



west virginia department of environmental protection

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

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

Friday, November 3, 2023
WELL WORK PERMIT
Horizontal 6A / New Drill

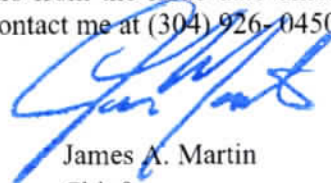
NORTHEAST NATURAL ENERGY LLC
707 VIRGINIA STREET EAST
STE 1200
CHARLESTON, WV 25301

Re: Permit approval for PHOENIX 7H-A
47-061-01950-00-00

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 7H-A
Farm Name: CHARLES WENDELL MOORE
U.S. WELL NUMBER: 47-061-01950-00-00
Horizontal 6A New Drill
Date Issued: 11/3/2023

PERMIT CONDITIONS

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

CONDITIONS

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

11/03/2023

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: 7H-A 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 X Oil _____ Underground Storage _____
Other _____

(b) If Gas Shallow X Deep _____
Horizontal X

6) Existing Pad: Yes or No No

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Marcellus, 8,200', 79', 3600 psi

8) Proposed Total Vertical Depth: 8,220'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 24,214'

11) Proposed Horizontal Leg Length: 15,488'

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

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

14) Approximate Saltwater Depths: 2,222'

15) Approximate Coal Seam Depths: 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 X active/non-producing No _____

(a) If Yes, provide Mine Info: Name: Federal #2
Depth: 1,250'
Seam: Pittsburgh
Owner: Phoenix Federal No 2 Mining, LLC

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NOV 02 2023
WV Department of Environmental Protection

CK# 5169
* 5150
10/20/2023

Digitally signed by Gayne Knitowski, Inspector
Date: 2023.10.27 08:46:46 -0400

WW-6B
(04/15)

API NO. 47-4706101950

OPERATOR WELL NO. 7H-A

Well Pad Name: Phoenix

18)

CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	24	New	NA	94.71	100'	100' ✓	CTS ✓
Fresh Water	13-3/8	New	J-55	54.5	1,500'	1,470' ✓	CTS
Coal							
Intermediate	9-5/8	New	J-55	36	2,730'	2,700' ✓	CTS
Production	5-1/2	New	P-110	20	24,214'	24,182' ✓	5,755
Tubing	2-7/8	New	P-110	6.5	NA	8,500'	NA
Liners							

** Freshwater casing set to 1,470' due to Red Rock formation ✓

Gayne
Knitowski,
Inspector

Digitally signed by Gayne
Knitowski, Inspector
Date: 2023.10.27 08:47:14
-0400

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	24	32	0.375	NA	NA	Type 1	1.19
Fresh Water	13-3/8	17-1/2	0.380	2,730	500	Class A or L	1.19
Coal							
Intermediate	9-5/8	12-3/8	0.395	3,520	2,800	Class A or L	1.19
Production	5-1/2	8-3/4	0.361	14,360 ✓	11,500	50:50 POZ	1.16
Tubing	2-7/8	NA	0.217	13,870	NA	NA	NA
Liners							

PACKERS

Kind:				RECEIVED Office of Oil and Gas
Sizes:				NOV 02 2023
Depths Set:				WV Department of Environmental Protection

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

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23) Describe centralizer placement for each casing string:

NOV 02 2023

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.

WV Department of
Environmental Protection

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

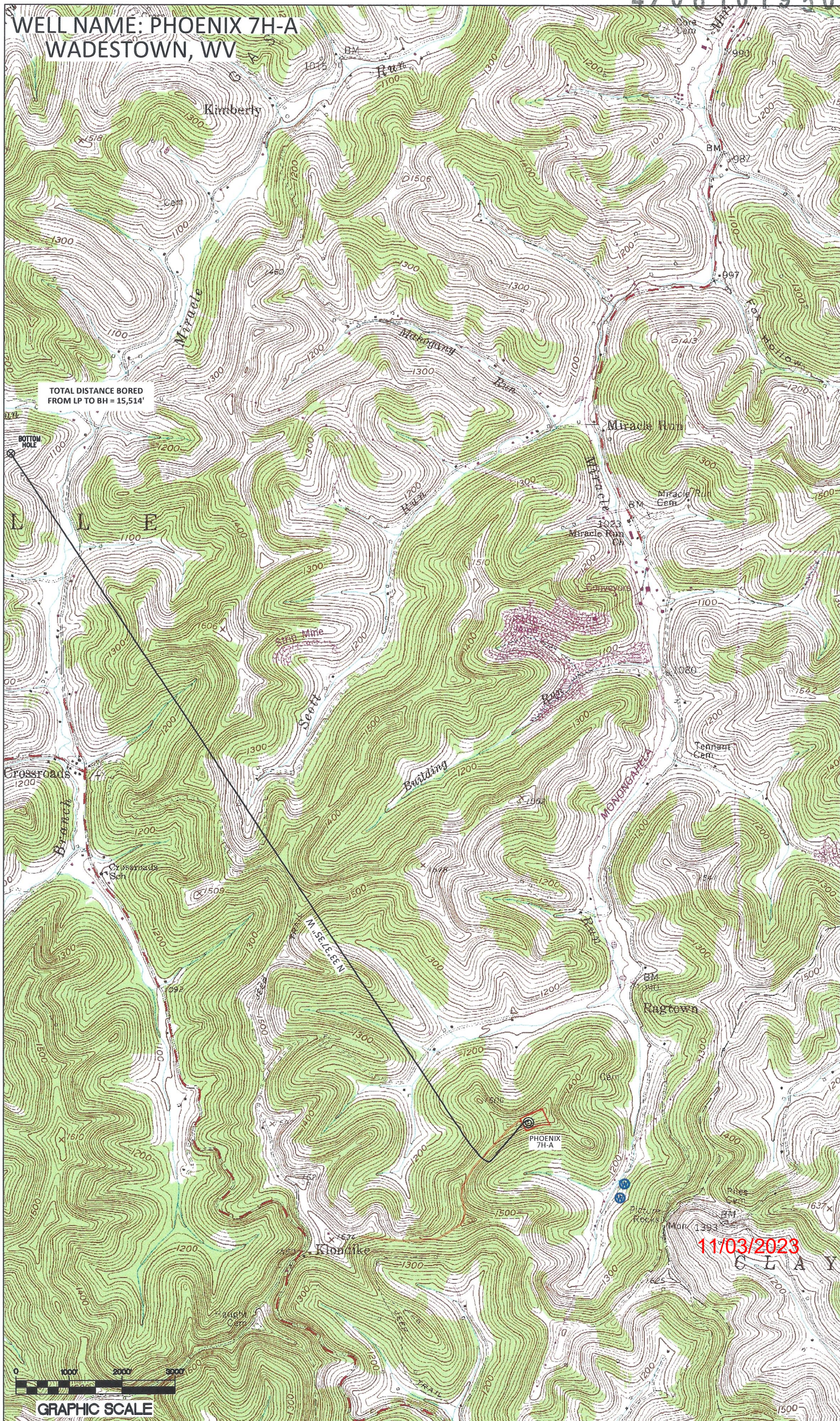
Surface string cement will be a Type 1 + Max 3% bwoc Calcium Chloride Fresh Water blend. ✓
Intermediate string cement will be a Type 1 Cement + Max 3% bwoc Calcium Chloride + Fresh Water.
Production string cement will be (50:50) Poz (Fly Ash):Type I Cement with a gas migration additive.

25) Proposed borehole conditioning procedures:

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

*Note: Attach additional sheets as needed.

WELL NAME: PHOENIX 7H-A
WADESTOWN, WV



TOTAL DISTANCE BORED
FROM LP TO BH = 15,514'

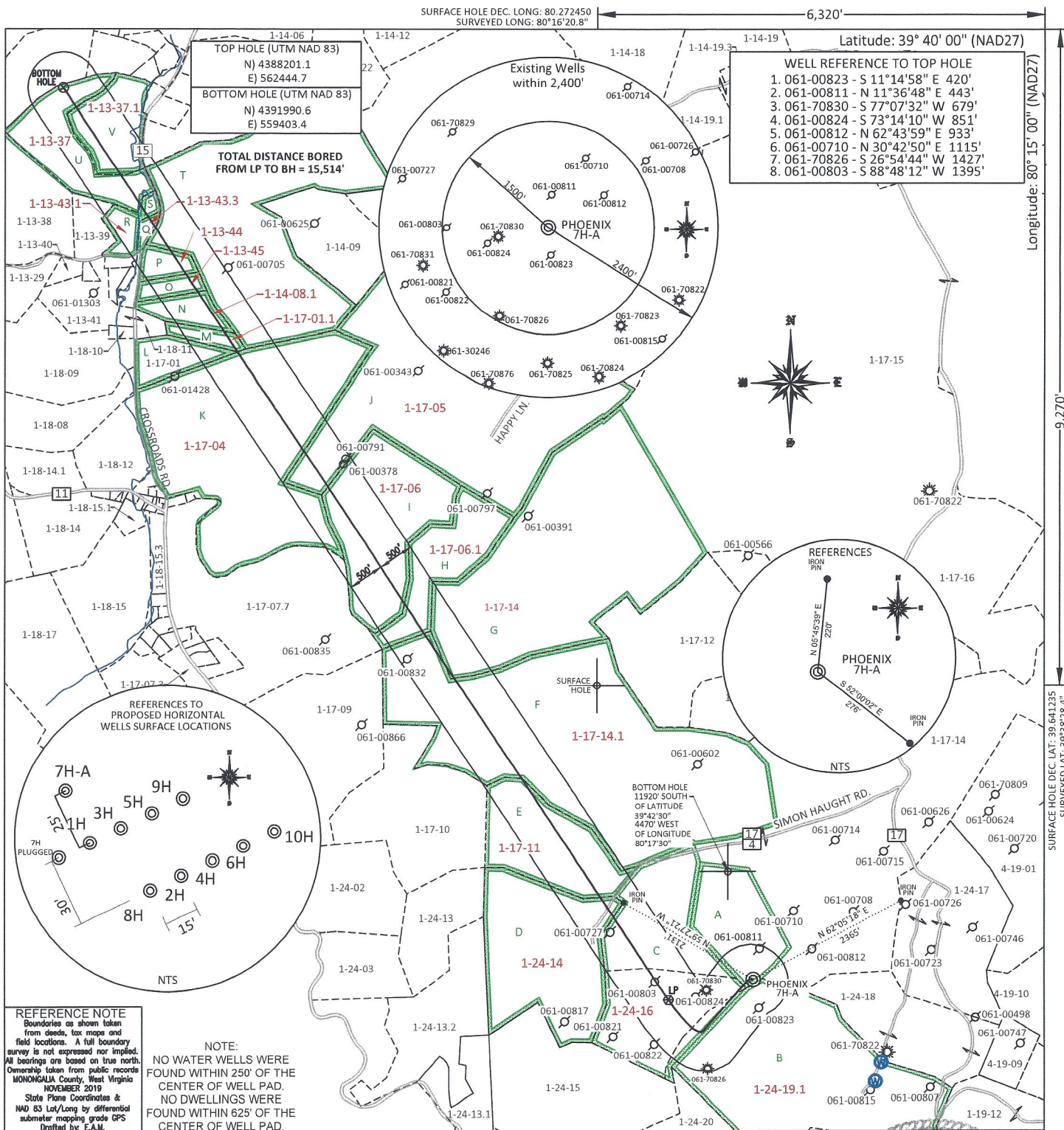
PHOENIX
7H-A

11/03/2023

CLAY



GRAPHIC SCALE

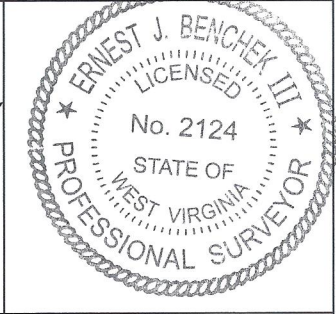


FILE #: NNE16
DRAWING #: 4021
SCALE: PLAT: 1" = 2000'
TICK: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: 1/200
PROVEN SOURCE OF ELEVATION: SUBMETER MAPPING GRADE GPS

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

Signed:

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



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

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

WATERSHED: DUNKARD CREEK

COUNTY/DISTRICT: MONONGALIA / BATTELLE

SURFACE OWNER: CHARLES WENDELL MOORE & FRANK M. CHISLER

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

LEASE NUMBERS: _____

DATE: OCTOBER 16, 2023

OPERATOR'S WELL #: PHOENIX 7H-A

API WELL #: 47 61 01950 H6A

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

QUADRANGLE: WADESTOWN

ACREAGE: 466.30 +/-

ACREAGE: 1398.91 11/03/2023

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

TARGET FORMATION: MARCELLUS

WELL OPERATOR: NORTHEAST NATURAL ENERGY LLC

ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200

CITY: CHARLESTON STATE: WV ZIP CODE: 25301

ESTIMATED DEPTH: TVD: 8,220' TMD: 24,214'

DESIGNATED AGENT: JOHN ADAMS

ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200

CITY: CHARLESTON STATE: WV ZIP CODE: 25301

PROPERTY OWNER INDEX	
1-24-19.1	CHARLES WENDELL MOORE
1-17-14.1	FRANK M. CHISLER
1-17-14	PHOENIX ENERGY RESOURCES, LLC
1-24-16	ELIZABETH ANN WILSON & RANDY LEE DURR
1-24-14	BRIAN VICTOR EMIGH
1-17-11	JOHN RAYMOND & JENNIFER L. HORNSBY MYERS
1-17-06.1	SUSAN ANNE BURNESON
1-17-06	KENT A. & SHIRLEY A. LEONHARDT
1-17-04	MARY M. LUNSFORD
1-17-05	KENT A. & SHIRLEY A. LEONHARDT
1-17-01	ERIC DALE CHISLER
1-17-01.1	DEXTER M. STEWART
1-14-08.1	ERIC DALE CHISLER
1-13-45	DEXTER M. STEWART
1-13-44	DEXTER M. STEWART
1-14-08	KING FAMILY TRUST
1-13-43.3	PAMELA HILLEY
1-13-43.1	VERNON L. SIMPSON
1-13-37	VERNON L. SIMPSON
1-13-37.1	VERNON L. SIMPSON

LEASE INDEX			
A	WV-061-004076-010	L	WV-061-005895-001
B	WV-061-004463-001	M	WV-061-005849-001
C	WV-061-004076-010	N	WV-061-004713-001
D	WV-061-004095-094	O	WV-061-006059-001
E	WV-061-003790-012	P	WV-061-005849-001
F	WV-061-005787-001	Q	WV-061-004715-004
G	WV-061-004523-000	R	WV-061-006361-001
H	WV-061-005790-003	S	WV-061-006361-001
I	WV-061-005790-003	T	WV-061-004874-001
J	WV-061-005790-003	U	WV-061-005972-001
K	WV-061-004714-003	V	WV-061-005972-001

11/03/2023

FILE #: NEE14

DRAWING #: 4021

SCALE: N/A

DATE: OCTOBER 16, 2023

OPERATOR'S WELL #: PHOENIX 7H-A

API WELL #: 47 61 01950 H6A
STATE COUNTY PERMIT

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

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

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

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

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

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the 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

Page 1 of 1

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Environmental Protection

4706101950

WW-6A1

Operators Well No. Phoenix North 7H

Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
A	WV-061-004076-010	Elizabeth C. Kiser	Northeast Natural Energy, LLC	12.5% or Greater	1565	197
A	WV-061-004076-007	John Roy Post	Northeast Natural Energy, LLC	12.5% or Greater	1566	176
A	WV-061-004076-012	Robert Lee Post	Northeast Natural Energy, LLC	12.5% or Greater	1565	191
A	WV-061-004076-002	Martha Susan Post	Northeast Natural Energy, LLC	12.5% or Greater	1562	745
A	WV-061-004076-005	Mara Post Nichols	Northeast Natural Energy, LLC	12.5% or Greater	1566	533
A	WV-061-004076-009	Joshua Post	Northeast Natural Energy, LLC	12.5% or Greater	1565	193
A	WV-061-004076-011	Jennifer Clare Bottoni	Northeast Natural Energy, LLC	12.5% or Greater	1565	588
A	WV-061-004076-013	Tori Birch	Northeast Natural Energy, LLC	12.5% or Greater	1568	188
A	WV-061-004076-006	Seth Pirmann	Northeast Natural Energy, LLC	12.5% or Greater	1565	195
A	WV-061-004076-008	Stacy Pirmann	Northeast Natural Energy, LLC	12.5% or Greater	1562	743
A	WV-061-004076-001	Sadie Pirmann Werley	Northeast Natural Energy, LLC	12.5% or Greater	1562	741
A	WV-061-004076-004	Jamie Lyn Pirmann	Northeast Natural Energy, LLC	12.5% or Greater	1562	741
A	WV-061-004076-003	Addisville Reformed Church	Northeast Natural Energy, LLC	12.5% or Greater	1562	747
B	WV-061-004463-001	Patricia A. Haught	Northeast Natural Energy, LLC	12.5% or Greater	1585	207
B	WV-061-004463-006	Regina Sue White	Northeast Natural Energy, LLC	12.5% or Greater	1589	799
B	WV-061-004463-014	Belva York	Northeast Natural Energy, LLC	12.5% or Greater	1589	833
B	WV-061-004463-010	Gary K. Moore and Janice Moore	Northeast Natural Energy, LLC	12.5% or Greater	1589	829
B	WV-061-004463-012	Eric R. Moore and Connie L. Moore	Northeast Natural Energy, LLC	12.5% or Greater	1589	809
B	WV-061-004463-009	Karen Breedlove	Northeast Natural Energy, LLC	12.5% or Greater	1589	805
B	WV-061-004463-007	Kathy Sue Breedlove	Northeast Natural Energy, LLC	12.5% or Greater	1589	801
B	WV-061-004463-021	Robert C. Moore	Northeast Natural Energy, LLC	12.5% or Greater	1591	288
B	WV-061-004463-008	William K. Moore	Northeast Natural Energy, LLC	12.5% or Greater	1589	803
B	WV-061-004463-011	Shirley Foster	Northeast Natural Energy, LLC	12.5% or Greater	1589	807
B	WV-061-004463-013	Jackie Cotter	Northeast Natural Energy, LLC	12.5% or Greater	1589	831
B	WV-061-004463-015	Ronald J. Haught	Northeast Natural Energy, LLC	12.5% or Greater	1590	343
B	WV-061-004463-004	David M. Haught	Northeast Natural Energy, LLC	12.5% or Greater	1588	434
B	WV-061-004463-017	Stanley L. Haught	Northeast Natural Energy, LLC	12.5% or Greater	1591	280
B	WV-061-004463-003	Warren P. Haught	Northeast Natural Energy, LLC	12.5% or Greater	1588	432
B	WV-061-004463-005	Connie S. Leary	Northeast Natural Energy, LLC	12.5% or Greater	1588	436
B	WV-061-004463-016	Robert N. Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1590	345
B	WV-061-004463-018	Louella K. Woods, a/k/a Louella Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1591	282
B	WV-061-004463-020	Belletha Kasha Haught	Northeast Natural Energy, LLC	12.5% or Greater	1591	286
B	WV-061-004463-019	Dale Haught	Northeast Natural Energy, LLC	12.5% or Greater	1591	284
B	WV-061-004463-022	Patricia L. Haught	Northeast Natural Energy, LLC	12.5% or Greater	1591	543
B	WV-061-004463-024	Lena R. Hendershot	Northeast Natural Energy, LLC	12.5% or Greater	1601	29
B	WV-061-005188-001	Robert K. Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1621	770
C	WV-061-004076-010	Elizabeth C. Kiser	Northeast Natural Energy, LLC	12.5% or Greater	1565	197
C	WV-061-004076-007	John Roy Post	Northeast Natural Energy, LLC	12.5% or Greater	1566	176
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C	WV-061-004076-004	Jamie Lyn Pirmann	Northeast Natural Energy, LLC	12.5% or Greater	1562	741
C	WV-061-004076-003	Addisville Reformed Church	Northeast Natural Energy, LLC	12.5% or Greater	1562	747
D	WV-061-004095-094	American Heart Association, Inc.	Northeast Natural Energy, LLC	12.5% or Greater	1576	132
D	WV-061-004095-020	Orval E. Gump, Jr.	Northeast Natural Energy, LLC	12.5% or Greater	1566	525
D	WV-061-004095-027	David J. Johnson	Northeast Natural Energy, LLC	12.5% or Greater	1565	215
D	WV-061-004095-023	Jan E. Johnson	Northeast Natural Energy, LLC	12.5% or Greater	1566	391
D	WV-061-004095-025	Kathryn Johnson Painter	Northeast Natural Energy, LLC	12.5% or Greater	1566	529
D	WV-061-004095-032	Ralph Morris, Sr.	Northeast Natural Energy, LLC	12.5% or Greater	1565	257
D	WV-061-004095-003	Lewis M. Maxwell, II	Northeast Natural Energy, LLC	12.5% or Greater	1568	295
D	WV-061-004095-034	Donald R. Maxwell	Northeast Natural Energy, LLC	12.5% or Greater	1565	244
D	WV-061-004095-034	Barbara McCoy	Northeast Natural Energy, LLC	12.5% or Greater	1565	453
D	WV-061-004095-031	Betty Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1566	218
D	WV-061-004095-141	Tiffany Carty	Northeast Natural Energy, LLC	12.5% or Greater	1609	363
D	WV-061-004095-007	Carolyn Gray	Northeast Natural Energy, LLC	12.5% or Greater	1564	48
D	WV-061-004095-011	Wilma Lee Gump Walker	Northeast Natural Energy, LLC	12.5% or Greater	1566	235
D	WV-061-004095-014	Eileen Mae DiBenedetto	Northeast Natural Energy, LLC	12.5% or Greater	1566	488
D	WV-061-004095-013	Janice G. Rawe	Northeast Natural Energy, LLC	12.5% or Greater	1566	466
D	WV-061-004095-026	Mary Sue Beckley	Northeast Natural Energy, LLC	12.5% or Greater	1566	575
D	WV-061-004095-005	Edwin Daryl Michael	Northeast Natural Energy, LLC	12.5% or Greater	1566	555
D	WV-061-004095-091	Ella J. Stokes	Northeast Natural Energy, LLC	12.5% or Greater	1575	453
D	WV-061-004095-006	Mary M. Gump-life estate	Northeast Natural Energy, LLC	12.5% or Greater	1567	482
D	WV-061-004095-004	Nancy L. Gump	Northeast Natural Energy, LLC	12.5% or Greater	1560	241
D	WV-061-004095-008	Leah Darlene Earle	Northeast Natural Energy, LLC	12.5% or Greater	1566	559
D	WV-061-004095-016	Shirley Jean Tennant Simpson	Northeast Natural Energy, LLC	12.5% or Greater	1566	468
D	WV-061-004095-015	Ann D. Nice	Northeast Natural Energy, LLC	12.5% or Greater	1564	78
D	WV-061-004095-115	Lynne A. Sutton	Northeast Natural Energy, LLC	12.5% or Greater	1580	24
D	WV-061-004095-068	Gerald Lee Shunk	Northeast Natural Energy, LLC	12.5% or Greater	1568	388
D	WV-061-004095-066	Jeanie Pelke	Northeast Natural Energy, LLC	12.5% or Greater	1568	382
D	WV-061-004095-067	Francis Shunk	Northeast Natural Energy, LLC	12.5% or Greater	1568	384
D	WV-061-004095-136	William Donald Holderbaum	Northeast Natural Energy, LLC	12.5% or Greater	1606	17
D	WV-061-004095-075	Vada June Sebring	Northeast Natural Energy, LLC	12.5% or Greater	1572	23
D	WV-061-004095-151	Karen L. Darrah	Northeast Natural Energy, LLC	12.5% or Greater	1615	664
D	WV-061-004095-127	Kevin L. Darrah	Northeast Natural Energy, LLC	12.5% or Greater	1594	216
D	WV-061-004095-142	George Darrah	Northeast Natural Energy, LLC	12.5% or Greater	1609	365
D	WV-061-004095-161	Lora Kay Napier	Northeast Natural Energy, LLC	12.5% or Greater	1686	121
D	WV-061-004095-162	Susan Beth Floyd	Northeast Natural Energy, LLC	12.5% or Greater	1688	561
D	WV-061-004095-099	Donna J. Armstrong	Northeast Natural Energy, LLC	12.5% or Greater	1577	33
D	WV-061-004095-077	Amy Tucker	Northeast Natural Energy, LLC	12.5% or Greater	1575	210
D	WV-061-004095-100	Kimberly Forshey	Northeast Natural Energy, LLC	12.5% or Greater	1594	202

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Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
D	WV-061-004095-143	WOG Minerals LLC	Northeast Natural Energy, LLC	12.5% or Greater	1609	367
D	WV-061-004095-101	Larry A. Parker	Northeast Natural Energy, LLC	12.5% or Greater	1594	351
D	WV-061-004095-104	Sharon LaMarca	Northeast Natural Energy, LLC	12.5% or Greater	1578	499
D	WV-061-004095-098	Susan Virginia LeFever	Northeast Natural Energy, LLC	12.5% or Greater	1577	31
D	WV-061-004095-116	Donna Jean Parker	Northeast Natural Energy, LLC	12.5% or Greater	1580	26
D	WV-061-004095-105	Lisa Watters	Northeast Natural Energy, LLC	12.5% or Greater	1578	353
D	WV-061-004095-106	Fred Parker	Northeast Natural Energy, LLC	12.5% or Greater	1578	503
D	WV-061-004095-114	James W. Parker, Jr.	Northeast Natural Energy, LLC	12.5% or Greater	1578	365
D	WV-061-004095-102	Dawn Bennett Hauck	Northeast Natural Energy, LLC	12.5% or Greater	1578	497
D	WV-061-004095-137	Sheila E. Kemp	Northeast Natural Energy, LLC	12.5% or Greater	1606	19
D	WV-061-004095-103	Cathy A. Orr Nixon	Northeast Natural Energy, LLC	12.5% or Greater	1578	495
D	WV-061-004095-113	Kevin J. Durbin	Northeast Natural Energy, LLC	12.5% or Greater	1578	363
D	WV-061-004095-039	Robert A. Parker	Northeast Natural Energy, LLC	12.5% or Greater	1565	801
D	WV-061-004095-130	Robin L. Bailey	Northeast Natural Energy, LLC	12.5% or Greater	1597	155
D	WV-061-004095-090	Beth Ann Miller	Northeast Natural Energy, LLC	12.5% or Greater	1575	451
D	WV-061-004095-037	Alan L. Lucas	Northeast Natural Energy, LLC	12.5% or Greater	1565	722
D	WV-061-004095-108	Jerry D. Lucas	Northeast Natural Energy, LLC	12.5% or Greater	1578	357
D	WV-061-004095-073	Gerald Lucas	Northeast Natural Energy, LLC	12.5% or Greater	1571	586
D	WV-061-004095-085	Robert D. Buchanan	Northeast Natural Energy, LLC	12.5% or Greater	1573	489
D	WV-061-004095-117	Donald T. Buchanan	Northeast Natural Energy, LLC	12.5% or Greater	1580	564
D	WV-061-004095-065	Everett Bishop	Northeast Natural Energy, LLC	12.5% or Greater	1568	380
D	WV-061-004095-112	Richard Gilmore	Northeast Natural Energy, LLC	12.5% or Greater	1578	361
D	WV-061-004095-086	Russell Thomas Gilmore	Northeast Natural Energy, LLC	12.5% or Greater	1575	282
D	WV-061-004095-111	Monty Gilmore	Northeast Natural Energy, LLC	12.5% or Greater	1578	359
D	WV-061-004095-084	Donald Lee Batés	Northeast Natural Energy, LLC	12.5% or Greater	1573	487
D	WV-061-004095-153	Erin Wilkinson	Northeast Natural Energy, LLC	12.5% or Greater	1625	822
D	WV-061-004095-038	WOG	Northeast Natural Energy, LLC	12.5% or Greater	1567	462
D	WV-061-004279-003	Family Tree Corporation	Northeast Natural Energy, LLC	12.5% or Greater	1515	717
D	WV-061-004223-001	Marlesa Yost	Northeast Natural Energy, LLC	12.5% or Greater	1568	394
D	WV-061-004095-035	Donald Howard Parker	Northeast Natural Energy, LLC	12.5% or Greater	1571	590
D	WV-061-004095-129	Diana L. Parker Rocha	Northeast Natural Energy, LLC	12.5% or Greater	1596	748
D	WV-061-004095-118	Joyce Ann Parker	Northeast Natural Energy, LLC	12.5% or Greater	1581	593
D	WV-061-004095-107	Susan A. Parker	Northeast Natural Energy, LLC	12.5% or Greater	1610	394
D	WV-061-004095-035	Susan Colleen Angelone	Northeast Natural Energy, LLC	12.5% or Greater	1610	394
D	WV-061-004095-119	Guy Parker	Northeast Natural Energy, LLC	12.5% or Greater	1581	307
D	WV-061-004095-125	Crystal Parker Sisk	Northeast Natural Energy, LLC	12.5% or Greater	1593	456
D	WV-061-004095-120	Regal I. Garrett	Northeast Natural Energy, LLC	12.5% or Greater	1585	185
D	WV-061-004095-029	Jean Carol Parker Plaster	Northeast Natural Energy, LLC	12.5% or Greater	1566	423
D	WV-061-004095-030	Larry Maurice Parker	Northeast Natural Energy, LLC	12.5% or Greater	1578	351
D	WV-061-004095-028	Glenn Edwin Parker	Northeast Natural Energy, LLC	12.5% or Greater	1565	205
D	WV-061-004095-140	Harrison County Society for Crippled Children & Adults	Northeast Natural Energy, LLC	12.5% or Greater	1607	64
D	WV-049-004602-001	Young Men's Christian Association	Northeast Natural Energy, LLC	12.5% or Greater	1596	520
D	WV-049-004602-003	Progressive Woman Association aka Young Women's Christian	Northeast Natural Energy, LLC	12.5% or Greater	1596	516
D	WV-061-004095-131	Knights of Columbus	Northeast Natural Energy, LLC	12.5% or Greater	1600	71

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Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
D	WV-061-004095-132	Catholic Daughters of America's Court Clarksburg	Northeast Natural Energy, LLC	12.5% or Greater	1604	178
D	WV-061-004095-121	Allohak Council Inc., Boy Scouts of America	Northeast Natural Energy, LLC	12.5% or Greater	1586	530
D	WV-061-004095-144	Girl Scouts of America, Black Diamond Council	Northeast Natural Energy, LLC	12.5% or Greater	1613	781
D	WV-061-004095-093	Salem International University	Northeast Natural Energy, LLC	12.5% or Greater	1576	130
D	WV-061-004095-148	Immaculate Conception Church	Northeast Natural Energy, LLC	12.5% or Greater	1226	418
D	WV-049-004602-003	Harrison County Emergency Squad	Northeast Natural Energy, LLC	12.5% or Greater	1596	518
D	WV-061-004095-017	The Burns Family General Partnership	Northeast Natural Energy, LLC	12.5% or Greater	1564	248
D	WV-061-005457-002	Equinor USA Onshore Properties Inc	Northeast Natural Energy, LLC	12.5% or Greater	1687	179
D	WV-061-005451-001	Equinor USA Onshore Properties Inc	Northeast Natural Energy, LLC	12.5% or Greater	1640	801
D	WV-061-005457-001	Ridgetop Appalachia LLC	Northeast Natural Energy, LLC	12.5% or Greater	1681	649
E	WV-061-003790-012	Larissa Fordyce	Northeast Natural Energy, LLC	12.5% or Greater	1565	789
E	WV-061-003790-011	Annette Fordyce Saucedo	Northeast Natural Energy, LLC	12.5% or Greater	1742	485
E	WV-061-003790-006	Deanna Sue Rockwell Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1727	544
E	WV-061-003790-019	John David Ammons (Combined Entry)	Northeast Natural Energy, LLC	12.5% or Greater	1575	437
E	WV-061-003790-019	Danny Franklin Ammons	Northeast Natural Energy, LLC	12.5% or Greater	1575	437
E	WV-061-003790-019	Jackie Richard Ammons	Northeast Natural Energy, LLC	12.5% or Greater	1575	437
E	WV-061-003790-019	Linda Paulette Ammons	Northeast Natural Energy, LLC	12.5% or Greater	1575	437
E	WV-061-003790-019	Penny Lee Ammons	Northeast Natural Energy, LLC	12.5% or Greater	1575	437
E	WV-061-003790-030	Dawn M. Hughes	Northeast Natural Energy, LLC	12.5% or Greater	1638	502
E	WV-061-003790-026	Justin P. Stewart	Northeast Natural Energy, LLC	12.5% or Greater	1636	753
F	WV-061-005787-001	Heritage Resources - Marcellus Minerals	Northeast Natural Energy, LLC	12.5% or Greater	1754	639
G	WV-061-004523-000	Larry K. Carpenter	Northeast Natural Energy, LLC	12.5% or Greater	1594	204
H	WV-061-005790-003	Deborah Josephine Jarrell	Northeast Natural Energy, LLC	12.5% or Greater	1762	676
H	WV-061-005790-001	Piney Holdings Inc.	Northeast Natural Energy, LLC	12.5% or Greater	1760	662
H	WV-061-005790-004	Donna Yergovich Nuzum	Northeast Natural Energy, LLC	12.5% or Greater	1762	678
H	WV-061-005790-006	Steven N. Yergovich Jr.	Northeast Natural Energy, LLC	12.5% or Greater	1762	682
H	WV-061-005790-005	Richard E. Shriver	Northeast Natural Energy, LLC	12.5% or Greater	1762	680
H	WV-061-005790-002	Melissa D. Hunt	Northeast Natural Energy, LLC	12.5% or Greater	1762	674
I	WV-061-005790-003	Deborah Josephine Jarrell	Northeast Natural Energy, LLC	12.5% or Greater	1762	676
I	WV-061-005790-001	Piney Holdings Inc.	Northeast Natural Energy, LLC	12.5% or Greater	1760	662
I	WV-061-005790-004	Donna Yergovich Nuzum	Northeast Natural Energy, LLC	12.5% or Greater	1762	678
I	WV-061-005790-006	Steven N. Yergovich Jr.	Northeast Natural Energy, LLC	12.5% or Greater	1762	682
I	WV-061-005790-005	Richard E. Shriver	Northeast Natural Energy, LLC	12.5% or Greater	1762	680
I	WV-061-005790-002	Melissa D. Hunt	Northeast Natural Energy, LLC	12.5% or Greater	1762	674
J	WV-061-005790-003	Deborah Josephine Jarrell	Northeast Natural Energy, LLC	12.5% or Greater	1762	676
J	WV-061-005790-001	Piney Holdings Inc.	Northeast Natural Energy, LLC	12.5% or Greater	1760	662
J	WV-061-005790-004	Donna Yergovich Nuzum	Northeast Natural Energy, LLC	12.5% or Greater	1762	678
J	WV-061-005790-006	Steven N. Yergovich Jr.	Northeast Natural Energy, LLC	12.5% or Greater	1762	682
J	WV-061-005790-005	Richard E. Shriver	Northeast Natural Energy, LLC	12.5% or Greater	1762	680
J	WV-061-005790-002	Melissa D. Hunt	Northeast Natural Energy, LLC	12.5% or Greater	1762	674
J	WV-061-005790-003	Deborah Josephine Jarrell	Northeast Natural Energy, LLC	12.5% or Greater	1762	676
J	WV-061-005790-001	Piney Holdings Inc.	Northeast Natural Energy, LLC	12.5% or Greater	1760	662
J	WV-061-005790-004	Donna Yergovich Nuzum	Northeast Natural Energy, LLC	12.5% or Greater	1762	678
J	WV-061-005790-006	Steven N. Yergovich Jr.	Northeast Natural Energy, LLC	12.5% or Greater	1762	682
J	WV-061-005790-005	Richard E. Shriver	Northeast Natural Energy, LLC	12.5% or Greater	1762	680
J	WV-061-005790-002	Melissa D. Hunt	Northeast Natural Energy, LLC	12.5% or Greater	1762	674
K	WV-061-004714-003	Helen M. Burton	Northeast Natural Energy, LLC	12.5% or Greater	1612	98
K	WV-061-004714-001	Terry O. Hendershot	Northeast Natural Energy, LLC	12.5% or Greater	1604	260
K	WV-061-004714-002	Ryan C. Radtka	Northeast Natural Energy, LLC	12.5% or Greater	1612	96
L	WV-061-005895-001	Eric Dale Chisler	Northeast Natural Energy, LLC	12.5% or Greater	1770	583

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Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
M	WV-061-005849-001	Dexter Murle Stewart and Phyllis B. Stewart	Northeast Natural Energy, LLC	12.5% or Greater	1766	9
N	WV-061-004713-001	Eric Dale Chisler	Northeast Natural Energy, LLC	12.5% or Greater	1604	258
O	WV-061-006059-001	Shuman Inc.	CNX Gas Company	12.5% or Greater	1759	233
P	WV-061-005849-001	CNX Gas Company	Northeast Natural Energy, LLC	Assignment Book	158	248
Q	WV-061-004715-004	Dexter Murle Stewart and Phyllis B. Stewart, JTROS	Northeast Natural Energy, LLC	12.5% or Greater	1766	9
Q	WV-061-004715-002	David C. Simpson and Carolyn H. Simpson	Northeast Natural Energy, LLC	12.5% or Greater	1623	31
Q	WV-061-004715-001	Doris Simpson	Northeast Natural Energy, LLC	12.5% or Greater	1608	50
Q	WV-061-004715-003	Vernon L. Simpson	Northeast Natural Energy, LLC	12.5% or Greater	1604	262
R	WV-061-006361-001	Barbara Simpson	Northeast Natural Energy, LLC	12.5% or Greater	1623	29
S	WV-061-006361-001	Vernon L. Simpson	EQT Production Company	12.5% or Greater	1802	502
T	WV-061-004874-001	EQT Production Company	Northeast Natural Energy, LLC	12.5% or Greater	1802	502
U	WV-061-005972-001	King Family Trust	Northeast Natural Energy, LLC	12.5% or Greater	1612	90
V	WV-061-005972-001	Teresa M. Cummins	Northeast Natural Energy, LLC	12.5% or Greater	1789	468
		Teresa M. Cummins	Northeast Natural Energy, LLC	12.5% or Greater	1789	468

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Prepared by:
Astrika W. Adams
Clarke Investments, LLC
192 Summerfield Court
Suite 203
Roanoke, Virginia 24019
(540) 595-3908

1688-239

SPECIAL WARRANTY DEED

THIS DEED, effective as of this 15th day of May, 2018, by and between **ERP FEDERAL MINING COMPLEX, LLC**, a Delaware limited liability company, with an address of P.O. Box 87, Natural Bridge, Virginia 24578 ("Grantor"), and **PHOENIX ENERGY RESOURCES LLC**, a West Virginia limited liability company, with an address of 863 Qual Valley Drive, Princeton, West Virginia 24740 ("Grantee").

WITNESSETH:

That for an in consideration of the sum of One Dollar (\$1.00), cash in hand paid, and in consideration of that certain Asset Purchase Agreement dated January 3, 2018, by and between Grantor and Grantee (the "Asset Purchase Agreement"), and other good and valuable consideration, the sufficiency of all of which is hereby acknowledged, Grantor does hereby GRANT, BARGAIN, SELL and CONVEY unto Grantee that certain real property situated in Monongalia County, West Virginia, known as the Federal No. 2 Mine and more particularly described on Exhibit A attached here to and made a part hereof and incorporate herein by reference (the "Property"). The transfer of the Property is subject to the terms of the Asset Purchase Agreement.

TOGETHER with all the tenements, hereditaments and appurtenances thereunto belonging or in anywise appertaining.

And being the same Property conveyed to Grantor by those certain deed(S) identified on Exhibit A hereto (the "Source Deed(s)").

11/03/2023

The Property is hereby conveyed free and clear of all encumbrances, other than permitted encumbrances identified in the Asset Purchase Agreement or this Deed. Notwithstanding anything contained herein to the contrary, this conveyance is made subject to any and all conveyances, exceptions, covenants, restrictions, reservations, easements and rights of way of record in the chain of title including, without limitation, those set forth in the Source Deed(s), and those conveyances, exceptions, reservations, encumbrances and other instruments set forth as "Outconveyances" and "Encumbrances" in the Source Deed(s).

TO HAVE AND TO HOLD unto the Grantee, its successors and assigns forever, with covenants of SPECIAL WARRANTY.

Except as provided for in the Asset Purchase Agreement, Grantor further quitclaims, without warranty, unto Grantee all of Grantor's right, title and interest, if any, in and to all coal, lignite and other solid carbonaceous fuels (collectively, "Coal") and Coal estates and all mining rights, privileges and immunities granted or acquired with or relating to such estates, all fee, leasehold, mining, royalty, overriding royalty, production payment, net profit, riparian and other properties, interests and rights, containing or pertaining to Coal, and all rights to use, damage or cause subsidence to the surface (whether created by grant, waiver, release, estoppel or otherwise), as well as all fees, leaseholds, easements, servitudes, riparian rights and other interests in real property not related to Coal, which are situated in the state of West Virginia as stated in the Asset Purchase Agreement. Furthermore, this paragraph shall not affect, transfer or restrict any rights, obligations or interests in and to any permits located within the State of West Virginia.

11/03/2023

DECLARATION OF CONSIDERATION OR VALUE

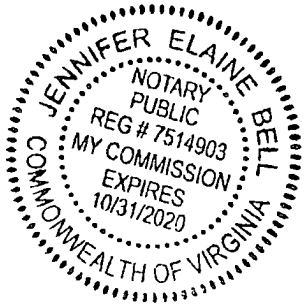
I hereby declare:

The total cash consideration paid for the property conveyed by the document to which this declaration is appended is \$500,000.00

Given under my hand this 4 day of November, 2019.

Signed Grantor (Indicate whether grantor, grantee, or other interest in conveyance). 192 Summerfield Ct, Ste. 203 Address
Roanoke, VA 24019

IN WITNESS the following signatures and seals.



[NOTARY]

ERP FEDERAL MINING COMPLEX, LLC,

a Delaware limited liability company

By: [Signature]

Thomas M. Clarke, Director and member of Board of Managers

11/03/2023

EXHIBIT A

The Property

SOURCE DEED(S):

1. Special Warranty Deed dated October 27, 2015 between Eastern Associated Coal, LLC and ERP Federal Mining Complex, LLC, of record in the Office of the Clerk of the County Commission of Monongalia County, West Virginia, in Deed Book 1541, Page 736.
2. Special Warranty Deed dated October 27, 2015 between Eastern Associated Coal, LLC and ERP Federal Mining Complex, LLC, of record in the Office of the Clerk of the County Commission of Monongalia County, West Virginia, in Deed Book 1541, Page 727.

OUTCONVEYANCES:

1. Assignment of Payment Rights dated June 26, 2019 between ERP Federal Mining Complex, LLC and Merida Natural Resources, LLC, of record in the Office of the Clerk of the County Commission of Monongalia County, West Virginia.

ENCUMBERENCES:

1. Credit Line Deed of Trust dated September 7, 2017 between ERP Federal Mining Complex, LLC and Merida Natural Resources, LLC, of record in the Office of the Clerk of the County Commission of Monongalia County, West Virginia.

MAP AND PARCEL IDENTIFICATIONS:

Map 14, Parcel 35.1, Miracle Run, Battelle

Map 15, Parcel 3.1, Miracle Run, Battelle

Map 17, Parcel 14, Dunkard Creek, Battelle

Map 18, Parcel 37, Dunkard Creek, Battelle

Map 18, Parcel 21.3, Miracle Run, Battelle

Map 14, Parcel 29.4, Miracle Run, Battelle

Map 14, Parcel 29.5, Miracle Run, Battelle

11/03/2023

STATE TAX COMMISSIONER OF WEST VIRGINIA
SALES LISTING FORM

The Instrument May Not Be Recorded If This Form Is Not Completed In Its Entirety

West Virginia Code §§11-22-6, 11A-3-2 & 11A-3-3 (Amended 3-11-95)

Revised 8/12

County: MONONGALIA Taxing District: BATELLE
Tax Map No.(s): MAP 14 Parcel(s): 35.1, 29.4, 29.5
Tax Map No.(s): MAP 15; 17; 18 Parcel(s): 3.1; 14; 37, 21.3
Account #: Mineral ID #:
Grantor's Name: ERP FEDERAL MINING COMPLEX LLC Phone No.
Grantee's Name: PHOENIX ENERGY RESOURCES LLC Phone No.
Mailing Address of New Owner: 863 QUAIL VALLEY DR., PRINCETON WV 24740
Mailing Address for Tax Statements: 863 QUAIL VALLEY DR., PRINCETON WV 24740
Most Recent Previous Deed Book No.: Page No.:
Grantor's Source of Title:

WL01688 PG0243

(If not by "Previous Deed" referenced above.)

(a) Real Estate: (b) Other Valuable Goods/Services: (If Applicable)
Consideration/Value: \$ 500,000 \$ 9,700,000
Lot Size or Acreage Involved:
Estate(s) Transferred:

(Examples: Fee, Surface, Mineral, Coal, etc.)

- (1) Was this transaction on the open market? Yes/No (Circle One)
(2) Does this transaction involve more than one parcel? Yes/No (Circle One)
(3) Was this sale between related individuals or related corporations? Yes/No (Circle One)
(4) Was this a liquidation, foreclosure or other "Forced" sale? Yes/No (Circle One)
(5) Is this transaction pursuant to a land contract or owner financing? Yes/No (Circle One)
(6) Does this transaction include personal property? Yes/No (Circle One)
(7) Does this transaction include minerals and/or timber? Yes/No (Circle One)
(8) Any other financing arrangements materially affecting consideration? Yes/No (Circle One)
(9) Is this a mineral sale only? Yes/No (Circle One)

If "No" to Question 1 or "Yes" to Questions 2 - 8 above, please explain below:

Explanation: ASSUMPTION OF RECLAMATION LIABILITIES
Printed Name: MARK KIESLING Signature: [Signature] Phone Number:
Filed By (check one): [X] Buyer [] Seller [] Agent/Attorney [] Other

LIENHOLDER INFORMATION (OPTIONAL)

Check if change of name or address

Name:
Address for Notice:

INTEREST IN PROPERTY

Surface Owner's Rights Deed Book: Page No.:
Fiduciary Interest Relationship to Owner:
Lienholder Trust Deed Book No.: Page No.:
Other

Table with 2 columns: To Be Completed By County Clerk and Sheriff's Use Only. Includes Stamp Fee Paid, Date Recorded, New Deed Book No., Date of Transaction, Date Received, Effective Dates of Lien, Date Entered, Entered By, Tax Ticket No.

RELEASE OF LIEN

COMPLETE THIS SECTION IF YOU ARE RELEASING THIS LIEN

Date Lien Is Released:
Signature of Lienholder:

COPIES: WHITE ~ ASSESSOR CANARY ~ SHERIFF PINK ~ TAX COMMISSIONER GOLDENROD ~ PREPARER

11/03/2023

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

Date of Notice Certification: 05/23/2023

API No. 47- _____
Operator's Well No. 7H _____
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: West Virginia UTM NAD 83 Easting: 562444.0
County: Monongalia Northing: 4388192.2
District: Battelle Public Road Access: Graveyard Hill/Route 15/2
Quadrangle: Wadestown Generally used farm name: Phoenix
Watershed: Dunkard Creek

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

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

Required Attachments:

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

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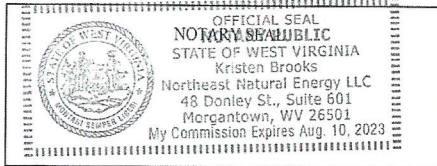
11/03/2023

47'0" 6'10" 1950

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 23rd day of May, 2023
Kristen Brooks Notary Public
 My Commission Expires Aug. 10, 2023

Oil and Gas Privacy Notice:

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

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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: 5/15/23 Date Permit Application Filed: 5/25/23

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: _____

*Please attach additional forms if necessary

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Notice is hereby given:

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

This Notice Shall Include:

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

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

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

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

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

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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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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: Office of Oil and Gas

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

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

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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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WW-6A
(8-13)

API NO. 47- 47064101950
OPERATOR WELL NO. 7H
Well Pad Name: Phoenix

Notice is hereby given by:

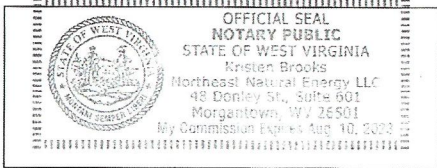
Well Operator: Northeast Natural Energy LLC
Telephone: 304-241-5752
Email: hmedloy@nne-llc.com

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

Holl Meay



Subscribed and sworn before me this 15th day of May, 2023

Kristen Brooks Notary Public

My Commission Expires Aug. 10, 2023

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

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

Date of Notice: 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: _____ JUN 2 2023

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

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 57th Street, SE, Charleston, WV 25304 (304-926-0450). Copies of such documents or additional information related to horizontal drilling may be obtained from the Secretary by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Notice is hereby given by:

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

 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.

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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: 05/15/2023 **Date Permit Application Filed:** 05/25/2023

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 Name: _____
Address: _____ 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: 562444.0
County: Monongalia Northing: 4388192.2
District: Battle 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 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Notice is hereby given by:

Well Operator: Northeast Natural Energy Authorized Representative: Hollie Medley, Regulatory Manager
Address: 707 Virginia St. E., Suite 1200 Address: 48 Donley St., Suite 601
Charleston, WV 25301 Morgantown, WV 26501
Telephone: 304-414-7060 Telephone: 304-241-5752
Email: _____ Email: hmedley@nne-llc.com
Facsimile: 304-414-7061 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.

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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: 05/15/2023 Date Permit Application Filed: 05/25/2023

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 Address: _____
 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>562444.0</u>
County: <u>Monongalia</u>	Northing: <u>4388192.2</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 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting 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@nns-llc.com</u>	Facsimile: <u>304-414-7061</u>

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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>562444.7</u>
County:	<u>Monongalia</u>	UTM NAD 83 Northing:	<u>4388201.1</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.

<p>*Please check the box that applies</p> <p><input checked="" type="checkbox"/> SURFACE OWNER</p> <p><input checked="" type="checkbox"/> SURFACE OWNER (Road and/or Other Disturbance)</p> <p><input checked="" type="checkbox"/> SURFACE OWNER (Impoundments/Pits)</p> <p><input checked="" type="checkbox"/> COAL OWNER OR LESSEE</p> <p><input checked="" type="checkbox"/> COAL OPERATOR</p> <p><input type="checkbox"/> WATER PURVEYOR</p> <p><input type="checkbox"/> OPERATOR OF ANY NATURAL GAS STORAGE FIELD</p>	<p>FOR EXECUTION BY A NATURAL PERSON</p> <p>Signature: <u>John F. Hale Jr</u></p> <p>Print Name: <u>John F. Hale Jr</u></p> <p>Date: <u>October 24, 2023</u></p>
	<p>FOR EXECUTION BY A CORPORATION, ETC.</p> <p>Company: <u>PHOENIX ENERGY RESOURCES LLC</u></p> <p>By: <u>JOHN F. HALE JR</u></p> <p>Its: <u>MANAGING PARTNER</u></p> <p>Signature: <u>John F. Hale Jr</u></p> <p>Date: <u>OCTOBER 24, 2023</u></p>

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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

Gregory L. Bailey, P.E.
Interim
State Highway Engineer

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

May 24, 2023

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

Subject: DOH Permit for the Phoenix Pad, Monongalia County
Phoenix 7H 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 DISTRICT WIDE OIL AND GAS ROAD MAINTENANCE BONDING AGREEMENT and provided the required Bond. This operator is currently in compliance with the DOH OIL AND GAS POLICY revised March 06, 2023. This letter is valid for permitting purposes for one year from the date of this letter.

Very Truly Yours,

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

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

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Planned Additives To Be Used In Fracturing Simulations

Trade Name	Purpose	Ingredients	Chemical Abstract Service Number (CAS#)
Water	Carrier	Water	7732-18-5
HCl, 10.1-15%	Addizing	Hydrochloric Acid	7647-01-0
		Water	7732-18-5
Alpha 1427	Bioocide	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 Polyoxyalkylenes Propargyl Alcohol	NA 67-56-1 NA NA 107-19-7
GW-3LDF	Gelling Agent	Guar Gum Petroleum Distillate Blend	9000-30-0 CBI
FRW-18	Friction Reducer	Hydroreated Light Distillate Citric Acid	64742-47-8 77-92-9
Sand, White, 40/70	Proppant	Crystalline Silica (Quartz)	14808-60-7
Sand, White, 100 mesh	Proppant	Crystalline Silica (Quartz)	14808-60-7
Scaletrol 720	Scale Inhibitor	Diethylene Glycol	111-46-6

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WW-6A7
(6-12)

OPERATOR: Northeast Natural Energy WELL NO: 7H

PAD NAME: Phoenix

REVIEWED BY: Hollie Medley SIGNATURE: Hollie Medley

WELL RESTRICTIONS CHECKLIST

HORIZONTAL 6A WELL

Well Restrictions

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

DEP Waiver and Permit Conditions

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

DEP Waiver and Permit Conditions

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

DEP Waiver and Permit Conditions

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

Surface Owner Waiver and Recorded with County Clerk, OR

DEP Variance and Permit Conditions

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

Surface Owner Waiver and Recorded with County Clerk, OR

DEP Variance and Permit Conditions

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

Surface Owner Waiver and Recorded with County Clerk, OR

DEP Variance and Permit Conditions

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From: **Hollie Medley** <hmedley@nne-llc.com>
Date: Thu, Nov 2, 2023 at 1:52 PM
Subject: RE: NNE - Pheonix 7H -A Replacement Wellbore
To: Brewer, Charles T <charles.t.brewer@wv.gov>

Taylor,

While drilling the intermediate section of the Pheonix 7H (061-01941) at a depth of 1,852' the hole became unstable with large debris returns. A cement plug was set from 1,852' to 1,194', then NNE attempted to drill out cement. The hole collapsed again at 1,761', and NNE was only able to work stuck pipe out to 1,678' when we lost all movement with no rotation or circulation. Attempts were made to Jar the fish (pipe, motor, NWD, and bit) with no success. (no gamma)
Fish was left from 1,400' to 1,678' and upon verbal approval from the O&G inspector a solid cement plug was set from 1,400' to 78'.
Upon approval from the Office, NNE plans to top off cement and set a P&A monument.
An application for replacement borehole has been submitted to the Office.

Please let me know if you have any questions.

Thanks
Hollie Medley
Northeast Natural Energy LLC