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west virginia department of environmental protection

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

Austin Caperton, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Wednesday, October 28, 2020  
WELL WORK PERMIT  
Horizontal 6A / New Drill

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

Re: Permit approval for PHOENIX 8H  
47-061-01866-00-00

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: PHOENIX 8H  
Farm Name: CHARLES WENDELL MOORE  
U.S. WELL NUMBER: 47-061-01866-00-00  
Horizontal 6A New Drill  
Date Issued: 10/28/2020

# PERMIT CONDITIONS 4706101866

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

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

API Number:

4706101866

## PERMIT CONDITIONS

11. The operator shall provide to the Office of Oil and Gas the dates of each of the following within 30 days of their occurrence: completion of construction of the well pad, commencement of drilling, cessation of drilling, completion of any other permitted well work, and completion of the well. Such notice shall be provided by sending an email to [DEPOOGNotify@wv.gov](mailto:DEPOOGNotify@wv.gov).

WW-6B  
(04/15)

API NO. 47- \_\_\_\_\_  
OPERATOR WELL NO. 8H  
Well Pad Name: Phoenix

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 Battelle Wadestown  
Operator ID County District Quadrangle

2) Operator's Well Number: 8H Well Pad Name: Phoenix

3) Farm Name/Surface Owner: Charles Wendell Moore & Frank M. Chisler Public Road Access: Graveyard Hill/Route 15/2

4) Elevation, current ground: 1,538' Elevation, proposed post-construction: 1,503'

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, 8,200', 79', 5200 psi

8) Proposed Total Vertical Depth: 8,200'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 18,948'

11) Proposed Horizontal Leg Length: 10,040'

12) Approximate Fresh Water Strata Depths: 50', 1,238'

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

14) Approximate Saltwater Depths: 1,357', 2,222'

15) Approximate Coal Seam Depths: 450', 1,250'

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

17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes  active/non-producing No \_\_\_\_\_

(a) If Yes, provide Mine Info: Name: Federal #2 RECEIVED  
Office of Oil and Gas  
Depth: 1,230' AUG 28 2020  
Seam: Pittsburgh  
Owner: Phoenix Federal No 2 Mining, LLC WV Department of  
Environmental Protection

WW-6B  
(04/15)

**4706101866**  
 API NO. 47- \_\_\_\_\_  
 OPERATOR WELL NO. 8H \_\_\_\_\_  
 Well Pad Name: Phoenix \_\_\_\_\_

18)

**CASING AND TUBING PROGRAM**

<u>TYPE</u>	<u>Size (in)</u>	<u>New or Used</u>	<u>Grade</u>	<u>Weight per ft. (lb/ft)</u>	<u>FOOTAGE: For Drilling (ft)</u>	<u>INTERVALS: Left in Well (ft)</u>	<u>CEMENT: Fill-up (Cu. Ft.)/CTS</u>
Conductor	24	New	NA	NA	40	40	45/GTS
Fresh Water	13-3/8	New	J-55	54.5	1,380	1,350	988/CTS
Coal							
Intermediate	9-5/8	New	J-55	36	2,730	2,700	934/CTS
Production	5-1/2	New	P-110	20	18,948'	18,918'	3307
Tubing	2-7/8	New	P-110	6.5	NA	8000	NA
Liners							

B.O.H  
8-25-20

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

**PACKERS**

Kind:				
Sizes:				
Depths Set:				

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WV Department of  
Environmental Protection

WW-6B  
(10/14)

API NO. 47- \_\_\_\_\_  
OPERATOR WELL NO. 8H \_\_\_\_\_  
Well Pad Name: Phoenix \_\_\_\_\_

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

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

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

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

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 72.29

22) Area to be disturbed for well pad only, less access road (acres): 31.65

23) Describe centralizer placement for each casing string:

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

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

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

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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.

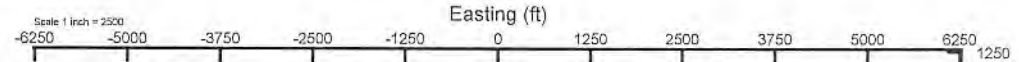


# NORTHEAST NATURAL ENERGY, LLC

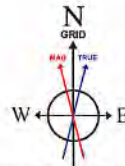
Location: Monongalia County, WV  
 Field: Monongalia  
 Facility: Phoenix Pad

Slot: Slot 08  
 Well: Phoenix 8H  
 Wellbore: Phoenix 8H PWB

Location Information						
Facility Name		Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	
Phoenix Pad		1751051.980	416616.840	39°38'28.5589"N	80°16'19.8414"W	
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Slot 08	-35.67	-5.25	1751046.730	416581.270	39°38'28.2059"N	80°16'19.9046"W
Ground Level (GL) to Ground level (At Slot: Slot 08)				0ft		
Mean Sea Level to Ground level (At Slot: Slot 08)				-1503ft		
Ground Level (GL) to Mean Sea Level				1503ft		



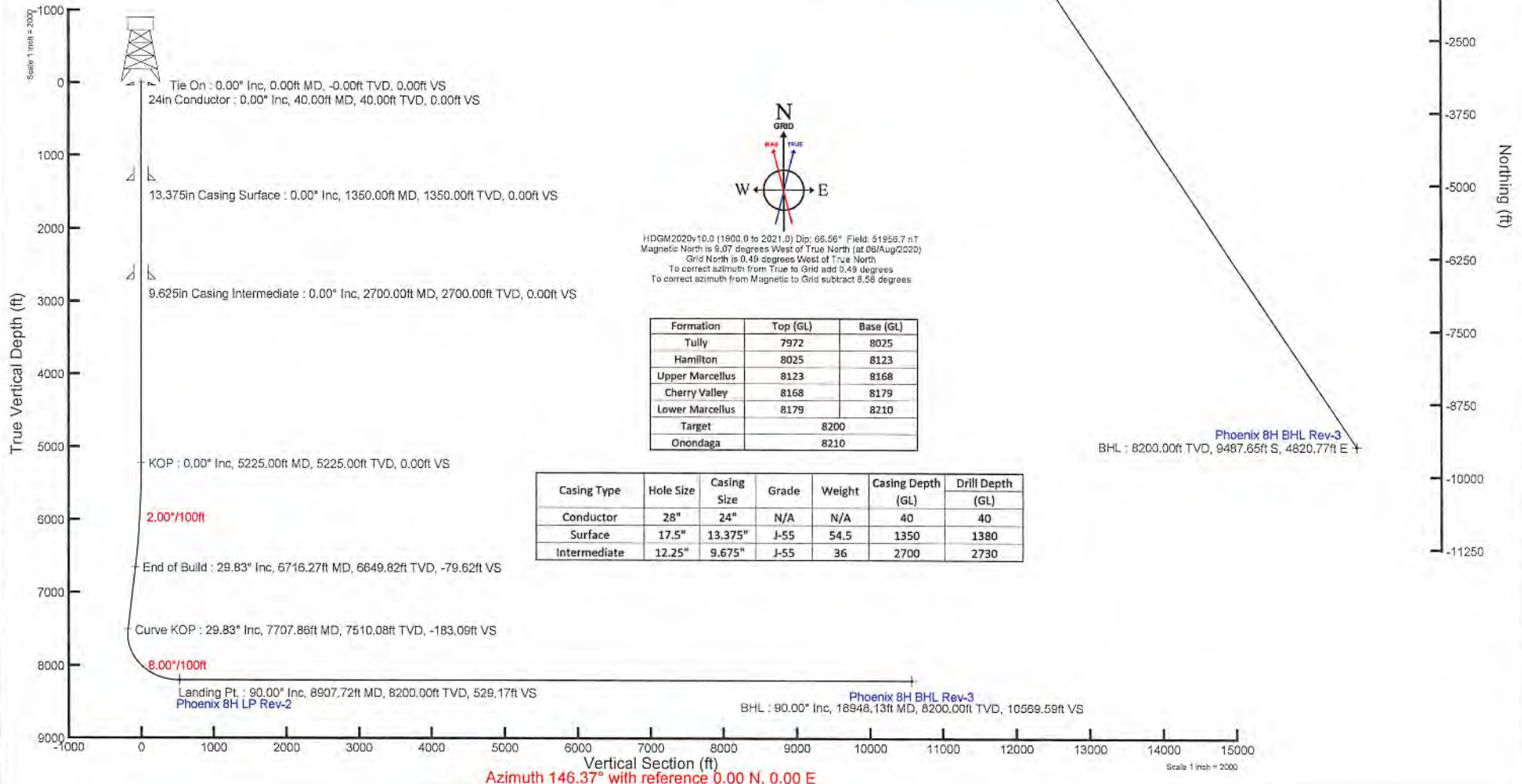
Slot 08  
 Tie On : -0.00ft TVD, 0.00ft N, 0.00ft E  
 KOP : 5225.00ft TVD, 0.00ft N, 0.00ft E  
 End of Build : 6649.82ft TVD, 139.18ft S, 353.01ft W  
 Curve KOP : 7510.08ft TVD, 320.08ft S, 811.81ft W  
 Landing Pt. : 8200.00ft TVD, 1127.34ft S, 739.38ft W  
 Phoenix 8H LP Rev-2



HDGM2020v10.0 (1900.0 to 2021.0) Dip: 66.56° Field: 51956.7 nT  
 Magnetic North is 9.07 degrees West of True North (at 06/Aug/2020)  
 Grid North is 0.49 degrees West of True North  
 To correct azimuth from True to Grid add 0.49 degrees  
 To correct azimuth from Magnetic to Grid subtract 8.58 degrees

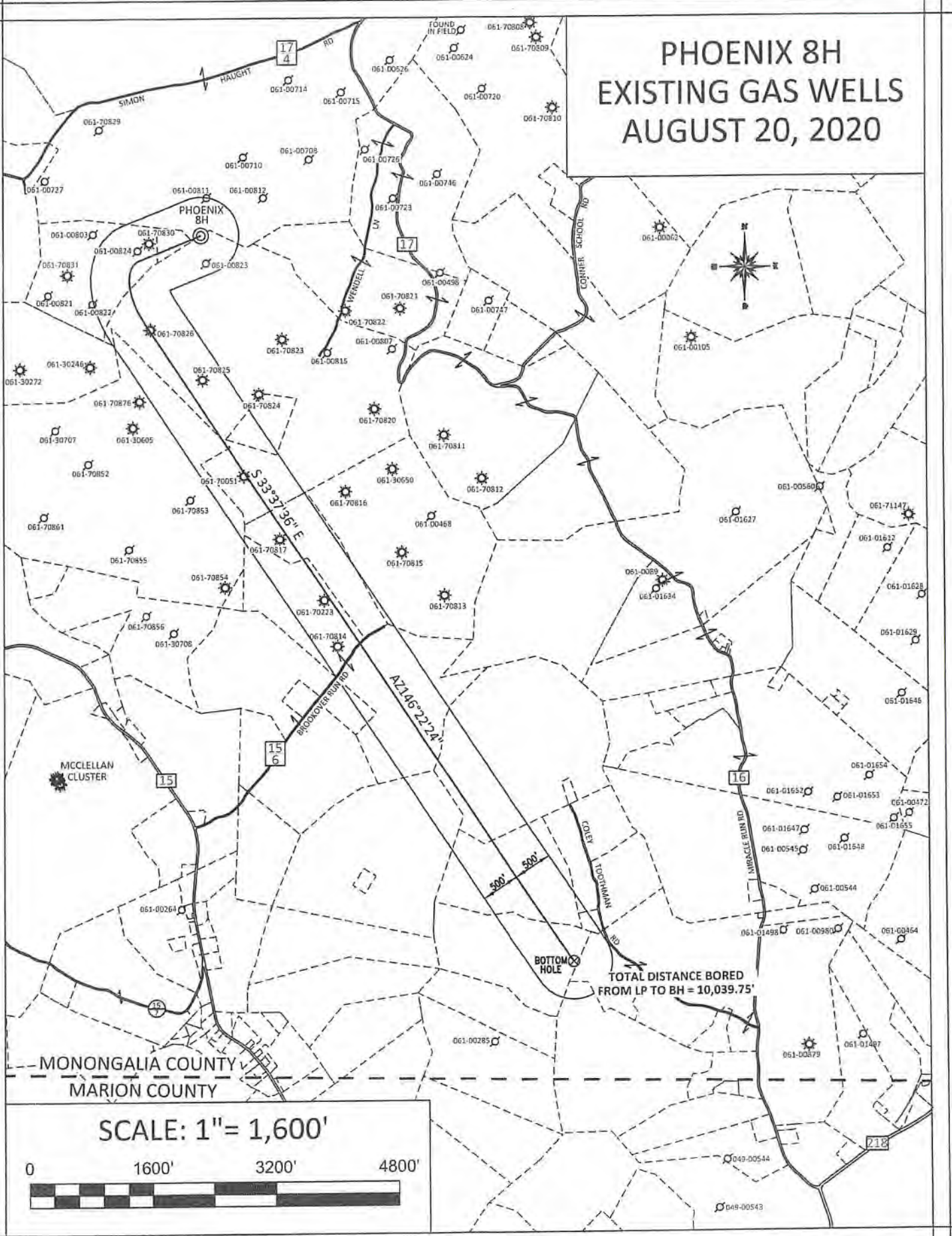
Formation	Top (GL)	Base (GL)
Tully	7972	8025
Hamilton	8025	8123
Upper Marcellus	8123	8168
Cherry Valley	8168	8179
Lower Marcellus	8179	8210
Target	8200	
Onondaga	8210	

Casing Type	Hole Size	Casing Size	Grade	Weight	Casing Depth (GL)	Drill Depth (GL)
Conductor	28"	24"	N/A	N/A	40	40
Surface	17.5"	13.375"	J-55	54.5	1350	1380
Intermediate	12.25"	9.675"	J-55	36	2700	2730



4706101866

# PHOENIX 8H EXISTING GAS WELLS AUGUST 20, 2020



SCALE: 1" = 1,600'





## Phoenix 8H Area of Review

API Number	Well Name	Well Number	Operator	Latitude (NAD 27)	Longitude (NAD 27)	TMP	TVD	Comments
47-061-00811	Haught & Walker	16	Eastern Associated / Peabody Coal Company	39.642531	-80.271931	1-17-14.1	NA	Plugged 4/7/86
47-061-00823	Haught & Walker	15	Eastern Associated / Peabody Coal Company	39.640211	-80.27193	1-24-19.1	3337	Plugged 11/17/86
47-061-70830	South Penn Oil	NA	NA	39.640913	-80.274385	1-24-16	NA	Pre 1929 farm well
47-061-00824	William M. Conners	NA	Eastern Associated / Peabody Coal Company	39.640646	-80.275119	1-24-16	NA	Plugged 10/24/86
47-061-70826	Haught & Walker	6	NA	39.637865	-80.274573	1-24-19.1	NA	Pre 1929 farm well
47-061-70825	Haught & Walker	12	NA	39.636124	-80.271757	1-24-19.1	NA	Pre 1929 farm well
47-061-70051	Haught & Walker	18	South Penn Oil	39.632640	-80.26988	1-24-19.1	3316	Pre 1929 farm well
47-061-70817	Marion Brookover	1	NA	39.630318	-80.268005	1-24-25.1	NA	Pre 1929 farm well
47-061-70223	Jas Brookover	3	South Penn Oil	39.628176	-80.266114	1-24-25	NA	Pre 1929 farm well
47-061-70814	Marion Brookover	3	NA	39.625673	-80.265565	1-24-25	NA	Pre 1929 farm well

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 Environmental Protection

WW-9  
(4/16)

API Number 47 - \_\_\_\_\_ - \_\_\_\_\_  
Operator's Well No. Phoenix 8H

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 Wadestown

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.

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Company Official Signature Hollie Medley  
Company Official (Typed Name) Hollie Medley  
Company Official Title Regulatory Manager

AUG 28 2020

WV Department of  
Environmental Protection

Subscribed and sworn before me this 25th day of August, 2020, 20\_\_\_\_  
Kristen Brooks  
My commission expires August 10, 2023

Notary Public



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

4706101866

Form WW-9

Operator's Well No. Phoenix 8H

Northeast Natural Energy LLC

Proposed Revegetation Treatment: Acres Disturbed 72.29 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
Orchard Grass	46
Red Clover	8
Tetraploi Perennial Rye	16
Timothy 15 Annual Rye 15	

Seed Type	lbs/acre
Orchard Grass	46
Red Clover	8
Tetraploid Perennial Rye	16
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: Brya Ham

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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Title: Inspector

Date: 8-25-20

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Field Reviewed? (  ) Yes (  ) No

## Attachment "B"

## Section V - Planned Disposal Method

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

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

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

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northeast  
NATURAL ENERGY

*Buy-Ann  
8-25-20*

**Phoenix 8H  
Site Safety Plan**

August 2020

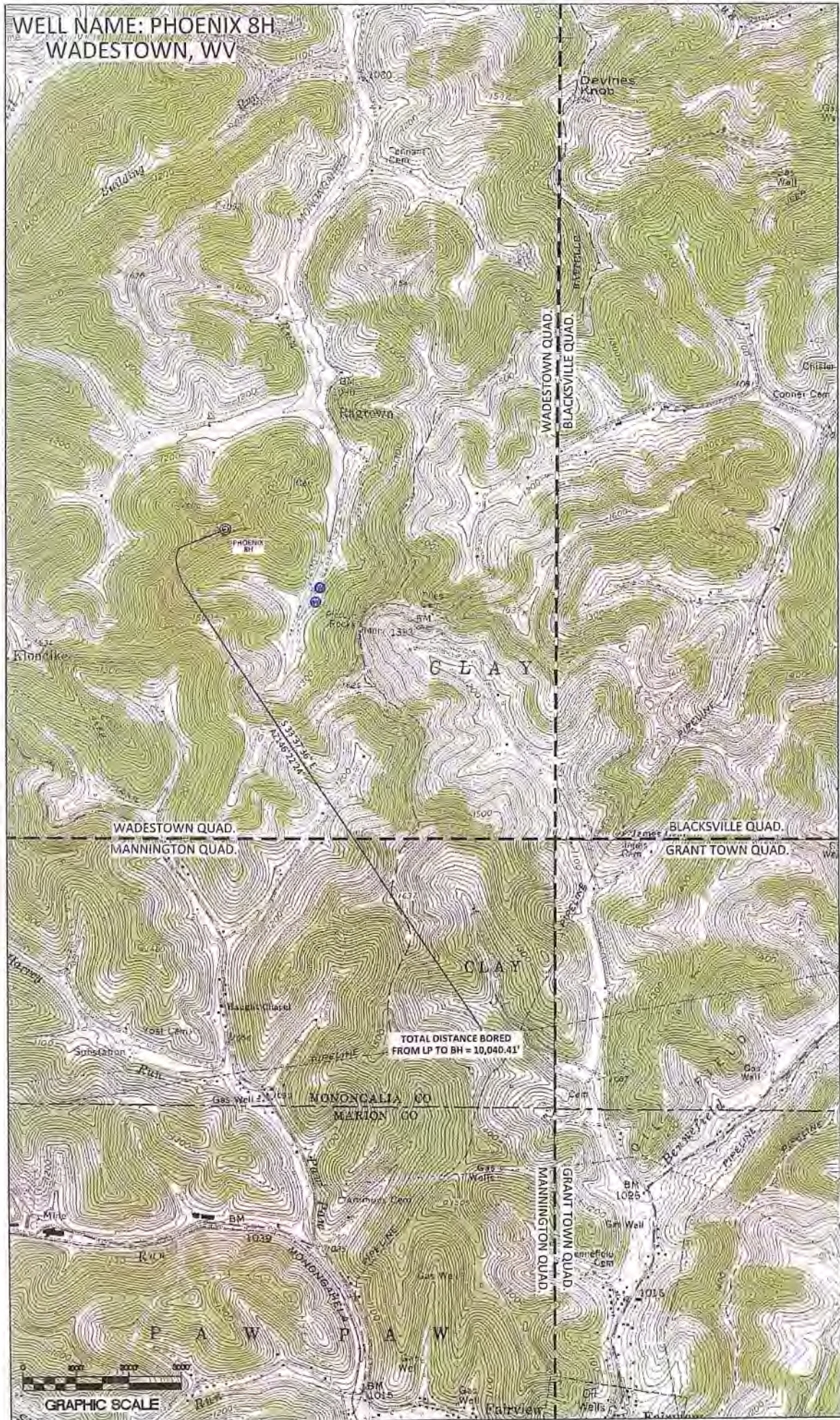
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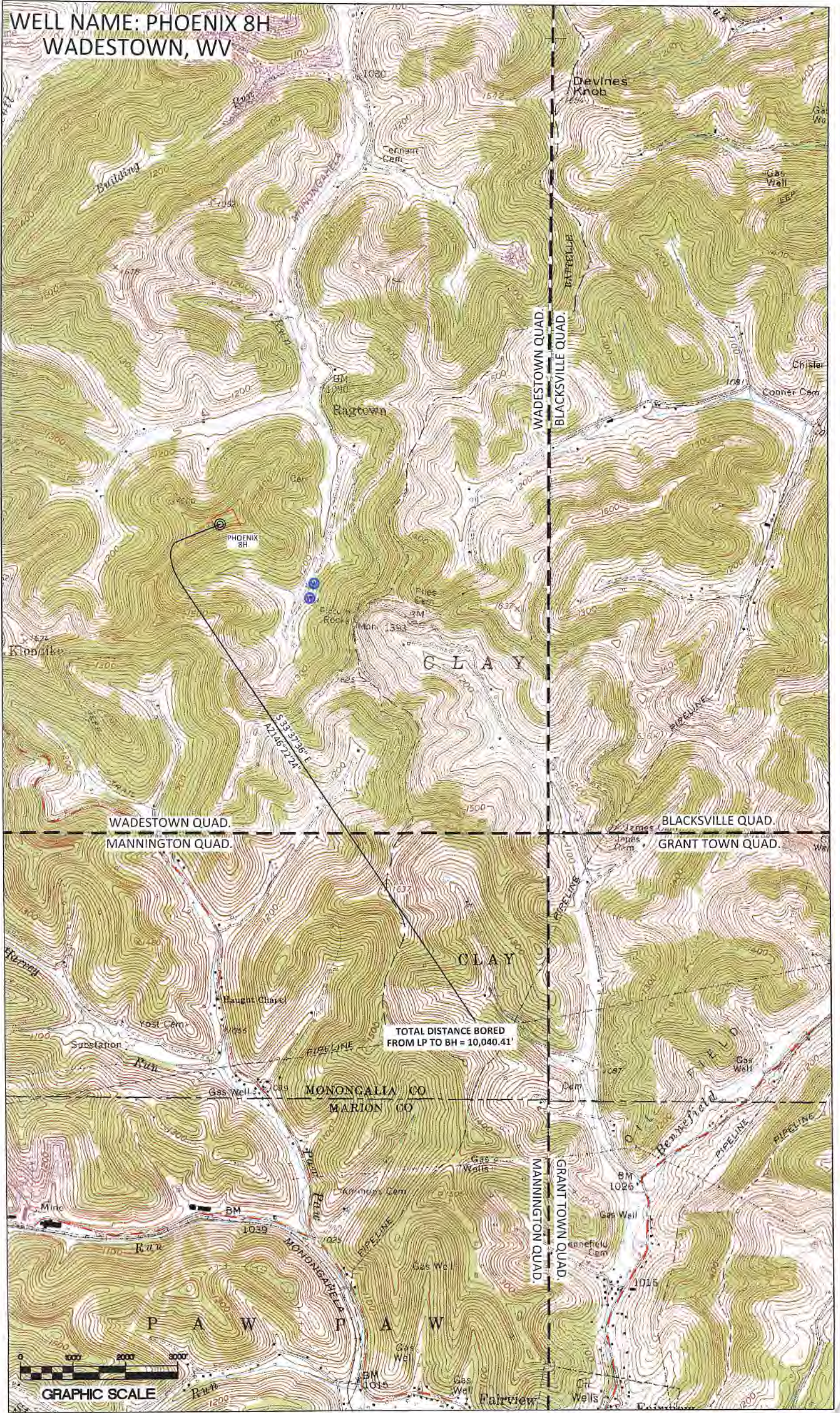
WELL NAME: PHOENIX 8H  
WADESTOWN, WV



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WV Department of  
Environmental Protection



WELL NAME: PHOENIX 8H  
WADESTOWN, WV



WADESTOWN QUAD  
BLACKSVILLE QUAD.

WADESTOWN QUAD.  
MANNINGTON QUAD.

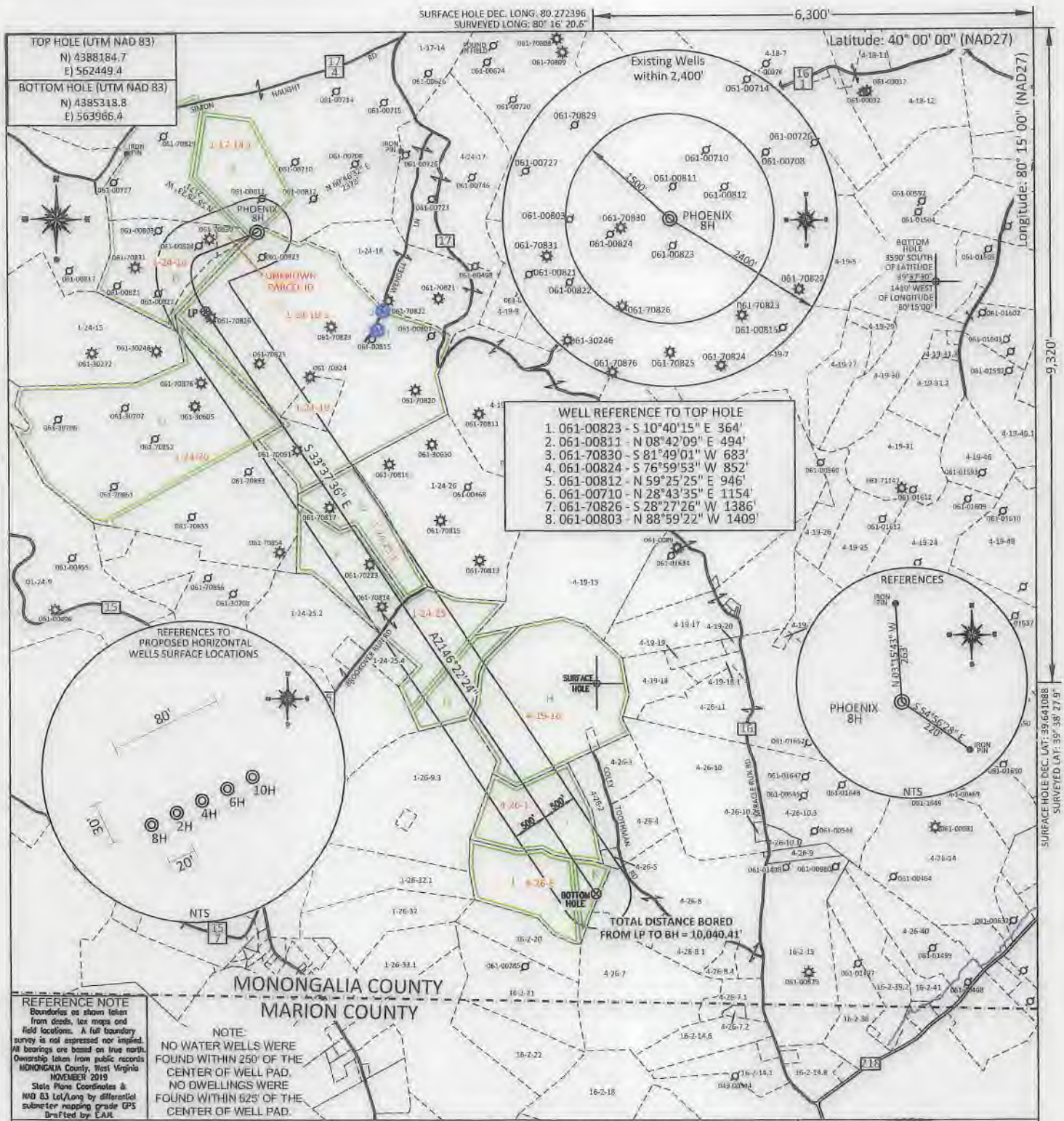
BLACKSVILLE QUAD.  
GRANT TOWN QUAD.

TOTAL DISTANCE BORED  
FROM LP TO BH = 10,040.41'



GRAPHIC SCALE





**WELL REFERENCE TO TOP HOLE**

- 061-00823 - S 10°40'15" E 364'
- 061-00811 - N 08°42'09" E 494'
- 061-70830 - S 81°49'01" W 683'
- 061-00824 - S 76°59'53" W 852'
- 061-00812 - N 59°25'25" E 946'
- 061-00710 - N 28°43'35" E 1154'
- 061-70826 - S 28°27'26" W 1386'
- 061-00803 - N 88°59'22" W 1409'



**REFERENCE NOTE**  
 Boundaries as shown taken from deeds, tax maps and field locations. A full boundary survey is not expressed nor implied. All bearings are based on true north. Ownership taken from public records MONONGALIA County, West Virginia NOVEMBER 2019  
 State Plane Coordinates & NAD 83 Lat/Long by differential submeter mapping grade GPS Drafted by EAM

**NOTE:**  
 NO WATER WELLS WERE FOUND WITHIN 250' OF THE CENTER OF WELL PAD.  
 NO DWELLINGS WERE FOUND WITHIN 625' OF THE CENTER OF WELL PAD.

FILE #: NNE16  
 DRAWING #: 2960  
 SCALE: PLAT: 1" = 2000'  
TICK: 1" = 2000'  
 MINIMUM DEGREE OF ACCURACY: 1/200  
 PROVEN SOURCE: SUBMETER MAPPING  
GRADE GPS

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

Signed:

L.L.S. #2124 : Ernest J. Benchek III



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

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

WATERSHED: DUNKARD CREEK

COUNTY/DISTRICT: MONONGALIA / BATELLE

SURFACE OWNER: CHARLES WENDELL MOORE & FRANK M. CHISLER

OIL & GAS ROYALTY OWNER: Pat L. Park, et al

LEASE NUMBERS: SEE PAGE 2

DATE: AUGUST 20, 2020

OPERATOR'S WELL #: PHOENIX 8H

API WELL #: 47 61 01866

STATE COUNTY PERMIT  
 CURRENT ELEVATION: 1,538'  
 PROPOSED ELEVATION: 1,503.50'

QUADRANGLE: WADESTOWN

ACREAGE: 181.127 +/-

ACREAGE: 1213.767 +/-

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

TARGET FORMATION: MARCELLUS

ESTIMATED DEPTH: TVD: 8,200' TMD: 18,948.13'

WELL OPERATOR: NORTHEAST NATURAL ENERGY LLC

DESIGNATED AGENT: JOHN ADAMS

ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200

ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200

CITY: CHARLESTON STATE: WV ZIP CODE: 25301

CITY: CHARLESTON STATE: WV ZIP CODE: 25301



PROPERTY OWNER INDEX	
UNKNOWN	PHOENIX ENERGY RESOURCES LLC
1-17-14.1	FRANK M. CHISLER
1-24-16	ELIZABETH ANN & RANDY WILSON
1-24-19.1	CHARLES WENDELL MOORE
1-24-19	DONNA M. MALINSKI ET AL
1-24-20	KEVIN D. & MARLA J AMMONS
1-24-25.1	RANDY D. & SUSAN K. HAMILTON
1-24-25	RANDY D. & SUSAN K. HAMILTON
4-19-16	CLAY & KATIE A FLUHARTY
4-26-1	THOMAS D. JONES; JANET CRABTREE & JOHN C. JONES
4-26-6	ROBERT E. & ELIZABETH A. THEWLIS

LEASE INDEX			
A	WV-061-004079-001	G	WV-061-004358-003
B	WV-061-004079-010	H	WV-061-004357-005
C	WV-061-004463-001	I	WV-061-002123-007
D	WV-061-004189-001	J	WV-061-001918-042
E	WV-061-005638-001	K	WV-061-001918-128
F	WV-061-004301-001		

FILE #: NEE14

DRAWING #: 2960

SCALE: N/A

DATE: AUGUST 20, 2020

OPERATOR'S WELL #: PHOENIX 8H

API WELL #: 47 61 01866  
STATE COUNTY PERMIT

WW-6A1  
(5/13)

Operator's Well No. Phoenix 8H

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



WW-6A1

4706101866  
Operators Well No. Phoenix South 8H

Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
A	WV-061-004079-001	Pat L. Park (Paul Park heir)	Northeast Natural Energy LLC	12.5% or Greater	1566	164
A	WV-061-004446-002	Richard Nichols (Edna Park heir)	Northeast Natural Energy LLC	12.5% or Greater	1582	359
A	WV-061-004446-001	John Nichols (Edna Park heir)	Northeast Natural Energy LLC	12.5% or Greater	1581	357
A	WV-061-004446-003	Harold Tinker (Virginia Park Tinker heir)	Northeast Natural Energy LLC	12.5% or Greater	1581	362
A	WV-061-004079-002	Gordon E. Park, a/k/a Gordon Park (Olaf E. Parks heir)	Northeast Natural Energy LLC	12.5% or Greater	1565	582
A	WV-061-004079-003	Paulette Park (Olaf E. Parks heir)	Northeast Natural Energy LLC	12.5% or Greater	1566	162
B	WV-061-004076-010	Elizabeth C. Kiser (George F. Kiser heir)	Northeast Natural Energy LLC	12.5% or Greater	1565	197
B	WV-061-004076-007	John Roy Post, a/k/a John Post, a/k/a John R. Post (Mary K. Post heir)	Northeast Natural Energy LLC	12.5% or Greater	1566	176
B	WV-061-004076-012	Robert Lee Post, a/k/a Robert Post, a/k/a Robert L. Post (Mary K. Post heir)	Northeast Natural Energy LLC	12.5% or Greater	1565	191
B	WV-061-004076-002	Martha Susan Post, f/k/a Martha Susan Post Pirmann, a/k/a Martha Pirmann (Mary K. Post heir)	Northeast Natural Energy LLC	12.5% or Greater	1562	745
B	WV-061-004076-005	Mara Post Nichols, a/k/a Mara Nichols (Mary K. Post heir)	Northeast Natural Energy LLC	12.5% or Greater	1566	533
B	WV-061-004076-009	Joshua Post (Mary K. Post heir)	Northeast Natural Energy LLC	12.5% or Greater	1565	193
B	WV-061-004076-011	Jennifer Clare Bottoni, a/k/a Jennifer Bottoni, a/k/a Jennifer Post Bottoni, f/k/a Jennifer Post (Mary K. Post heir)	Northeast Natural Energy LLC	12.5% or Greater	1565	588
B	WV-061-004076-013	Tori Birch, a/k/a Victoria Birch, a/k/a Victoria Post Birch (Mary K. Post heir)	Northeast Natural Energy LLC	12.5% or Greater	1568	509
B	WV-061-004076-006	Seth Pirmann, Sr., a/k/a Seth Pirmann (Mary K. Post heir)	Northeast Natural Energy LLC	12.5% or Greater	1563	188
B	WV-061-004076-008	Stacy Pirmann, a/k/a Stacy Duffy (Mary K. Post heir)	Northeast Natural Energy LLC	12.5% or Greater	1565	195
B	WV-061-004076-001	Sadie Pirmann Werley, a/k/a Sadie Bonilla (Mary K. Post heir)	Northeast Natural Energy LLC	12.5% or Greater	1562	743
B	WV-061-004076-004	Jamie Lyn Pirmann (Steven Wayne Pirmann, Jr. heir)	Northeast Natural Energy LLC	12.5% or Greater	1562	741
B	WV-061-004076-003	Addisville Reformed Church (Mary K. Post heir)	Northeast Natural Energy LLC	12.5% or Greater	1562	747
C	WV-061-004463-001	Patricia A. Haught	Northeast Natural Energy LLC	12.5% or Greater	1585	207
C	WV-061-004463-006	Regina Sue White	Northeast Natural Energy LLC	12.5% or Greater	1589	799
C	WV-061-004463-014	Belva York	Northeast Natural Energy LLC	12.5% or Greater	1589	833
C	WV-061-004463-010	Gary K. Moore and Janice Moore	Northeast Natural Energy LLC	12.5% or Greater	1589	829
C	WV-061-004463-012	Eric R. Moore and Connie L. Moore	Northeast Natural Energy LLC	12.5% or Greater	1589	809
C	WV-061-004463-009	Karen Breedlove	Northeast Natural Energy LLC	12.5% or Greater	1589	805
C	WV-061-004463-007	Kathy Sue Breedlove	Northeast Natural Energy LLC	12.5% or Greater	1589	801

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Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
C	WV-061-004463-021	Robert C. Moore, a/k/a Bobby Moore	Northeast Natural Energy LLC	12.5% or Greater	1591	288
C	WV-061-004463-008	William K. Moore (Executor)	Northeast Natural Energy LLC	12.5% or Greater	1589	803
C	WV-061-004463-011	Shirley Foster	Northeast Natural Energy LLC	12.5% or Greater	1589	807
C	WV-061-004463-013	Jackie Cotter	Northeast Natural Energy LLC	12.5% or Greater	1589	831
C	WV-061-004463-015	Ronald J. Haught	Northeast Natural Energy LLC	12.5% or Greater	1590	343
C	WV-061-004463-004	David M. Haught	Northeast Natural Energy LLC	12.5% or Greater	1588	434
C	WV-061-004463-017	Stanley L. Haught	Northeast Natural Energy LLC	12.5% or Greater	1591	280
C	WV-061-004463-003	Warren P. Haught	Northeast Natural Energy LLC	12.5% or Greater	1588	432
C	WV-061-004463-005	Connie S. Leary	Northeast Natural Energy LLC	12.5% or Greater	1588	436
C	WV-061-004463-016	Robert N. Tennant	Northeast Natural Energy LLC	12.5% or Greater	1590	345
C	WV-061-004463-018	Louella K. Woods, a/k/a Louella Tennant	Northeast Natural Energy LLC	12.5% or Greater	1591	282
C	WV-061-004463-020	Belletta Kasha Haught	Northeast Natural Energy LLC	12.5% or Greater	1591	286
C	WV-061-004463-019	Dale Haught	Northeast Natural Energy LLC	12.5% or Greater	1591	284
C	WV-061-004463-022	Patricia L. Haught	Northeast Natural Energy LLC	12.5% or Greater	1591	543
C	WV-061-004463-024	Lena R. Hendershot	Northeast Natural Energy LLC	12.5% or Greater	1602	29
C	WV-061-005188-001	Robert K. Tennant	Northeast Natural Energy LLC	12.5% or Greater	1621	770
D	WV-061-004189-001	Haymaker Properties, LP	Northeast Natural Energy LLC	12.5% or Greater	1564	124
E	WV-061-005638-001	Ridgetop Appalachia, LLC.	Northeast Natural Energy LLC	12.5% or Greater	1697	711
F	WV-061-004301-001	Randy D. Hamilton and Susan K. Hamilton	Northeast Natural Energy LLC	12.5% or Greater	1573	192
G	WV-061-004358-003	Kathleen Atha	Northeast Natural Energy LLC	12.5% or Greater	1576	478
G	WV-061-004481-001	The Burns Family General Partnership	Northeast Natural Energy LLC	12.5% or Greater	1585	473
G	WV-061-004268-003	Commissariat of The Holy Land, Franciscan Monastery	Northeast Natural Energy LLC	12.5% or Greater	1592	444
G	WV-061-004301-001	Randy D. Hamilton and Susan K. Hamilton	Northeast Natural Energy LLC	12.5% or Greater	1573	192
G	WV-061-004268-001	Ruth Ann Burns, a/k/a Ruth Burns	Northeast Natural Energy LLC	12.5% or Greater	1570	717
G	WV-061-004268-002	Nancy Lawler, a/k/a Nancy B. Lawler	Northeast Natural Energy LLC	12.5% or Greater	1570	715
G	WV-061-004358-014	Susan K. Skinner	Northeast Natural Energy LLC	12.5% or Greater	1602	201
G	WV-061-004358-011	Linda L. Bellife	Northeast Natural Energy LLC	12.5% or Greater	1601	502
G	WV-061-004358-012	Pamela Harris	Northeast Natural Energy LLC	12.5% or Greater	1601	504
G	WV-061-004358-013	Teena Cooke	Northeast Natural Energy LLC	12.5% or Greater	1602	25
G	WV-061-004358-008	Kerry M. Atha, a/k/a Kerry Atha	Northeast Natural Energy LLC	12.5% or Greater	1580	611
G	WV-061-004358-006	Kristina Hellyer Dow	Northeast Natural Energy LLC	12.5% or Greater	1580	438
G	WV-061-004358-004	Rebel Clair	Northeast Natural Energy LLC	12.5% or Greater	1576	566
G	WV-061-004358-001	Thomas M. Atha, a/k/a Thomas Atha	Northeast Natural Energy LLC	12.5% or Greater	1576	474
G	WV-061-004358-009	Dawn Michelle Fry	Northeast Natural Energy LLC	12.5% or Greater	1581	343
G	WV-061-004358-002	William Atha Jr., a/k/a William Atha II	Northeast Natural Energy LLC	12.5% or Greater	1576	476
H	WV-061-004357-005	Kathleen Atha	Northeast Natural Energy LLC	12.5% or Greater	1579	246
H	WV-061-001906-020	Fielding H. Yost, III	Northeast Natural Energy LLC	12.5% or Greater	1628	365

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Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
H	WV-061-001906-017	Kenneth D. Cameron	Northeast Natural Energy LLC	12.5% or Greater	1623	513
H	WV-061-001906-032	Shirley Jean Tennant Simpson	Northeast Natural Energy LLC	12.5% or Greater	1657	290
H	WV-061-001906-018	Carolyn Gray	Northeast Natural Energy LLC	12.5% or Greater	1622	612
H	WV-061-001906-024	Leah Darlene Earle	Northeast Natural Energy LLC	12.5% or Greater	1628	197
H	WV-061-001906-030	Ann D. Nice	Northeast Natural Energy LLC	12.5% or Greater	1640	487
H	WV-061-001906-021	Mary M. Gump	Northeast Natural Energy LLC	12.5% or Greater	1628	680
H	WV-061-001906-033	Velma Meta Gross	Northeast Natural Energy LLC	12.5% or Greater	1675	173
H	WV-061-001906-019	Edwin D. Michael, a/k/a Edwin Michael	Northeast Natural Energy LLC	12.5% or Greater	1623	113
H	WV-061-001906-022	Nancy L. Gump	Northeast Natural Energy LLC	12.5% or Greater	1628	368
H	WV-061-001906-026	Janice G. Rawe	Northeast Natural Energy LLC	12.5% or Greater	1566	466
H	WV-061-001906-025	Mary Sue Beckley	Northeast Natural Energy LLC	12.5% or Greater	1566	575
H	WV-061-001906-027	Wilma Lee Walker, a/k/a Wilma Lea Walker	Northeast Natural Energy LLC	12.5% or Greater	1633	338
H	WV-061-001906-028	Eileen DiBenedetto, a/k/a Eileen Mae DiBenedetto	Northeast Natural Energy LLC	12.5% or Greater	1635	342
H	WV-061-001906-013	Nancy Lawler, a/k/a Nancy B. Lawler	Northeast Natural Energy LLC	12.5% or Greater	1567	442
H	WV-061-001906-014	Ruth Ann Burns, a/k/a Ruth Burns	Northeast Natural Energy LLC	12.5% or Greater	1567	440
H	WV-061-001906-023	Commissariat of The Holy Land, Franciscan Monastery	Northeast Natural Energy LLC	12.5% or Greater	1628	213
H	WV-061-004357-010	The Burns Family General Partnership	Northeast Natural Energy LLC	12.5% or Greater	1589	286
H	WV-061-004357-015	Susan K. Skinner	Northeast Natural Energy LLC	12.5% or Greater	1607	758
H	Wv-061-004357-014	Linda L. Bellile	Northeast Natural Energy LLC	12.5% or Greater	1607	586
H	WV-061-004357-012	Pamela Harris	Northeast Natural Energy LLC	12.5% or Greater	1607	77
H	WV-061-004357-013	Teena Cooke	Northeast Natural Energy LLC	12.5% or Greater	1607	79
H	WV-061-004357-008	Kerry M. Atha, a/k/a Kerry Atha	Northeast Natural Energy LLC	12.5% or Greater	1580	609
H	WV-061-004357-007	Kristina Hellyer Dow	Northeast Natural Energy LLC	12.5% or Greater	1580	606
H	WV-061-004357-004	Rafferty Atha Jackson, a/k/a Rafferty Atha, a/k/a Nancy Leigh Atha	Northeast Natural Energy LLC	12.5% or Greater	1578	514
H	WV-061-004357-003	Rebel Clair, f/k/a Rebel Porter, a/k/a Rebel Leigh Wetmore	Northeast Natural Energy LLC	12.5% or Greater	1576	563
H	WV-061-004357-001	Thomas M. Atha, a/k/a Thomas Atha	Northeast Natural Energy LLC	12.5% or Greater	1576	470
H	WV-061-004357-009	Dawn Michelle Fry	Northeast Natural Energy LLC	12.5% or Greater	1581	341
H	WV-061-004357-002	William Atha Jr., a/k/a William Atha II	Northeast Natural Energy LLC	12.5% or Greater	1576	472
I	WV-061-002123-007	John C. Jones, a/k/a John Calvin Jones and Pauline Jones (JTROS)	Northeast Natural Energy LLC	12.5% or Greater	1687	499
I	WV-061-002123-009	Thomas D. Jones	Northeast Natural Energy LLC	12.5% or Greater	1691	727
I	WV-061-002123-008	Janet D. Crabtree	Northeast Natural Energy LLC	12.5% or Greater	1687	501
J	WV-061-001918-042	Elizabeth Durning	Northeast Natural Energy LLC	12.5% or Greater	1580	540
J	WV-061-001918-033	Animal Rescue, Inc.	Northeast Natural Energy LLC	12.5% or Greater	1578	305
J	WV-061-001918-061	Barbara Fox	Northeast Natural Energy LLC	12.5% or Greater	1595	409
J	WV-061-001918-098	Betty Lou Tiner	Northeast Natural Energy LLC	12.5% or Greater	1611	361

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Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
J	WV-061-001918-129	Bradley A. Lough	Northeast Natural Energy LLC	12.5% or Greater	133	496
J	WV-061-001918-053	Brenda L. Harrold a/k/a Brenda Lough	Northeast Natural Energy LLC	12.5% or Greater	1589	251
J	WV-061-001918-029	Brenda N. Schubert	Northeast Natural Energy LLC	12.5% or Greater	1578	301
J	WV-061-001918-108	Bryan L. Fitch	Northeast Natural Energy LLC	12.5% or Greater	1619	658
J	WV-061-001918-106	Bryan Moe	Northeast Natural Energy LLC	12.5% or Greater	1615	658
J	WV-061-001918-038	Carol Dykman	Northeast Natural Energy LLC	12.5% or Greater	1578	182
J	WV-061-001918-040	Charles W. Gump and Dixie Lynn Gump	Northeast Natural Energy LLC	12.5% or Greater	1508	16
J	Wv-061-001918-018	Charlotte Fontenot	Northeast Natural Energy LLC	12.5% or Greater	1575	506
J	WV-061-001918-052	Charlotte R. Duckett a/k/a Charlotte Bushor	Northeast Natural Energy LLC	12.5% or Greater	1589	249
J	WV-061-001918-032	Dacy Joe Coleman	Northeast Natural Energy LLC	12.5% or Greater	1578	339
J	WV-061-001918-045	Connie S. Dobbe	Northeast Natural Energy LLC	12.5% or Greater	1580	552
J	WV-061-001918-051	Pam Campbell a/k/a Pamela Jean Campbell	Northeast Natural Energy LLC	12.5% or Greater	1587	276
J	WV-061-001918-043	David O. Campbell	Northeast Natural Energy LLC	12.5% or Greater	1580	548
J	WV-061-001918-051	Pamela G. Campbell	Northeast Natural Energy LLC	12.5% or Greater	1587	276
J	WV-061-001918-131	Julie Campbell	Northeast Natural Energy LLC	12.5% or Greater	1653	167
J	WV-061-004370-006	Daniel Chrisholm Shott	Northeast Natural Energy LLC	12.5% or Greater	1587	255
J	WV-061-001918-063	Darrell Fox	Northeast Natural Energy LLC	12.5% or Greater	1595	413
J	WV-061-001918-102	David Brandow	Northeast Natural Energy LLC	12.5% or Greater	1613	323
J	WV-061-004370-008	David Hanes	Northeast Natural Energy LLC	12.5% or Greater	1599	91
J	WV-061-001918-110	Deborah Yach	Northeast Natural Energy LLC	12.5% or Greater	1619	623
J	WV-061-001918-099	Donald Lee Gentry	Northeast Natural Energy LLC	12.5% or Greater	1611	363
J	WV-061-001918-015	Donna Roy	Northeast Natural Energy LLC	12.5% or Greater	1575	501
J	WV-061-001918-080	Douglas Hanes	Northeast Natural Energy LLC	12.5% or Greater	1600	565
J	WV-061-001918-044	Drexel Campbell	Northeast Natural Energy LLC	12.5% or Greater	1580	550
J	WV-061-001918-075	Eleanor Wilson	Northeast Natural Energy LLC	12.5% or Greater	1598	703
J	WV-061-001918-056	Eva Howard	Northeast Natural Energy LLC	12.5% or Greater	1594	733
J	WV-061-001918-090	Gary Hall	Northeast Natural Energy LLC	12.5% or Greater	1607	728
J	WV-061-001918-089	Gary Preston	Northeast Natural Energy LLC	12.5% or Greater	1606	440
J	WV-061-001918-014	Glenn Allen Smith	Northeast Natural Energy LLC	12.5% or Greater	1575	712
J	WV-061-004370-005	Grace Shott Clardy	Northeast Natural Energy LLC	12.5% or Greater	1580	746
J	WV-061-001918-026	Henry Sollars	Northeast Natural Energy LLC	12.5% or Greater	1578	297
J	WV-061-004370-011	Hugh Isaac Shott, II	Northeast Natural Energy LLC	12.5% or Greater	1608	565
J	WV-061-001918-105	Iris K. Herron	Northeast Natural Energy LLC	12.5% or Greater	1615	655
J	WV-061-001918-0039	Ivan Lee Kent	Northeast Natural Energy LLC	12.5% or Greater	1578	153
J	WV-061-004370-004	James H. Shott, III	Northeast Natural Energy LLC	12.5% or Greater	1580	613
J	WV-061-001918-030	Jamie L. Goodale	Northeast Natural Energy LLC	12.5% or Greater	1578	303
J	WV-061-004370-001	Jane C. McCamic, f/k/a Jane C. Vieweg	Northeast Natural Energy LLC	12.5% or Greater	1578	425

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Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
J	WV-061-001918-025	Janet Russell	Northeast Natural Energy LLC	12.5% or Greater	1578	295
J	WV-061-001918-107	Jeanne Marlynn Homan	Northeast Natural Energy LLC	12.5% or Greater	1615	660
J	WV-061-004370-010	John Cary Shott	Northeast Natural Energy LLC	12.5% or Greater	1607	588
J	WV-061-001918-095	John Evans	Northeast Natural Energy LLC	12.5% or Greater	1611	257
J	WV-061-001918-028	John L. Sollars	Northeast Natural Energy LLC	12.5% or Greater	1578	299
J	WV-061-001918-035	John Leroy Gump and Shelia Ann Gump	Northeast Natural Energy LLC	12.5% or Greater	1578	481
J	WV-061-001918-101	Kathy Fort	Northeast Natural Energy LLC	12.5% or Greater	1613	321
J	WV-061-001918-064	Kay McGaffick	Northeast Natural Energy LLC	12.5% or Greater	1596	582
J	WV-061-001918-109	Kelly R. Ferguson	Northeast Natural Energy LLC	12.5% or Greater	1619	660
J	WV-061-001918-027	Linda Bilby	Northeast Natural Energy LLC	12.5% or Greater	1578	525
J	WV-061-001918-071	Linda Lough Diviney	Northeast Natural Energy LLC	12.5% or Greater	1596	488
J	WV-061-001918-100	Linda Wilcoxson	Northeast Natural Energy LLC	12.5% or Greater	1611	365
J	WV-061-001918-112	Liz Marie Lemcke	Northeast Natural Energy LLC	12.5% or Greater	1625	500
J	WV-061-001918-081	Margaret H. Wise	Northeast Natural Energy LLC	12.5% or Greater	1604	162
J	WV-061-001918-048	Marilyn Whitenack	Northeast Natural Energy LLC	12.5% or Greater	1584	770
J	WV-061-001918-093	Mark Barmann	Northeast Natural Energy LLC	12.5% or Greater	1611	245
J	WV-061-001918-094	Mark Evans	Northeast Natural Energy LLC	12.5% or Greater	1611	247
J	WV-061-004370-007	Martha Sue Forbes	Northeast Natural Energy LLC	12.5% or Greater	1587	259
J	WV-061-001918-115	Mary K. Hawkins	Northeast Natural Energy LLC	12.5% or Greater	1640	455
J	WV-061-001918-046	Mary Kay Graves	Northeast Natural Energy LLC	12.5% or Greater	1581	303
J	WV-061-001918-013	Mary Longe	Northeast Natural Energy LLC	12.5% or Greater	1575	499
J	WV-061-001918-020	Mary Sue Webb	Northeast Natural Energy LLC	12.5% or Greater	1576	447
J	WV-061-001918-059	Melinda Shoup	Northeast Natural Energy LLC	12.5% or Greater	1595	405
J	WV-061-001918-103	Michael Brandow	Northeast Natural Energy LLC	12.5% or Greater	1613	738
J	WV-061-001918-125	Michael W. Dimond	Northeast Natural Energy LLC	12.5% or Greater	1640	489
J	WV-061-001918-128	Ann D. Nice	Northeast Natural Energy LLC	12.5% or Greater	1640	497
J	WV-061-001918-117	Carolyn Gray	Northeast Natural Energy LLC	12.5% or Greater	1628	372
J	WV-061-001918-114	Edwin D. Michae	Northeast Natural Energy LLC	12.5% or Greater	1623	117
J	WV-061-001918-124	Eileen DiBenedetto	Northeast Natural Energy LLC	12.5% or Greater	1635	344
J	WV-061-001918-114	Edwin Daryl Michael	Northeast Natural Energy LLC	12.5% or Greater	1623	117
J	WV-061-001918-122	Janice G. Rawe	Northeast Natural Energy LLC	12.5% or Greater	1631	306
J	WV-061-001918-116	Leah Darlene Earle	Northeast Natural Energy LLC	12.5% or Greater	1628	370
J	WV-061-001918-119	Mary M. Gump	Northeast Natural Energy LLC	12.5% or Greater	1627	551
J	WV-061-001918-121	Mary Sue Beckley	Northeast Natural Energy LLC	12.5% or Greater	1629	108
J	WV-061-001918-118	Nancy L. Gump	Northeast Natural Energy LLC	12.5% or Greater	1628	374
J	WV-061-001918-133	Shirley Jean Tennant Simpson	Northeast Natural Energy LLC	12.5% or Greater	1397	847
J	WV-061-001918-008	Wilma Lee Walker	Northeast Natural Energy LLC	12.5% or Greater	1382	703

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Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
J	WV-061-001918-060	Pamela K. Fox Floyd	Northeast Natural Energy LLC	12.5% or Greater	1595	407
J	WV-061-001918-062	Patricia Ann Fox	Northeast Natural Energy LLC	12.5% or Greater	1595	411
J	WV-061-001918-016	Patricia Bryant	Northeast Natural Energy LLC	12.5% or Greater	1575	544
J	WV-061-001918-017	Rebecca Sue Collins	Northeast Natural Energy LLC	12.5% or Greater	1575	504
J	WV-061-001918-070	Rex J. Fox	Northeast Natural Energy LLC	12.5% or Greater	1596	486
J	WV-061-001918-120	Richard Brandow	Northeast Natural Energy LLC	12.5% or Greater	1628	201
J	WV-061-001918-077	Richard Earl Wilson	Northeast Natural Energy LLC	12.5% or Greater	1598	705
J	WV-061-001918-019	Richard G. Gump	Northeast Natural Energy LLC	12.5% or Greater	1576	445
J	WV-061-001918-057	Robert "Chuck" Fox	Northeast Natural Energy LLC	12.5% or Greater	1595	401
J	WV-061-001918-126	Robert D. Herron	Northeast Natural Energy LLC	12.5% or Greater	1640	492
J	WV-061-001918-127	Robert Hanes, D.C.	Northeast Natural Energy LLC	12.5% or Greater	1640	495
J	WV-061-001918-104	Robert Scott Brandow	Northeast Natural Energy LLC	12.5% or Greater	1613	740
J	WV-061-001918-047	Roberta Elizabeth Babcock Frisell	Northeast Natural Energy LLC	12.5% or Greater	1584	768
J	WV-061-001918-096	Ronald Hall	Northeast Natural Energy LLC	12.5% or Greater	1611	650
J	WV-061-001918-041	Ruth Ann Frisell	Northeast Natural Energy LLC	12.5% or Greater	1580	538
J	WV-061-001918-024	Sandra J. Henderson, a/k/a Sandra Sollars	Northeast Natural Energy LLC	12.5% or Greater	1578	293
J	WV-061-001918-088	Sandy Konarske	Northeast Natural Energy LLC	12.5% or Greater	1604	820
J	WV-061-004370-012	Scott Hamilton Shott	Northeast Natural Energy LLC	12.5% or Greater	1608	563
J	WV-061-001918-083	Scott Preston	Northeast Natural Energy LLC	12.5% or Greater	1602	195
J	WV-061-001918-022	Sharon L. Fletchall	Northeast Natural Energy LLC	12.5% or Greater	1576	822
J	WV-061-001918-111	Sherry A. Hernandez	Northeast Natural Energy LLC	12.5% or Greater	1622	278
J	WV-061-001918-049	Shirley Cipollone	Northeast Natural Energy LLC	12.5% or Greater	1589	247
J	WV-061-001918-021	Simon Coolidge Gump and Dolly Deloris Gump	Northeast Natural Energy LLC	12.5% or Greater	1576	449
J	WV-061-001918-034	Singerly Fire Company	Northeast Natural Energy LLC	12.5% or Greater	1578	479
J	WV-061-001918-087	Steven Gunther	Northeast Natural Energy LLC	12.5% or Greater	1604	818
J	WV-061-004370-002	Thomas C. Shott	Northeast Natural Energy LLC	12.5% or Greater	1580	78
J	WV-061-001918-031	Tiffany Sollars	Northeast Natural Energy LLC	12.5% or Greater	1578	519
J	WV-061-001918-113	Tracie Field Harrington	Northeast Natural Energy LLC	12.5% or Greater	1623	115
J	WV-061-001918-037	Union Hospital of Cecil County Foundation, Inc., f/k/a Northern Chesapeak Hospice Foundation	Northeast Natural Energy LLC	12.5% or Greater	1578	8
J	WV-061-001918-036	Vivian Louise Baker, f/k/a Vivian Louise Taylor,	Northeast Natural Energy LLC	12.5% or Greater	1578	613
J	WV-061-001918-130	William Dean Lough	Northeast Natural Energy LLC	12.5% or Greater	133	500
J	WV-061-001918-097	William Jennings	Northeast Natural Energy LLC	12.5% or Greater	1611	359
K	WV-061-001918-128	Ann D. Nice	Northeast Natural Energy LLC	12.5% or Greater	1640	497
K	WV-061-001918-034	Singerly Fire Company	Northeast Natural Energy LLC	12.5% or Greater	1578	479
K	WV-061-001918-037	Union Hospital of Cecil County Foundation, Inc., f/k/a Northern Chesapeak Hospice Foundation	Northeast Natural Energy LLC	12.5% or Greater	1578	8

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Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
K	WV-061-001918-053	Brenda L. Harrold a/k/a Brenda Lough	Northeast Natural Energy LLC	12.5% or Greater	1589	251
K	WV-061-001918-052	Charlotte R. Duckett a/k/a Charlotte Bushor	Northeast Natural Energy LLC	12.5% or Greater	1589	249
K	WV-061-001918-081	Margaret Lloyd Hanes Wise	Northeast Natural Energy LLC	12.5% or Greater	1604	162
K	WV-061-001918-127	Robert Hanes, D.C.	Northeast Natural Energy LLC	12.5% or Greater	1640	495
K	WV-061-001918-091	David Hanes	Northeast Natural Energy LLC	12.5% or Greater	1610	399
K	WV-061-001918-080	Douglas Hanes	Northeast Natural Energy LLC	12.5% or Greater	1600	565
K	WV-061-001918-042	Elizabeth Durning	Northeast Natural Energy LLC	12.5% or Greater	1580	540
K	WV-061-001918-032	Dacy Joe Coleman	Northeast Natural Energy LLC	12.5% or Greater	1578	339
K	WV-061-001918-015	Donna Roy	Northeast Natural Energy LLC	12.5% or Greater	1575	501
K	WV-061-001918-016	Patricia Bryant	Northeast Natural Energy LLC	12.5% or Greater	1575	544
K	WV-061-001918-014	Glenn Allen Smith	Northeast Natural Energy LLC	12.5% or Greater	1575	712
K	WV-061-001918-075	Eleanor Wilson	Northeast Natural Energy LLC	12.5% or Greater	1598	703
K	WV-061-001918-077	Richard Earl Wilson	Northeast Natural Energy LLC	12.5% or Greater	1598	705
K	WV-061-001918-083	Scott Preston	Northeast Natural Energy LLC	12.5% or Greater	1602	195
K	WV-061-001918-089	Gary Preston	Northeast Natural Energy LLC	12.5% or Greater	1606	440
K	WV-061-001918-041	Ruth Ann Frisell	Northeast Natural Energy LLC	12.5% or Greater	1580	538
K	WV-061-001918-017	Rebecca Sue Collins	Northeast Natural Energy LLC	12.5% or Greater	1575	504
K	Wv-061-001918-018	Charlotte Fontenot	Northeast Natural Energy LLC	12.5% or Greater	1575	506
K	WV-061-001918-047	Roberta Elizabeth Babcock Frisell	Northeast Natural Energy LLC	12.5% or Greater	1584	768
K	WV-061-001918-038	Carol Dykman	Northeast Natural Energy LLC	12.5% or Greater	1578	182
K	WV-061-001918-013	Mary Longe	Northeast Natural Energy LLC	12.5% or Greater	1575	499
K	WV-061-001918-022	Sharon L. Fletchall, a/k/a Sharon Leslie Fletchall	Northeast Natural Energy LLC	12.5% or Greater	1576	822
K	WV-061-001918-048	Marilyn Whitenack	Northeast Natural Energy LLC	12.5% or Greater	1584	770
K	WV-061-001918-116	Leah Darlene Earle	Northeast Natural Energy LLC	12.5% or Greater	1628	370
K	WV-061-001918-117	Carolyn Gray	Northeast Natural Energy LLC	12.5% or Greater	1628	372
K	WV-061-001918-124	Eileen DiBenedetto	Northeast Natural Energy LLC	12.5% or Greater	1635	344
K	WV-061-001918-122	Janice G. Rawe	Northeast Natural Energy LLC	12.5% or Greater	1631	306
K	WV-061-001918-121	Mary Sue Beckley	Northeast Natural Energy LLC	12.5% or Greater	1629	108
K	WV-061-001918-119	Mary M. Gump	Northeast Natural Energy LLC	12.5% or Greater	1627	551
K	WV-061-001918-118	Nancy L. Gump	Northeast Natural Energy LLC	12.5% or Greater	1628	374
K	WV-061-001918-019	Richard G. Gump	Northeast Natural Energy LLC	12.5% or Greater	1576	445
K	WV-061-001918-036	Vivian Louise Baker, f/k/a Vivian Louise Taylor	Northeast Natural Energy LLC	12.5% or Greater	1578	613
K	WV-061-001918-020	Mary Sue Webb	Northeast Natural Energy LLC	12.5% or Greater	1576	447
K	WV-061-001918-021	Simon Coolidge Gump and Dolly Deloris Gump	Northeast Natural Energy LLC	12.5% or Greater	1576	449
K	WV-061-001918-035	John Leroy Gump and Shelia Ann Gump	Northeast Natural Energy LLC	12.5% or Greater	1578	481
K	WV-061-001918-040	Charles W. Gump and Dixie Lynn Gump	Northeast Natural Energy LLC	12.5% or Greater	1508	16
K	WV-061-001918-074	Rex J. Fox	Northeast Natural Energy LLC	12.5% or Greater	1596	486

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Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
K	WV-061-001918-064	Kay McGaffick	Northeast Natural Energy LLC	12.5% or Greater	1596	582
K	WV-061-001918-096	Ronald Hall	Northeast Natural Energy LLC	12.5% or Greater	1611	650
K	WV-061-001918-090	Gary Hall	Northeast Natural Energy LLC	12.5% or Greater	1607	728
K	WV-061-001918-058	Norma J. Smith, a/k/a Norma Jene Smith	Northeast Natural Energy LLC	12.5% or Greater	1595	403
K	WV-061-001918-063	Darrell Fox	Northeast Natural Energy LLC	12.5% or Greater	1595	413
K	WV-061-001918-057	Robert "Chuck" Fox	Northeast Natural Energy LLC	12.5% or Greater	1595	401
K	WV-061-001918-060	Pamela K. Fox Floyd	Northeast Natural Energy LLC	12.5% or Greater	1595	407
K	WV-061-001918-061	Barbara Fox	Northeast Natural Energy LLC	12.5% or Greater	1595	409
K	WV-061-001918-059	Melinda Shoup	Northeast Natural Energy LLC	12.5% or Greater	1595	405
K	WV-061-001918-049	Shirley Cipollone	Northeast Natural Energy LLC	12.5% or Greater	1589	247
K	WV-061-001918-088	Sandy Konarske	Northeast Natural Energy LLC	12.5% or Greater	1604	820
K	WV-061-001918-087	Steven Gunther	Northeast Natural Energy LLC	12.5% or Greater	1604	818
K	WV-061-001918-114	Edwin D. Michael, a/k/a Edwin Michael	Northeast Natural Energy LLC	12.5% or Greater	1623	117
K	WV-061-001918-114	Edwin Daryl Michael	Northeast Natural Energy LLC	12.5% or Greater	1623	117
K	WV-061-001918-133	Shirley Jean Tennant Simpson	Northeast Natural Energy LLC	12.5% or Greater	1657	292
K	WV-061-001918-123	Wilma Lee Walker, a/k/a Wilma Lea Walker	Northeast Natural Energy LLC	12.5% or Greater	1633	340
K	WV-061-001918-062	Patricia Ann Fox	Northeast Natural Energy LLC	12.5% or Greater	1595	411
K	WV-061-001918-071	Linda Lough Diviney	Northeast Natural Energy LLC	12.5% or Greater	1596	488
K	WV-061-001918-044	Drexel Campbell	Northeast Natural Energy LLC	12.5% or Greater	1580	550
K	WV-061-001918-085	Pam Campbell a/k/a Pamela Jean Campbell	Northeast Natural Energy LLC	12.5% or Greater	1604	164
K	WV-061-001918-043	David O. Campbell	Northeast Natural Energy LLC	12.5% or Greater	1580	548
K	WV-061-001918-045	Connie S. Dobbe	Northeast Natural Energy LLC	12.5% or Greater	1580	552
K	WV-061-001918-051	Pamela G. Campbell	Northeast Natural Energy LLC	12.5% or Greater	1587	276
K	WV-061-001918-131	Julie Campbell	Northeast Natural Energy LLC	12.5% or Greater	1653	167
K	WV-061-001918-109	Kelly R. Ferguson	Northeast Natural Energy LLC	12.5% or Greater	1619	659
K	WV-061-001918-108	Bryan L. Fitch	Northeast Natural Energy LLC	12.5% or Greater	1619	658
K	WV-061-001918-104	Robert Scott Brandow	Northeast Natural Energy LLC	12.5% or Greater	1613	740
K	WV-061-001918-103	Michael Brandow	Northeast Natural Energy LLC	12.5% or Greater	1613	738
K	WV-061-001918-102	David Brandow	Northeast Natural Energy LLC	12.5% or Greater	1613	323
K	WV-061-001918-093	Mark Barmann	Northeast Natural Energy LLC	12.5% or Greater	1611	245
K	WV-061-001918-126	Robert D. Herron	Northeast Natural Energy LLC	12.5% or Greater	1640	492
K	WV-061-001918-105	Iris K. Herron	Northeast Natural Energy LLC	12.5% or Greater	1615	655
K	WV-061-001918-125	Michael W. Dimond	Northeast Natural Energy LLC	12.5% or Greater	1640	489
K	WV-061-001918-111	Sherry A. Hernandez	Northeast Natural Energy LLC	12.5% or Greater	1622	278
K	WV-061-001918-112	Liz Marie Lemcke	Northeast Natural Energy LLC	12.5% or Greater	1625	500
K	WV-061-001918-115	Mary K. Hawkins	Northeast Natural Energy LLC	12.5% or Greater	1640	455
K	WV-061-001918-098	Betty Lou Tiner	Northeast Natural Energy LLC	12.5% or Greater	1611	361

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Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
K	WV-061-001918-099	Donald Lee Gentry	Northeast Natural Energy LLC	12.5% or Greater	1611	363
K	WV-061-001918-107	Jeanne Marlynn Homan	Northeast Natural Energy LLC	12.5% or Greater	1615	660
K	WV-061-001918-106	Bryan Moe	Northeast Natural Energy LLC	12.5% or Greater	1615	658
K	WV-061-001918-113	Tracie Field Harrington	Northeast Natural Energy LLC	12.5% or Greater	1623	115
K	WV-061-001918-120	Richard Brandow	Northeast Natural Energy LLC	12.5% or Greater	1628	201
K	WV-061-001918-101	Kathy Fort	Northeast Natural Energy LLC	12.5% or Greater	1613	321
K	WV-061-001918-100	Linda Wilcoxson	Northeast Natural Energy LLC	12.5% or Greater	1611	365
K	WV-061-001918-097	William Jennings	Northeast Natural Energy LLC	12.5% or Greater	1611	359
K	WV-061-001918-110	Deborah Yach	Northeast Natural Energy LLC	12.5% or Greater	1619	623
K	WV-061-001918-056	Eva Howard	Northeast Natural Energy LLC	12.5% or Greater	1594	733
K	WV-061-001918-039	Ivan Lee Kent	Northeast Natural Energy LLC	12.5% or Greater	1578	153
K	WV-061-001918-046	Mary Kay Graves	Northeast Natural Energy LLC	12.5% or Greater	1581	303
K	WV-061-001918-095	John Evans	Northeast Natural Energy LLC	12.5% or Greater	1611	257
K	WV-061-001918-094	Mark Evans	Northeast Natural Energy LLC	12.5% or Greater	1611	247
K	WV-061-001918-027	Linda Bilby	Northeast Natural Energy LLC	12.5% or Greater	1578	525
K	WV-061-001918-025	Janet Russell	Northeast Natural Energy LLC	12.5% or Greater	1578	295
K	WV-061-001918-031	Tiffany Sollars	Northeast Natural Energy LLC	12.5% or Greater	1578	519
K	WV-061-001918-029	Brenda N. Schubert	Northeast Natural Energy LLC	12.5% or Greater	1578	301
K	WV-061-001918-030	Jamie L. Goodale	Northeast Natural Energy LLC	12.5% or Greater	1578	303
K	WV-061-001918-028	John L. Sollars	Northeast Natural Energy LLC	12.5% or Greater	1578	299
K	WV-061-001918-024	Sandra J. Henderson, a/k/a Sandra Sollars	Northeast Natural Energy LLC	12.5% or Greater	1578	293
K	WV-061-001918-026	Henry Sollars	Northeast Natural Energy LLC	12.5% or Greater	1578	297
K	WV-061-001918-033	Animal Rescue, Inc.	Northeast Natural Energy LLC	12.5% or Greater	1578	305

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August 18, 2020

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

RE: Phoenix 8H

Dear Permit Reviewer:

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

Sincerely,

*Charles M. Dornetto*

Charles Dornetto  
Manager – Land Operations

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

Date of Notice Certification: 8/25/2020

API No. 47- \_\_\_\_\_  
Operator's Well No. 8H  
Well Pad Name: Phoenix

**Notice has been given:**

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

State: <u>West Virginia</u>	UTM NAD 83	Easting: <u>562449.4</u>
County: <u>Monongalia</u>		Northing: <u>4388184.7</u>
District: <u>Battelle</u>	Public Road Access: <u>Graveyard Hill/Route 15/2</u>	
Quadrangle: <u>Wadestown</u>	Generally used farm name: <u>Phoenix</u>	
Watershed: <u>Dunkard Creek</u>		

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

<p>Pursuant to West Virginia Code § 22-6A, the Operator has attached proof to this Notice Certification that the Operator has properly served the required parties with the following:</p> <p>*PLEASE CHECK ALL THAT APPLY</p> <p><input type="checkbox"/> 1. NOTICE OF SEISMIC ACTIVITY or <input checked="" type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED</p> <p><input checked="" type="checkbox"/> 2. NOTICE OF ENTRY FOR PLAT SURVEY or <input type="checkbox"/> NO PLAT SURVEY WAS CONDUCTED</p> <p><input checked="" type="checkbox"/> 3. NOTICE OF INTENT TO DRILL or <input type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or</p> <p 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 align="center"><b>OOG OFFICE USE ONLY</b></p> <p><input type="checkbox"/> RECEIVED/ NOT REQUIRED</p> <p><input checked="" type="checkbox"/> RECEIVED</p> <p><input checked="" type="checkbox"/> RECEIVED/ NOT REQUIRED</p> <p><input checked="" type="checkbox"/> RECEIVED</p> <p><input checked="" type="checkbox"/> RECEIVED</p> <p><input checked="" type="checkbox"/> RECEIVED</p>
--	---

**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.

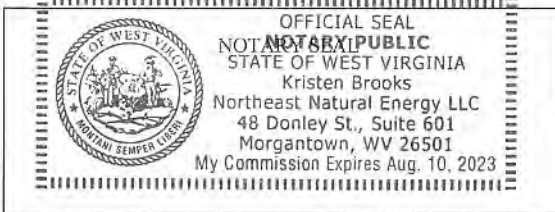
AUG 28 2020  
 WV Department of  
 Environmental Protection

WW-6AC  
(1/12)

**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>hmedley@nne-llc.com</u>



*Hollie Medley*  
 Subscribed and sworn before me this 25<sup>th</sup> day of August, 2020  
Kristen Brooks Notary Public  
 My Commission Expires August 10, 2023

**Oil and Gas Privacy Notice:**

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

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WW-6A  
(9-13)

API NO. 47- \_\_\_\_\_  
OPERATOR WELL NO. 8H \_\_\_\_\_  
Well Pad Name: Phoenix \_\_\_\_\_

**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:** 8/14/2020 **Date Permit Application Filed:** 8/24/2020

**Notice of:**

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

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

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

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

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

SURFACE OWNER(s)  
Name: see attached  
Address: \_\_\_\_\_

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

SURFACE OWNER(s) (Road and/or Other Disturbance)  
Name: see attached  
Address: \_\_\_\_\_

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

SURFACE OWNER(s) (Impoundments or Pits)  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

COAL OWNER OR LESSEE  
Name: see attached  
Address: \_\_\_\_\_

COAL OPERATOR  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)  
Name: see attached  
Address: \_\_\_\_\_

OPERATOR OF ANY NATURAL GAS STORAGE FIELD  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

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\*Please attach additional forms if necessary



**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 57<sup>th</sup> Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting [www.dep.wv.gov/oil-and-gas/pages/default.aspx](http://www.dep.wv.gov/oil-and-gas/pages/default.aspx).

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**Well Location Restrictions**

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

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(8-13)

API NO. 47-**4706101866**  
OPERATOR WELL NO. 8H  
Well Pad Name: Phoenix

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 57<sup>th</sup> St. SE  
Charleston, WV 25304  
(304) 926-0450

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

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**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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(8-13)

API NO. 47- **4706101866**  
OPERATOR WELL NO. 8H  
Well Pad Name: Phoenix

**Notice is hereby given by:**

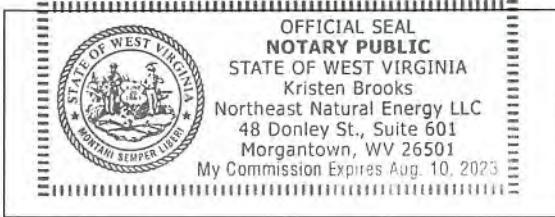
Well Operator: Northeast Natural Energy LLC  
Telephone: 304-241-5752  
Email: hmedley@nne-llc.com

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](mailto:deprivacyofficer@wv.gov).

*Holl: mmedley*



Subscribed and sworn before me this 14<sup>th</sup> day of August, 2020

*Kristen Brooks*

Notary Public

My Commission Expires August 10, 2023

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PHOENIX WATER WELLS  
AUGUST 11, 2020  
SCALE - (1" = 700')

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**SURFACE OWNER(s)**

Charles Wendell Moore  
243 Wendell Lane  
Fairview, WV 26570

Franklin M. Chisler  
1651 Days Run Rd.  
Fairview, WV 26570

Phoenix Energy Resources, LLC a.k.a.  
Phoenix Federal No 2 Mining, LLC  
863 Quail Valley Drive  
Princeton, WV 24740

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

Hilda J. Donaldson  
12 Klondike Lane  
Fairview, WV 26570

Mary Walls  
26 Log Cabin Lane  
Bridgeport, WV 26330

Kevin Ammons  
3388 Crossroads Rd.  
Fairview, WV 26570

Elizabeth Ann Durr & Randy L Durr  
11 Jordan Lane  
Morgantown, WV 26501

**SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR**

Charles Wendell Moore  
243 Wendell Lane  
Fairview, WV 26570

**COAL OWNER OR LESSEE**

Phoenix Energy Resources, LLC a.k.a.  
Phoenix Federal No 2 Mining, LLC  
863 Quail Valley Drive  
Princeton, WV 24740

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

**DECLARATION OF OIL AND GAS NOTICE**

Consolidation Coal Company  
c/o Leatherwood Inc.  
1000 Consol Energy Drive  
Canonsburg, PA 15317

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(1/12)

**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:** 5/21/20 **Date of Planned Entry:** 5/28/20

**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: See Attached  
Address: \_\_\_\_\_

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>39.641344, -80.271934</u>
County:	<u>Monongalia</u>	Public Road Access:	<u>CR 15</u>
District:	<u>Battelle</u>	Watershed:	<u>Dunkard Creek</u>
Quadrangle:	<u>Wadestown</u>	Generally used farm name:	<u>Phoenix</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 57<sup>th</sup> 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](http://www.dep.wv.gov/oil-and-gas/pages/default.aspx).

**Notice is hereby given by:**

Well Operator: Northeast Natural Energy  
Telephone: 304-414-7060  
Email: \_\_\_\_\_

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

**Oil and Gas Privacy Notice:**

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

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4706101866

**WW-6A3 Attachment**

**Phoenix Pad**

**SURFACE OWNER(s)**

Kevin Ammons  
3388 Crossroads Rd.  
Fairview, WV 26570

Phoenix Energy Resources, LLC a.k.a.  
Phoenix Federal No 2 Mining, LLC  
863 Quail Valley Drive  
Princeton, WV 24740

Charles Wendell Moore  
243 Wendell Lane  
Fairview, WV 26570

Franklin M. Chisler  
1651 Days Run Rd.  
Fairview, WV 26570

Mary Walls  
26 Log Cabin Lane  
Bridgeport, WV 26330

Hilda J. Donaldson  
12 Klondike Lane  
Fairview, WV 26570

Elizabeth Ann Durr & Randy L Durr  
11 Jordan Lane  
Morgantown, WV 26501

John Raymond Myers & Jennifer Hornsby-Myers  
1953 Miracle Run Rd.  
Fairview, WV 26570

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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:** 08/14/2020 **Date Permit Application Filed:** 08/24/2020

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

HAND DELIVERY  CERTIFIED MAIL RETURN RECEIPT REQUESTED

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

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

Name: See attached  
Address: \_\_\_\_\_

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

**Notice is hereby given:**

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

State: West Virginia UTM NAD 83 Easting: 562449.4  
County: Monongalia Northing: 4388184.7  
District: Battelle Public Road Access: Graveyard Hill/Route 15/2  
Quadrangle: Wadestown Generally used farm name: Phoenix  
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 57<sup>th</sup> Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting [www.dep.wv.gov/oil-and-gas/pages/default.aspx](http://www.dep.wv.gov/oil-and-gas/pages/default.aspx).

**Notice is hereby given by:**

Well Operator: Northeast Natural Energy  
Address: 707 Virginia St. E., Suite 1200  
Charleston, WV 25301  
Telephone: 304-414-7060  
Email: \_\_\_\_\_  
Facsimile: 304-414-7061

Authorized Representative: Hollie Medley, Regulatory Manager  
Address: 48 Donley St., Suite 601  
Morgantown, WV 26501  
Telephone: 304-241-5752  
Email: hmedley@nne-llc.com  
Facsimile: 304-241-5972

**Oil and Gas Privacy Notice:**

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

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**WW-6A4 Attachment****Phoenix Pad****SURFACE OWNER(s)**

Kevin Ammons  
3388 Crossroads Rd.  
Fairview, WV 26570

Phoenix Energy Resources, LLC a.k.a.  
Phoenix Federal No 2 Mining, LLC  
863 Quail Valley Drive  
Princeton, WV 24740

Charles Wendell Moore  
243 Wendell Lane  
Fairview, WV 26570

Franklin M. Chisler  
1651 Days Run Rd.  
Fairview, WV 26570

Mary Walls  
26 Log Cabin Lane  
Bridgeport, WV 26330

Hilda J. Donaldson  
12 Klondike Lane  
Fairview, WV 26570

Elizabeth Ann Durr & Randy L Durr  
11 Jordan Lane  
Morgantown, WV 26501

RECEIVED  
Office of Oil and Gas  
AUG 28 2020  
WV Department of  
Environmental Protection



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:** 08/14/2020 **Date Permit Application Filed:** 08/24/2020

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

- CERTIFIED MAIL RETURN RECEIPT REQUESTED
- HAND DELIVERY

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

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

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

Name: See Attached Name: \_\_\_\_\_  
 Address: \_\_\_\_\_ Address: \_\_\_\_\_

**Notice is hereby given:**

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

State:	<u>West Virginia</u>	UTM NAD 83	Easting:	<u>562449.4</u>
County:	<u>Monongalia</u>		Northing:	<u>4388184.7</u>
District:	<u>Battelle</u>	Public Road Access:	<u>Graveyard Hill/Route 15/2</u>	
Quadrangle:	<u>Wadestown</u>	Generally used farm name:	<u>Phoenix</u>	
Watershed:	<u>Dunkard Creek</u>			

**This Notice Shall Include:**

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

Well Operator:	<u>Northeast Natural Energy</u>	Address:	<u>707 Virginia St. E, Suite 1600</u>
Telephone:	<u>304-414-7060</u>		<u>Charleston, WV 25301</u>
Email:	<u>hmedley@nne-llc.com</u>	Facsimile:	<u>304-414-7061</u>

**Oil and Gas Privacy Notice:**

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

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**WW-6A5 Attachment**

**Phoenix Pad**

**SURFACE OWNER(s)**

Kevin Ammons  
3388 Crossroads Rd.  
Fairview, WV 26570

Phoenix Energy Resources, LLC a.k.a.  
Phoenix Federal No 2 Mining, LLC  
863 Quail Valley Drive  
Princeton, WV 24740

Charles Wendell Moore  
243 Wendell Lane  
Fairview, WV 26570

Franklin M. Chisler  
1651 Days Run Rd.  
Fairview, WV 26570

Mary Walls  
26 Log Cabin Lane  
Bridgeport, WV 26330

Hilda J. Donaldson  
12 Klondike Lane  
Fairview, WV 26570

Elizabeth Ann Durr & Randy L Durr  
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Morgantown, WV 26501

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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>562449.4</u>
County:	<u>Monongalia</u>		Northing:	<u>4388184.7</u>
District:	<u>Battelle</u>	Public Road Access:	<u>Graveyard Hill/Route 15/2</u>	
Quadrangle:	<u>Wadestown</u>	Generally used farm name:	<u>Phoenix</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: John F Hale Jr  
Print Name: John F Hale Jr  
Date: 8-21-2020

**FOR EXECUTION BY A CORPORATION, ETC.**

Company: Phoenix Energy Resources LLC  
By: MGT Partman  
Its: John F Hale

Signature: John F Hale Jr  
Date: 8-21-2020

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

WV Department of Environmental Protection

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**WEST VIRGINIA DEPARTMENT OF TRANSPORTATION**

**Division of Highways**

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

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

**August 19, 2020**

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

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

Subject: DOH Permit for the Phoenix Pad, Monongalia County  
Phoenix 8H Well Site

Dear Mr. Martin,

This well site will be accessed from a DOH permit #04-2020-0564 which has been issued to Northeast Natural Energy for access to the State Road for a well site located off Monongalia County Route 15/2 SLS MP 0.058.

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 October 1, 2018.

Very Truly Yours,

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

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

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

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### 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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PHOENIX WELL PAD  
 BATTELLE DISTRICT, MONONGALIA COUNTY, WV  
 AUGUST 2020

**WEST VIRGINIA 811**

TWO WORKING DAYS PRIOR TO EXCAVATION, THE CONTRACTOR MUST CONTACT THE WV ONE CALL SYSTEM, INC., 1-800-245-4848 (WV ONE CALL TICKET #2015627602 )

OWNER



- SHEET INDEX
1. TITLE SHEET
  - 2-3. EVACUATION ROUTE/PREVAILING WIND
  4. E&S CONTROL LAYOUT OVERVIEW
  - 5-11. E&S CONTROL LAYOUT
  12. E&S CONTROL AND SITE PLAN OVERVIEW
  - 13-19. E&S CONTROL AND SITE PLAN
  20. WELL PAD AND AST PAD CROSS-SECTIONS
  - 20A. EXCESS MATERIAL STOCKPILE AREA CROSS-SECTIONS
  21. UNDER DRAIN PROFILES
  - 22-23. ACCESS ROAD AND AST ACCESS ROAD PROFILES
  - 24-31. ACCESS ROAD CROSS-SECTIONS
  - 31A. AST ACCESS ROAD CROSS-SECTIONS
  - 32-35. DETAILS
  36. RECLAMATION PLAN OVERVIEW
  - 37-43. RECLAMATION PLAN

TOTAL LIMITS OF DISTURBANCE: 72.79 AC.  
 ACCESS ROAD DISTURBANCE AREA: 31.86 AC.  
 WELL PAD DISTURBANCE AREA: 31.65 AC.  
 AST PAD AND ACCESS ROAD DISTURBANCE AREA: 9.28 AC.

PLANS PREPARED BY:  
**BOORD BENCHEK & ASSOCIATES, INC.**  
 ENGINEERING, SURVEYING, CONSTRUCTION AND MINING SERVICES  
 SOUTHPOINTE, PA 15317 PHONE: 724-746-1055



ANDREW BENCHEK  
 P.E.

PROPERTY PROJECT BOUNDARY ACREAGE

JOHN L. & HILDA DONALDSON (TAX MAP AND PARCEL 1-24-12): 3.49 AC.  
 MARY C. WALLS (TAX MAP AND PARCEL 1-24-15): 11.07 AC.  
 KEVIN D. & MARLA J. AMMONS (TAX MAP AND PARCEL 1-24-20): 8.34 AC.  
 ELIZABETH ANN WILSON & RANDY LEE DURR (TAX MAP AND PARCEL 1-24-16): 5.82 AC.  
 CHARLES WENDELL WOODRE (TAX MAP AND PARCEL 1-24-13.1): 10.73 AC.  
 FRANKLIN M. CHISLER (TAX MAP AND PARCEL 1-17-14.1): 30.25 AC.  
 PHOENIX ENERGY RESOURCES LLC: 2.89 AC.



COORDINATES

CENTER OF WELL PAD  
 (NAD 83)  
 LAT: 39° 38' 29.00"  
 LONG: 80° 16' 18.49"  
 (NAD 27)  
 LAT: 39° 38' 28.71"  
 LONG: 80° 16' 19.22"

SITE ENTRANCE  
 (NAD 83)  
 LAT: 39° 38' 05.18"  
 LONG: 80° 17' 12.01"  
 (NAD 27)  
 LAT: 39° 38' 04.89"  
 LONG: 80° 17' 12.73"



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

REVISIONS	
NO.	DATE
1	8/11/20
	REVISED FOR WOODRE WELL CROSS-SECTION ONLY 1:20

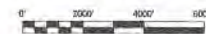
TITLE SHEET

PHOENIX WELL PAD  
 BATTELLE DISTRICT, MONONGALIA COUNTY, WV

SHEET

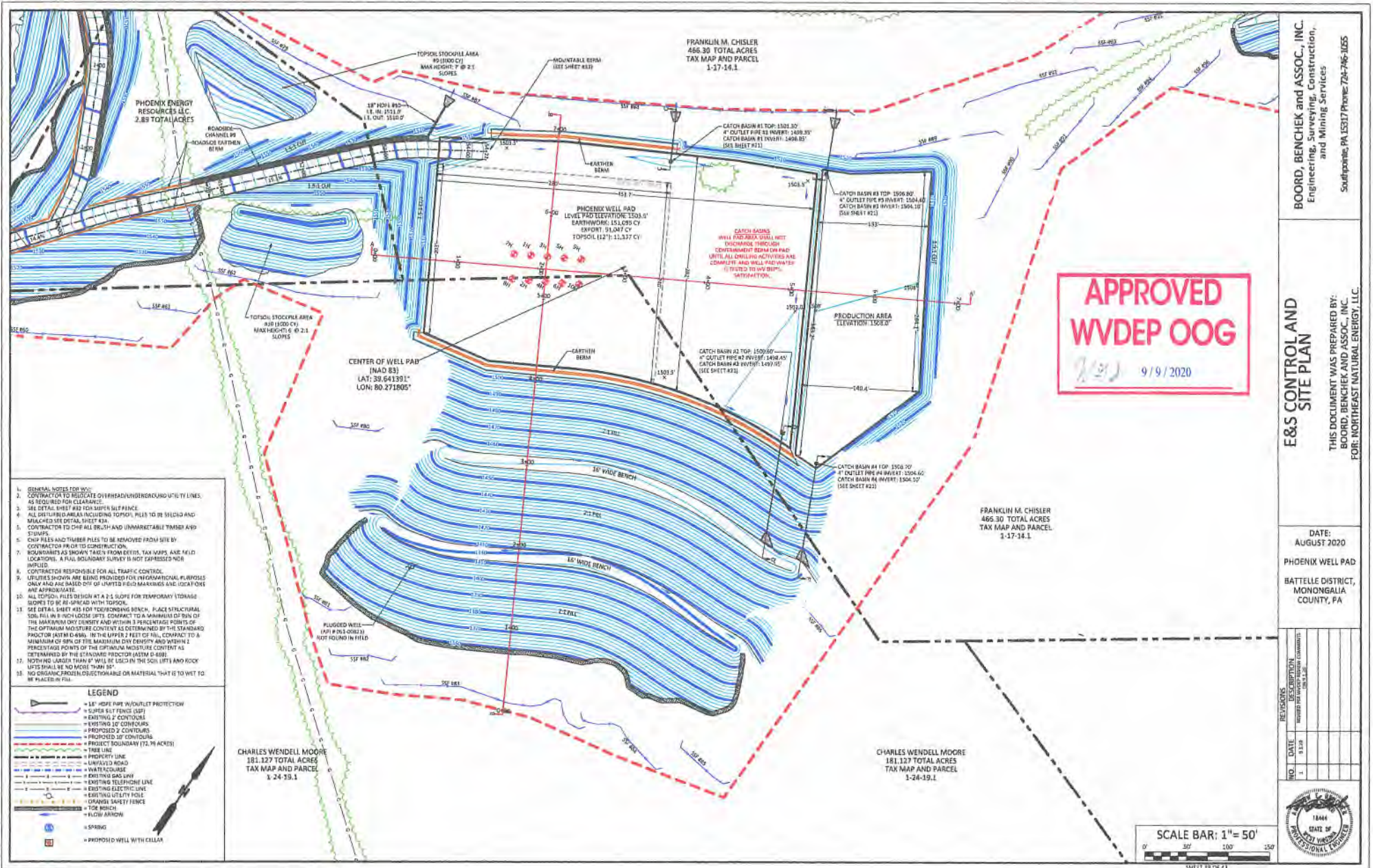
1  
 OF  
 43

1"=2000'





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1. GENERAL NOTES FOR WVP
2. CONTRACTOR TO RELOCATE OVERHEAD/UNDERGROUND UTILITY LINES, AS REQUIRED FOR CLEARANCE.
3. SEE DETAIL SHEET #102 FOR SUPER ELEVANCE.
4. ALL UTILITIES ARE INCLUDING TOPSOIL. FILES TO BE SHELDED AND MATCHED SEE DETAIL SHEET #102.
5. CONTRACTOR TO CHEL ALL BRUSH AND UNMARKETABLE TIMBER AND STUMPS.
6. CHIP PILES AND THINER PILES TO BE REMOVED FROM SITE BY CONTRACTOR PRIOR TO CONSTRUCTION.
7. BOUNDARIES AS SHOWN TAKEN FROM DEEDS, TAX MAPS, AND FIELD LOCATIONS. A FULL BOUNDARY SURVEY IS NOT EXPRESSED NOR IMPLIED.
8. CONTRACTOR RESPONSIBLE FOR ALL TRAFFIC CONTROL.
9. UTILITIES SHOWN ARE BEING PROVIDED FOR INFORMATIONAL PURPOSES ONLY AND ARE MADE OFF OF UNLIMITED FIELD MARKINGS AND LOCATIONS ARE APPROXIMATE.
10. ALL TOPSOIL FILES DESIGN AT A 2:1 SLOPE FOR TEMPORARY STORAGE SLOPES TO BE REGRADDED WITH TOPSOIL.
11. SEE DETAIL SHEET #101 FOR DRAINAGE BENCH. PLACE STRUCTURAL SOIL FILL IN 8" HORIZONTAL LIFTS. COMPACT TO A MAXIMUM OF 80% OF THE MAXIMUM DRY DENSITY AND WITHIN 3 PERCENTAGE POINTS OF THE OPTIMUM MOISTURE CONTENT AS DETERMINED BY THE STANDARD PROCTOR (ASTM D-1557). IN THE LIFTS 2" REST OF FILL, COMPACT TO A MINIMUM OF 80% OF THE MAXIMUM DRY DENSITY AND WITHIN 2 PERCENTAGE POINTS OF THE OPTIMUM MOISTURE CONTENT AS DETERMINED BY THE STANDARD PROCTOR (ASTM D-1557).
12. NOTHING LARGER THAN 6" WILL BE USED IN THE SOIL LIFTS AND ROCK LIFTS SHALL BE NO MORE THAN 8".
13. NO ORGANIC/FROZEN/OBJECTABLE OR MATERIAL THAT IS TO WET TO BE PLACED IN FILL.

**LEGEND**

- 18" WIDE PIPE W/ OUTLET PROTECTION
- SUPER SILT FENCE (SSF)
- EXISTING 2" CONTOURS
- EXISTING 10" CONTOURS
- PROPOSED 2" CONTOURS
- PROPOSED 10" CONTOURS
- PROJECT BOUNDARY (72.78 ACRES)
- TREE LINE
- PROPERTY LINE
- UNPAVED ROAD
- MATINGHOUSE
- EXISTING GAS LINE
- EXISTING TELEPHONE LINE
- EXISTING ELECTRIC LINE
- EXISTING UTILITY POLE
- ORANGE SAFETY FENCE
- TIE BENCH
- FLOW ARROW
- SPRING
- PROPOSED WELL WITH CELLAR

**APPROVED**  
**WVDEP OOG**  
 9/9/2020

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

**E&S CONTROL AND SITE PLAN**

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

DATE:  
AUGUST 2020

PHOENIX WELL PAD  
BATTLE DISTRICT,  
MONONGALIA COUNTY, PA

NO.	DATE	REVISIONS/DESCRIPTION
1	9/15/20	ISSUED FOR PERMIT REVIEW COMMENTS

