(APPROXIMATE CENTER)

LOCAL EMERGENCY SERVICES		
	NAME	TELEPHONE NO.
AMBULANCE		911
HOSPITAL EMERGENCY ROOM	J.W. RUBY MEMORIAL HOSPITAL	(304) 598-4000
FIRE DEPARTMENT		911
POLICE DEPARTMENT		911
POISON CONTRL. CENTER	WEST VIRGINIA POISON CENTER	(800) 222-1922

FLOOD PLAIN CONDITIONS	
DO SITE CONSTRUCTION ACTIVITIES TAKE PLACE IN FLOODPLAIN:	NO
PERMIT NEEDED FROM COUNTY FLOODPLAIN COORDINATOR:	NO
HEC-RAS STUDY COMPLETED:	N/A
FLOODPLAIN SHOWN ON DRAWINGS:	N/A
FIRM MAP NUMBER(S) FOR SITE:	54081C0079E
ACREAGE OF CONSTRUCTION IN FLOODPLAIN:	0.00 AC



LOCATION M
BLACKSVILLE USGS 7.
SCALE IN FEET
0 1,000
1 INCH = 1,000 FEET

PROJECT CONTACTS:

OPERATOR:
NORTHEAST NATURAL ENERGY LLC
48 DOILEY STREET, STE 501
MORGANTOWN, WV 26501

DAVE MCDUGAL - CIVIL ENGINEERING MANAGER
OFFICE: (304) 241-6752 CELL: (304) 441-5933

ENGINEER/SURVEYOR:
CIVIL & ENVIRONMENTAL CONSULTANTS, INC.
JOSEPH D. ROBINSON, PE - VICE PRESIDENT
OFFICE: (304) 933-3119 FAX: (304) 933-3327 CELL: (412) 388-2876

ENVIRONMENTAL:
CIVIL & ENVIRONMENTAL CONSULTANTS, INC.
JACQUELYN KESTER - PRINCIPAL
OFFICE: (304) 933-3119 FAX: (304) 933-3327 CELL: (304) 638-6000

GEOTECHNICAL:
CIVIL & ENVIRONMENTAL CONSULTANTS, INC.
KOW ESHUN - PROJECT MANAGER
OFFICE: (304) 933-3119 FAX: (304) 933-3327 CELL: (312) 774-4716

WEST VIRGINIA
CALL BEFORE YOU DIG!
WEST VIRGINIA STATE LAW REQUIRES THAT YOU CALL TWO BUSINESS DAYS BEFORE YOU DIG IN THE STATE OF WEST VIRGINIA. IT'S THE LAW!



VICINITY M
MONONGALIA COUNTY
SCALE IN FEET
0 1 MILE
1 INCH = 1 MILE

PLAN REPRODUCTION WARNING
THE PLANS HAVE BEEN CREATED ON ANSI D (22" X 34") SHEETS. FOR REDUCTIONS, REFER TO GRAPHIC SCALE.
THE PLANS HAVE BEEN CREATED FOR FULL COLOR PLOTTING. ANY SET OF THE PLANS THAT IS NOT PLOTTED IN FULL COLOR SHALL NOT BE CONSIDERED ADEQUATE FOR CONSTRUCTION PURPOSES.
WARNING INFORMATION MAY BE LOST IN COPYING AND/OR GRAY SCALE PLOTTING.

Gayne
Knitowski

P:\2019\180-241-CAD\DWG\180-241-CAD-000-018.DWG 18/07/2019 10:52 AM

WELL PAD PLAN NORtheast NATURAL ENERGY

WV-80.217606°
PROJECT



Digitally signed by
Gayne Knitowski
Date: 2020.04.01
09:37:23 -04'00'

TEMP WELL PAD
NORtheast NATURAL ENERGY
FINAL REVIEW SITE PLAN ISSUE 04/16/2020

SHEET INDEX

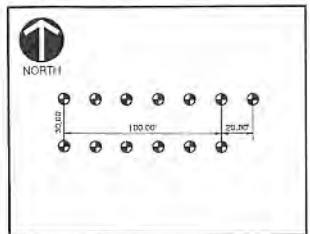
1. COVER SHEET	10. SITE PLAN	19. DETAILS
2. GENERAL NOTES	11. PROFILES AND SECTIONS	20. DETAILS
3. MATERIAL QUANTITIES	12. PROFILES AND SECTIONS	21. DETAILS
4. MASTER LEGEND	13. PROFILES AND SECTIONS	22. RECLAMATION PLAN
5. SITE SAFETY MAP	14. PROFILES AND SECTIONS	23. RECLAMATION PLAN
6. EXISTING CONDITIONS	15. PROFILES AND SECTIONS	24. RECLAMATION PLAN
7. ISOPACH MAP	16. PROFILES AND SECTIONS	
8. SITE PLAN	17. PROFILES AND SECTIONS	
9. SITE PLAN	18. DETAILS	

SITE LOCATIONS	WV83-NF (NORTH ZONE)		UTM83-17	
	LATITUDE	LONGITUDE	NORTHING	EASTING
MAIN ACCESS ROAD ENTRANCE	39.662097	-80.214312	4390549.281	567395.892
CENTROID OF WELL PAD	39.662601	-80.217606	4390602.828	567112.848

GRADING VOLUMES		
DESCRIPTION	CUT (CY)	FILL (CY)
MAIN ACCESS ROAD	14,569	1,309
WELL PAD	65,608	54,165
SPOIL-1	0	5,754
SPOIL-2	0	5,419
SPOIL-3	0	9,531
TOTAL	80,175	80,175
TOPSOIL / STRIPPING WITH 20% SWELL	(10,545 C.Y)	8,788 C.Y

L.O.D. AREAS	
DESCRIPTION	ACRES
MAIN ACCESS ROAD	5.53
WELL PAD	6.79
TOPSOIL/STRIPPING PILE 1	1.78
SPOIL PILE 1	0.45
SPOIL PILE 2	1.12
SPOIL PILE 3	1.44
TOTAL	17.11
WOODED	16.50

LIMITS OF DISTURBANCE PARCEL BREAK UPS - BUNNER WELL PAD MONONGALIA COUNTY, WEST VIRGINIA					
OWNER	TM-PARCEL	DEED-PAGE	TOTAL ACRES	TYPE OF DISTURBANCE	ACERAGE
WVDPH ROW				PARCEL INFORMATION	
				MAIN ACCESS ROAD	0.02
				PARCEL TOTAL	0.02
BUNNER, PATRICIA A.	18 - 32	E348 - 308	34.72	PARCEL INFORMATION	
				MAIN ACCESS ROAD	4.88
				WELL PAD	6.79
				TOPSOIL/STRIPPING PILE 1	1.78
				SPOIL PILE 1	0.45
				SPOIL PILE 2	1.12
				SPOIL PILE 3	1.44
PARCEL TOTAL	16.46				
BUNNER, PATRICIA A.	17 - 6.1	1321 - 239	1.00	PARCEL INFORMATION	
				MAIN ACCESS ROAD	0.63
				PARCEL TOTAL	0.63
				TOTAL	17.11



MINE INFORMATION	
MINE ID:	XXXXXXXX
MINE NAME:	XXXXXXXXXX
COMPANY:	XXXXXXXXXXXXXXXXXX

WELL RESTRICTIONS CHECKLIST (HORIZONTAL 6A WELL)	
AT LEAST 100 FEET FROM PAD AND LOD (INCLUDING ANY E&S CONTROL FEATURE) TO ANY PERENNIAL STREAM, LAKE, POND, RESERVOIR OR WETLAND:	YES
AT LEAST 300 FEET FROM PAD AND LOD (INCLUDING ANY E&S CONTROL FEATURE) TO ANY NATURALLY PRODUCING TROUT STREAM:	YES
AT LEAST 1000 FEET FROM PAD AND LOD (INCLUDING ANY E&S CONTROL FEATURE) TO ANY GROUNDWATER INTAKE OR PUBLIC WATER SUPPLY:	YES
AT LEAST 250 FEET FROM AN EXISTING WATER WELL OR DEVELOPED SPRING TO WELL BEING DRILLED:	YES
AT LEAST 500 FEET FROM AN OCCUPIED DWELLING STRUCTURE TO CENTER OF PAD:	YES
AT LEAST 625 FEET FROM AGRICULTURAL BUILDINGS LARGER THAN 2500 SQUARE FEET TO THE CENTER OF THE PAD:	YES

WELL HEAD LAYOUTS NOT TO SCALE



NO.	DATE	REVISION RECORD	DESCRIPTION

Civil & Environmental Consultants, Inc.
600 Marketplace Ave - Suite 200 - Bridgeport, WV 26330
Ph: 304.933.3119 - 855.486.5559 - Fax: 304.933.3927
www.cedcinc.com

**NORtheast NATURAL ENERGY
BUNNER WELL PAD
CLAY DISTRICT
MONONGALIA CO, WEST VIRGINIA**

COVER SHEET	
DATE:	DECEMBER 2019
DRAWN BY:	JDR
DWG SCALE:	AS SHOWN
CHECKED BY:	185-451
PROJECT NO.:	
APPROVED BY:	JDR

DRAWING NO.:
C000
SHEET 1 OF 24

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

APPROVED
WVDEP OOG
WV3 4/23/2020

BUNNER WELL PAD SITE PLAN NORTHEAST NATURAL ENERGY

LAT./LONG: N 39.662601° W -80.217606°
(APPROXIMATE CENTER OF PROJECT)

LOCAL EMERGENCY SERVICES		
	NAME	TELEPHONE NO
AMBULANCE		911
HOSPITAL EMERGENCY ROOM	J.W. RILEY MEMORIAL HOSPITAL	(304) 596-4300
FIRE DEPARTMENT		911
POLICE DEPARTMENT		911
POISON CONTROL CENTER	WEST VIRGINIA POISON CENTER	(800) 222-1222

FLOOD PLAIN CONDITIONS	
DO SITE CONSTRUCTION ACTIVITIES TAKE PLACE IN FLOODPLAIN	NO
PERMIT REQUIRED FROM COUNTY FLOODPLAIN COORDINATOR	NO
REGAS STUDY COMPLETED	N/A
FLOODPLAIN SHOWN ON DRAWINGS	N/A
FIRM MAP NUMBER(S) FOR SITE	54361 0025E
ADDRESS OF CONSTRUCTION IN FLOODPLAIN	0.0.0.0

PROJECT CONTACTS:

OPERATOR:
NORTHEAST NATURAL ENERGY LLC
4000 BRIDGE STREET, 17160
MORGANTOWN, WV 26501

DAVE MCCOY - CIVIL ENGINEERING MANAGER
PHONE: (304) 294-9353 FAX: (304) 294-9352

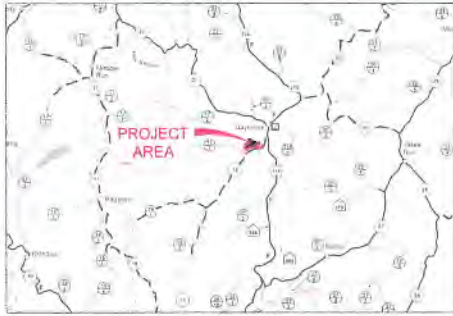
ENGINEER/SURVEYOR:
CIVIL & ENVIRONMENTAL CONSULTANTS, INC.
JOSEPH D. ROBINSON, P.E., VICE PRESIDENT
OFFICE: (204) 933-3119 FAX: (204) 933-3227 CELL: (408) 940-1885

ENVIRONMENTAL:
CIVIL & ENVIRONMENTAL CONSULTANTS, INC.
JACQUELYN KEATER - PRINCIPAL
OFFICE: (204) 933-3119 FAX: (204) 933-3227 CELL: (204) 693-8860

GEOTECHNICAL:
CIVIL & ENVIRONMENTAL CONSULTANTS, INC.
KYLE BISHOP - PROJECT MANAGER
OFFICE: (204) 933-3119 FAX: (204) 933-3227 CELL: (204) 677-4711



LOCATION MAP
BLACKSVILLE USGS 7.5' QUAD
SCALE IN FEET
0 1,000 2,000
1 INCH = 1,000 FEET



VICINITY MAP
MONONGALIA COUNTY ROAD MAP
SCALE IN FEET
0 1 MILE 2 MILES
1 INCH = 1 MILE

PLAN REPRODUCTION WARNING

THE PLANS HAVE BEEN CREATED ON A SERIES OF 24 SHEETS. FOR REDUCTIONS, REFER TO GRAPHIC SCALE.

THE PLANS HAVE BEEN CREATED FOR FULL COLOR PLOTTING. ANY SETS OF THE PLANS THAT IS NOT PLOTTED IN FULL COLOR SHALL NOT BE CONSIDERED ACCURATE FOR CONSTRUCTION PURPOSES.

WARNINGS INFORMATION MAY BE LOST IN COPYING AND/OR GRAY-SCALE PLOTTING.

SHEET INDEX

1. COVER SHEET	10. SITE PLAN	14. DETAILS
2. GENERAL NOTES	11. PROFILES AND SECTIONS	20. DETAILS
3. MATERIAL QUANTITIES	12. PROFILES AND SECTIONS	21. DETAILS
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7. SITE PLAN	16. PROFILES AND SECTIONS	
8. SITE PLAN	17. PROFILES AND SECTIONS	
9. SITE PLAN	18. DETAILS	

LOCATION COORDINATES

SITE LOCATIONS	WV3-NF (NORTH ZONE)		UTM83-17	
	LATITUDE	LONGITUDE	NORTHING	EASTING
MAIN ACCESS ROAD ENTRANCE	39.662607	-80.214312	4390549.281	567395.892
CENTROID OF WELL PAD	39.667601	-80.217606	4390602.828	567112.848

GRADING VOLUMES

DESCRIPTION	CUT (CY)	FILL (CY)
MAIN ACCESS ROAD	14,589	1,306
WELL PAD	85,606	54,165
SPOIL PILE 1	0	5,754
SPOIL PILE 2	0	5,419
SPOIL PILE 3	0	9,531
TOTAL	88,175	80,175

TOPSOIL / STRIPPING WITH 20% SWELL: {10,545 C.Y.} 8,788 C.Y.

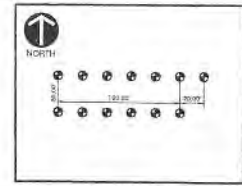
L.O.D. AREAS

DESCRIPTION	ACRES
MAIN ACCESS ROAD	5.53
WELL PAD	6.79
TOPSOIL/STRIPPING PILE 1	1.76
SPOIL PILE 1	0.45
SPOIL PILE 2	1.12
SPOIL PILE 3	1.44
TOTAL	17.11
WOODED	16.50

LIMITS OF DISTURBANCE PARCEL BREAK UPS - BUNNER WELL PAD

MONONGALIA COUNTY, WEST VIRGINIA

OWNER	TM-PARCEL	DEED-PAGE	TOTAL ACRES	TYPE OF DISTURBANCE	ACERAGE
WITCHROW				PARCEL INFORMATION	
				MAIN ACCESS ROAD	0.00
				PARCEL TOTAL	0.02
BUNNER, PATRICIA A.	18-72	2348-538	94.72	PARCEL INFORMATION	8.88
				MAIN ACCESS ROAD	6.79
				WELL PAD	6.79
				TOPSOIL/STRIPPING PILE 1	1.76
				SPOIL PILE 1	0.45
				SPOIL PILE 2	1.12
				SPOIL PILE 3	1.44
				PARCEL TOTAL	36.46
BUNNER, PATRICIA A.	17-61	1811-339	1.00	PARCEL INFORMATION	0.63
				MAIN ACCESS ROAD	0.63
				PARCEL TOTAL	0.61
				TOTAL	17.11



MNC INFORMATION

MINE ID	XXXXXX
MINE NAME	XXXXXXXXXX
COMPANY	XXXXXXXXXXXXXXXXXX

WELL RESTRICTIONS CHECKLIST (HORIZONTAL 6A WELL)

AT LEAST 150 FEET FROM PAD AND LCO (INCLUDING ANY EAS CONTROL FEATURES) TO ANY PERENNIAL STREAM, LAKE, POND, RESERVOIR OR WETLAND	YES
AT LEAST 300 FEET FROM PAD AND LCO (INCLUDING ANY EAS CONTROL FEATURES) TO ANY NATURALLY FLOWING TRIBUTARY STREAM	YES
AT LEAST 1200 FEET FROM PAD AND LCO (INCLUDING ANY EAS CONTROL FEATURES) TO ANY GEOL. WATER IN WKS OR PUBLIC WATER SUPPLY	YES
AT LEAST 80 FEET FROM AN EXISTING WATER WELL OR DEVELOPED SYSTEM TO WELL BING DRILLED	YES
AT LEAST 425 FEET FROM AN OCCUPIED DWELLING STRUCTURE TO CENTER OF PAD	YES
AT LEAST 80 FEET FROM A CULTURAL RESOURCE LARGER THAN 2500 SQUARE FEET TO THE CENTER OF THE PAD	YES



REVISION RECORD

NO.	DATE	DESCRIPTION
1		
2		
3		
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Civil & Environmental Consultants, Inc.
600 Marketplace Ave., Suite 200 Bridgeport, WV 26330
PH: 304.933.3119 888.486.8259 Fax: 304.933.3227
www.ceci.com

**NORTHEAST NATURAL ENERGY
BUNNER WELL PAD
CLAY DISTRICT
MONONGALIA CO., WEST VIRGINIA**

COVER SHEET

DRAWN BY: [Name]
CHECKED BY: [Name]
DATE: [Date]
AS SHOWN UNLESS NOTED OTHERWISE

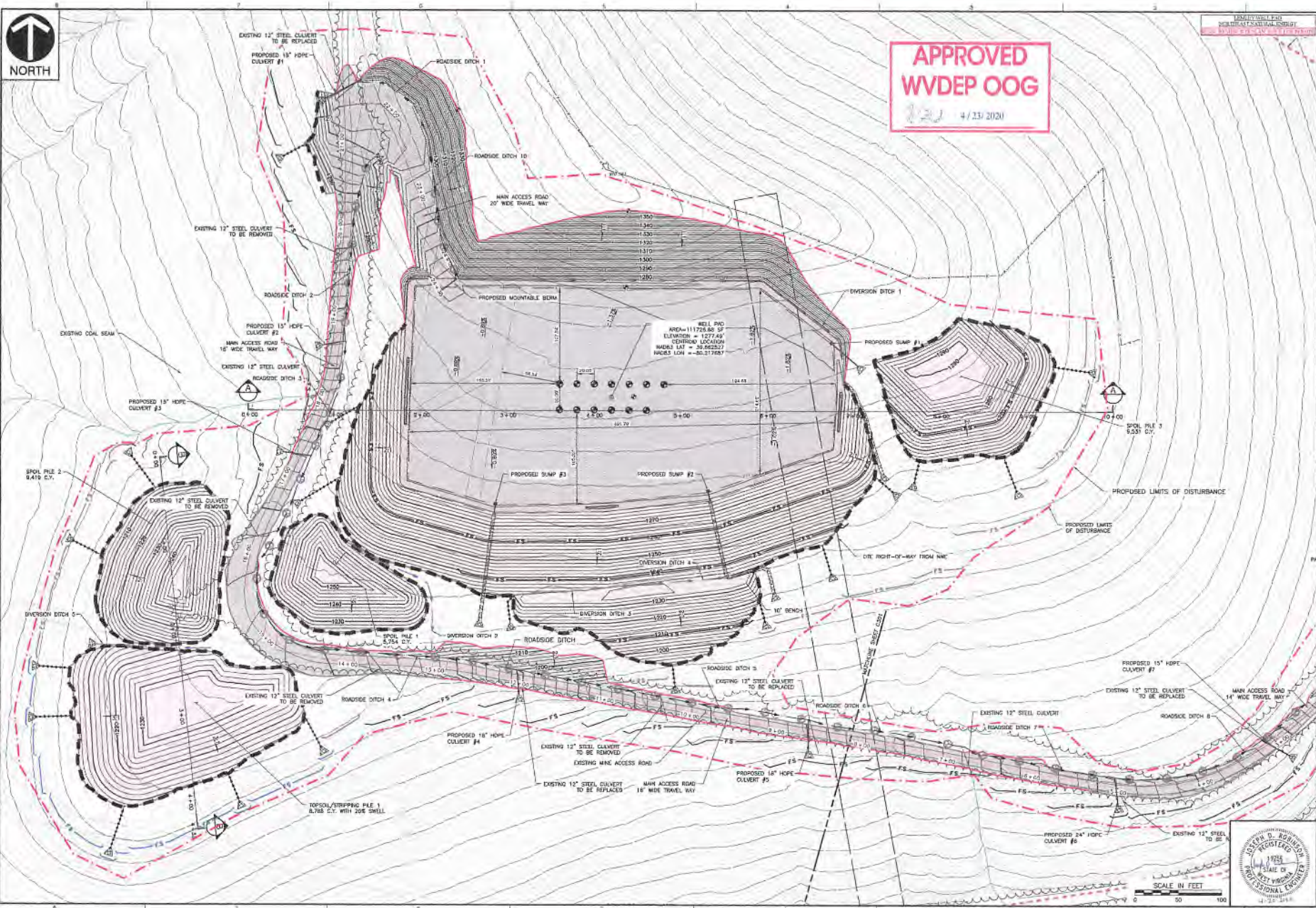
C000

SHEET 1 OF 24



APPROVED
WVDEP OOG
123 4/23/2020

LAND USE PLAN FOR
NORTHEAST NATURAL ENERGY
WELL PAD



WELL NO.
AREA=111726.88 SQ
ELEVATION = 1277.49'
CENTROID LOCATION
NAD83 LAT = 39.862527
NAD83 LONG = -80.517983

TOPSOIL/STRIPPING FILE 1
4.75' E.T. WITH 20% SWELL

SCALE IN FEET
0 50 100

REVISION RECORD

NO.	DATE	DESCRIPTION

CEC
Civil & Environmental Consultants, Inc.
600 Marketplace Ave. Suite 200 Bridgeport, WV 26330
PH: 304.833.3118 FAX: 304.833.3327
WWW.CEC-PA.COM

**NORTHEAST NATURAL ENERGY
BUNNER WELL PAD
CLAY DISTRICT
MONONGALIA CO., WEST VIRGINIA**

SITE PLAN

DATE	DESCRIPTION	DESIGNED BY	DWG. NO.

DATE: 10-14-11
AS SHOWN / CHECKED BY: JDR
PROJ. NO.: 108-411
DRAWN BY: JDR

DRAWING NO. **C302**

10 OF 24 SHEETS

