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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

Harold D. Ward, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Thursday, September 30, 2021  
PERMIT MODIFICATION APPROVAL  
Horizontal 6A / New Drill

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


Re: Permit Modification Approval for PHOENIX 4H  
47-061-01875-00-00

**Extended Lateral Length**

NORTHEAST NATURAL ENERGY LLC

The Office of Oil and Gas has reviewed the attached permit modification for the above referenced permit. The attached modification has been approved and well work may begin. Please be reminded that the oil and gas inspector is to be notified twenty-four (24) hours before 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 4H  
Farm Name: CHARLES WENDELL MOORE & FRANK M. CHISHOLM  
U.S. WELL NUMBER: 47-061-01875-00-00  
Horizontal 6A New Drill  
Date Modification Issued: 9/30/2021

Promoting a healthy environment.

10/08/2021

4706101875

Expedited Permit Modification

Received date: 9/22/21

Expedited Final Date: \_\_\_\_\_

Operator: NNE

Well Name: 4H

Pad Name: Phoenix

API: 47-061-01875

	MODIFIED PERMIT	ORIGINAL PERMIT
TVD	8200 ✓	✓
TMD	27,284 ✓	19991
HL	18,611	11267
FW	1238	✓
SW	2222	✓
COAL	1250	450, 1250
CONDUCTOR	100	✓
FRESHWATER	1500 Red Rock.	✓
INTERMEDIATE 1	2760	✓
INTERMEDIATE 2		
PRODUCTION	27284	19991

Notes:

A	4079-001 ✓	M	5699-002 ✓
C	3767-004 ✓	N	5699-002 ✓
D	4463-001 ✓	O	146-001 ✓
F	5687-001 ✓	P	146-001 ✓
H	5109-026 ✓	Q	146-001 ✓
I	5588-001 ✓	S	" ✓
J	1906-020 ✓	T	" ✓
K	4956-011 ✓		
L	4956-011 ✓		

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: 4H 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: 8,200'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 27,284'

11) Proposed Horizontal Leg Length: 18,611'

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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18)

**CASING AND TUBING PROGRAM**

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	24	New	NA	NA	100'	100'	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	2,760'	2,730'	CTS
Production	5-1/2	New	P-110	20	27,284'	27,254'	6,531
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

*Bryan Ham*  
9-15-21

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	1.19
Coal							
Intermediate	9-5/8"	12-3/8"	0.395	3,520	2800	Class A	1.19
Production	5-1/2"	8-3/4"	0.361	14,360	11,500 (frac)	50:50 POZ	1.16
Tubing	2-7/8"	NA	0.217	13,870	NA	NA	NA
Liners							

**PACKERS**

Kind:				
Sizes:				
Depths Set:				

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

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

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

A cement bond log will determine the top of production casing cement. The production casing will be pressure tested. The hydraulic fracturing equipment will then open the toe sleeves and begin pumping the first stage. The plug-and-perf method will be used for the remaining stages. The max anticipated pressure during frac is 11,200psi 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.

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 04  
 Well: Phoenix 4H  
 Wellbore: Phoenix 4H PWB

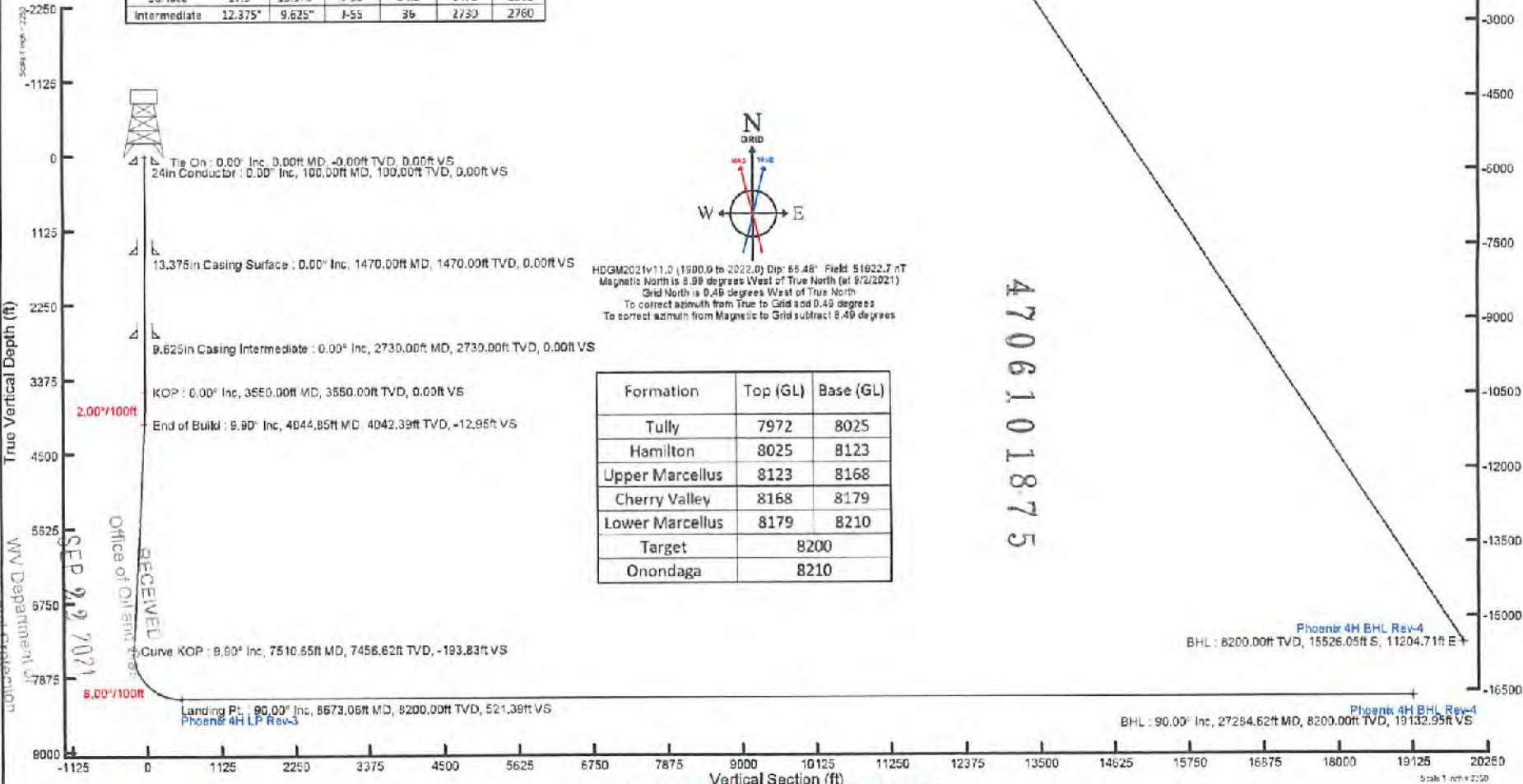


Scale 1 inch = 2000  
 Easting (ft) -4500 -3000 -1500 0 1500 3000 4500 6000 7500 9000 10500

Location Information					
Facility Name	Grid East (GL)	Grid North (GN)	Latitude	Longitude	
Phoenix Pad	11112.840	415216.840	39°49'25.3780"N	80°10'18.2414"W	
Well	Local E (ft)	Local N (ft)	Local East (GL)	Local North (GN)	Local Well
PHN04	-7315	11112.840	415216.840	415216.840	39°49'25.3780"N 80°10'18.2414"W
<b>Ground Level (GL) to Ground Level (At Slot, Slot 04)</b>					
					<b>0.00</b>
<b>Local Wellbore Ground Level (At Slot 04)</b>					
					<b>-11.03ft</b>
<b>Source: Well GL to Wellhead Level</b>					
					<b>15.03ft</b>

Casing Type	Hole Size	Casing Size	Grade	Weight	Casing Depth (GL)	Drill Depth (GL)
Conductor	28"	24"	N/A	N/A	100	100
Surface	17.5"	13.375"	J-55	54.5	1470	1500
Intermediate	12.375"	9.625"	J-55	36	2730	2760

Curve KOP : 7456.62ft TVD, 498.22ft N, 399.04ft E  
 End of Build : 4042.39ft TVD, 33.25ft N, 26.65ft E  
 KOP : 3550.00ft TVD, 0.00ft N, 0.00ft E  
 Tie On : -0.00ft TVD, 0.00ft N, 0.00ft E  
 Slot 04  
 Landing Pt : 8200.00ft TVD, 28.88ft S, 698.01ft E  
 Phoenix 4H LP Rev-3



HCGM2021v11.0 (1900.0 to 2022.0) Dip: 66.48° Field: 51622.7 nT  
 Magnetic North is 8.98 degrees West of True North (at 9/2/2021)  
 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 8.49 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	

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 SEP 21 2021

Azimuth 146.37° with reference 0.00 N, 0.00 E

Phoenix 4H BHL Rev-4  
 BHL : 8200.00ft TVD, 15526.05ft S, 11204.71ft E  
 Phoenix 4H BHL Rev-4  
 BHL : 90.00° Inc, 27284.62ft MD, 8200.00ft TVD, 19132.95ft VS

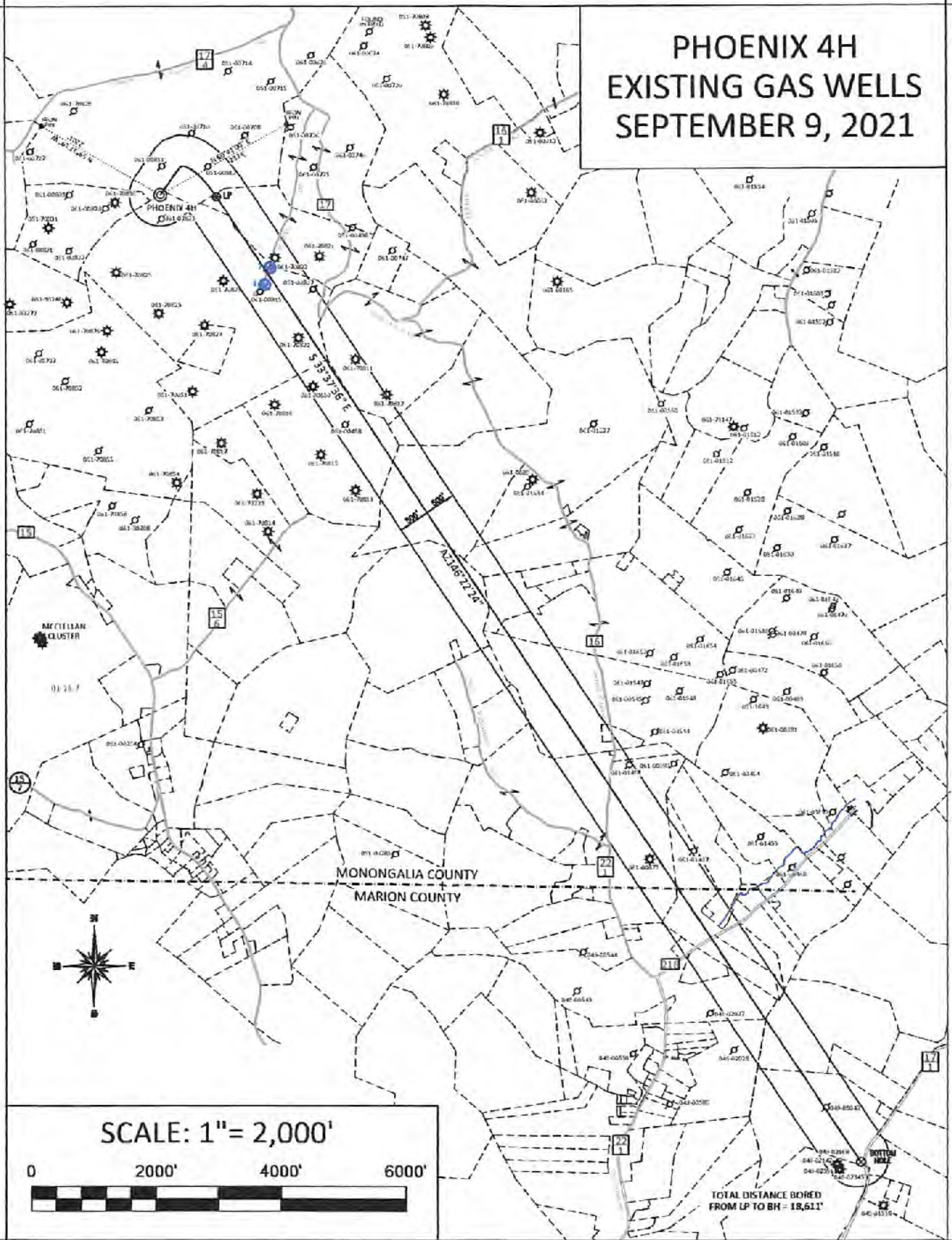
Scale 1 inch = 2000

## Phoenix 4H 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 5/7/1986
47-061-00812	Denny Tennant	3	Eastern Associated / Peabody Coal Company	39.642531	-80.269305	1-17-14.1	NA	Plugged 6/2/1986
47-061-70822	Haught & Walker	20	NA	39.638300	-80.265376	1-24-18	NA	Pre 1929 farm well
47-061-00807	Asa Haught Heirs	24	Eastern Associated / Peabody Coal Company	39.637166	-80.263302	1-24-19.1	NA	Plugged 3/27/1986
47-061-70811	A Darrah	1	NA	39.634091	-80.260685	4-19-12	NA	Pre 1929 farm well
47-061-01498	Billy Haught	4	East Resouces Inc	39.6158	-80.245803	16-2-15	NA	Plugged 7/5/2005
47-061-00468	Cook & Tennant	3	Heffner, G.B. & Associates Inc.	39.631221	-80.261426	1-24-26	3392	Plugged 3/13/1997
47-061-30650	Furman Cook Heirs	2	NA	39.632816	-80.263302	1-24-26	NA	NA
47-061-70820	Haught & Walker	23	NA	39.634962	-80.263876	1-24-19.1	NA	Pre 1929 farm well
47-061-00815	Asa Haught Heirs	NA	Eastern Associated / Peabody Coal Company	39.637021	-80.266303	1-24-19.1	NA	Plugged 7/21/1986
47-061-00823	Haught & Walker	15	Eastern Associated / Peabody Coal Company	39.640211	-80.27193	1-24-19.1	3337	Plugged 1/12/1987
47-049-00043	Mary A Moore	2	Oper in Min.owner fld,no code assgn(Orphan well proj)	39.6013	-80.233813	16-9-40	NA	NA
47-049-02168	Shirley J Neely et al	WV 511430	EQT Production Company	39.598532	-80.232895	16-9-16	10776'	MARCELLUS
47-049-02345	Shirley J Neely	WV 513436	EQT Production Company	39.598559	-80.232984	16-9-16	11032'	MARCELLUS
47-049-02351	Shirley J Neely	WV 513686	EQT Production Company	39.598578	-80.233031	16-9-16	11603'	MARCELLUS
47-049-02142	Shirley J Neely et al	WV 512716	EQT Production Company	39.598548	-80.232941	16-9-16	11130'	MARCELLUS
47-061-00879	Billy C Haught	7	East Resources, Inc.	39.612194	-80.24394	16-2-15	NA	Plugged 9/2/2016

4706101875

# PHOENIX 4H EXISTING GAS WELLS SEPTEMBER 9, 2021





4706101875



**northeast**  
NATURAL ENERGY

*Buyer Hami  
9-15-21*

**Phoenix 4H  
Site Safety Plan**

September 2021

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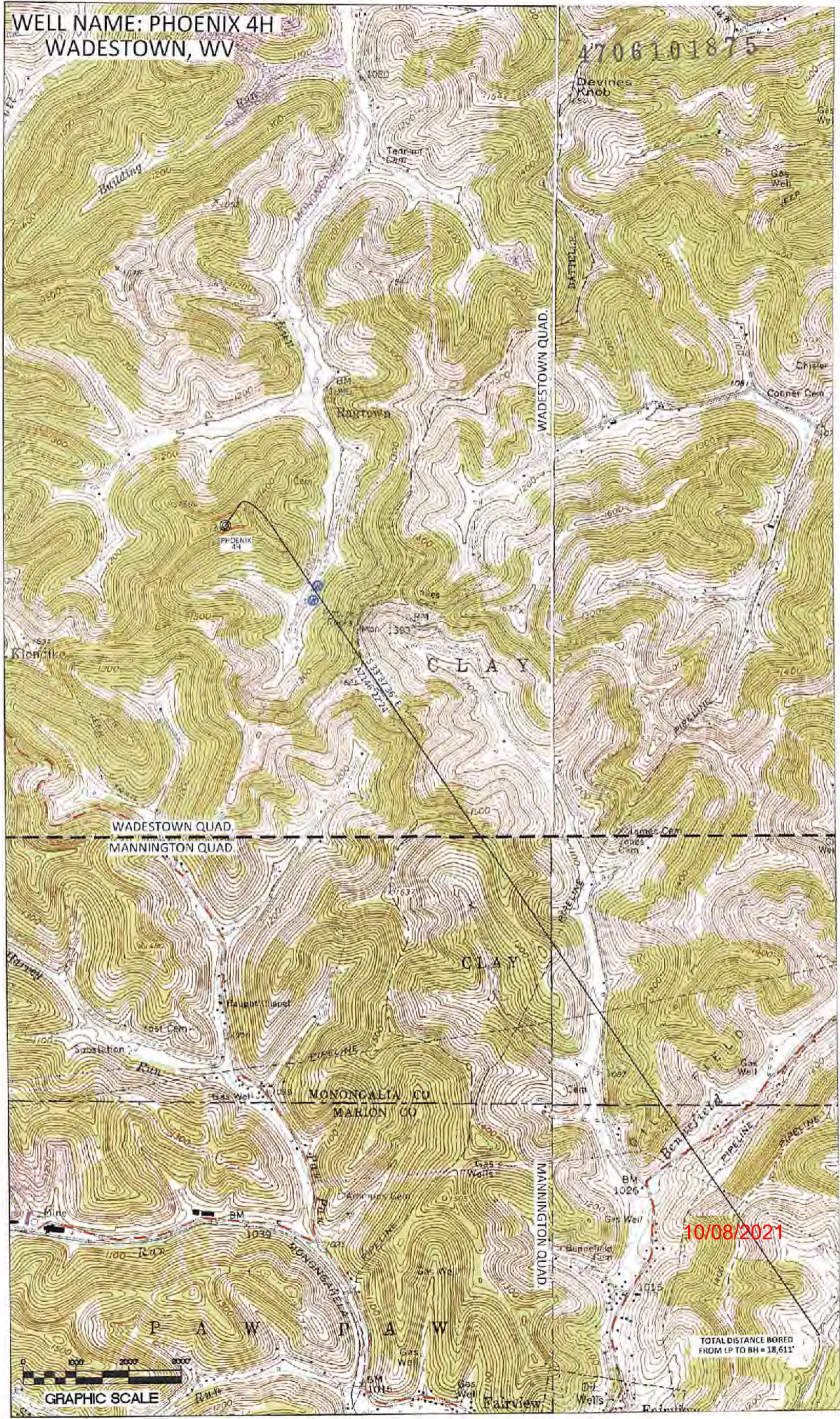
SEP 22 2021

WV Department of  
Environmental Protection

10/08/2021

WELL NAME: PHOENIX 4H  
WADESTOWN, WV

4706101875



WADESTOWN QUAD  
MANNINGTON QUAD

WADESTOWN QUAD

MANNINGTON QUAD

MONONGALIA CO  
MARION CO

P A W P A W

10/08/2021

TOTAL DISTANCE BORED  
FROM LP TO BH = 18,611'

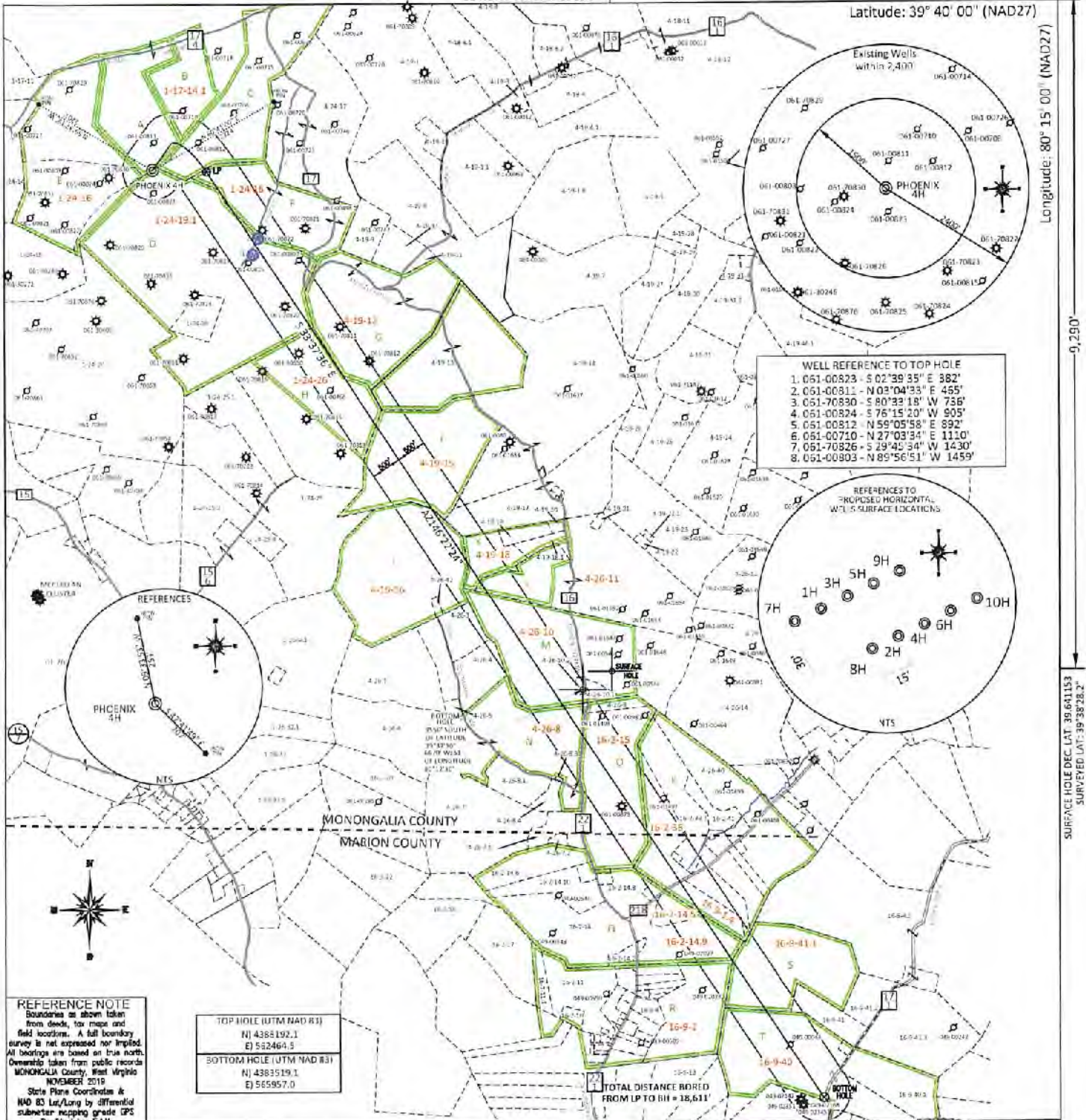


SURFACE HOLE DEC. LONG: 80.772221  
 SURVEYED LONG: 80°16'20.0"

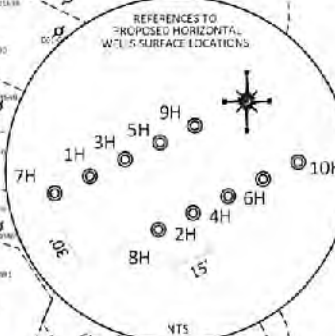
6,250'

Latitude: 39° 40' 00" (NAD27)

Longitude: 80° 15' 00" (NAD27)



**WELL REFERENCE TO TOP HOLE**  
 1. 051-00823 - S 02°39'35" E 382'  
 2. 051-00811 - N 03°04'33" E 455'  
 3. 051-70830 - S 80°32'18" W 735'  
 4. 051-00824 - S 76°15'20" W 905'  
 5. 051-00812 - N 59°05'58" E 892'  
 6. 051-00710 - N 27°03'34" E 1110'  
 7. 051-70826 - S 29°45'34" W 1430'  
 8. 051-00803 - N 89°56'51" W 1459'



**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. Data 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

**TOP HOLE (UTM NAD 83)**  
 N) 4385192.1  
 E) 552464.5  
**BOTTOM HOLE (UTM NAD 83)**  
 N) 4383519.1  
 E) 5565957.0

TOTAL DISTANCE BORED FROM LP TO BH = 18,611'

SURFACE HOLE DEC. LAT: 39.661133  
 SURVEYED LAT: 39° 38' 28.2"

FILE #: \_\_\_\_\_  
 DRAWING #: 2958  
 SCALE: PLAT: 1" = 2400'  
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: [Signature]  
 L.L.S. #2124 Ernest J. Benchek III



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 WYDEP  
 OFFICE OF OIL & GAS  
 601 57TH STREET  
 CHARLESTON, WV 25304  
 Well Type:  Oil  Waste Diposal  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  
 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  
 DATE: SEPTEMBER 9, 2021  
 OPERATOR'S WELL #: PHOENIX 4H  
 API WELL #: 47 61 01875 MOD  
 STATE COUNTY PERMIT  
 CURRENT ELEVATION: 1,538'  
 PROPOSED ELEVATION: 1,503.50'  
 QUADRANGLE: WADESTOWN  
 ACREAGE: 466.30 +/-  
 ACREAGE: 1679.55 **10/08/2021**  
 ESTIMATED DEPTH: TVD: 8,200 TMD: 27,284'  
 DESIGNATED AGENT: JOHN ADAMS  
 ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200  
 CITY: CHARLESTON STATE: WV ZIP CODE: 25301

PROPERTY OWNER INDEX	
1-24-16	ELIZABETH ANN & RANDY WILSON
1-17-14.1	FRANK M. CHISLER
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16-2-38	ROBERT E & LUELLA R CONAWAY
16-9-1.4	WACO OIL & GAS CO INC
16-2-14.5	SUE CHISLER
16-2-14.9	SUE CHISLER
16-9-41.1	JAMES R MOORE
16-9-2	AL MCPHERSON
16-9-40	JOHN & SANDRA J MOORE
4-26-11	CAROL S PAYTON

LEASE INDEX			
A	WV-061-004079-001	K	WV-061-004956-011
B	WV-061-004079-001	L	WV-061-004956-011
C	WV-061-003767-004	M	WV-061-005699-002
D	WV-061-004463-001	N	WV-061-005699-002
E	WV-061-004076-010	O	WV-061-000146-001-LOI
F	WV-061-005687-001	P	WV-061-000146-001-LOI
G	WV-061-001730-004	Q	WV-061-000146-001-LOI
H	WV-061-005109-026	R	WV-049-005267-001
I	WV-061-005588-001	S	WV-061-000146-001-LOI
J	WV-061-001906-020	T	WV-061-000146-001-LOI

10/08/2021

FILE #: NEE14

DRAWING #: 2958

SCALE: N/A

DATE: SEPTEMBER 9, 2021

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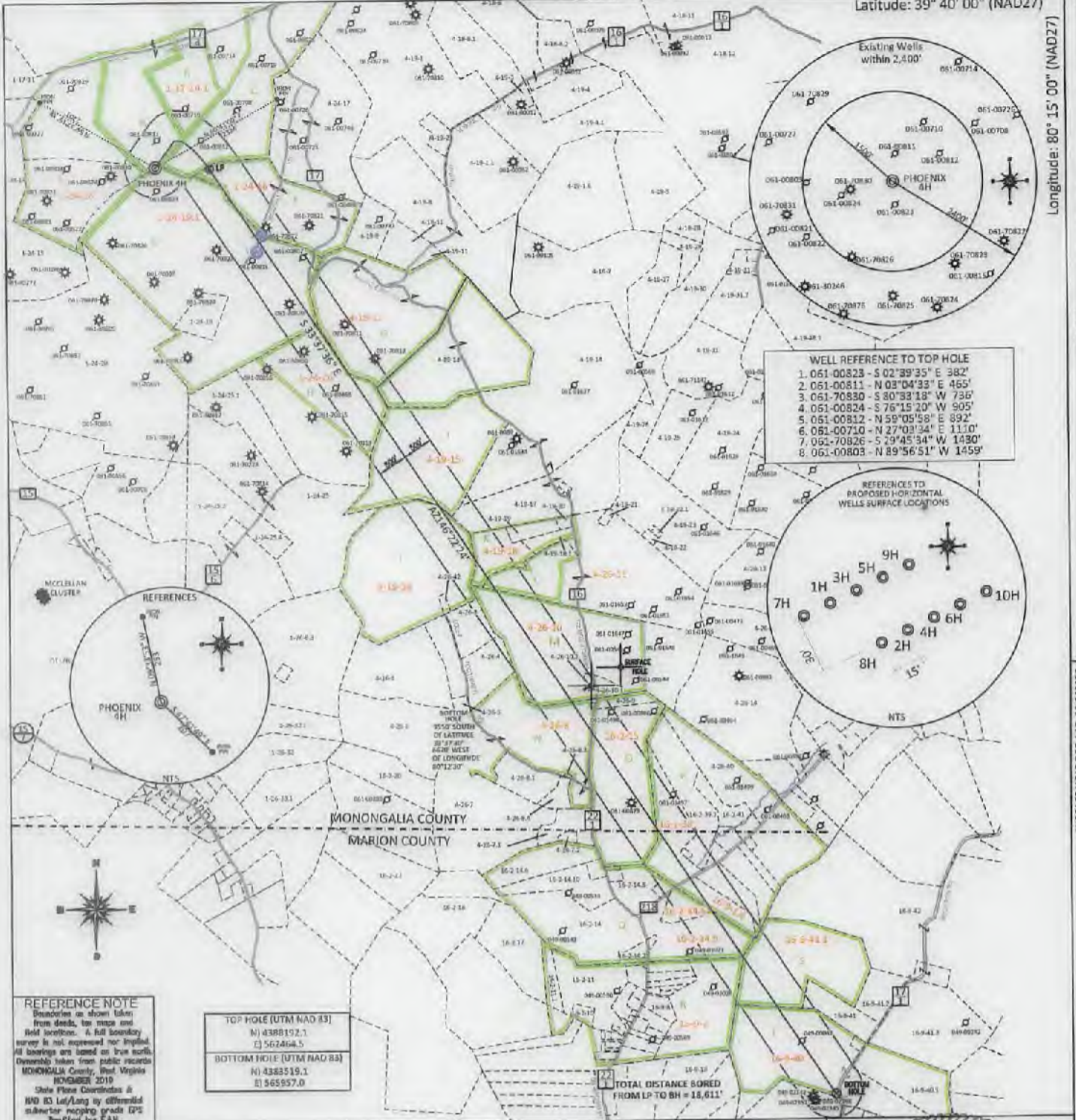
API WELL #: 47 61 01875 MAD  
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6,250'

Latitude: 39° 40' 00" (NAD27)

Longitude: 80° 15' 00" (NAD27)



SURFACE HOLE DEC. LAT: 39°41'15.3"  
 SURVEYED LAT: 39°42'28.2"

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4-26-8	BILLY C HAUGHT TRS ET AL
16-2-15	BILLY C & BETTY A HAUGHT
16-2-38	ROBERT E & LUELLA R CONAWAY
16-9-1.4	WACO OIL & GAS CO INC
16-2-14.5	SUE CHISLER
16-2-14.9	SUE CHISLER
16-9-41.1	JAMES R MOORE
16-9-2	AL MCPHERSON
16-9-40	JOHN & SANDRA J MOORE
4-26-11	CAROL S PAYTON

LEASE INDEX			
A	WV-061-004079-001	K	WV-061-004956-011
B	WV-061-004079-001	L	WV-061-004956-011
C	WV-061-003767-004	M	WV-061-005699-002
D	WV-061-004463-001	N	WV-061-005699-002
E	WV-061-004076-010	O	WV-061-000146-001-LOI
F	WV-061-005687-001	P	WV-061-000146-001-LOI
G	WV-061-001730-004	Q	WV-061-000146-001-LOI
H	WV-061-005109-026	R	WV-049-005267-001
I	WV-061-005588-001	S	WV-061-000146-001-LOI
J	WV-061-001906-020	T	WV-061-000146-001-LOI

10/08/2021

FILE #: NEE14

DRAWING #: 2958

SCALE: N/A

DATE: SEPTEMBER 9, 2021

OPERATOR'S WELL #: PHOENIX 4H

API WELL #: 47 STATE 61 COUNTY PERMIT 01875 Mod

**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

RECEIVED  
Office of Oil and Gas

SEP 22 2021

WV Department of  
Environmental Protection

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

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

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

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

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

Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
A	WV-061-004079-001	Pat L. Park	Northeast Natural Energy, LLC	12.5% or Greater	1566	164
A	WV-061-004446-002	Richard Nichols	Northeast Natural Energy, LLC	12.5% or Greater	1582	359
A	WV-061-004446-001	John Nichols	Northeast Natural Energy, LLC	12.5% or Greater	1581	357
A	WV-061-004446-003	Harold Tinker	Northeast Natural Energy, LLC	12.5% or Greater	1581	362
A	WV-061-004079-002	Gordon E. Park	Northeast Natural Energy, LLC	12.5% or Greater	1565	582
A	WV-061-004079-003	Paulette Park	Northeast Natural Energy, LLC	12.5% or Greater	1566	162
A	WV-061-003767-004	ERP Federal Mining Complex, LLC	Northeast Natural Energy, LLC	12.5% or Greater	1564	86
B	WV-061-004079-001	Pat L. Park	Northeast Natural Energy, LLC	12.5% or Greater	1566	164
B	WV-061-004446-002	Richard Nichols	Northeast Natural Energy, LLC	12.5% or Greater	1582	359
B	WV-061-004446-001	John Nichols	Northeast Natural Energy, LLC	12.5% or Greater	1581	357
B	WV-061-004446-003	Harold Tinker	Northeast Natural Energy, LLC	12.5% or Greater	1581	362
B	WV-061-004079-002	Gordon E. Park	Northeast Natural Energy, LLC	12.5% or Greater	1565	582
B	WV-061-004079-003	Paulette Park	Northeast Natural Energy, LLC	12.5% or Greater	1566	162
B	WV-061-003767-004	ERP Federal Mining Complex, LLC	Northeast Natural Energy, LLC	12.5% or Greater	1564	86
C	WV-061-003767-004	ERP Federal Mining Complex, LLC	Northeast Natural Energy, LLC	12.5% or Greater	1564	86
D	WV-061-004463-001	Patricia A. Haught	Northeast Natural Energy LLC	12.5% or Greater	1585	207
D	WV-061-004463-006	Regina Sue White	Northeast Natural Energy LLC	12.5% or Greater	1589	799
D	WV-061-004463-014	Belva York	Northeast Natural Energy LLC	12.5% or Greater	1589	833
D	WV-061-004463-010	Gary K. Moore and Janice Moore	Northeast Natural Energy LLC	12.5% or Greater	1589	829
D	WV-061-004463-012	Eric R. Moore and Connie L. Moore	Northeast Natural Energy LLC	12.5% or Greater	1589	809
D	WV-061-004463-009	Karen Breedlove	Northeast Natural Energy LLC	12.5% or Greater	1589	805
D	WV-061-004463-007	Kathy Sue Breedlove	Northeast Natural Energy LLC	12.5% or Greater	1589	801
D	WV-061-004463-021	Robert C. Moore	Northeast Natural Energy LLC	12.5% or Greater	1591	288
D	WV-061-004463-008	William K. Moore	Northeast Natural Energy LLC	12.5% or Greater	1589	803
D	WV-061-004463-011	Shirley Foster	Northeast Natural Energy LLC	12.5% or Greater	1589	807
D	WV-061-004463-013	Jackie Cotter	Northeast Natural Energy LLC	12.5% or Greater	1589	831
D	WV-061-004463-015	Ronald J. Haught	Northeast Natural Energy LLC	12.5% or Greater	1590	343
D	WV-061-004463-004	David M. Haught	Northeast Natural Energy LLC	12.5% or Greater	1588	434
D	WV-061-004463-017	Stanley L. Haught	Northeast Natural Energy LLC	12.5% or Greater	1591	280
D	WV-061-004463-003	Warren P. Haught	Northeast Natural Energy LLC	12.5% or Greater	1588	432
D	WV-061-004463-005	Connie S. Leary	Northeast Natural Energy LLC	12.5% or Greater	1588	436
D	WV-061-004463-016	Robert N. Tennant	Northeast Natural Energy LLC	12.5% or Greater	1590	345
D	WV-061-004463-018	Louella K. Woods, a/k/a Louella Tennant	Northeast Natural Energy LLC	12.5% or Greater	1591	282
D	WV-061-004463-020	Belletta Kasha Haught	Northeast Natural Energy LLC	12.5% or Greater	1591	286
D	WV-061-004463-019	Dale Haught	Northeast Natural Energy LLC	12.5% or Greater	1591	284
D	WV-061-004463-022	Patricia L. Haught	Northeast Natural Energy LLC	12.5% or Greater	1591	543
D	WV-061-004463-024	Lena R. Hendershot	Northeast Natural Energy LLC	12.5% or Greater	1602	29
D	WV-061-005188-001	Robert K. Tennant	Northeast Natural Energy LLC	12.5% or Greater	1621	770
E	WV-061-004076-010	Elizabeth C. Kiser	Northeast Natural Energy, LLC	12.5% or Greater	1565	197

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Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
E	WV-061-004076-007	John Roy Post	Northeast Natural Energy, LLC	12.5% or Greater	1566	176
E	WV-061-004076-012	Robert Lee Post	Northeast Natural Energy, LLC	12.5% or Greater	1565	191
E	WV-061-004076-002	Martha Susan Post	Northeast Natural Energy, LLC	12.5% or Greater	1562	745
E	WV-061-004076-005	Mara Post Nichols	Northeast Natural Energy, LLC	12.5% or Greater	1566	533
E	WV-061-004076-009	Joshua Post	Northeast Natural Energy, LLC	12.5% or Greater	1565	193
E	WV-061-004076-011	Jennifer Clare Boltoni	Northeast Natural Energy, LLC	12.5% or Greater	1565	588
E	WV-061-004076-013	Tori Birch	Northeast Natural Energy, LLC	12.5% or Greater	1568	509
E	WV-061-004076-006	Seth Pirmann	Northeast Natural Energy, LLC	12.5% or Greater	1563	188
E	WV-061-004076-008	Stacy Pirmann	Northeast Natural Energy, LLC	12.5% or Greater	1565	195
E	WV-061-004076-001	Sadie Pirmann Werley	Northeast Natural Energy, LLC	12.5% or Greater	1562	743
E	WV-061-004076-004	Jamie Lyn Pirmann	Northeast Natural Energy, LLC	12.5% or Greater	1562	741
E	WV-061-004076-003	Addisville Reformed Church	Northeast Natural Energy, LLC	12.5% or Greater	1562	747
F	WV-061-005687-001	Lynda Reeves Williams	Northeast Natural Energy, LLC	12.5% or Greater	1719	699
F	WV-061-005743-001	Donald G. Tennant, II	Northeast Natural Energy, LLC	12.5% or Greater	1728	713
F	WV-061-005687-003	Craig A. Dintaman	Northeast Natural Energy, LLC	12.5% or Greater	1730	359
G	WV-061-001730-004	Edith Louise Darrah	Northeast Natural Energy LLC	12.5% or Greater	1643	786
G	WV-061-004258-002	Billy Carl Haught	Northeast Natural Energy LLC	12.5% or Greater	1570	721
G	WV-061-004258-001	Kenneth L. Haught	Northeast Natural Energy LLC	12.5% or Greater	1585	173
H	WV-061-005109-026	Betty Jane Dean	Northeast Natural Energy LLC	12.5% or Greater	1637	742
H	WV-061-005638-001	Ridgetop Appalachia	Northeast Natural Energy LLC	12.5% or Greater	1697	711
H	WV-061-004120-079	Sharon Jane Wilson	Northeast Natural Energy LLC	12.5% or Greater	1666	155
H	WV-061-004120-081	Patricia Page	Northeast Natural Energy LLC	12.5% or Greater	1666	159
H	WV-061-004120-083	David C. Ammons	Northeast Natural Energy LLC	12.5% or Greater	1666	163
H	WV-061-004120-096	Sherrie K. Curtis	Northeast Natural Energy LLC	12.5% or Greater	1671	341
H	WV-061-004120-098	Linda Diane Williams	Northeast Natural Energy LLC	12.5% or Greater	1671	374
H	WV-061-004120-076	Patricia A. Wood	Northeast Natural Energy LLC	12.5% or Greater	1662	808
H	WV-061-004120-099	Dena Marie Chapman	Northeast Natural Energy LLC	12.5% or Greater	1671	385
H	WV-061-004120-086	Lisa J. Scott	Northeast Natural Energy LLC	12.5% or Greater	1670	106
H	WV-061-004120-087	Dale & Rebecca Chapman Revocable Family Trust	Northeast Natural Energy LLC	12.5% or Greater	1670	110
H	WV-061-004120-082	James Calvin Chapman	Northeast Natural Energy LLC	12.5% or Greater	1666	161
H	WV-061-004120-080	Daniel Henry Chapman	Northeast Natural Energy LLC	12.5% or Greater	1666	157
H	WV-061-004120-102	Diana Gay Mason	Northeast Natural Energy LLC	12.5% or Greater	1675	179
H	WV-061-004120-095	Ann Nell Weber	Northeast Natural Energy LLC	12.5% or Greater	1671	372
H	WV-061-004120-090	Nancy Jo Meinders	Northeast Natural Energy LLC	12.5% or Greater	1670	116
H	WV-061-004120-092	Darrell Williams	Northeast Natural Energy LLC	12.5% or Greater	1670	118
H	WV-061-004120-091	Linda Kay McDonald	Northeast Natural Energy LLC	12.5% or Greater	1670	112
H	WV-061-004120-093	Glenda Rae McLaury	Northeast Natural Energy LLC	12.5% or Greater	1671	286
H	WV-061-004120-088	James M. Springer	Northeast Natural Energy LLC	12.5% or Greater	1670	108
H	WV-061-004120-089	Saints Peter and Paul Catholic Church Trustees	Northeast Natural Energy LLC	12.5% or Greater	1671	347

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Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
H	WV-061-005500-024	Edwin James Wilson	Northeast Natural Energy LLC	12.5% or Greater	1682	354
H	WV-061-005500-025	Joseph P. Wilson	Northeast Natural Energy LLC	12.5% or Greater	1682	356
H	WV-061-005500-028	Kirsten Renee Joppi	Northeast Natural Energy LLC	12.5% or Greater	1683	653
H	WV-061-005500-031	Micah Baldwin-Wilson	Northeast Natural Energy LLC	12.5% or Greater	1686	119
H	WV-061-005500-026	Michael G. Wilson	Northeast Natural Energy LLC	12.5% or Greater	1688	201
H	WV-061-005500-022	Ruth Anne Holewonski	Northeast Natural Energy LLC	12.5% or Greater	1682	350
H	WV-061-005500-023	Mary Lou Stone	Northeast Natural Energy LLC	12.5% or Greater	1682	352
H	WV-061-005500-027	Pauline Elizabeth Wilson	Northeast Natural Energy LLC	12.5% or Greater	1683	311
H	Wv-061-005500-043	Dink Alan Taylor	Northeast Natural Energy LLC	12.5% or Greater	1690	298
H	Wv-061-005500-039	Trey Paul Taylor	Northeast Natural Energy LLC	12.5% or Greater	1688	589
H	WV-061-005500-040	Bo Martin Taylor	Northeast Natural Energy LLC	12.5% or Greater	1689	423
H	Wv-061-005500-033	David Richard Wilson	Northeast Natural Energy LLC	12.5% or Greater	1687	588
H	WV-061-005500-021	Robert Francis Sullivan	Northeast Natural Energy LLC	12.5% or Greater	1681	731
H	WV-061-005500-047	Elizabeth "Liz" Margaret LeMire	Northeast Natural Energy LLC	12.5% or Greater	1694	628
H	WV-061-005500-029	James E. Cromb	Northeast Natural Energy LLC	12.5% or Greater	1683	655
H	WV-061-005500-030	Jessica Rivera	Northeast Natural Energy LLC	12.5% or Greater	1684	503
H	WV-061-005500-019	Josephine Lee Chapman	Northeast Natural Energy LLC	12.5% or Greater	1687	586
H	WV-061-005188-001	Robert K. Tennant	Northeast Natural Energy LLC	12.5% or Greater	1621	770
H	WV-061-005109-013	Teddy Kyle Toothman	Northeast Natural Energy LLC	12.5% or Greater	1631	455
H	WV-061-004120-065	Craig E. Henderson	Northeast Natural Energy LLC	12.5% or Greater	1647	72
H	WV-061-004120-104	Mikell Ann Wilson Reagan	Northeast Natural Energy LLC	12.5% or Greater	1675	181
H	WV-061-004120-150	Julia Kay Wilson	Northeast Natural Energy LLC	12.5% or Greater	1678	296
H	WV-061-005500-049	Nancy Lawler	Northeast Natural Energy LLC	12.5% or Greater	1700	195
H	WV-061-005475-001	Burns Family General Partnership	Northeast Natural Energy LLC	12.5% or Greater	1647	171
H	WV-061-004120-114	Reginald K. Tennant	Northeast Natural Energy LLC	12.5% or Greater	1687	539
H	WV-061-004120-064	Connie C. Sutton	Northeast Natural Energy LLC	12.5% or Greater	1647	70
H	WV-061-004120-078	Donna C. Miller	Northeast Natural Energy LLC	12.5% or Greater	1666	153
H	WV-061-004560-041	Roxana Cahill	Northeast Natural Energy LLC	12.5% or Greater	1596	572
H	WV-061-005170-001	Merna Jean Shaffer Tennant	Northeast Natural Energy LLC	12.5% or Greater	1621	647
H	WV-061-004120-073	Clifford E. Bidwell	Northeast Natural Energy LLC	12.5% or Greater	1657	264
H	WV-061-005258-001	David S. Beal	Northeast Natural Energy LLC	12.5% or Greater	1628	631
H	WV-061-005258-002	Donald G. Beal	Northeast Natural Energy LLC	12.5% or Greater	1628	633
H	WV-061-005500-048	Ruth Ann Burns	Northeast Natural Energy LLC	12.5% or Greater	1704	111
H	WV-061-005500-050	Carol J. Howard	Northeast Natural Energy LLC	12.5% or Greater	1704	623
H	WV-061-005500-051	Olen McAllister	Northeast Natural Energy LLC	12.5% or Greater	1704	625
H	WV-061-004971-048	Eileen M. Flynt	Northeast Natural Energy LLC	12.5% or Greater	1627	391
H	WV-061-004971-049	Kathleen Louise Taylor	Northeast Natural Energy LLC	12.5% or Greater	1628	466
H	WV-061-004120-058	Wallace R. Bever	Northeast Natural Energy LLC	12.5% or Greater	1628	341
H	WV-061-005500-018	Laura Rose Brown	Northeast Natural Energy LLC	12.5% or Greater	1679	292
H	WV-061-004120-050	Marilyn Bean Knight	Northeast Natural Energy LLC	12.5% or Greater	1621	684
H	WV-061-004120-051	Patricia Ann Knight	Northeast Natural Energy LLC	12.5% or Greater	1621	682
H	WV-061-004971-079	David Forrest Knight	Northeast Natural Energy LLC	12.5% or Greater	1636	251

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Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
H	WV-061-004120-056	Martha Jean Mitchell	Northeast Natural Energy LLC	12.5% or Greater	1627	272
H	WV-061-005411-001	Charles Ralston Banister	Northeast Natural Energy LLC	12.5% or Greater	1640	662
H	WV-061-004971-059	Mary K. Frisch	Northeast Natural Energy LLC	12.5% or Greater	1628	468
H	WV-061-004971-064	David Morgan Bannister	Northeast Natural Energy LLC	12.5% or Greater	1628	477
H	WV-061-004120-054	Marjorie Ann Turley	Northeast Natural Energy LLC	12.5% or Greater	1627	268
H	WV-061-004120-055	John Evan Northeimer	Northeast Natural Energy LLC	12.5% or Greater	1627	270
H	WV-061-004120-053	William W. Northeimer	Northeast Natural Energy LLC	12.5% or Greater	1627	266
H	WV-061-004971-044	Douglas E. Browning	Northeast Natural Energy LLC	12.5% or Greater	1622	803
H	WV-061-004971-023	Frances C. Richie	Northeast Natural Energy LLC	12.5% or Greater	1618	739
H	WV-061-004971-021	Patrick C. Barr	Northeast Natural Energy LLC	12.5% or Greater	1618	735
H	WV-061-004971-015	Michael P. Barr	Northeast Natural Energy LLC	12.5% or Greater	1618	725
H	WV-061-004971-014	Larry S. Barr	Northeast Natural Energy LLC	12.5% or Greater	1618	723
H	WV-061-004971-063	Kevin P. Watson	Northeast Natural Energy LLC	12.5% or Greater	1628	474
H	WV-061-004971-060	Jeremy B. Watson	Northeast Natural Energy LLC	12.5% or Greater	1628	470
H	WV-061-004971-019	Joyce L. Masser	Northeast Natural Energy LLC	12.5% or Greater	1618	731
H	WV-061-004971-031	Lisa Carroll	Northeast Natural Energy LLC	12.5% or Greater	1621	215
H	WV-061-004971-026	Linda S. Frankford	Northeast Natural Energy LLC	12.5% or Greater	1620	45
H	WV-061-004971-074	Becki L. Deskin	Northeast Natural Energy LLC	12.5% or Greater	1633	501
H	WV-061-004971-022	Paula L. Picon	Northeast Natural Energy LLC	12.5% or Greater	1618	737
H	WV-061-004971-012	Linda Austin	Northeast Natural Energy LLC	12.5% or Greater	1618	719
H	WV-061-004971-050	James Alan Williams	Northeast Natural Energy LLC	12.5% or Greater	1627	385
H	WV-061-004593-005	Joyce Williams	Northeast Natural Energy LLC	12.5% or Greater	1606	62
H	WV-061-004971-051	Jack Williams	Northeast Natural Energy LLC	12.5% or Greater	1627	387
H	WV-061-004971-050	Jennifer Williams	Northeast Natural Energy LLC	12.5% or Greater	1627	385
H	WV-061-004971-024	Jaye Ann Williams	Northeast Natural Energy LLC	12.5% or Greater	1618	741
H	WV-061-004971-076	Patrick K. Myers	Northeast Natural Energy LLC	12.5% or Greater	1635	426
H	WV-061-004971-082	Keith A. Myers	Northeast Natural Energy LLC	12.5% or Greater	1637	736
H	WV-061-004971-061	Larry R. Moore	Northeast Natural Energy LLC	12.5% or Greater	1628	472
H	WV-061-004971-080	Eleanor J. Carroll	Northeast Natural Energy LLC	12.5% or Greater	1636	253
H	WV-061-004971-081	Claudia Brown	Northeast Natural Energy LLC	12.5% or Greater	1637	734
H	WV-061-004971-045	Rhonda Bailey	Northeast Natural Energy LLC	12.5% or Greater	1623	495
H	WV-061-004971-065	Deena Brown	Northeast Natural Energy LLC	12.5% or Greater	1629	150
H	WV-061-004971-070	Garold L. Brown	Northeast Natural Energy LLC	12.5% or Greater	1631	447
H	WV-061-004971-017	Ora Kay Yarbrough	Northeast Natural Energy LLC	12.5% or Greater	1618	727
H	WV-061-004971-007	Debra S. Wells	Northeast Natural Energy LLC	12.5% or Greater	1616	222
H	WV-061-004971-066	Patricia S. Christian	Northeast Natural Energy LLC	12.5% or Greater	1629	152
H	WV-061-004971-027	Paulette A. Sawvel	Northeast Natural Energy LLC	12.5% or Greater	1620	58
H	WV-061-004971-052	Darlene W. Vorhies	Northeast Natural Energy LLC	12.5% or Greater	1627	389
H	WV-061-004971-046	Jerry Atwood	Northeast Natural Energy LLC	12.5% or Greater	1627	74
H	WV-061-004971-084	Julie K. Kime	Northeast Natural Energy LLC	12.5% or Greater	1637	738
H	WV-061-004971-034	Celia Harman	Northeast Natural Energy LLC	12.5% or Greater	1621	624
H	WV-061-004971-083	Steven Hawk	Northeast Natural Energy LLC	12.5% or Greater	1638	546

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Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
H	WV-061-004971-085	Kelley Kueck	Northeast Natural Energy LLC	12.5% or Greater	1640	327
H	WV-061-005500-005	Billie J. Hodges	Northeast Natural Energy LLC	12.5% or Greater	1662	1
H	WV-061-005284-001	James B. Hawk	Northeast Natural Energy LLC	12.5% or Greater	1629	308
H	WV-061-005500-035	Kevin Hawk	Northeast Natural Energy LLC	12.5% or Greater	1691	780
H	WV-061-004971-008	Barbara Uhrig	Northeast Natural Energy LLC	12.5% or Greater	1618	376
H	WV-061-004971-042	Rhonda Henry	Northeast Natural Energy LLC	12.5% or Greater	1622	799
H	WV-061-004971-043	Robin Cornett	Northeast Natural Energy LLC	12.5% or Greater	1622	801
H	WV-061-005500-037	Cindy Russell Lee	Northeast Natural Energy LLC	12.5% or Greater	1681	585
H	WV-061-004971-027	Karen A. Palencar	Northeast Natural Energy LLC	12.5% or Greater	1620	62
H	WV-061-005500-002	David Harold Russell	Northeast Natural Energy LLC	12.5% or Greater	1652	261
H	WV-061-005500-036	Peggy Lee Burchett	Northeast Natural Energy LLC	12.5% or Greater	1688	583
H	WV-061-004971-072	Tamaree Beatrice Littlefield	Northeast Natural Energy LLC	12.5% or Greater	1631	451
H	WV-061-004378-040	Belinda Michele Gilpin	Northeast Natural Energy LLC	12.5% or Greater	1687	555
H	WV-061-004971-020	John Fincke	Northeast Natural Energy LLC	12.5% or Greater	1618	733
H	WV-061-004971-018	Debra C. Edwards	Northeast Natural Energy LLC	12.5% or Greater	1618	729
H	WV-061-004971-004	Iris J. Russell	Northeast Natural Energy LLC	12.5% or Greater	1616	184
H	WV-061-004971-005	William D. Garrett	Northeast Natural Energy LLC	12.5% or Greater	1616	186
H	WV-061-004971-013	Barbara A. Stover	Northeast Natural Energy LLC	12.5% or Greater	1618	721
H	WV-061-004971-002	Robert A. Garrett	Northeast Natural Energy LLC	12.5% or Greater	1616	180
H	WV-061-005500-015	Todd E. Long	Northeast Natural Energy LLC	12.5% or Greater	1673	319
H	WV-061-004971-001	Cynthia K. Leininger	Northeast Natural Energy LLC	12.5% or Greater	1615	633
H	WV-061-004971-006	Dorothy Mae Johnson	Northeast Natural Energy LLC	12.5% or Greater	1616	220
H	WV-061-005500-038	Charles A. Winland	Northeast Natural Energy LLC	12.5% or Greater	1688	587
H	WV-061-004971-028	Thomas L. Winland	Northeast Natural Energy LLC	12.5% or Greater	1620	60
H	WV-061-005500-044	William B. Winland	Northeast Natural Energy LLC	12.5% or Greater	1690	300
H	WV-061-004971-003	Coralee Garrett	Northeast Natural Energy LLC	12.5% or Greater	1616	182
H	WV-061-004971-010	Rodona A. Dunfee	Northeast Natural Energy LLC	12.5% or Greater	1618	380
H	WV-061-004971-047	Patti L. Leasure	Northeast Natural Energy LLC	12.5% or Greater	1627	76
H	WV-061-004971-009	Sharon K. Gustina	Northeast Natural Energy LLC	12.5% or Greater	1618	378
H	WV-061-005500-032	Joshua K. "Kenney" Irwin	Northeast Natural Energy LLC	12.5% or Greater	1688	203
H	WV-061-004971-071	Maria Evanoff	Northeast Natural Energy LLC	12.5% or Greater	1631	449
H	WV-061-004971-068	Erin Chacon	Northeast Natural Energy LLC	12.5% or Greater	1631	279
H	WV-061-004971-032	William D. Louthen	Northeast Natural Energy LLC	12.5% or Greater	1621	218
H	WV-061-005500-003	Constance "Brenner" Louthen	Northeast Natural Energy LLC	12.5% or Greater	1661	847
H	WV-061-005500-001	Ruth A. Garrett	Northeast Natural Energy LLC	12.5% or Greater	1650	391
H	WV-061-004971-078	Donna M. Engle	Northeast Natural Energy LLC	12.5% or Greater	1638	394
H	WV-061-005500-014	Maxine G. Morton	Northeast Natural Energy LLC	12.5% or Greater	1670	132
H	WV-061-005500-013	Karen Anita Powers	Northeast Natural Energy LLC	12.5% or Greater	1670	130
H	WV-061-005500-006	Douglas Sutton	Northeast Natural Energy LLC	12.5% or Greater	1662	3
H	WV-061-005500-016	Danielle Blalock	Northeast Natural Energy LLC	12.5% or Greater	1673	321
H	WV-061-005500-004	Barbara June Sutton	Northeast Natural Energy LLC	12.5% or Greater	1661	849
H	WV-061-005500-007	Stephen R. Sutton	Northeast Natural Energy LLC	12.5% or Greater	1662	5

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Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
H	WV-061-005500-006	Douglas B. Sutton	Northeast Natural Energy LLC	12.5% or Greater	1662	3
H	WV-061-004790-022	Earl W. Pyles	Northeast Natural Energy LLC	12.5% or Greater	1626	84
H	WV-061-004790-008	Juanita D. Willard	Northeast Natural Energy LLC	12.5% or Greater	1611	765
H	WV-061-004850-003	Harriet K. Pyles	Northeast Natural Energy LLC	12.5% or Greater	1620	27
H	WV-061-005109-019	Douglas Alan Swisher	Northeast Natural Energy LLC	12.5% or Greater	1631	281
H	WV-061-005109-017	Charles Michael Swisher	Northeast Natural Energy LLC	12.5% or Greater	1629	184
H	WV-061-004905-001	Francis Gregory Swisher	Northeast Natural Energy LLC	12.5% or Greater	1618	340
H	WV-061-004979-002	Connie J. Pyles	Northeast Natural Energy LLC	12.5% or Greater	1616	230
H	WV-061-004979-003	John Eric Pyles	Northeast Natural Energy LLC	12.5% or Greater	1620	70
H	WV-061-004979-003	Richard Derald Pyles	Northeast Natural Energy LLC	12.5% or Greater	1620	70
H	WV-061-004979-004	Dottie Lou Gump	Northeast Natural Energy LLC	12.5% or Greater	1620	72
H	WV-061-004790-003	Sheila Kay Robbins	Northeast Natural Energy LLC	12.5% or Greater	1607	434
H	WV-061-004790-019	Robert Lee Yost	Northeast Natural Energy LLC	12.5% or Greater	1621	672
H	WV-061-004850-006	Mary Sue Chisler	Northeast Natural Energy LLC	12.5% or Greater	1621	622
H	WV-061-005169-001	Wilda Lough Tidwell	Northeast Natural Energy LLC	12.5% or Greater	1621	644
H	WV-061-004120-072	Betty Henderson	Northeast Natural Energy LLC	12.5% or Greater	1654	311
H	WV-061-005110-001	Kathy Hypes	Northeast Natural Energy LLC	12.5% or Greater	1618	452
H	WV-061-004850-002	Nancy Vincent	Northeast Natural Energy LLC	12.5% or Greater	1618	352
H	WV-061-004120-101	Steven Forest Croasmun	Northeast Natural Energy LLC	12.5% or Greater	1673	364
H	WV-061-004120-085	David Steven Handy	Northeast Natural Energy LLC	12.5% or Greater	1670	104
H	WV-061-005109-032	Kathy Lee Roberts Longwell	Northeast Natural Energy LLC	12.5% or Greater	1655	520
H	WV-061-004120-115	James P. Eismon	Northeast Natural Energy LLC	12.5% or Greater	1694	597
H	WV-061-004120-115	Jennifer Lynn Eismon Sabo	Northeast Natural Energy LLC	12.5% or Greater	1694	597
H	WV-061-004596-002	Suzanne Irene McConnell	Northeast Natural Energy LLC	12.5% or Greater	1596	831
H	WV-061-004560-050	Carissa Michelle Allen	Northeast Natural Energy LLC	12.5% or Greater	1600	45
H	WV-061-004560-046	Melissa C. Allen	Northeast Natural Energy LLC	12.5% or Greater	1597	574
H	WV-061-004596-003	David R. Cross	Northeast Natural Energy LLC	12.5% or Greater	1597	3
H	WV-061-005109-030	Diane A. Edgerton	Northeast Natural Energy LLC	12.5% or Greater	1655	516
H	WV-061-005109-031	Terry L. Finster	Northeast Natural Energy LLC	12.5% or Greater	1655	518
H	WV-061-004120-094	Timothy W. Cross	Northeast Natural Energy LLC	12.5% or Greater	1671	370
H	WV-061-004120-110	Donna Jean Culver	Northeast Natural Energy LLC	12.5% or Greater	1684	67
H	WV-061-004120-100	Barbara E. Culver Wright	Northeast Natural Energy LLC	12.5% or Greater	1671	387
H	WV-061-004120-106	Julie Zumbach	Northeast Natural Energy LLC	12.5% or Greater	1678	689
H	WV-061-004120-097	Arden Lee Culver	Northeast Natural Energy LLC	12.5% or Greater	1673	362
H	WV-061-004560-043	Harold James Cross	Northeast Natural Energy LLC	12.5% or Greater	1597	568
H	WV-061-004560-042	Glenn E. Rowland	Northeast Natural Energy LLC	12.5% or Greater	1597	566
H	WV-061-004560-048	Carol Jean Cross Goddard	Northeast Natural Energy LLC	12.5% or Greater	1598	415
H	WV-061-004560-044	Howard Jack Cross	Northeast Natural Energy LLC	12.5% or Greater	1597	570
H	WV-061-004560-033	Michele D. Daley	Northeast Natural Energy LLC	12.5% or Greater	1596	736
H	WV-061-004560-037	Linda Kaye Supplee	Northeast Natural Energy LLC	12.5% or Greater	1596	835
H	WV-061-004560-034	Constance Sue Robb	Northeast Natural Energy LLC	12.5% or Greater	1596	738
H	WV-061-004850-011	Lisa Marie LaBier Grant	Northeast Natural Energy LLC	12.5% or Greater	1643	556

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Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
H	WV-061-004120-124	Jean Frances Wilson Bane	Northeast Natural Energy LLC	12.5% or Greater		
H	WV-061-005109-016	Donald Steven Lemley	Northeast Natural Energy LLC	12.5% or Greater	1629	182
H	WV-061-004120-107	Deanne Marie Hudson	Northeast Natural Energy LLC	12.5% or Greater	1680	617
H	WV-061-005109-015	Keith Richard McCollough	Northeast Natural Energy LLC	12.5% or Greater	1629	180
H	WV-061-005159-001	Larry Dean McCollough	Northeast Natural Energy LLC	12.5% or Greater	1621	557
H	WV-061-004120-111	Denise Cocozzo	Northeast Natural Energy LLC	12.5% or Greater	1684	844
H	WV-061-004120-108	Joy Faith Westbrooks	Northeast Natural Energy LLC	12.5% or Greater	1681	713
H	WV-061-005109-003	George Argie	Northeast Natural Energy LLC	12.5% or Greater	1621	626
H	WV-061-005109-012	Gina Argie Keslar Cichocki	Northeast Natural Energy LLC	12.5% or Greater	1627	414
H	WV-061-005110-003	Larry Brent Morris	Northeast Natural Energy LLC	12.5% or Greater	1621	630
H	WV-061-005263-001	Cheryl D. Wilson	Northeast Natural Energy LLC	12.5% or Greater	1628	666
H	WV-061-004560-022	Gloria Jean Martin Johnson	Northeast Natural Energy LLC	12.5% or Greater	1594	367
H	WV-061-004560-035	Kelly Ann Ozias	Northeast Natural Energy LLC	12.5% or Greater	1596	740
H	WV-061-004560-045	Lisa D. Gibson	Northeast Natural Energy LLC	12.5% or Greater	1597	572
H	WV-061-004560-031	Dana J. Lough	Northeast Natural Energy LLC	12.5% or Greater	1596	732
H	WV-061-004560-030	Dara Jan Cottrell	Northeast Natural Energy LLC	12.5% or Greater	1596	730
H	WV-061-004560-009	Rosemary Brown Ballard	Northeast Natural Energy LLC	12.5% or Greater	1594	7
H	WV-061-004560-023	Isaac Gray	Northeast Natural Energy LLC	12.5% or Greater	1594	369
H	WV-061-004560-020	Roger Keith Ballard	Northeast Natural Energy LLC	12.5% or Greater	1594	363
H	WV-061-004560-032	Shirley Ann Ballard	Northeast Natural Energy LLC	12.5% or Greater	1596	734
H	WV-061-004560-005	Sharon C. Lane	Northeast Natural Energy LLC	12.5% or Greater	1593	848
H	WV-061-004560-006	Iris M. Wilson	Northeast Natural Energy LLC	12.5% or Greater	1594	1
H	WV-061-004560-027	Timothy Michael Funari	Northeast Natural Energy LLC	12.5% or Greater	1596	602
H	WV-061-004560-017	Daniel Drew Funari	Northeast Natural Energy LLC	12.5% or Greater	1594	357
H	WV-061-004560-029	Michelle Dawn Funari	Northeast Natural Energy LLC	12.5% or Greater	1596	728
H	WV-061-004560-028	Jamie S. Funari	Northeast Natural Energy LLC	12.5% or Greater	1596	604
H	WV-061-004560-025	Ernest Myron Kemp	Northeast Natural Energy LLC	12.5% or Greater	1594	373
H	WV-061-004560-024	Timmy Lee Kemp	Northeast Natural Energy LLC	12.5% or Greater	1594	371
H	WV-061-004560-018	Anna Lee Bane	Northeast Natural Energy LLC	12.5% or Greater	1594	359
H	WV-061-004560-007	Sandra F. Johnson	Northeast Natural Energy LLC	12.5% or Greater	1594	3
H	WV-061-004560-019	Renald Lewis Jeslosky	Northeast Natural Energy LLC	12.5% or Greater	1594	361
H	WV-061-004560-016	Nancy E. Hudson	Northeast Natural Energy LLC	12.5% or Greater	1594	355
H	WV-061-004560-001	Dennis L. Hudson	Northeast Natural Energy LLC	12.5% or Greater	1591	721
H	WV-061-004560-021	Robin M. Hudson Chelko Ramussen	Northeast Natural Energy LLC	12.5% or Greater	1594	365
H	WV-061-004560-008	Imogene Louise Bane	Northeast Natural Energy LLC	12.5% or Greater	1594	5
H	WV-061-004560-036	Rodney Keith Bane	Northeast Natural Energy LLC	12.5% or Greater	1596	742
H	WV-061-004120-048	Yolanda Leann Newbraugh Mason	Northeast Natural Energy LLC	12.5% or Greater	1615	815
H	WV-061-004560-047	Paul Denver Bane	Northeast Natural Energy LLC	12.5% or Greater	1597	576
H	WV-061-004596-004	Dike Jenkins	Northeast Natural Energy LLC	12.5% or Greater	1597	597
H	WV-061-004790-011	Regina Cheryl Linville Kindler	Northeast Natural Energy LLC	12.5% or Greater	1613	765
H	WV-061-004795-008	Darren Lee Austin	Northeast Natural Energy LLC	12.5% or Greater	1621	234
H	WV-061-004795-007	Brandon Dale Austin	Northeast Natural Energy LLC	12.5% or Greater	1614	473

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Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
H	WV-061-004560-003	Rodney Wayne Tennant	Northeast Natural Energy LLC	12.5% or Greater	1592	558
H	WV-061-004560-002	Billy Ray Tennant	Northeast Natural Energy LLC	12.5% or Greater	1592	556
H	WV-061-004560-004	Jimmy Randall Tennant	Northeast Natural Energy LLC	12.5% or Greater	1592	560
H	WV-061-004560-013	Patricia Jane Tennant	Northeast Natural Energy LLC	12.5% or Greater	1594	74
H	WV-061-004560-010	Pamela Lane Tennant	Northeast Natural Energy LLC	12.5% or Greater	1594	9
H	WV-061-004560-011	Kimberly Dawn Coker	Northeast Natural Energy LLC	12.5% or Greater	1594	122
H	WV-061-004560-012	James David Tennant	Northeast Natural Energy LLC	12.5% or Greater	1594	72
H	WV-061-004120-031	Sandy Moore	Northeast Natural Energy LLC	12.5% or Greater	1587	286
H	WV-061-004120-109	Janice Wilson Hall	Northeast Natural Energy LLC	12.5% or Greater	1682	318
H	WV-061-005175-001	Jeffrey Dewayne Williams	Northeast Natural Energy LLC	12.5% or Greater	1621	756
H	WV-061-004596-005	Kenneth D. Williams	Northeast Natural Energy LLC	12.5% or Greater	1606	62
H	WV-061-004120-021	Kate Drobek	Northeast Natural Energy LLC	12.5% or Greater	1585	189
H	WV-061-004120-041	Mary Ann Dierolf	Northeast Natural Energy LLC	12.5% or Greater	1591	656
H	WV-061-004120-010	Thomas Rhey Barnard	Northeast Natural Energy LLC	12.5% or Greater	1580	566
H	WV-061-004120-023	Clark Donley Stiles	Northeast Natural Energy LLC	12.5% or Greater	1585	193
H	WV-061-004120-014	John Stiles	Northeast Natural Energy LLC	12.5% or Greater	1581	309
H	WV-061-004120-026	Gina L. Smith	Northeast Natural Energy LLC	12.5% or Greater	1586	532
H	WV-061-004120-027	Beth Ann Rouse	Northeast Natural Energy LLC	12.5% or Greater	1586	534
H	WV-061-004120-028	Frank Donley Vassalo	Northeast Natural Energy LLC	12.5% or Greater	1586	536
H	WV-061-004120-037	James Jay Vassalo	Northeast Natural Energy LLC	12.5% or Greater	1589	791
H	WV-061-004120-020	Anita Kay Furfari	Northeast Natural Energy LLC	12.5% or Greater	1584	791
H	WV-061-004120-029	Josephine Stiles Rush	Northeast Natural Energy LLC	12.5% or Greater	1586	538
H	WV-061-004120-038	Diane Marie Myers	Northeast Natural Energy LLC	12.5% or Greater	1589	793
H	WV-061-004120-032	Margaret Anne Stiles	Northeast Natural Energy LLC	12.5% or Greater	1589	222
H	WV-061-004298-002	Gregory C. Mason	Northeast Natural Energy LLC	12.5% or Greater	1573	196
H	WV-061-004298-001	Zachary L. Mason	Northeast Natural Energy LLC	12.5% or Greater	1573	194
H	WV-061-004120-036	Alan Howard	Northeast Natural Energy LLC	12.5% or Greater	1589	745
H	WV-061-004120-035	Mark D. Howard	Northeast Natural Energy LLC	12.5% or Greater	1589	743
H	WV-061-004120-033	Brad Howard	Northeast Natural Energy LLC	12.5% or Greater	1589	739
H	WV-061-004120-034	Brian K. Howard	Northeast Natural Energy LLC	12.5% or Greater	1589	741
H	WV-061-004120-022	Sandra Lee Woods	Northeast Natural Energy LLC	12.5% or Greater	1585	191
H	WV-061-005160-001	David Wayne Barr	Northeast Natural Energy LLC	12.5% or Greater	1621	559
H	WV-061-004850-005	Patricia A. Salvatore	Northeast Natural Energy LLC	12.5% or Greater	1620	31
H	WV-061-004850-004	Deborah M. Murray	Northeast Natural Energy LLC	12.5% or Greater	1620	29
H	WV-061-004850-016	Judith Ann Munkittrick	Northeast Natural Energy LLC	12.5% or Greater	1657	337
H	WV-061-004120-116	Walter Kevin Huffman	Northeast Natural Energy LLC	12.5% or Greater	1696	94
H	WV-061-004120-119	Linda L. Redmond	Northeast Natural Energy LLC	12.5% or Greater	1711	560
H	WV-061-004120-122	Jimmie Wayne Redmond	Northeast Natural Energy LLC	12.5% or Greater	1716	35
H	WV-061-004120-125	Wendy Lou Redmond	Northeast Natural Energy LLC	12.5% or Greater	1717	283
H	WV-061-004120-120	Barbara Joann Bowers	Northeast Natural Energy LLC	12.5% or Greater	1711	562
H	WV-061-004120-121	Stephen Franklin Bowers	Northeast Natural Energy LLC	12.5% or Greater	1716	73
H	WV-061-004120-118	Jimmie Douglas Straight	Northeast Natural Energy LLC	12.5% or Greater	1713	530

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Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
H	WV-061-004120-123	Virginia Marie Griffin	Northeast Natural Energy LLC	12.5% or Greater	1716	37
H	WV-061-004120-126	Jimmie Douglas Straight	Northeast Natural Energy LLC	12.5% or Greater	1718	434
H	WV-061-005570-003	Diane Morris	Northeast Natural Energy LLC	12.5% or Greater	1675	213
H	WV-061-005570-001	Stacy Oliver	Northeast Natural Energy LLC	12.5% or Greater	1675	209
H	WV-061-005570-005	Chad Michael Morris	Northeast Natural Energy LLC	12.5% or Greater	1675	215
H	WV-061-005109-001	Seth A. Rush	Northeast Natural Energy LLC	12.5% or Greater	1618	448
H	WV-061-005109-002	Shari L. Rush	Northeast Natural Energy LLC	12.5% or Greater	1618	450
H	WV-061-004790-016	Paulette Park	Northeast Natural Energy LLC	12.5% or Greater	1622	24
H	WV-061-004790-018	Gordon E. Park	Northeast Natural Energy LLC	12.5% or Greater	1622	26
H	WV-061-005110-006	Tammarra L. Uhren Mordecki	Northeast Natural Energy LLC	12.5% or Greater	1627	416
H	WV-061-005110-005	Eugene J. Hermann	Northeast Natural Energy LLC	12.5% or Greater	1621	634
H	WV-061-005110-004	Linda D. Hermann	Northeast Natural Energy LLC	12.5% or Greater	1621	632
H	WV-061-005110-007	Paul John Herman	Northeast Natural Energy LLC	12.5% or Greater	1628	479
H	WV-061-005110-010	Maryjean Hermann	Northeast Natural Energy LLC	12.5% or Greater	1628	483
H	WV-061-005110-012	Rodana D. Hermann Gorman	Northeast Natural Energy LLC	12.5% or Greater	1631	283
H	WV-061-005110-008	Kathy Bernice Herman Chesney	Northeast Natural Energy LLC	12.5% or Greater	1627	418
H	WV-061-005110-002	Lori Mendiola	Northeast Natural Energy LLC	12.5% or Greater	1621	628
H	WV-061-005110-011	Thomas L. Austin	Northeast Natural Energy LLC	12.5% or Greater	1629	186
H	WV-061-005442-001	Twyla E. Wright	Northeast Natural Energy LLC	12.5% or Greater	1643	430
H	WV-061-004790-004	Nellie G. Tennant	Northeast Natural Energy LLC	12.5% or Greater	1607	436
H	WV-061-004120-060	Terrance W. Mason	Northeast Natural Energy LLC	12.5% or Greater	1630	1
H	WV-061-004120-061	Debra L. Frazier	Northeast Natural Energy LLC	12.5% or Greater	1631	349
H	WV-061-004790-023	Albert George Tennant	Northeast Natural Energy LLC	12.5% or Greater	1657	331
H	WV-061-004120-057	Marsha Catern Wilson	Northeast Natural Energy LLC	12.5% or Greater	1628	339
H	WV-061-004120-068	Linda Jane Jones	Northeast Natural Energy LLC	12.5% or Greater	1650	145
H	WV-061-004120-059	Nancy A. Kallas	Northeast Natural Energy LLC	12.5% or Greater	1629	849
H	WV-061-005110-014	Toni Lindsey Greene	Northeast Natural Energy LLC	12.5% or Greater	1631	457
H	WV-061-004120-084	James D. Krotzer	Northeast Natural Energy LLC	12.5% or Greater	1678	294
H	WV-061-005175-004	Karl Von Krotzer	Northeast Natural Energy LLC	12.5% or Greater	1653	154
H	WV-061-004120-077	Yolanda Krotzer Davis	Northeast Natural Energy LLC	12.5% or Greater	1666	151
H	WV-061-005110-017	David Ray Haught	Northeast Natural Energy LLC	12.5% or Greater	1648	300
H	WV-061-005110-009	Lori Lynn Browning	Northeast Natural Energy LLC	12.5% or Greater	1628	481
H	WV-061-005110-009	Kirk R. Tuttle	Northeast Natural Energy LLC	12.5% or Greater	1628	481
H	WV-061-004120-113	Vickie J. Childress	Northeast Natural Energy LLC	12.5% or Greater	1686	135
H	WV-061-004120-112	Debbie L. Goss	Northeast Natural Energy LLC	12.5% or Greater	1686	133
H	WV-061-005175-002	Linda Kay Sipe	Northeast Natural Energy LLC	12.5% or Greater	1645	250
H	WV-061-005501-001	Stephen Ray Haught	Northeast Natural Energy LLC	12.5% or Greater	1650	393
H	WV-061-005175-003	Carol Tidwell	Northeast Natural Energy LLC	12.5% or Greater	1645	252
H	WV-061-005175-005	Lauren Lynn Luckert	Northeast Natural Energy LLC	12.5% or Greater	1653	156
H	WV-061-005110-015	Marilyn Haught	Northeast Natural Energy LLC	12.5% or Greater	1638	553
H	WV-061-004120-075	Helen L. Bunting	Northeast Natural Energy LLC	12.5% or Greater	1670	102
H	WV-061-004120-074	Richard M. McCance	Northeast Natural Energy LLC	12.5% or Greater	1658	605

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Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
H	WV-061-005109-034	Brian Keith Clark	Northeast Natural Energy LLC	12.5% or Greater	1655	552
H	WV-061-004850-017	Cheryl Lee Clark	Northeast Natural Energy LLC	12.5% or Greater	1655	624
H	WV-061-005109-028	Derrell Alexander Brame	Northeast Natural Energy LLC	12.5% or Greater	1654	60
H	WV-061-005109-033	Paul Harry McBride	Northeast Natural Energy LLC	12.5% or Greater	1654	62
H	WV-061-004850-014	Paula McBride	Northeast Natural Energy LLC	12.5% or Greater	1654	58
H	WV-061-004850-009	Kerri Lynn Clark	Northeast Natural Energy LLC	12.5% or Greater	1635	389
H	WV-061-005112-001	Tara Lynn Owens	Northeast Natural Energy LLC	12.5% or Greater	1618	454
H	WV-061-005227-001	Randall Craig Hurt	Northeast Natural Energy LLC	12.5% or Greater	1633	399
H	WV-061-004603-002	Marvin Keith Wilson	Northeast Natural Energy LLC	12.5% or Greater	1607	272
H	WV-061-005500-042	JoAnn Snyder	Northeast Natural Energy LLC	12.5% or Greater	1690	296
H	WV-061-005500-045	Royal J. Burnett	Northeast Natural Energy LLC	12.5% or Greater	1690	302
H	WV-061-005500-041	Marvin Lynn Wilson	Northeast Natural Energy LLC	12.5% or Greater	1690	294
H	WV-061-005265-001	Jeff Romano	Northeast Natural Energy LLC	12.5% or Greater	1629	284
H	WV-061-004560-039	Anthony Scott Taylor	Northeast Natural Energy LLC	12.5% or Greater	1597	217
H	WV-061-005277-001	Beth A. Perchuk	Northeast Natural Energy LLC	12.5% or Greater	1629	298
H	WV-061-004518-001	Bernard R. Tennant	Northeast Natural Energy LLC	12.5% or Greater	1588	426
H	WV-061-004120-011	Annetta Mathews	Northeast Natural Energy LLC	12.5% or Greater	1580	568
H	WV-061-004649-001	Barbara Jo Wilkison	Northeast Natural Energy LLC	12.5% or Greater	1599	222
H	WV-061-004120-018	Judy Ann Pethtel	Northeast Natural Energy LLC	12.5% or Greater	1584	787
H	WV-061-004120-019	Betty Lou Fluharty	Northeast Natural Energy LLC	12.5% or Greater	1584	789
H	WV-061-004120-016	Janice Sue Fluharty	Northeast Natural Energy LLC	12.5% or Greater	1584	797
H	WV-061-004120-015	Richard Allen Tennant	Northeast Natural Energy LLC	12.5% or Greater	1584	782
I	WV-061-005588-001	Timothy Alan Darrah	Northeast Natural Energy LLC	12.5% or Greater	1680	642
J	WV-061-001906-020	Fielding H. Yost III	Northeast Natural Energy LLC	12.5% or Greater	1628	365
J	WV-061-001906-017	Kenneth D. Cameron	Northeast Natural Energy LLC	12.5% or Greater	1623	513
J	WV-061-001906-032	Shirley Jean Tennant Simpson	Northeast Natural Energy LLC	12.5% or Greater	1657	290
J	WV-061-001906-018	Carolyn Gray	Northeast Natural Energy LLC	12.5% or Greater	1622	612
J	WV-061-001906-024	Leah Darlene Earle	Northeast Natural Energy LLC	12.5% or Greater	1628	197
J	WV-061-001906-030	Ann D. Nice	Northeast Natural Energy LLC	12.5% or Greater	1640	487
J	WV-061-001906-021	Mary M. Gump	Northeast Natural Energy LLC	12.5% or Greater	1628	680
J	WV-061-001906-033	Velma Meta Gross	Northeast Natural Energy LLC	12.5% or Greater	1675	173
J	WV-061-001906-017	Edwin D. Michael	Northeast Natural Energy LLC	12.5% or Greater	16231379	11370
J	WV-061-001906-022	Nancy L. Gump	Northeast Natural Energy LLC	12.5% or Greater	16281380	368374
J	WV-061-001906-026	Janice G. Rawe	Northeast Natural Energy LLC	12.5% or Greater	1630	189
J	WV-061-001906-025	Mary Sue Beckley	Northeast Natural Energy LLC	12.5% or Greater	1628	199
J	WV-061-001906-002	Wilma Lee Walker	Northeast Natural Energy LLC	12.5% or Greater	1380	404
J	WV-061-001906-008	Eileen DiBenedetto	Northeast Natural Energy LLC	12.5% or Greater	1382	707
J	WV-061-001901-013	Nancy Lawler	Northeast Natural Energy LLC	12.5% or Greater	1567	442
J	WV-061-001901-014	Ruth Ann Burns	Northeast Natural Energy LLC	12.5% or Greater	1567	440
J	WV-061-001906-023	Commissariat of The Holy Land	Northeast Natural Energy LLC	12.5% or Greater	1628	213
J	WV-061-004357-010	The Burns Family General Partnership	Northeast Natural Energy LLC	12.5% or Greater	1589	286
J	WV-061-004357-015	Susan K. Skinner	Northeast Natural Energy LLC	12.5% or Greater	1607	758

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Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
J	WV-061-004357-014	Linda L. Bellile Banks	Northeast Natural Energy LLC	12.5% or Greater	1607	586
J	WV-061-004357-012	Pamela Harris	Northeast Natural Energy LLC	12.5% or Greater	1607	77
J	WV-061-004357-013	Teena Cooke	Northeast Natural Energy LLC	12.5% or Greater	1607	79
J	WV-061-004357-005	Kathleen Atha	Northeast Natural Energy LLC	12.5% or Greater	1579	246
J	WV-061-004357-008	Kerry M. Atha	Northeast Natural Energy LLC	12.5% or Greater	1580	609
J	WV-061-004357-007	Kristina Hellyer Dow	Northeast Natural Energy LLC	12.5% or Greater	1580	606
J	WV-061-004357-006	The Robert and Lu Atha Trust	Northeast Natural Energy LLC	12.5% or Greater	1580	443
J	WV-061-004357-004	Rafferty Atha Jackson	Northeast Natural Energy LLC	12.5% or Greater	1578	514
J	WV-061-004357-003	Rebel Clair	Northeast Natural Energy LLC	12.5% or Greater	1576	563
J	WV-061-004357-001	Thomas M. Atha	Northeast Natural Energy LLC	12.5% or Greater	1576	470
J	WV-061-004357-009	Dawn Michelle Fry	Northeast Natural Energy LLC	12.5% or Greater	1581	341
J	WV-061-004357-002	William Atha Jr.	Northeast Natural Energy LLC	12.5% or Greater	1576	472
K	WV-061-004956-011	Ellen Pearl Bolyard	Northeast Natural Energy LLC	12.5% or Greater	1623	415
K	WV-061-004973-001	Edith Louise Darrah	Northeast Natural Energy LLC	12.5% or Greater	1623	432
K	WV-061-004956-018	Douglas L. Darrah	Northeast Natural Energy LLC	12.5% or Greater	1627	377
K	WV-061-004956-013	Madeline Doris Darrah	Northeast Natural Energy LLC	12.5% or Greater	1623	420
K	WV-061-004956-012	Randy G. Darrah	Northeast Natural Energy LLC	12.5% or Greater	1623	417
K	WV-061-004956-009	Sarah E. Darrah Patricia Ann Jones and David L. Jones	Northeast Natural Energy LLC	12.5% or Greater	1623	411
K	WV-061-004956-020	Timothy Allen Darrah	Northeast Natural Energy LLC	12.5% or Greater	1627	381
K	WV-061-004956-010	Norman Earl Eddy	Northeast Natural Energy LLC	12.5% or Greater	1623	413
K	WV-061-004956-019	Thomas LeRoy Eddy	Northeast Natural Energy LLC	12.5% or Greater	1627	379
K	WV-061-004956-002	Charles B. Gregory	Northeast Natural Energy LLC	12.5% or Greater	1623	393
K	WV-061-004956-014	Mark D. Gregory	Northeast Natural Energy LLC	12.5% or Greater	1623	422
K	WV-061-004956-005	Norma Kay Gregory	Northeast Natural Energy LLC	12.5% or Greater	1623	399
K	WV-061-004956-004	Wilbur G. Gregory	Northeast Natural Energy LLC	12.5% or Greater	1623	397
K	WV-061-004956-006	Mabel G. Meyers	Northeast Natural Energy LLC	12.5% or Greater	1607	450
K	WV-061-004956-001	Susan Stephens	Northeast Natural Energy LLC	12.5% or Greater	1623	391
K	WV-061-004956-003	Scott Kahoon	Northeast Natural Energy LLC	12.5% or Greater	1623	395
K	WV-061-004973-005	Carl Kahoon	Northeast Natural Energy LLC	12.5% or Greater	1685	30
K	WV-061-004973-002	Carey Kahoon Maynard	Northeast Natural Energy LLC	12.5% or Greater	1680	593
K	WV-061-004973-003	Erica Kahoon Ledford	Northeast Natural Energy LLC	12.5% or Greater	1683	649
K	WV-061-004973-004	Lisa Kahoon Vine	Northeast Natural Energy LLC	12.5% or Greater	1683	263
K	WV-061-004956-017	Howard Keith Williams	Northeast Natural Energy LLC	12.5% or Greater	1623	428
K	WV-061-004956-016	Roger Franklin Williams	Northeast Natural Energy LLC	12.5% or Greater	1623	426
K	WV-061-004956-015	George Lloyd Cheripko	Northeast Natural Energy LLC	12.5% or Greater	1623	424
K	WV-061-004956-008	Karen Noreen Harris	Northeast Natural Energy LLC	12.5% or Greater	1623	409
L	WV-061-004956-011	Ellen Pearl Bolyard	Northeast Natural Energy LLC	12.5% or Greater	1623	415
L	WV-061-004973-001	Edith Louise Darrah	Northeast Natural Energy LLC	12.5% or Greater	1623	432
L	WV-061-004956-018	Douglas L. Darrah	Northeast Natural Energy LLC	12.5% or Greater	1627	377
L	WV-061-004956-013	Madeline Doris Darrah	Northeast Natural Energy LLC	12.5% or Greater	1623	420
L	WV-061-004956-012	Randy G. Darrah	Northeast Natural Energy LLC	12.5% or Greater	1623	417
L	WV-061-004956-009	Sarah E. Darrah Patricia Ann Jones and David L. Jones	Northeast Natural Energy LLC	12.5% or Greater	1623	411

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Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
L	WV-061-004956-020	Timothy Allen Darrah	Northeast Natural Energy LLC	12.5% or Greater	1627	381
L	WV-061-004956-010	Norman Earl Eddy	Northeast Natural Energy LLC	12.5% or Greater	1623	413
L	WV-061-004956-019	Thomas LeRoy Eddy	Northeast Natural Energy LLC	12.5% or Greater	1627	379
L	WV-061-004956-002	Charles B. Gregory	Northeast Natural Energy LLC	12.5% or Greater	1623	393
L	WV-061-004956-014	Mark D. Gregory	Northeast Natural Energy LLC	12.5% or Greater	1623	422
L	WV-061-004956-005	Norma Kay Gregory	Northeast Natural Energy LLC	12.5% or Greater	1623	399
L	WV-061-004956-004	Wilbur G. Gregory	Northeast Natural Energy LLC	12.5% or Greater	1623	397
L	WV-061-004956-006	Mabel G. Meyers	Northeast Natural Energy LLC	12.5% or Greater	1607	450
L	WV-061-004956-001	Susan Stephens	Northeast Natural Energy LLC	12.5% or Greater	1623	391
L	WV-061-004956-003	Scott Kahoon	Northeast Natural Energy LLC	12.5% or Greater	1623	395
L	WV-061-004973-005	Carl Kahoon	Northeast Natural Energy LLC	12.5% or Greater	1685	30
L	WV-061-004973-002	Carey Kahoon Maynard	Northeast Natural Energy LLC	12.5% or Greater	1680	593
L	WV-061-004973-003	Erica Kahoon Ledford	Northeast Natural Energy LLC	12.5% or Greater	1683	649
L	WV-061-004973-004	Lisa Kahoon Vine	Northeast Natural Energy LLC	12.5% or Greater	1683	263
L	WV-061-004956-017	Howard Keith Williams	Northeast Natural Energy LLC	12.5% or Greater	1623	428
L	WV-061-004956-016	Roger Franklin Williams	Northeast Natural Energy LLC	12.5% or Greater	1623	426
L	WV-061-004956-015	George Lloyd Cheripko	Northeast Natural Energy LLC	12.5% or Greater	1623	424
L	WV-061-004956-008	Karen Noreen Harris	Northeast Natural Energy LLC	12.5% or Greater	1623	409
M	WV-061-005699-002	Collingwood Appalachian Minerals I, LLC	Northeast Natural Energy, LLC	12.5% or Greater	1743	472
M	WV-061-005699-003	Collingwood Appalachian Minerals III, LLC.	Northeast Natural Energy, LLC	12.5% or Greater	1743	474
N	WV-061-005699-002	Collingwood Appalachian Minerals I, LLC	Northeast Natural Energy, LLC	12.5% or Greater	1721	78
N	WV-061-005699-003	Collingwood Appalachian Minerals III, LLC.	Northeast Natural Energy, LLC	12.5% or Greater	1743	474
O	WV-061-000146-001-LOI	Brookever et al	South Penn Oil Company	12.5% or Greater	See Leasehold Chain	
P	WV-061-000146-001-LOI	P.B. Amos Lease	South Penn Oil Company	12.5% or Greater	See Leasehold Chain	
Q	WV-061-000146-001-LOI	David Jones	T.M. Jackson & Co.	12.5% or Greater	See Leasehold Chain	
R	WV-049-005267-001	Patsy Paul Cipoletti, Jr.	Northeast Natural Energy LLC	12.5% or Greater	1231	520
R	WV-049-005267-001	WV Minerals, Inc.	Northeast Natural Energy LLC	12.5% or Greater	1066	943
S	WV-061-000146-001-LOI	James Russell Moore	EQT Production Corp	12.5% or Greater	1126	321
		EQT Production Corp	Northeast Natural Energy, LLC	12.5% or Greater	1289	340
T	WV-061-000146-001-LOI	Turner Family Trust	Waco Oil & Gas Co., Inc. and Mike Ross, Inc.	12.5% or Greater	See Leasehold Chain	

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<b>Grantor, Lessor, etc.</b>	<b>Grantee, Lessee, etc.</b>	<b>Book Type</b>	<b>Book</b>	<b>Page</b>
Brookever et al	South Penn Oil Company	Deed	120	93
South Penn Oil Company	Pennzoil Company	Certificate Book	50	573
Pennzoil Company	Pennzoil Products Company	Assignment	874	1169
Pennzoil Products Company	Pennzoil Exploration and Production Company	Deed	949	854
Pennzoil Exploration and Production Company	Pennzenergy Exploration and Production, LLC	Certificate on Incorporation	52	517
Pennzenergy Exploration and Production, LLC	Devon Energy Production, LP	Certificate on Incorporation	53	317
Devon Energy Production, LP	East Resources, Inc.	Deed	965	371
East Resources, Inc.	HG Energy, LLC	Assignment	40	825
East Resources, Inc. & HG Energy, LLC	Amercian Energy - Marcellus, LLC	Assignment	47	692
Amercian Energy - Marcellus, LLC	Ascent Resources - Marcellus, LLC	Certificate on Merger, Marion Co, WV	67	847
Ascent Resources - Marcellus, LLC	EQT Production Company	Assignment	52	99
EQT Production Company	Northeast Natural Energy, LLC	Deed	1289	340

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<b>Grantor, Lessor, etc.</b>	<b>Grantee, Lessee, etc.</b>	<b>Book Type</b>	<b>Book</b>	<b>Page</b>
P. B Amos	South Penn Oil Company	Deed	51	107
South Penn Oil Company	South Penn Natural Gas	Deed	353	201
South Penn Natural Gas	South Penn Oil Company	Deed	616	343
South Penn Oil Company	Pennzoil Company	Certificate Book	50	573
Pennzoil Company	Pennzoil Products Company	Assignment	874	1169
Pennzoil Products Company	Pennzoil Exploration and Production Company	Deed	949	854
Pennzoil Exploration and Production Company	Pennzenergy Exploration and Production, LLC	Certificate on Incorporation	52	517
Pennzenergy Exploration and Production, LLC	Devon Energy Production, LP	Certificate on Incorporation	53	317
Devon Energy Production, LP	East Resources, Inc.	Deed	965	371
East Resources, Inc.	HG Energy, LLC	Assignment	40	825
East Resources, Inc. & HG Energy, LLC	Amercian Energy - Marcellus, LLC	Assignment	47	692
Amercian Energy - Marcellus, LLC	Ascent Resources - Marcellus, LLC	Certificate on Merger, Marion Co, WV	67	847
Ascent Resources - Marcellus, LLC	EQT Production Company	Assignment	52	99
EQT Production Company	Northeast Natural Energy, LLC	Deed	1289	340

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<b>Grantor, Lessor, etc.</b>	<b>Grantee, Lessee, etc.</b>	<b>Book Type</b>	<b>Book</b>	<b>Page</b>
David Jones	Fleming Oil and Gas Co.	Deed	46.5	438
Fleming Oil and Gas Co.	South Penn Oil Co.	Deed	45.5	42
South Penn Oil Co.	South Penn Natural Gas Company	Assignment	353	201
South Penn Natural Gas Company	South Penn Oil Co.	Assignment	616	340
South Penn Oil Company	Pennzoil Company	Certificate Book	50	573
Pennzoil Company	Pennzoil Products Company	Assignment	874	1169
Pennzoil Products Company	Pennzoil Exploration and Production Company	Deed	949	854
Pennzoil Exploration and Production Company	Pennzenergy Exploration and Production, LLC	Certificate on Incorporation	52	517
Pennzenergy Exploration and Production, LLC	Devon Energy Production, LP	Certificate on Incorporation	53	317
Devon Energy Production, LP	East Resources, Inc.	Deed	965	371
East Resources, Inc.	HG Energy, LLC	Assignment	40	825
East Resources, Inc. & HG Energy, LLC	Amercian Energy - Marcellus, LLC	Assignment	47	692
Amercian Energy - Marcellus, LLC	Ascent Resources - Marcellus, LLC	Certificate on Merger, Marion Co, WV	67	847
Ascent Resources - Marcellus, LLC	EQT Production Company	Assignment	52	99
EQT Production Company	Northeast Natural Energy, LLC	Deed	1289	340

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T

<b>Grantor, Lessor, etc.</b>	<b>Grantee, Lessee, etc.</b>	<b>Book Type</b>	<b>Book</b>	<b>Page</b>
Turner Family Trust	Waco Oil & Gas Co., Inc. and Mike Ross, Inc.	Deed	1010	898
Waco Oil & Gas Co., Inc. and Mike Ross, Inc.	XTO Energy, Inc.	Assignment	42	37
XTO Energy, Inc.	EQT Production Copmany	Assignment	49	818
EQT Production Company	Northeast Natural Energy, LLC	Deed	1289	340

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Stansberry, Wade A &lt;wade.a.stansberry@wv.gov&gt;

**Modification Horizontal H6A Well Work Permit (API: 47-061-01874, 01875, 01876)**

1 message

**Stansberry, Wade A** <wade.a.stansberry@wv.gov>

Mon, Oct 4, 2021 at 9:58 AM

To: "Harris, Bryan O" &lt;bryan.o.harris@wv.gov&gt;, Kristen Brooks &lt;kbrooks@nne-llc.com&gt;, Hollie Medley &lt;hmedley@nne-llc.com&gt;, Mark Musick &lt;mmusick@assessor.org&gt;

I have attached a copy of the newly issued well [permit](#) number "PHOENIX 2H, 4H, 8H". This will serve as your copy.

If you have any questions, then [please](#) contact us here at the Office of Oil and Gas.

Thank you,

**Wade A. Stansberry**

**Environmental Resource Specialist 3**

**West Virginia Department of Environmental Protection**

**Office of Oil & Gas**

**601 57th St. SE**


**Charleston, WV 25304**


**(304) 926-0499 ext. 41115**


**(304) 926-0452 fax**

**[Wade.A.Stansberry@wv.gov](mailto:Wade.A.Stansberry@wv.gov)**

**3 attachments**

 **47-061-01876 - mod.pdf**  
2528K

 **47-061-01874 - mod.pdf**  
3128K

 **47-061-01875 - mod.pdf**  
2778K

**10/08/2021**