



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
(304) 926-0450
fax: (304) 926-0452

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

Friday, September 20, 2024
WELL WORK PERMIT
Horizontal 6A / New Drill

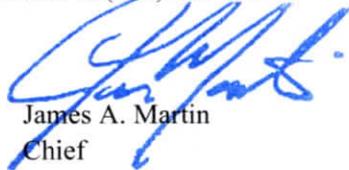
NORTHEAST NATURAL ENERGY LLC
707 VIRGINIA STREET EAST
STE 1200
CHARLESTON, WV 25301

Re: Permit approval for BUNNER 15H
47-061-01966-00-00

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 15H
Farm Name: PATRICIA A. BUNNER
U.S. WELL NUMBER: 47-061-01966-00-00
Horizontal 6A New Drill
Date Issued: 9/20/2024

Promoting a healthy environment.

09/20/2024

PERMIT CONDITIONS

West Virginia Code § 22-6A-8(d) allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

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

09/20/2024

WW-6B
(04/15)

4706101966
API NO. 47-061
OPERATOR WELL NO. 15H
Well Pad Name: Bunner

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: 15H Well Pad Name: Bunner

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

4) Elevation, current ground: NA Elevation, proposed post-construction: 1308'

5) Well Type (a) Gas Oil Underground Storage

Other

(b) If Gas Shallow Deep

Horizontal

6) Existing Pad: Yes or No No

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Marcellus, 8,027' (GL), 104', 4500 psi

8) Proposed Total Vertical Depth: 8,118'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 25,785'

11) Proposed Horizontal Leg Length: 16,116'

12) Approximate Fresh Water Strata Depths: 1,150'

13) Method to Determine Fresh Water Depths: Drillers Log from Offset Wells Bunner 6H (4706101869)

14) Approximate Saltwater Depths: 1,359'

15) Approximate Coal Seam Depths: 865'

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

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

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Gayne Knitowski, Inspector
Digitally signed by Gayne Knitowski, Inspector
Date: 2024.07.30 09:08:15 -04'00'

WW-6B
(04/15)

API NO. 47-061 **4706101966**

OPERATOR WELL NO. 15H

Well Pad Name: Bunner

18)

CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	24	New	NA	94.7	100'	100' ✓	113/GTS
Fresh Water	13-3/8	New	J-55	54.5	1,290'	1,260' ✓	CTS ✓
Coal							
Intermediate	9-5/8	New	J-55	36	2,570'	2,540' ✓	CTS
Production	5-1/2	New	P-110	20	25,785'	25,755' ✓	6,213
Tubing	2-7/8	New	P-110	6.5	NA	8000	NA
Liners							

Digitally signed by Gayne Knitowski, Inspector
Date: 2024.07.30 09:08:45 -04'00'

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	24	28	0.375	NA	NA	Type 1	1.18
Fresh Water	13-3/8	17-1/2	0.380	2730	500	Class A or L	1.19
Coal							
Intermediate	9-5/8	12-3/8	0.395	3520	2800	Class A or L	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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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 (built)

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.

NORTHEAST NATURAL ENERGY, LLC

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

Slot: Slot 15H
 Well: Bunner 15H
 Wellbore: Bunner 15H PWB



- Do not cross (any limiting boundary); red, bold, solid
- Lease boundary, advisory; black, bold, solid
- - - Regulatory boundary, advisory; black, bold, dashed
- - - Geologic boundary, advisory; blue, bold, dashed
- Geologic target boundary, advisory; blue, normal, solid
- Driller's target boundary, advisory; green, normal, solid
- - - Other type of boundary, advisory; green, bold, dashed

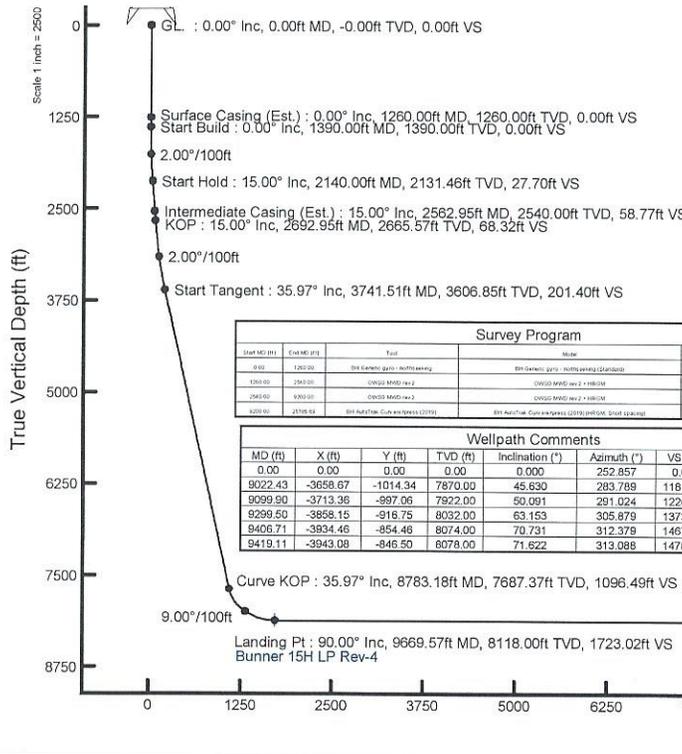
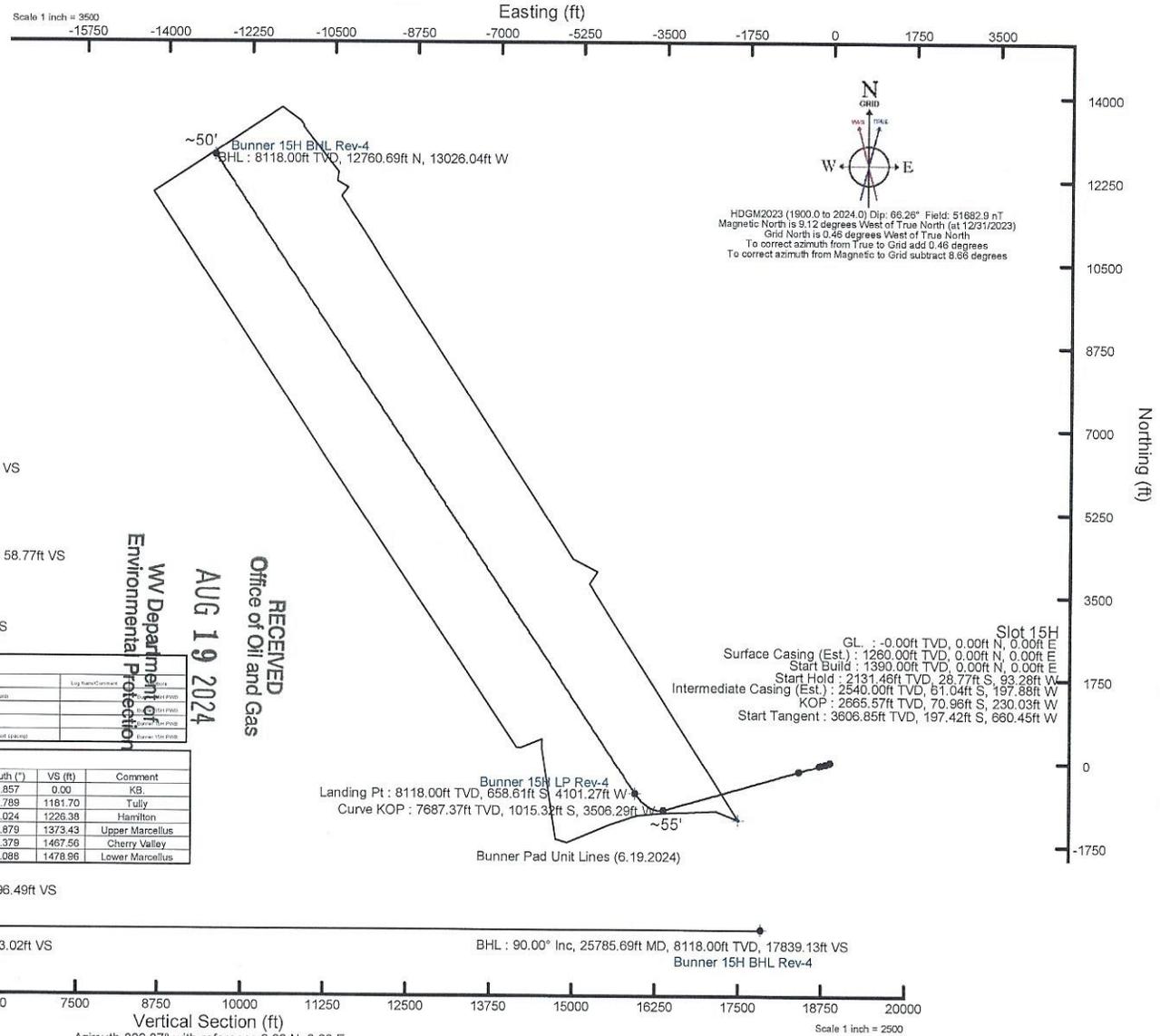
Well Name: Bunner 15H PWB	Well System: 15H217 (Lateral well system (P. Horizontal Zone #001), US Well)
Scale: 1 inch = 2000 ft	Scale: 1 inch = 2000 ft
Reference: 15H217 (Lateral well system (P. Horizontal Zone #001), US Well)	Scale: 1 inch = 2000 ft
Rig on Slot 15H (GL) Mean Sea Level: 1027 feet	Coordinates: 42°42'48.370" N, 80°13'3.6735" W
Mean Sea Level to Ground Level (At Slot: Slot 15H)	Depth: 0.00 feet
Local datum: Mean Sea Level (MSL)	Coordinates: 42°42'48.690" N, 80°13'4.4408" W
Local datum: Mean Sea Level (MSL)	Coordinates: 42°42'48.690" N, 80°13'4.4408" W

Location Information				
Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Bunner Pad	1766458.500	424248.370	39°39'45.2443"N	80°13'3.6735"W
Slot	Local N (ft)	Local E (ft)	Latitude	Longitude
Slot 15H	-50.00	1766538.500	39°39'45.2428"N	80°13'4.4408"W
Rig on Slot 15H (GL) to Ground Level (At Slot: Slot 15H)	0.00			
Mean Sea Level to Ground Level (At Slot: Slot 15H)	-1277.00			
Rig on Slot 15H (GL) to Mean Sea Level	1277.00			

Well Profile Data							
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (*/1000)
GL	0.00	0.00	252.857	0.00	0.00	0.00	0.00
Surface Casing (Est.)	1260.00	0.00	252.857	1260.00	0.00	0.00	0.00
Start Build	1390.00	0.00	252.857	1390.00	0.00	0.00	0.00
Start Hold	2140.00	15.00	252.857	2131.46	-28.77	-93.28	2.00
Intermediate Casing (Est.)	2562.95	15.00	252.857	2540.00	-81.04	-197.88	2.00
KOP	2692.95	15.00	252.857	2665.57	-70.96	-230.03	0.00
Start Tangent	3741.51	35.967	253.965	3606.85	-197.42	-650.45	2.00
Curve KOP	8783.18	35.967	253.965	7687.37	-1015.32	-3506.29	0.00
Landing Pt	9669.57	90.000	326.373	8118.00	-658.61	-4101.27	9.00
BHL	25785.69	90.000	326.373	8118.00	-13026.04	0.00	17839.13

Targets							
Name	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	Longitude
Bunner 15H Slot 15H	2126.16	0.000	1766.16	1766.16	0.00	0.00	80°13'3.6735" W
Bunner 15H Slot 15H	3663.57	0.000	1766.16	1766.16	0.00	0.00	80°13'3.6735" W
Bunner 15H Slot 15H	3663.57	0.000	1766.16	1766.16	0.00	0.00	80°13'3.6735" W

Hole and Casing Sections										
Name	Start MD (ft)	End MD (ft)	Interval (ft)	Start TVD (ft)	End TVD (ft)	Start Local N (ft)	Start Local E (ft)	End Local N (ft)	End Local E (ft)	Wellbore
17.5in Open Hole	0.00	1260.00	1260.00	0.00	1260.00	0.00	0.00	0.00	0.00	Bunner 15H PWB
13.375in Casing Surface	0.00	1260.00	1260.00	0.00	1260.00	0.00	0.00	0.00	0.00	Bunner 15H PWB
12.25in Open Hole	1260.00	2570.00	1260.00	1260.00	2540.00	0.00	0.00	-41.58	-199.63	Bunner 15H PWB
9.625in Casing Intermediate	0.00	2540.00	2540.00	0.00	2517.83	0.00	0.00	-59.29	-192.21	Bunner 15H PWB
8.75in Open Hole	2570.00	6200.00	3630.00	2546.81	7881.92	-61.58	-199.63	-962.98	-3285.80	Bunner 15H PWB
8.5in Open Hole	6200.00	25785.69	19585.69	7881.92	8118.00	-962.98	-3785.80	12760.69	-13026.04	Bunner 15H PWB
5.5in Casing Production	0.00	25785.69	25785.69	0.00	N/A	0.00	0.00	N/A	N/A	Bunner 15H PWB



Survey Program				
Start MD (ft)	End MD (ft)	Tool	Slide	Log Name/Comment
0.00	1260.00	SR Gamma/gps - north/south	SR Gamma/gps - north/south	SR Gamma/gps - north/south
1390.00	2140.00	SR Gamma/gps - north/south	SR Gamma/gps - north/south	SR Gamma/gps - north/south
2540.00	3741.51	SR Gamma/gps - north/south	SR Gamma/gps - north/south	SR Gamma/gps - north/south
8783.18	9669.57	SR Gamma/gps - north/south	SR Gamma/gps - north/south	SR Gamma/gps - north/south

Wellpath Comments						
MD (ft)	X (ft)	Y (ft)	TVD (ft)	Inclination (°)	Azimuth (°)	VS (ft)
0.00	0.00	0.00	0.00	0.000	252.857	0.00
8022.43	-3658.67	-1014.34	7870.00	45.630	283.789	1181.70
9059.00	-3713.36	-997.06	7922.00	50.091	291.024	1226.38
9299.50	-3858.15	-916.75	8032.00	63.153	305.879	1373.43
9406.71	-3934.46	-854.48	8074.00	70.731	312.379	1467.56
9419.11	-3943.08	-846.50	8078.00	71.622	313.088	1478.96

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4706101966

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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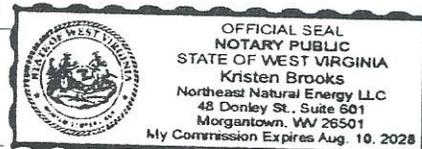
WV Department of
Environmental Protection

Subscribed and sworn before me this 22nd day of July, 2024, 20

Kristen Brooks

Notary Public

My commission expires Aug 10, 2028



09/20/2024

Form WW-9

Operator's Well No. Bunner 15H

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, Inspector Digitally signed by Gayne Knitowski, Inspector
Date: 2024.07.30
09:10:27 -0400

Comments: _____

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AUG 19 2024

Title: Inspector

Date: 7-30-2024

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Environmental Protection

Field Reviewed? Yes No

09/20/2024



northeast

NATURAL ENERGY

Bunner

Site Safety Plan

2024

Gayne Knitowski,
Inspector

Digitally signed by Gayne
Knitowski, Inspector
Date: 2024.07.30 09:13:54
-04'00'

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



LAT: 39.6694
LON: 80.2094

1,500'

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IOWA Department of
Environmental Protection

09/20/2024

WELL NAME: BUNNER 15H
BLACKSVILLE, WV

CLAY

WADESTOWN QUAD

BLACKSVILLE QUAD

BATTLE

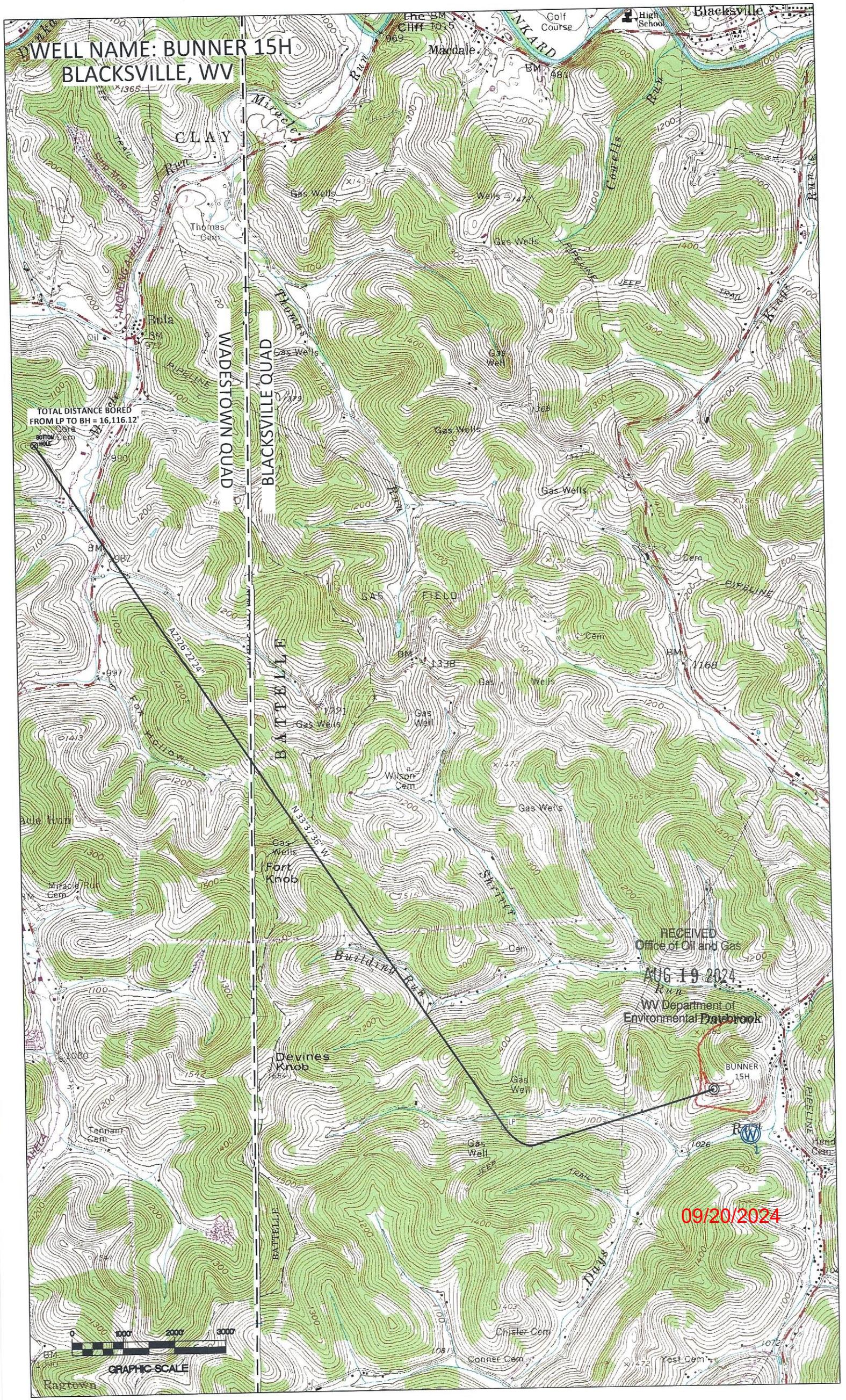
TOTAL DISTANCE BORED
FROM LP TO BH = 16,116.12'

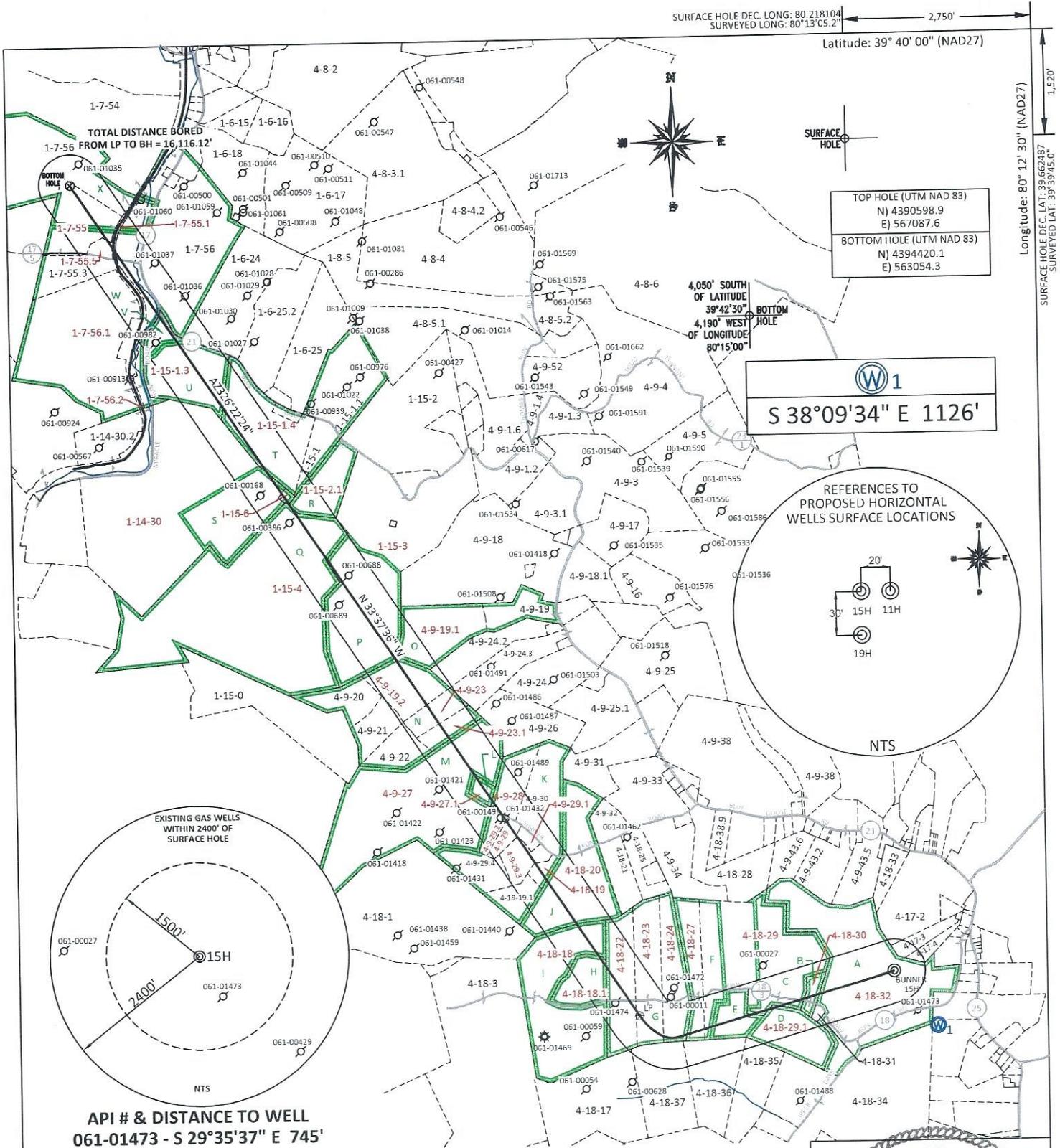
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GRAPHIC SCALE

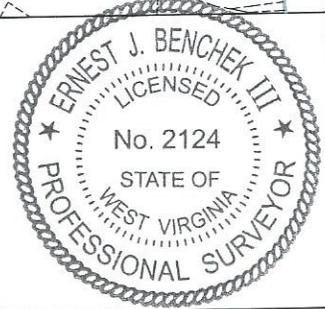




FILE #: NEE14
 DRAWING #: 4049
 SCALE: PLAT: 1" = 2200'
 TICK MARK: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY: 1/200
 PROVEN SOURCE OF ELEVATION: SUBMETER MAPPING GRADE GPS

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 WVDEP

OFFICE OF OIL & GAS
 601 57TH STREET
 CHARLESTON, WV 25304

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

WATERSHED: DUNKARD CREEK

COUNTY/DISTRICT: MONONGALIA / CLAY

SURFACE OWNER: PATRICIA A. BUNNER

OIL & GAS ROYALTY OWNER: PATRICIA BUNNER, et al

LEASE NUMBERS:

DATE: JULY 18, 2024

OPERATOR'S WELL #: BUNNER 15H

API WELL #: 47 STATE 61 COUNTY PERMIT 01966

AS-BUILT ELEVATION: 1,277.25'

QUADRANGLE: BLACKSVILLE, WV

ACREAGE: 91.93 +/-

ACREAGE: 1269.00 **09/20/2024**

TARGET FORMATION: MARCELLUS

WELL OPERATOR: NORTHEAST NATURAL ENERGY LLC

ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200

CITY: CHARLESTON STATE: WV ZIP CODE: 25301

ESTIMATED DEPTH: TVD: 8,118' TMD: 25,785.69'

DESIGNATED AGENT: JOHN ADAMS

ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200

CITY: CHARLESTON STATE: WV ZIP CODE: 25301

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

PROPERTY OWNER INDEX	
1-7-55	BRUCE & KAREN W HAUGHT
1-7-55.1	PENNSYLVANIA LINES LLC
1-7-55.5	DAVID R & CRYSTAL J SPEARS
1-7-56.1	RICHARD E SHRIVER
1-7-56.2	PENNSYLVANIA LINES LLC
1-14-30	FOX JOHN TRUST FOR BONNIE HUMBERTSON
1-15-1.3	WAYNE & SHEILA BLATT
1-15-1.4	GARY ROBBINS
1-15-2.1	GARY E ROBBINS
1-15-3	SHUMAN INC
1-15-4	STANDARD LAND CO LLC & ARKANSAS ENERGY PARTNERS LLC
1-15-6	ERP FEDERAL MINING COMPLEX LLC
4-9-19.1	JEFFREY & JODIE SHRIVER
4-9-19.2	JEFFREY & JODIE SHRIVER
4-9-23	EVERETT D WILSON, DOTTIE REESMAN & CINDY DONALDSON
4-9-23.1	HAMPTON D COTTRELL
4-9-27	RICHARD & SANDY FRANCIS
4-9-27.1	RICHARD & SANDY FRANCIS
4-9-28	BRADFORD A WILSON; CATHY DEMASI; TERRY MATTERN
4-9-29	PAULA & MATTHEW MCCLAIN
4-9-29.1	EDWARD BAEZ JR
4-9-29.2	MICHAEL RANDOLF AMMONS (LIFE TREVOR RANDOLPH AMMONS & KAYLA CAROLINE HAYES)
4-9-29.3	JESSE A AMMONS (LIFE-VIOLET)
4-18-18	PRUDENCE G BERRY TERESA TENNANT
4-18-18.1	GILBERT DONALD BERRY
4-18-19	CHARLES R MAYS
4-18-20	JERRY WILSON; JUDITH WILSON JEFREY; WILSON JANICE K WILSON; JAMES L WILSON, ET AL
4-18-22	MARK MYERS
4-18-23	CARMEL G BROOKOVER JR
4-18-24	DONNA JO & WEBSTER M VARNER
4-18-27	DONNA JO & WEBSTER M VARNER
4-18-29	GILBERT DONALD BERRY (LIFE-ROBERT E BERRY SR)
4-18-29.1	BILLY VON DEVINE
4-18-30	PRUDENCE G BERRY
4-18-32	PATRICIA A BUNNER

LEASE INDEX			
A	WV-061-004154-001	N	WV-061-005811-017
B	WV-061-005378-013	O	WV-061-005792-009
C	WV-061-005966-001	P	WV-061-006209-001
D	WV-061-005639-001	Q	WV-061-000209-001-ACT
E	WV-061-005917-001	R	WV-061-005893-001
F	WV-061-005890-001	S	WV-061-006061-002
G	WV-061-005935-006	T	WV-061-505825-001
H	WV-061-006254-004	U	WV-061-505825-001
I	WV-061-005931-001	V	WV-061-505825-001
J	WV-061-005403-015	W	WV-061-004400-001
K	WV-061-005826-001	X	WV-061-005844-001
L	WV-061-006359-002		
M	WV-061-006362-013		

09/20/2024

FILE #: NEE14

DRAWING #: 4049

SCALE: N/A

DATE: JULY 18, 2024

OPERATOR'S WELL #: BUNNER 15H

API WELL #: 47 61 01966
STATE COUNTY PERMIT

WW-6A1
(5/13)

Operator's Well No. Bunner 15H

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

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

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

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

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

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

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

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

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

4706101966

WW-6A1

Operators Well No. Bunner NORTHWEST 15H

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-061-005378-013	Darby Lynn McDonald	Northeast Natural Energy, LLC	12.5% or Greater	1688	581
B	WV-061-005378-002	Eleanor K. Kosienski	Northeast Natural Energy, LLC	12.5% or Greater	1638	666
B	WV-061-005361-001	Gary W. Spragg	Northeast Natural Energy, LLC	12.5% or Greater	1637	60
B	WV-061-005361-013	John T. Stanley	Northeast Natural Energy, LLC	12.5% or Greater	1660	358
B	WV-061-005378-006	Lois Evelyn Holder	Northeast Natural Energy, LLC	12.5% or Greater	1666	143
B	WV-061-005361-014	Lois Smith	Northeast Natural Energy, LLC	12.5% or Greater	1662	743
B	WV-061-005361-012	Martha Wilcox	Northeast Natural Energy, LLC	12.5% or Greater	1647	816
B	WV-061-005378-011	Micah Riggenbach	Northeast Natural Energy, LLC	12.5% or Greater	1673	297
B	WV-061-005378-012	Patricia Ann Virgili	Northeast Natural Energy, LLC	12.5% or Greater	1679	290
B	WV-061-005378-004	Paul Stebelton,	Northeast Natural Energy, LLC	12.5% or Greater	1664	727
B	WV-061-005361-016	Prudence G. Berry	Northeast Natural Energy, LLC	12.5% or Greater	1725	737
B	WV-061-005378-010	Rachel Asbury	Northeast Natural Energy, LLC	12.5% or Greater	1673	295
B	WV-061-005378-008	Rebekah Stebelton	Northeast Natural Energy, LLC	12.5% or Greater	1666	147
B	WV-061-005378-007	Sarah Brandt	Northeast Natural Energy, LLC	12.5% or Greater	1666	145
B	WV-061-005378-009	Shelba Stebelton Roach	Northeast Natural Energy, LLC	12.5% or Greater	1666	149
B	WV-061-005378-003	Shirley Ann Blalock	Northeast Natural Energy, LLC	12.5% or Greater	1664	725
B	WV-061-005378-005	Terry Spivey	Northeast Natural Energy, LLC	12.5% or Greater	1666	141
C	WV-061-005966-001	Shelba Jean Roach	Northeast Natural Energy, LLC	12.5% or Greater	1779	117
D	WV-061-005639-001	Billy Von Devine	Northeast Natural Energy, LLC	12.5% or Greater	1697	764
E	WV-061-005917-001	Billy Von Devine	Northeast Natural Energy, LLC	12.5% or Greater	1781	541
F	WV-061-005890-001	Ridgetop Appalachia LLC	Northeast Natural Energy, LLC	12.5% or Greater	1775	558
F	WV-061-005826-001	Equinor USA Onshore Properties Inc	Northeast Natural Energy, LLC	12.5% or Greater	1761	150
G	WV-061-005935-006	Stephen A. Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1793	402
H	WV-061-006254-004	Glibert Donald Berry	EQT Production Company	12.5% or Greater	1508	669
		EQT Production Company	Northeast Natural Energy, LLC	Assignment Book	161	198
I	WV-061-005931-001	Prudence Gail Berry	Northeast Natural Energy, LLC	12.5% or Greater	1775	496
J	WV-061-005403-015	Richard N. Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1795	329
J	WV-061-005403-021	David L. Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1805	125
J	WV-061-005403-017	Amelia Ellen Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1794	620
J	WV-061-005403-018	Allen K. Moore	Northeast Natural Energy, LLC	12.5% or Greater	1794	618
J	WV-061-005403-019	Ken R. Moore	Northeast Natural Energy, LLC	12.5% or Greater	1795	327
J	WV-061-005403-017	Lana K. Wade	Northeast Natural Energy, LLC	12.5% or Greater	1795	325
J	WV-061-005403-019	Cathy Demasi	Northeast Natural Energy, LLC	12.5% or Greater	1637	145
J	WV-061-005403-020	Terry Mattern	Northeast Natural Energy, LLC	12.5% or Greater	1797	336
J	WV-061-005403-018	Bradford A. Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1797	35
J	WV-061-005403-023	Bonnie Sue Morris	Northeast Natural Energy, LLC	12.5% or Greater	1979	37
J	WV-061-005403-021	Kathleen Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1795	65
J	WV-061-005403-002	Freddie W. Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1641	807
K	WV-061-005826-001	Equinor USA Onshore Properties Inc.	Northeast Natural Energy, LLC	12.5% or Greater	1761	150
K	WV-061-005890-001	Ridgetop Appalachia LLC	Northeast Natural Energy, LLC	12.5% or Greater	1775	534
L	WV-061-006359-002	Steven W. Tuttle	Northeast Natural Energy, LLC	12.5% or Greater	1825	317

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Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
L	WV-061-006363-002	Susan M. Ash	Northeast Natural Energy, LLC	12.5% or Greater	1812	362
L	WV-061-006363-003	Beverly Boyce	Northeast Natural Energy, LLC	12.5% or Greater	1812	364
M	WV-061-006362-013	Judith J. Radcliff	Northeast Natural Energy, LLC	12.5% or Greater	1812	322
M	WV-061-006362-014	Dollie Sumpter	Northeast Natural Energy, LLC	12.5% or Greater	1812	324
M	WV-061-006362-016	Mary Masters	Northeast Natural Energy, LLC	12.5% or Greater	1812	348
M	WV-061-006362-012	Bonnie Curtis	Northeast Natural Energy, LLC	12.5% or Greater	1812	348
M	WV-061-006362-017	Robert Lee Lloyd	Northeast Natural Energy, LLC	12.5% or Greater	1812	350
M	WV-061-006362-015	John Michael Lloyd	Northeast Natural Energy, LLC	12.5% or Greater	1812	326
M	WV-061-006362-020	Mark Bradley Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1812	359
M	WV-061-006359-002	Steven W. Tuttle	Northeast Natural Energy, LLC	12.5% or Greater	1825	317
M	WV-061-006362-004	Cheryl Diane Gregerson	Northeast Natural Energy, LLC	12.5% or Greater	1812	318
M	WV-061-006362-019	Sharon Lynn Margevicius	Northeast Natural Energy, LLC	12.5% or Greater	1812	352
M	WV-061-006362-001	Peggy Bultema	Northeast Natural Energy, LLC	12.5% or Greater	1809	845
M	WV-061-006362-011	Kristin VanSolkema	Northeast Natural Energy, LLC	12.5% or Greater	1810	691
M	WV-061-006362-002	Tammy J. Freedman	Northeast Natural Energy, LLC	12.5% or Greater	1810	675
M	WV-061-006363-002	Susan M. Ash	Northeast Natural Energy, LLC	12.5% or Greater	1812	362
M	WV-061-006363-003	Beverly Boyce	Northeast Natural Energy, LLC	12.5% or Greater	1812	364
M	WV-061-006362-007	Janet Villarreal	Northeast Natural Energy, LLC	12.5% or Greater	1810	687
M	WV-061-006362-009	Chester A. Shuman Jr.	Northeast Natural Energy, LLC	12.5% or Greater	1810	705
M	WV-061-006362-006	James W. Shuman	Northeast Natural Energy, LLC	12.5% or Greater	1810	700
M	WV-061-006362-005	David L. Shuman	Northeast Natural Energy, LLC	12.5% or Greater	1810	695
M	WV-061-006393-001	Barbara P. Palmer	Northeast Natural Energy, LLC	12.5% or Greater	1816	421
M	WV-061-006362-008	Sylvia J. Tuttle	Northeast Natural Energy, LLC	12.5% or Greater	1810	683
M	WV-061-006362-010	Barbara Moore Pettit	Northeast Natural Energy, LLC	12.5% or Greater	1810	679
N	WV-061-005811-017	Ridgetop Royalties LLC	Northeast Natural Energy, LLC	12.5% or Greater	1809	819
N	WV-061-005811-013	Judy L. Johnson-Ward	Northeast Natural Energy, LLC	12.5% or Greater	1805	163
N	WV-061-005811-015	Cassie Humphries	Northeast Natural Energy, LLC	12.5% or Greater	1806	360
N	WV-061-005811-016	Abby Beattie	Northeast Natural Energy, LLC	12.5% or Greater	1806	358
N	WV-061-006085-004	Pandora Sue Simmons	Northeast Natural Energy, LLC	12.5% or Greater	1795	190
N	WV-061-006085-005	Charlotte R. Hamilton	Northeast Natural Energy, LLC	12.5% or Greater	1797	81
N	WV-061-006085-003	Jennifer L. Wright	Northeast Natural Energy, LLC	12.5% or Greater	1795	279
N	WV-061-006085-001	Lance L. Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1793	452
N	WV-061-006085-002	Robert Jeff Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1795	281
N	WV-061-006101-001	P&P Fujimo LLC	Northeast Natural Energy, LLC	12.5% or Greater	1773	497
N	WV-061-005811-011	Janine L. Bradley	Northeast Natural Energy, LLC	12.5% or Greater	1795	188
N	WV-061-005992-001	Brian K. Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1788	589
N	WV-061-005811-001	Gary L. Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1788	573
N	WV-061-005811-018	Warren E. Barth	Northeast Natural Energy, LLC	12.5% or Greater	1795	186
N	WV-061-005811-019	Regina L. Black	Northeast Natural Energy, LLC	12.5% or Greater	1807	567
N	WV-061-005992-001	Christopher Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1793	430
N	WV-061-005992-002	Steven Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1789	332
N	WV-061-005992-001	Susan Rockwell	Northeast Natural Energy, LLC	12.5% or Greater	1785	190
N	WV-061-005992-010	LeeAnn Shumiloff	Northeast Natural Energy, LLC	12.5% or Greater	1793	456
N	WV-061-005811-019	Traci Jean Stewart Poffenberger	Northeast Natural Energy, LLC	12.5% or Greater	1809	821
N	WV-061-005992-005	Deken Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1789	478

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Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
N	WV-061-005992-006	Justin Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1789	480
N	WV-061-005992-002	Marcia Lea Wilson Began	Northeast Natural Energy, LLC	12.5% or Greater	1785	192
N	WV-061-005811-012	Catherine Faye May	Northeast Natural Energy, LLC	12.5% or Greater	1789	656
N	WV-061-006097-001	Sharon Marie Flann	Northeast Natural Energy, LLC	12.5% or Greater	1793	483
N	WV-061-005992-008	Amber Cubberley	Northeast Natural Energy, LLC	12.5% or Greater	1793	432
N	WV-061-005811-007	Tiffany Thomas	Northeast Natural Energy, LLC	12.5% or Greater	1785	167
N	WV-061-005811-006	Christin Browning	Northeast Natural Energy, LLC	12.5% or Greater	1785	165
N	WV-061-005811-008	Zachary Dawson	Northeast Natural Energy, LLC	12.5% or Greater	1788	554
N	WV-061-005996-001	Everett Dean Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1785	200
N	WV-061-006077-001	Cindy L. Donaldson	Northeast Natural Energy, LLC	12.5% or Greater	1789	417
N	WV-061-005811-005	Caroline G. Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1785	160
N	WV-061-005811-004	Wayne L. Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1781	516
N	WV-061-005973-001	Hampton Cottrell	Northeast Natural Energy, LLC	12.5% or Greater	1781	581
O	WV-061-005792-009	Loretta Jo Moore	Northeast Natural Energy, LLC	12.5% or Greater	1821	357
O	WV-061-005992-002	Marcia Lea Wilson Began	Northeast Natural Energy, LLC	12.5% or Greater	1785	192
O	WV-061-004823-023	Freddie Carl Baker Jr.	Northeast Natural Energy, LLC	12.5% or Greater	1616	128
O	WV-061-004823-010	Deanna Jean Powell	Northeast Natural Energy, LLC	12.5% or Greater	1613	138
O	WV-061-004823-007	Catherine Faye May	Northeast Natural Energy, LLC	12.5% or Greater	1611	799
O	WV-061-004823-016	Jay Richard Johnson	Northeast Natural Energy, LLC	12.5% or Greater	1614	557
O	WV-061-004823-020	Judy L. Johnson-Ward	Northeast Natural Energy, LLC	12.5% or Greater	1615	494
O	WV-061-004823-002	Carney D. Hamilton	Northeast Natural Energy, LLC	12.5% or Greater	1608	818
O	WV-061-004823-001	Jennifer L. Wright	Northeast Natural Energy, LLC	12.5% or Greater	1608	816
O	WV-061-004823-008	Lance L. Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1613	134
O	WV-061-004823-021	Robert Jeff Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1615	496
O	WV-061-006101-001	P&P Fujimo, LLC	Northeast Natural Energy, LLC	12.5% or Greater	1795	27
O	WV-061-004823-012	Eric Bryce Eberhart	Northeast Natural Energy, LLC	12.5% or Greater	1613	142
O	WV-061-004823-019	Alexander Marcus Cohen	Northeast Natural Energy, LLC	12.5% or Greater	1615	471
O	WV-061-004823-025	Janine L. Bradley	Northeast Natural Energy, LLC	12.5% or Greater	1618	303
O	WV-061-004823-015	Judy Diane Rose	Northeast Natural Energy, LLC	12.5% or Greater	1614	481
O	WV-061-004823-018	Malorie Jane Evans	Northeast Natural Energy, LLC	12.5% or Greater	1615	469
O	WV-061-004823-031	Bonnie Jo Statler	Northeast Natural Energy, LLC	12.5% or Greater	1642	168
O	WV-061-004823-017	Cliff Evan Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1615	467
O	WV-061-005992-003	Brian K. Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1788	589
O	WV-061-005992-007	Christopher Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1793	430
O	WV-061-005992-009	Timothy Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1793	454
O	WV-061-005992-001	Susan Rockwell	Northeast Natural Energy, LLC	12.5% or Greater	1785	190
O	WV-061-005792-002	Jean Stewart Poffenberger	Northeast Natural Energy, LLC	12.5% or Greater	1795	277
O	WV-061-005792-005	Jessica Stewart	Northeast Natural Energy, LLC	12.5% or Greater	1808	722
O	WV-061-005792-006	Teddy Ray Stewart	Northeast Natural Energy, LLC	12.5% or Greater	1808	724
O	WV-061-005792-004	Amanda Faith Stewart	Northeast Natural Energy, LLC	12.5% or Greater	1797	73
O	WV-061-005792-001	Sandy Moore	Northeast Natural Energy, LLC	12.5% or Greater	1750	378
O	WV-061-005992-010	LeeAnn Shumiloff	Northeast Natural Energy, LLC	12.5% or Greater	1793	456
O	WV-061-005992-006	Justin Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1789	480
O	WV-061-005992-005	Deken Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1789	478
O	WV-061-004823-003	Randall Scott Albino	Northeast Natural Energy, LLC	12.5% or Greater	1608	822

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Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
O	WV-061-004823-011	Regina L. Black	Northeast Natural Energy, LLC	12.5% or Greater	1613	140
O	WV-061-004823-009	Lorrie E. Smith	Northeast Natural Energy, LLC	12.5% or Greater	1613	136
O	WV-061-006097-001	Sharon Marie Flann	Northeast Natural Energy, LLC	12.5% or Greater	1793	483
O	WV-061-006104-002	Tiffany Thomas	Northeast Natural Energy, LLC	12.5% or Greater	1793	491
O	WV-061-006104-001	Christin Browning	Northeast Natural Energy, LLC	12.5% or Greater	1793	489
O	WV-061-006104-003	Zachary Dawson	Northeast Natural Energy, LLC	12.5% or Greater	1794	490
O	WV-061-002621-001	Gary A. Spragg	Northeast Natural Energy, LLC	12.5% or Greater	1468	425
O	WV-061-002621-001	Randall M. Spragg	Northeast Natural Energy, LLC	12.5% or Greater	1468	425
O	WV-061-002621-001	Lisa M. Spragg	Northeast Natural Energy, LLC	12.5% or Greater	1468	425
O	WV-061-005792-003	Piney Holdings Inc.	Northeast Natural Energy, LLC	12.5% or Greater	1658	694
O	WV-061-005996-001	Everett Dean Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1785	200
O	WV-061-006077-001	Cindy L. Donaldson	Northeast Natural Energy, LLC	12.5% or Greater	1789	417
O	WV-061-005992-008	Amber Cubberley	Northeast Natural Energy, LLC	12.5% or Greater	1793	432
P	WV-061-006209-001	Shuman Inc.	Northeast Natural Energy, LLC	12.5% or Greater	1759	166
P	WV-061-006209-002	Chester A. Shuman Jr.	Northeast Natural Energy, LLC	12.5% or Greater	1765	437
P	WV-061-006209-003	James W. Shuman	Northeast Natural Energy, LLC	12.5% or Greater	1765	442
P	WV-061-006209-004	David L. Shuman	Northeast Natural Energy, LLC	12.5% or Greater	1765	432
Q	WV-061-000209-001-ACT	James Fox and Aline Fox	W. Hunter Atha	12.5% or Greater	92	359
		W. Hunter Atha	South Penn Oil Company	Assignment Book	93	136
		South Penn Oil Company	Hope Natural Gas Company	Assignment Book	119	58
		Hope Natural Gas Company	Consolidated Gas Supply Corporation	Deed Book	633	144
		Consolidated Gas Supply Corporation	Consolidated Gas Transmission Corporation	Assignment Book	16	198
		Consolidated Gas Transmission Corporation	CNG Transmission Corporation	Assignment Book	37	584
		CNG Transmission Corporation	Eastern States Oil & Gas Inc.	Assignment Book	43	313
		Eastern States Oil & Gas Inc.	EQT Production Company	Misc. Book	61	558
		EQT Production Company	Northeast Natural Energy, LLC	Miscellaneous Book	175	673
R	WV-061-005893-001	Barbara P. Palmer	Northeast Natural Energy, LLC	12.5% or Greater	1778	810
S	WV-061-006061-002	Country Roads Minerals LLC	Northeast Natural Energy, LLC	12.5% or Greater	1749	533
T	WV-061-505825-001	Equinor USA Onshore Properties Inc.	Northeast Natural Energy, LLC	12.5% or Greater	1761	155
U	WV-061-505825-001	Equinor USA Onshore Properties Inc.	Northeast Natural Energy, LLC	12.5% or Greater	1761	155
V	WV-061-505825-001	Equinor USA Onshore Properties Inc.	Northeast Natural Energy, LLC	12.5% or Greater	1761	155
W	WV-061-004400-001	Drema L. Howard	Northeast Natural Energy, LLC	12.5% or Greater	1599	75
X	WV-061-005844-001	Piney Holdings Inc.	Northeast Natural Energy, LLC	12.5% or Greater	1770	631

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AUG 19 2024
 WV Department of
 Environmental Protection

4706101966



August 12, 2024

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

RE: Bunner 15H

Dear Permit Reviewer:

Please be advised that Northeast Natural Energy LLC has the right to drill, extract and produce the minerals beneath the following as identified on the included plat:

- Devine Road (Route 18/3),
- Shriver Run Road
- Blue Goose Road (Route 21)
- Miracle Run Road (Route 17)
- Luther Park Road (Route 17/5)

Sincerely,

Justin Moroosse

Justin Moroosse
Landman III

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**Horizontal Natural Gas Well Work Permit
Application Notice By Publication**

Notice is hereby given:

Pursuant to West Virginia Code 22-6A-10(e) prior to filing an application for a permit for a horizontal well the applicant shall publish in the county in which the well is located or is proposed to be located a Class II legal advertisement.

Paper: The Dominion Post

Public Notice Date: July 10th & 17th, 2024

The following applicant intends to apply for a horizontal natural well work permit which disturbs three acres or more of surface excluding pipelines, gathering lines and roads or utilizes more than two hundred ten thousand gallons of water in any thirty day period.

Applicant: Northeast Natural Energy LLC **Well Number:** Bunner 11H, 15H, 19H

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

Business Conducted: Natural gas production.

Location –

State: West Virginia County: Monongalia
District: Clay Quadrangle: Blacksville, WV
UTM Coordinate NAD83 Northing: 11H - 4390598.9; 15H - 4390598.9; 19H - 4390589.7
UTM coordinate NAD83 Easting: 11H - 567093.7; 15H - 567087.6; 19H - 567087.8
Watershed: Dunkard Creek

Coordinate Conversion:

To convert the coordinates above into longitude and latitude, visit: http://tagis.dep.wv.gov/convert/llutm_conus.php

Electronic notification:

To receive an email when applications have been received or issued by the Office of Oil and Gas, visit <http://www.dep.wv.gov/insidedep/Pages/DEPMailingLists.aspx> to sign up.

Reviewing Applications:

Copies of the proposed permit application may be reviewed at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE Charleston, WV 25304 (304-926-0450). Full copies or scans of the proposed permit application will cost \$15, whether mailed or obtained at DEP headquarters. Copies may be requested by calling the office or by sending an email to DEP.comments@wv.gov.

Submitting Comments:

Comments may be submitted online at <https://apps.dep.wv.gov/oog/comments/comments.cfm>, or by letter to Permit Review, Office of Oil and Gas, 601 57th Street, SE Charleston, WV 25304. Please reference the county, well number, and operator when using this option.

Regardless of format for comment submissions, they must be received no later than thirty days after the permit application is received by the Office of Oil and Gas.

For information related to horizontal drilling visit: www.dep.wv.gov/oil-and-gas/pages/default.aspx

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

Date of Notice Certification: 08/14/2024

API No. 47- _____
Operator's Well No. 15H _____
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: West Virginia	UTM NAD 83	Easting: 567087.6
County: Monongalia		Northing: 4390598.9
District: Clay	Public Road Access: Upper Days Run Rd./ CR 18	
Quadrangle: Blacksville, WV	Generally used farm name: Bunner	
Watershed: Dunkard Creek		

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

<p>Pursuant to West Virginia Code § 22-6A, the Operator has attached proof to this Notice Certification that the Operator has properly served the required parties with the following:</p> <p>*PLEASE CHECK ALL THAT APPLY</p> <p><input type="checkbox"/> 1. NOTICE OF SEISMIC ACTIVITY or <input checked="" type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED</p> <p><input checked="" type="checkbox"/> 2. NOTICE OF ENTRY FOR PLAT SURVEY or <input type="checkbox"/> NO PLAT SURVEY WAS CONDUCTED</p> <p><input checked="" type="checkbox"/> 3. NOTICE OF INTENT TO DRILL or <input type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or</p> <p style="padding-left: 100px;"><input type="checkbox"/> WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH)</p> <p><input checked="" type="checkbox"/> 4. NOTICE OF PLANNED OPERATION</p> <p><input checked="" type="checkbox"/> 5. PUBLIC NOTICE</p> <p><input checked="" type="checkbox"/> 6. NOTICE OF APPLICATION</p>	<p>OOG OFFICE USE ONLY</p> <p><input type="checkbox"/> RECEIVED/ NOT REQUIRED</p> <p><input type="checkbox"/> RECEIVED</p> <p><input type="checkbox"/> RECEIVED/ NOT REQUIRED</p> <p><input type="checkbox"/> RECEIVED</p> <p><input type="checkbox"/> RECEIVED</p> <p><input type="checkbox"/> RECEIVED</p>
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Required Attachments:
The Operator shall attach to this Notice Certification Form all Notice Forms and Certifications of Notice that have been provided to the required parties and/or any associated written waivers. For the Public Notice, the operator shall attach a copy of the Class II Legal Advertisement with publication date verification or the associated Affidavit of Publication. The attached Notice Forms and Certifications of Notice shall serve as proof that the required parties have been noticed as required under West Virginia Code § 22-6A. Pursuant to West Virginia Code § 22-6A-11(b), the Certification of Notice to the person may be made by affidavit of personal service, the return receipt card or other postal receipt for certified mailing.

Certification of Notice is hereby given:

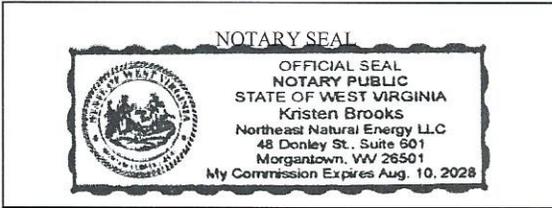
THEREFORE, I Hollie Medley, have read and understand the notice requirements within West Virginia Code § 22-6A. I certify that as required under West Virginia Code § 22-6A, I have served the attached copies of the Notice Forms, identified above, to the required parties through personal service, by registered 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 14th day of August, 2024
Kristen Brooks Notary Public

My Commission Expires Aug. 10, 2028



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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WV Department of
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WW-6A
(9-13)

4706101966

API NO. 47- _____
OPERATOR WELL NO. 15H _____
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: 7/22/24 **Date Permit Application Filed:** 7/31/24

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: Phoenix Energy Resources, LLC
Address: 863 Quail Valley Drive
Princeton, WV 24740

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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09/20/2024

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 for house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, developed springs, 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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Atty General
11/20/24
WV Department of
Environmental Protection

WW-6A
(8-13)

API NO. 4706101966
OPERATOR WELL NO. 15H
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 57th St. SE
Charleston, WV 25304
(304) 926-0450

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Such persons may request, at the time of submitting written comments, notice of the permit decision. **NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.**

09/20/2024

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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09/20/2024

WW-6A
(8-13)

4706101966
API NO. 47-
OPERATOR WELL NO. 15H
Well Pad Name: Bunner

Notice is hereby given by:

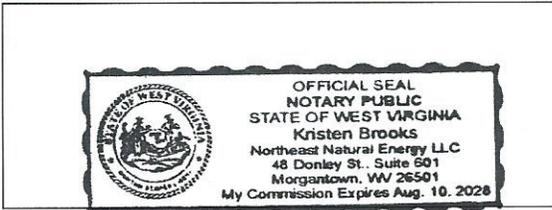
Well Operator: Northeast Natural Energy LLC
Telephone: 304-241-5752
Email: _____

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 Macy



Subscribed and sworn before me this 22nd day of July, 2024
Kristen Brooks Notary Public

My Commission Expires Aug. 10, 2028

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WV Department of
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09/20/2024

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: _____

RECEIVED
Office of Oil and Gas
AUG 19 2024

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.

09/20/2024

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: 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: West Virginia
County: Monongalia
District: Clay
Quadrangle: Blacksville

Approx. Latitude & Longitude: Dunkard Creek
Public Road Access: CR 25/2
Watershed: Dunkard Creek
Generally used farm name: Bunner

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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09/20/2024

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: West Virginia
 County: Monongalia
 District: Clay
 Quadrangle: Blacksville

Approx. Latitude & Longitude: Dunkard Creek
 Public Road Access: CR 25/2
 Watershed: Dunkard Creek
 Generally used farm name: Bunner

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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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: 07/22/2024 **Date Permit Application Filed:** 07/31/2024

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 Name: _____
Address: 15 Devine Road Address: _____
Fairview, WV 26570 _____

Notice is hereby given:

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

State: West Virginia UTM NAD 83 Easting: 567087.6
County: Monongalia Northing: 4390598.9
District: Clay Public Road Access: Upper Days Run Rd/CR 18
Quadrangle: Blacksville, WV Generally used farm name: Bunner
Watershed: Dunkard Creek

This Notice Shall Include:

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

Notice is hereby given by:

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

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

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AUG 19 2024

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.

09/20/2024

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: 07/22/2024 **Date Permit Application Filed:** 07/31/2024

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

CERTIFIED MAIL HAND
RETURN RECEIPT REQUESTED DELIVERY

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

Notice is hereby provided to the SURFACE OWNER(s)

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

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

Name: _____
Address: _____

Notice is hereby given:

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

State: West Virginia UTM NAD 83 Easting: 567087.6
County: Monongalia Northing: 4390598.9
District: Clay Public Road Access: Upper Days Run Rd/ CR 18
Quadrangle: Blacksville, WV 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: 304-414-7060
Email: _____

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

RECEIVED
Office of Oil and Gas

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and 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 of the WV Department of Environmental Protection needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

AUG 19 2024

WV Department of
Environmental Protection

09/20/2024

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

Instructions to Persons Named on Page WW-6A

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

Comment and Waiver Provisions

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

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

VOLUNTARY STATEMENT OF NO OBJECTION

I, Roger K. Williams, hereby state that I have read the Instructions to Persons Named on Page WW-6A and the associated provisions listed above, and that I have received copies of a Notice of Application, an Application for a Well Work Permit on Form WW-6A and attachments consisting of pages one (1) through 12, including the erosion and sediment control plan, if required, and the well plat, all for proposed well work on the tract of land as follows:

State:	<u>West Virginia</u>	UTM NAD 83	Easting:	<u>567087.6</u>
County:	<u>Monongalia</u>		Northing:	<u>4390598.9</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>			

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

*Please check the box that applies

SURFACE OWNER

SURFACE OWNER (Road and/or Other Disturbance)

SURFACE OWNER (Impoundments/Pits)

COAL OWNER OR LESSEE

COAL OPERATOR

WATER PURVEYOR

OPERATOR OF ANY NATURAL GAS STORAGE FIELD

FOR EXECUTION BY A NATURAL PERSON

Signature: Roger K. Williams

Print Name: Roger K WILLIAMS

Date: 7/29/2024

FOR EXECUTION BY A CORPORATION, ETC.

Company: _____

By: _____

Its: _____

Signature: _____

Date: _____

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AUG 19 2024
WV Department of
Environmental Protection

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

Instructions to Persons Named on Page WW-6A

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

Comment and Waiver Provisions

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

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

VOLUNTARY STATEMENT OF NO OBJECTION

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

State:	<u>West Virginia</u>	UTM NAD 83	Easting:	<u>567087.6</u>
County:	<u>Monongalia</u>		Northing:	<u>4390598.9</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>			

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

*Please check the box that applies

- SURFACE OWNER
- SURFACE OWNER (Road and/or Other Disturbance)
- SURFACE OWNER (Impoundments/Pits)
- COAL OWNER OR LESSEE
- COAL OPERATOR
- WATER PURVEYOR
- OPERATOR OF ANY NATURAL GAS STORAGE FIELD

FOR EXECUTION BY A NATURAL PERSON

Signature: _____
Print Name: _____
Date: _____

FOR EXECUTION BY A CORPORATION, ETC.

Company: Phoenix Energy Resources LLC
By: John F. Hale Jr.
Its: mgt.

Signature: John F. Hale Jr.
Date: 07-28-2024

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WV Department of
Environmental Protection

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WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

Office of the District Engineer/Manager

District Four

Post Office Box 4220 · Clarksburg, West Virginia 26302 · (304) 842-1500

Alanna J. Keller, P.E.

Deputy Secretary of Transportation

Deputy Commissioner of Highways

Jimmy Wriston, P. E.

Secretary of Transportation

Commissioner of Highways

August 27, 2024

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 Well Pad, Monongalia County
Bunner 15H Well Site**

Dear Mr. Martin,

This well site will be accessed from a DOH permit #04-2019-0982 which has been issued to Northeast Natural Energy, LLC for access to the State Road for a well site located off Monongalia County Route 18 SLS MP 3.98.

This operator is in compliance with §22-6A-20 of the WV Code. Operator has signed a STATEWIDE 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 March 6, 2023. This letter is valid for permitting purposes for one year from the date of this letter.

Very Truly Yours,

A handwritten signature in blue ink that reads "Lacy D. Pratt".

Lacy D. Pratt

Central Office O&G Coordinator

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

Planned Additives To Be Used In Fracturing Stimulations

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

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 WV Department of
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4706101966

OPERATOR: Northeast Natural Energy LLC WELL NO: 15H

PAD NAME: Bunner

REVIEWED BY: Hollie Medley SIGNATURE: Hollie Medley

WELL RESTRICTIONS CHECKLIST

HORIZONTAL 6A WELL

Well Restrictions

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

DEP Waiver and Permit Conditions

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

DEP Waiver and Permit Conditions

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

DEP Waiver and Permit Conditions

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

Surface Owner Waiver and Recorded with County Clerk, OR

DEP Variance and Permit Conditions

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

Surface Owner Waiver and Recorded with County Clerk, OR

DEP Variance and Permit Conditions

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

Surface Owner Waiver and Recorded with County Clerk, OR

DEP Variance and Permit Conditions

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Environmental Protection

09/20/2024

4706101966

APPROVED WVDEP OOG
WVDEP 4/23/2020

BUNNER WELL PAD SITE PLAN NORTHEAST NATURAL ENERGY

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

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WV Department of
Environmental Protection

SHEET INDEX

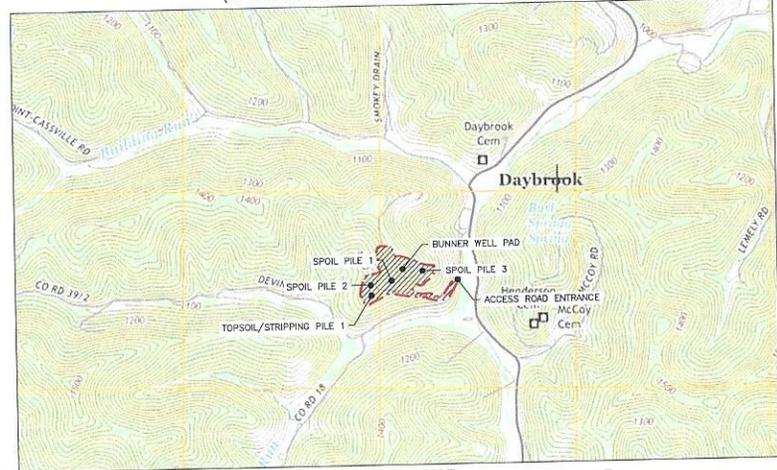
1. COVER SHEET	10. SITE PLAN	19. DETAILS
2. GENERAL NOTES	11. PROFILES AND SECTIONS	20. DETAILS
3. MATERIAL QUANTITIES	12. PROFILES AND SECTIONS	21. DETAILS
4. MASTER LEGEND	13. PROFILES AND SECTIONS	22. RECLAMATION PLAN
5. SITE SAFETY MAP	14. PROFILES AND SECTIONS	23. RECLAMATION PLAN
6. EXISTING CONDITIONS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

LOCAL EMERGENCY SERVICES

NAME	TELEPHONE NO.
AMBULANCE	911
HOSPITAL EMERGENCY ROOM	(304) 590-4000
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 NEEDED FROM COUNTY FLOODPLAIN COORDINATOR:	NO
HEC-RAS STUDY COMPLETED:	N/A
FLOODPLAIN SHOWN ON DRAWINGS:	N/A
FIRM MAP NUMBER(S) FOR SITE:	54081C0075E
ACREAGE OF CONSTRUCTION IN FLOODPLAIN:	0.00 AC



LOCATION COORDINATES

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	14,500	1,306
WELL PAD	65,666	24,165
SPOIL-1	0	5,754
SPOIL-2	0	9,419
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	17.31
WOODED	16.30

PROJECT CONTACTS:

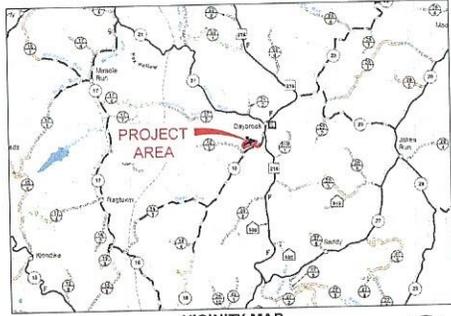
ENGINEER/SURVEYOR:
CIVIL & ENVIRONMENTAL CONSULTANTS, INC.
 JOSEPH G. ROBINSON, P.E. VICE PRESIDENT
 OFFICE: (304) 933-3119 FAX: (304) 933-3327 CELL: (443) 369-2608

ENVIRONMENTAL:
CIVIL & ENVIRONMENTAL CONSULTANTS, INC.
 MICHAEL W. KESTER, PRINCIPAL
 OFFICE: (304) 933-3119 FAX: (304) 933-3327 CELL: (304) 438-8600

GEOTECHNICAL:
CIVIL & ENVIRONMENTAL CONSULTANTS, INC.
 KIM ESHKIN, PROJECT MANAGER
 OFFICE: (304) 933-3119 FAX: (304) 933-3327 CELL: (310) 717-1716

OPERATOR:
NORTHEAST NATURAL ENERGY LLC
 48 DONLEY STREET, SUITE 101
 HUNTINGTON, WV 25641

DAVE MCCOUGAL - CIVIL ENGINEERING MANAGER
 OFFICE: (304) 241-5792 CELL: (304) 941-5033



PLAN REPRODUCTION WARNING

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 ACCURATE FOR CONSTRUCTION PURPOSES.

***WARNING: INFORMATION MAY BE LOST IN COPYING AND/OR GRAY SCALE PLOTTING.

LIMITS OF DISTURBANCE PARCEL BREAK UPS - BUNNER WELL PAD

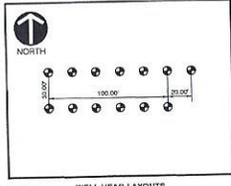
MONONGALIA COUNTY, WEST VIRGINIA					
OWNER	TM-PARCEL	DEED-PAGE	TOTAL ACRES	TYPE OF DISTURBANCE	ACERAGE
WVDOH ROW				PARCEL INFORMATION	
				MAIN ACCESS ROAD	0.02
				PARCEL TOTAL	0.02
BUNNER, PATRICIA A.	18 - 32	E348 - 308	94.72	PARCEL INFORMATION	
				MAIN ACCESS ROAD	4.88
				WELL PAD	6.79
				TOPSOIL/STRIPPING 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:	XXXXXX
MINE NAME:	XXXXXXXXXX
COMPANY:	XXXXXXXXXXXXXXXXXX

WELL RESTRICTIONS CHECKLIST (HORIZONTAL 6A WELL)

AT LEAST 100 FEET FROM PAD AND L.O.D. (INCLUDING ANY GAS CONTROL FEATURE) TO ANY PERENNIAL STREAM, LAKE, POND, RESERVOIR OR WETLAND:	YES
AT LEAST 300 FEET FROM PAD AND L.O.D. (INCLUDING ANY GAS CONTROL FEATURE) TO ANY NATURALLY PRODUCING TROUT STREAM:	YES
AT LEAST 1000 FEET FROM PAD AND L.O.D. (INCLUDING ANY GAS 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 825 FEET FROM AN OCCUPIED DWELLING STRUCTURE TO CENTER OF PAD:	YES
AT LEAST 800 FEET FROM AGRICULTURAL BUILDINGS LARGER THAN 2500 SQUARE FEET TO THE CENTER OF THE PAD:	YES



Civil & Environmental Consultants, Inc.
 600 Montgomery - Suite 200 - Bridgeport, WV 25930
 PH: 304.933.3119 - 855.484.8549 - Fax: 304.933.3327
 www.ceci.com

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

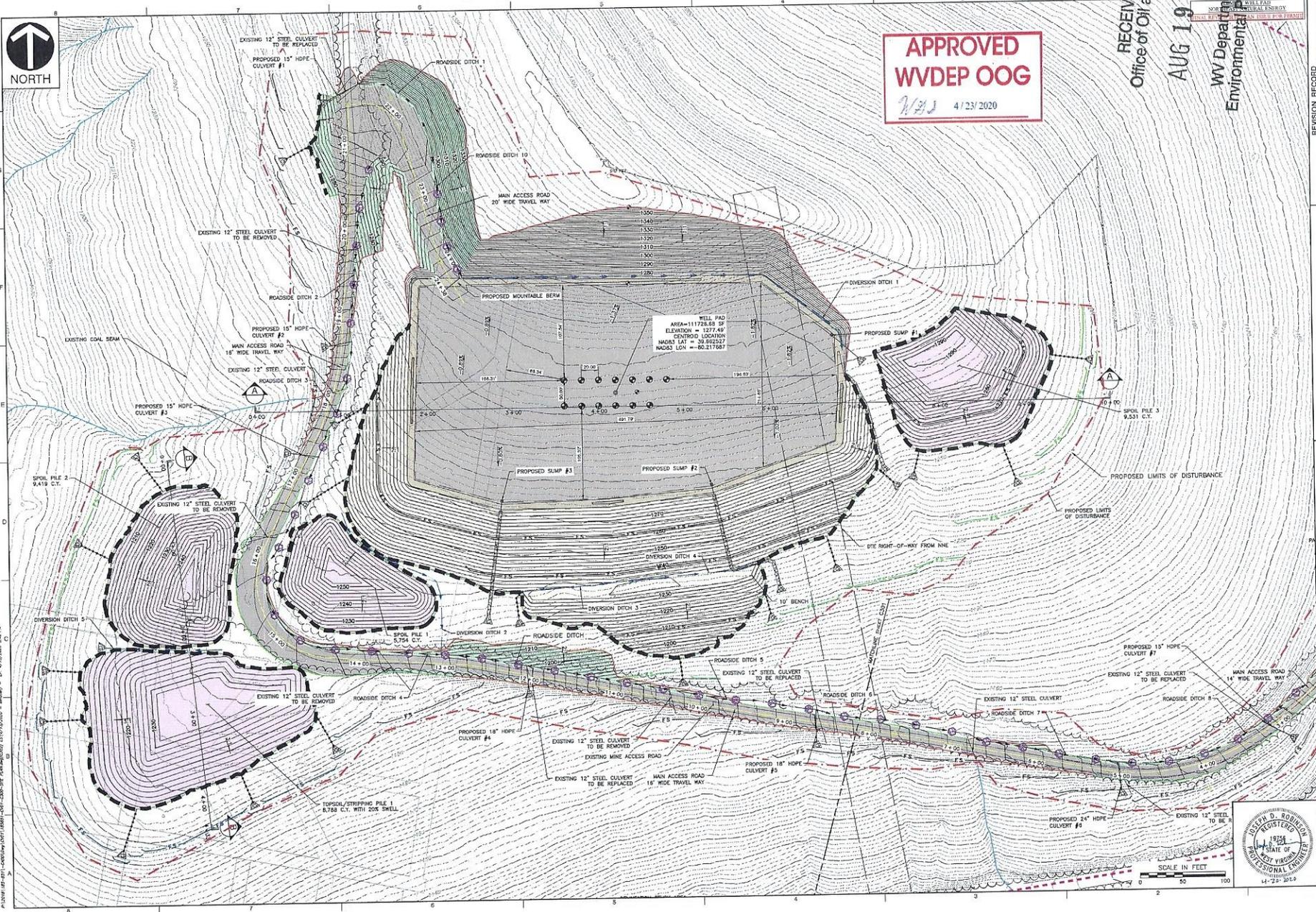
COVER SHEET

DATE: 4/23/2020
 DECEASED STATE: UNAPPLICABLE
 PRODUCT: AS SHOWN
 CHECKED BY: JDR
 APPROVED BY: JDR

DRAWING NO.: C000

SHEET 1 OF 24

4706101966



APPROVED
WVDEP OOG
WAS 4/23/2020

RECEIVED
Office of Oil and Gas
AUG 19 2024
WV Department of
Environmental Protection

REV	DATE	DESCRIPTION
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CEC
Civil & Environmental Consultants, Inc.
600 Millersville Ave., Suite 200 - Ridgeway, WV 26330
PH: 304.853.3119 - FAX: 484.9539 - FIC: 304.932.3227
www.cecinc.com

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

SITE PLAN	
DATE	DECEMBER 2019 (REVISED BY JAH)
SCALE	AS SHOWN (CHECKED BY JAH)
PROJECT NO.	18-551
APPROVED BY:	JAH



DRAWING NO. **C302**
SHEET 10 OF 24