



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

Wednesday, May 12, 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 BUNNER 2H
47-061-01868-00-00

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: BUNNER 2H
Farm Name: PATRICIA A. BUNNER
U.S. WELL NUMBER: 47-061-01868-00-00
Horizontal 6A New Drill
Date Modification Issued: 5/12/2021

Promoting a healthy environment.

05/14/2021

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

1) Well Operator: Northeast Natural Energy 494498281 Monongalia Clay Blacksville, WV
Operator ID County District Quadrangle

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

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

4) Elevation, current ground: 1328' Elevation, proposed post-construction: 1308'

5) Well Type (a) Gas Oil _____ Underground Storage _____
Other _____
(b) If Gas Shallow Deep _____
Horizontal

6) Existing Pad: Yes or No No

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

8) Proposed Total Vertical Depth: 8,027'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 24,270'

11) Proposed Horizontal Leg Length: 15,676'

12) Approximate Fresh Water Strata Depths: 150', 1100' (GL)

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

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

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

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

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

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

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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	94.7	100'	100'	113/GTS
Fresh Water	13-3/8	New	J-55	54.5	1230'	1200'	961/CTS
Coal							
Intermediate	9-5/8	New	J-55	36	2530'	2500'	864/CTS
Production	5-1/2	New	P-110	20	24,270'	24,240'	5,809
Tubing	2-7/8	New	P-110	6.5	NA	8000	NA
Liners							

Bryan Harris
4-15-21

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	28	0.375	NA	NA	Type 1	1.18
Fresh Water	13-3/8	17-1/2	0.380	2730	500	Class A	1.19
Coal							
Intermediate	9-5/8	12-3/8	0.395	3520	2800	Class A	1.19
Production	5-1/2	8-3/4 & 8-1/2	0.361	14,360	11,500 (frac)	50:50 POZ	1.07
Tubing	2-7/8	NA	0.217	13,870	NA	NA	NA
Liners							

PACKERS

Kind:	NA			
Sizes:				
Depths Set:				

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Page 2 of 3

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

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

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

A cement bond log will determine the top of production casing cement. The production casing will be pressure tested. The hydraulic fracturing equipment will then open the toe sleeves and begin pumping the first stage. The plug-and-perf method will be used for the remaining stages. The max anticipated pressure during frac is 11,500psi and a max rate of 90bpm. After frac, the drillout rig will drill all plugs out of the well. Land production tubing at desired depth. Then flowback well until ready to turn in line to production facilities.

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 16.36

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

23) Describe centralizer placement for each casing string:

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

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

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

25) Proposed borehole conditioning procedures:

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

*Note: Attach additional sheets as needed.

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NORTHEAST NATURAL ENERGY, LLC

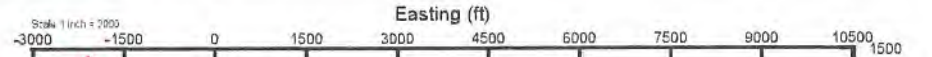
Location: Monongalia County, WV
Field: Monongalia
Facility: Bunner Pad

Slot: Slot 2H
Well: Bunner 2H
Wellbore: Bunner 2H PWB



Plot reference wellpath is Bunner 2H PWB Ex-02 (4.6.21)	Grid System: NAD83 / Lambert West Virginia SP, Northern Zone (4101), US feet
This vertical depth is referenced to Patterson 217 (RRB)	North reference: Grid north
Reference wellbore measured depths are referenced to Patterson 217 (RRB)	Scale: True distance
Patterson 217 (RRB) to Mean Sea Level: 1300 feet	Coordinates are in feet referenced to Slot
Mean Sea Level to Ground level (At Slot: Slot 2H): +1217 feet	Depths are in feet
Plot wellbore VDs are referenced to each well's default MD datum	Created by: hiltibos on 2011-04-06; Database: VA_MFL_EASTERIUS_De1

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

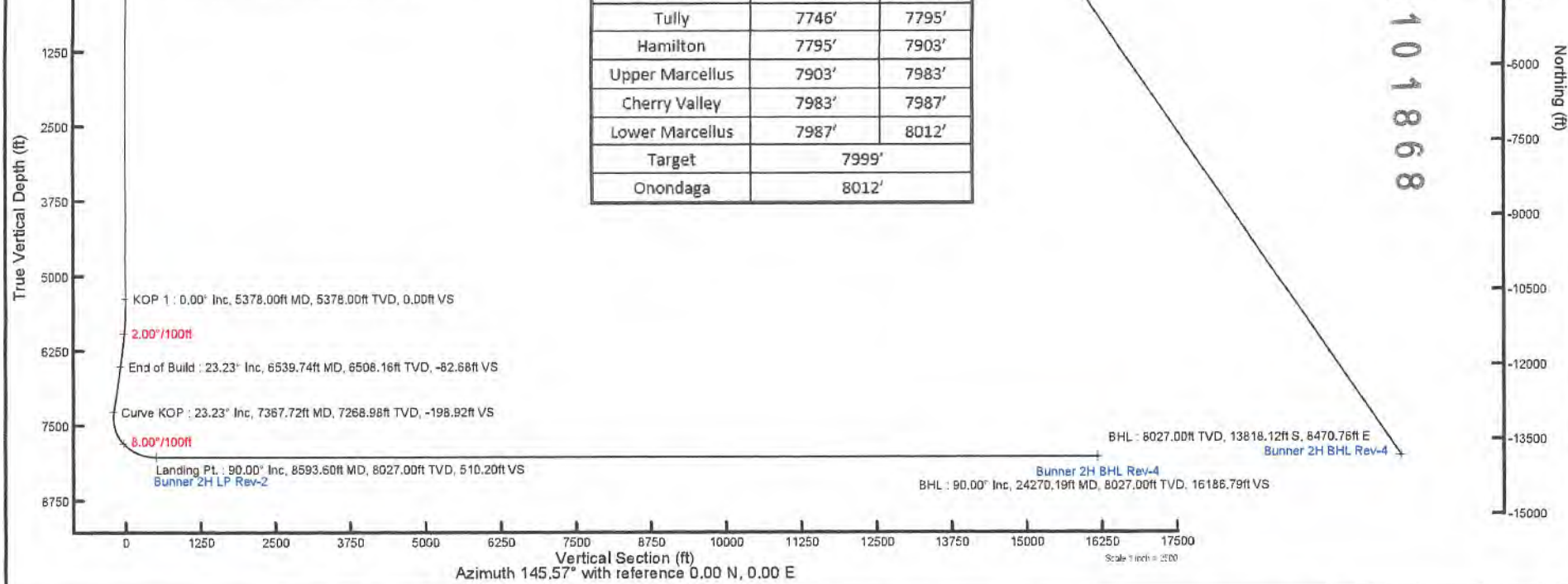
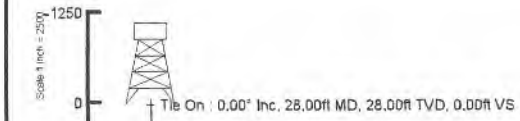


Tie On : 28.00ft TVD, 0.00ft N, 0.00ft E
KOP 1 : 5378.00ft TVD, 0.00ft N, 0.00ft E
End of Build : 6508.16ft TVD, 54.57ft S, 225.85ft W
Curve KOP : 7268.98ft TVD, 131.29ft S, 543.35ft W

Slot 2H
Landing Pt. : 8027.00ft TVD, 888.12ft S, 393.24ft W
Bunner 2H LP Rev-2

4706101868

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



Bunner 2H Area of Review

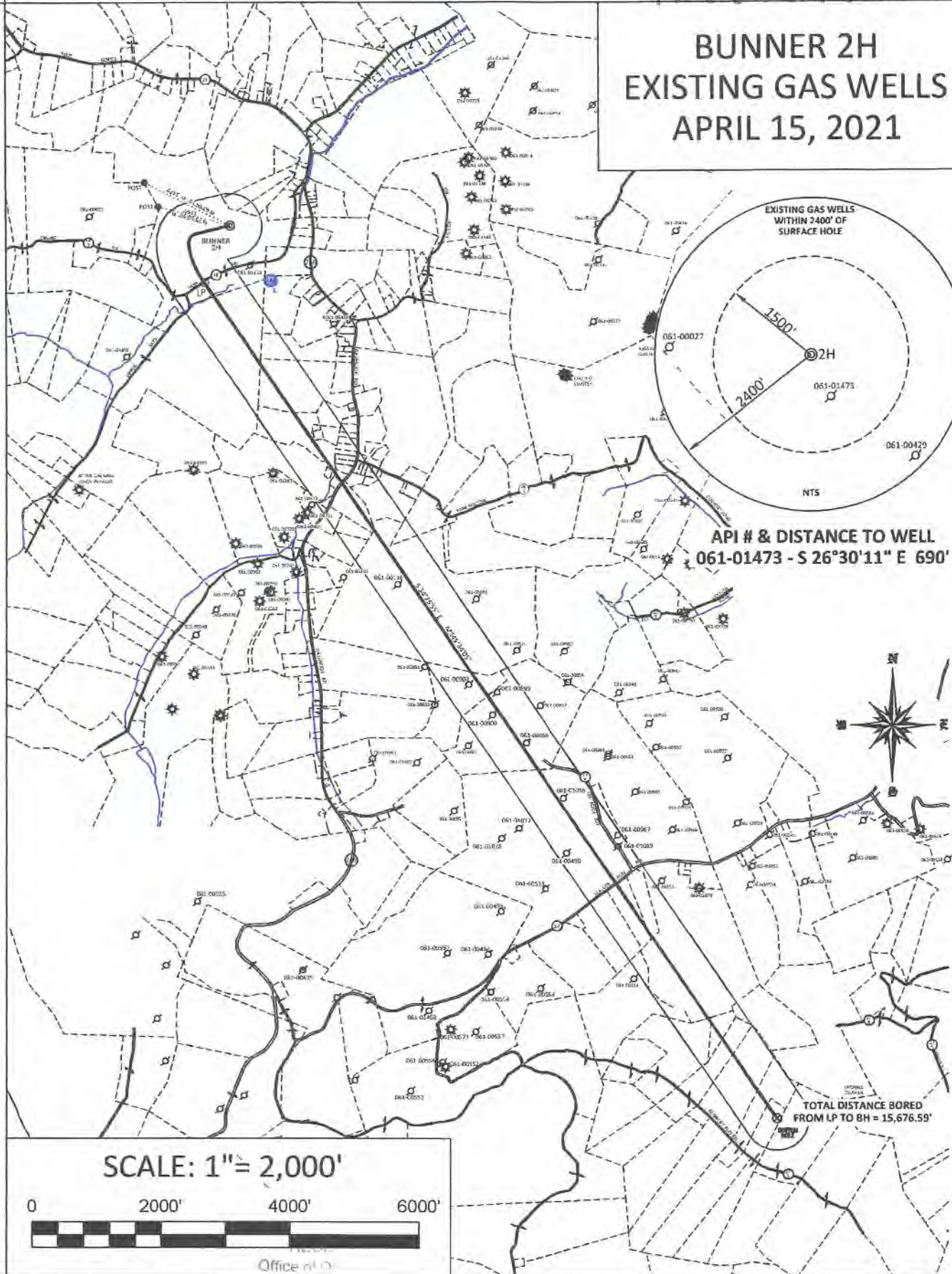
API Number	Well Name	Well Number	Operator	Latitude (NAD 27)	Longitude (NAD 27)	TMP	TVD	Producing Formation
47-061-00116	Eugenus Moore	2	Philadelphia Oil Co.	39.647316	-80.208317	4-17-53	3419	Plugged 5/27/2005
47-061-00902	H W & M L Hamilton	NA	Consolidation Coal	39.643111	-80.204349	4-20-11.1	NA	Plugged 2/10/1989
47-061-00899	H W & M L Hamilton	NA	Consolidation Coal	39.642966	-80.202849	4-20-11	NA	Plugged 5/26/1989
47-061-00900	H W & M L Hamilton	NA	Consolidation Coal	39.641806	-80.203036	4-20-11	NA	Plugged 7/17/1989
47-061-00896	H W & M L Hamilton	NA	Consolidation Coal	39.640646	-80.201160	4-20-11	NA	Plugged 3/22/1991
47-061-01016	J J & S J Moore	NA	Consolidation Coal	39.638326	-80.199096	4-20-25.1	NA	Plugged 5/22/1991
47-061-00490	Eddy & Tennant	1	Pennzoil Company	39.636006	-80.198907	4-20-25.1	2064	Plugged 2/7/2004
47-061-00967	NA	NA	NA	NA	NA	4-20-58.8	NA	Plugged 5/30/1991
47-061-01019	Bonita Toothman	NA	Consolidation Coal	39.636296	-80.196094	4-20-58.5	NA	Plugged 5/30/1991

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BUNNER 2H EXISTING GAS WELLS APRIL 15, 2021



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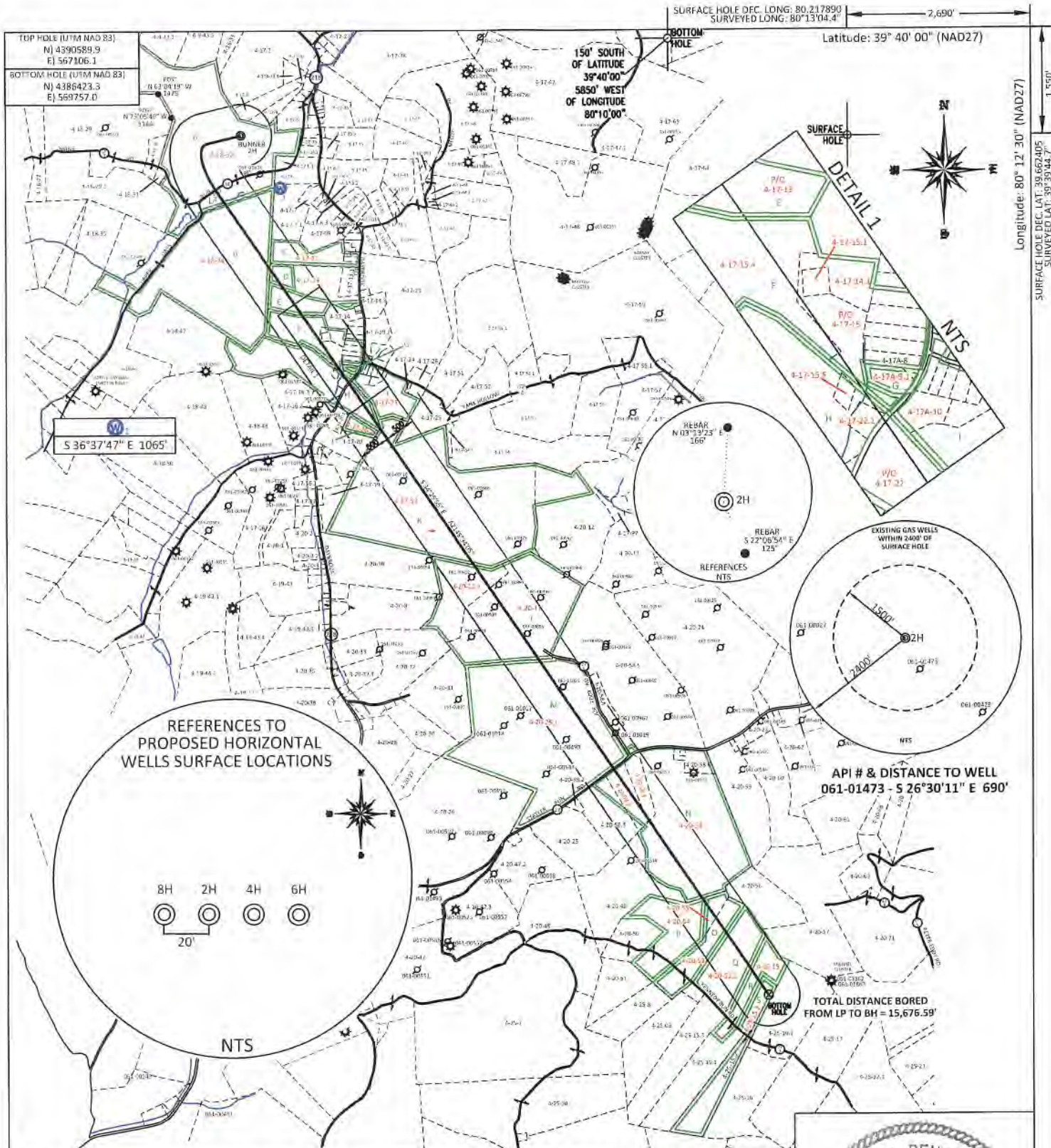
WELL NAME: BUNNER 2H
BLACKSVILLE, WV



05/14/2021
TOTAL DISTANCE BORED
FROM LP TO BH = 15,676.59'

GRAPHIC SCALE

C L A Y



FILE #: NEE14

DRAWING #: 2948

SCALE: PLAT: 1" = 2200'
TICK MARK: 1" = 2000'

MINIMUM DEGREE OF ACCURACY: 1/200

PROVEN SOURCE SUBMETER MAPPING OF ELEVATION: GRADE GPS

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

Signed:

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



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

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

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

WATERSHED: DUNKARD CREEK

COUNTY/DISTRICT: MONONGALIA / CLAY

SURFACE OWNER: PATRICIA A. BUNNER

OIL & GAS ROYALTY OWNER: PATRICIA BUNNER, et al

LEASE NUMBERS: _____

DATE: APRIL 15, 2021

OPERATOR'S WELL #: BUNNER 2H

API WELL #: 47 61 01868 MOD

STATE COUNTY PERMIT

CURRENT PROPOSED
ELEVATION: 1,328' ELEVATION: 1,308'

QUADRANGLE: BLACKSVILLE, WV

ACREAGE: 94.72 +/-

ACREAGE: 758.708 +/-

DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE

PLUG OFF FORMATION PERFORATE NEW FORMATION PLUG & ABANDON

CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY): _____

TARGET FORMATION: MARCELLUS

ESTIMATED DEPTH: TVD: 8,027' TMD: 24,270.19'

WELL OPERATOR: NORTHEAST NATURAL ENERGY LLC

DESIGNATED AGENT: JOHN ADAMS

ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200

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CITY: CHARLESTON STATE: WV ZIP CODE: 25301

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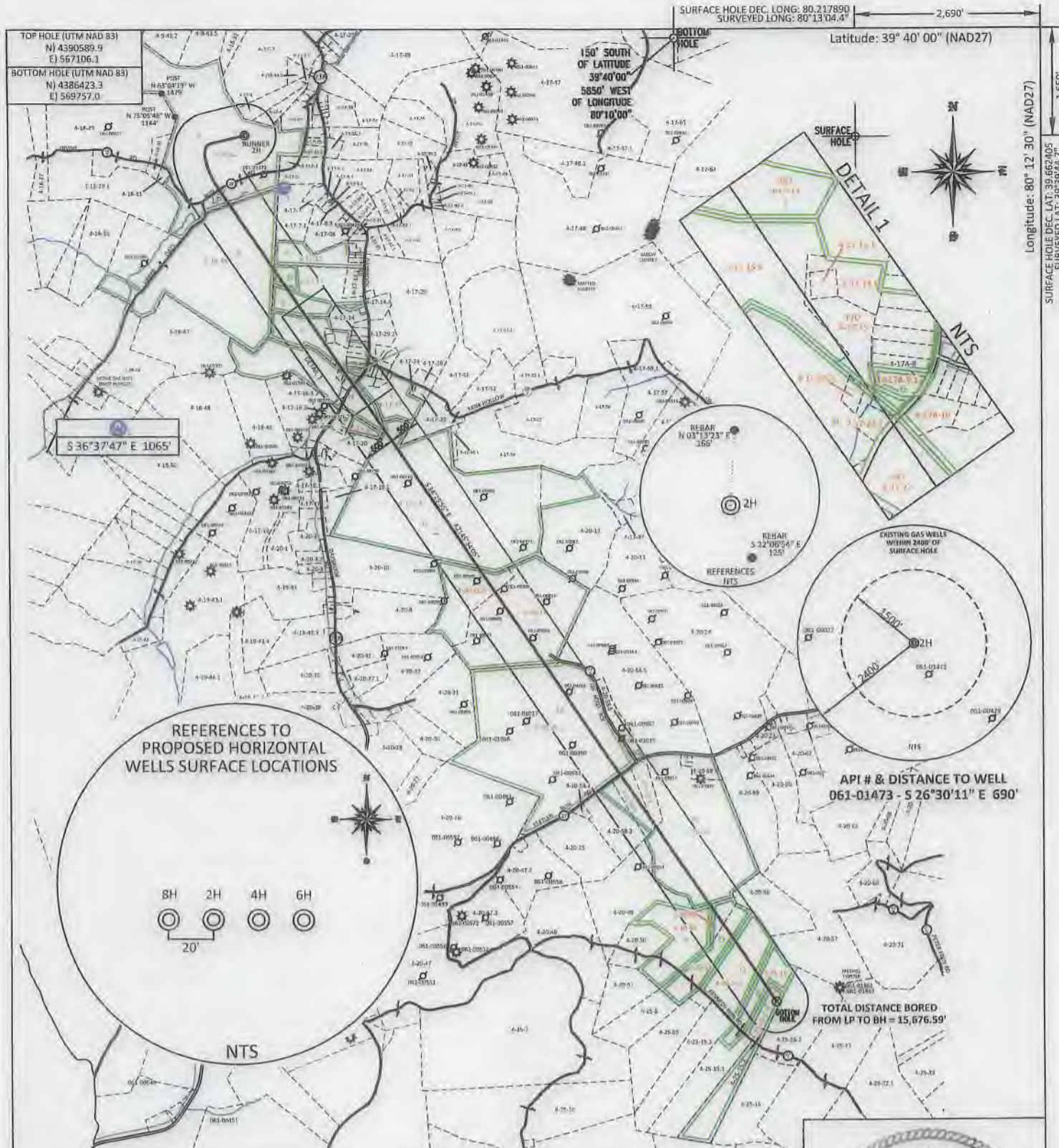
05/14/2021

PROPERTY OWNER INDEX	
4-18-32	PATRICIA A. BUNNER
4-18-34	GORDON PROPERTIES LLC
4-17-12	FREDDIE W. EDDY II & SALLY L. EDDY
4-17-13	HARRY D. HAMILTON (LIFE - FRANCES H. HAMILTON)
4-17-15.4	DANIEL S. & KIMBERLY S. BRUMMAGE
4-17-15.1	ADAM WILLIAMS TRUST
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LEASE INDEX			
A	WV-061-004154-001	K	WV-061-003539-003
B	WV-061-000683-120	L	WV-061-001052-002
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D	WV-061-003298-001	N	WV-061-005416-001
E	WV-061-005270-037	O	WV-061-005551-002
F	WV-061-003325-011	P	WV-061-004555-004
G	WV-061-003325-011	Q	WV-061-004235-008
H	WV-061-003325-011	R	WV-061-004235-008
I	WV-061-005195-002	S	WV-061-004504-001
J	WV-061-003261-001		

05/14/2021

FILE #: <u>NEE14</u>	DATE: <u>APRIL 15, 2021</u>
DRAWING #: <u>2948</u>	OPERATOR'S WELL #: <u>BUNNER 2H</u>
SCALE: <u>N/A</u>	API WELL #: <u>47</u> <u>61</u> <u>01868 MOD</u> STATE COUNTY PERMIT



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F	WV-061-003325-011	P	WV-061-004555-004
G	WV-061-003325-011	Q	WV-061-004235-008
H	WV-061-003325-011	R	WV-061-004235-008
I	WV-061-005195-002	S	WV-061-004504-001
J	WV-061-003261-001		

05/14/2021

FILE #: <u>NEE14</u>	DATE: <u>APRIL 15, 2021</u>
DRAWING #: <u>2948</u>	OPERATOR'S WELL #: <u>BUNNER 2H</u>
SCALE: <u>N/A</u>	API WELL #: <u>47</u> <u>61</u> <u>01268 M&D</u> STATE COUNTY PERMIT

WW-6A1
(5/13)

Operator's Well No. Bunner 2H

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

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

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

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

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Office of Oil and Gas

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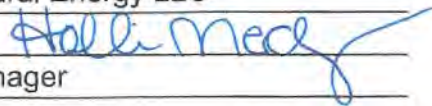
WV Department of
Environmental Protection

**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 
 Its: Regulatory Manager

Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
A	WV-061-004154-001	Patricia Bunner	Northeast Natural Energy, LLC	12.5% or Greater	1563	435
B	WV-061-000683-120	Alan Bowling	Northeast Natural Energy, LLC	12.5% or Greater	1509	709
B	WV-061-000683-067	Alison N. Paulson	Northeast Natural Energy, LLC	12.5% or Greater	1505	399
B	WV-061-000683-071	Allen B. Taylor	Northeast Natural Energy, LLC	12.5% or Greater	1505	265
B	WV-061-000683-063	Barbara Huber	Northeast Natural Energy, LLC	12.5% or Greater	1500	583
B	WV-061-000683-075	Bernice Pratt	Northeast Natural Energy, LLC	12.5% or Greater	1503	120
B	WV-061-000683-035	Betty Fultz	Northeast Natural Energy, LLC	12.5% or Greater	1485	370
B	WV-061-000683-114	Beulah Royston	Northeast Natural Energy, LLC	12.5% or Greater	1507	575
B	WV-061-000683-101	Beverly A. Houchin	Northeast Natural Energy, LLC	12.5% or Greater	1506	95
B	WV-061-000683-039	Burl H. Henry	Northeast Natural Energy, LLC	12.5% or Greater	1485	380
B	WV-061-000683-116	Byron Jones	Northeast Natural Energy, LLC	12.5% or Greater	1506	695
B	WV-061-000683-057	Carl E. Swartz	Northeast Natural Energy, LLC	12.5% or Greater	1498	197
B	WV-061-000683-092	Carol A. Luckey	Northeast Natural Energy, LLC	12.5% or Greater	1505	462
B	WV-061-000683-132	Carol Gardner	Northeast Natural Energy, LLC	12.5% or Greater	1516	631
B	WV-061-000683-112	Carol Jean Hunnell	Northeast Natural Energy, LLC	12.5% or Greater	1509	554
B	WV-061-000683-136	Cathy J. Adkins	Northeast Natural Energy, LLC	12.5% or Greater	1521	680
B	WV-061-000683-082	Cindy Zace	Northeast Natural Energy, LLC	12.5% or Greater	1503	554
B	WV-061-000683-015	Connie Geissinger	Northeast Natural Energy, LLC	12.5% or Greater	1484	230
B	WV-061-000683-125	Crystal Christensen	Northeast Natural Energy, LLC	12.5% or Greater	1532	551
B	WV-061-000683-093	Cynthia A. Sharp	Northeast Natural Energy, LLC	12.5% or Greater	1505	519
B	WV-061-000683-130	Cynthia Chambers	Northeast Natural Energy, LLC	12.5% or Greater	1516	629
B	WV-061-000683-018	D. Ray Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1484	247
B	WV-061-000683-020	Daniel T. Sims	Northeast Natural Energy, LLC	12.5% or Greater	1484	261
B	WV-061-000683-102	Darrell R. Collins	Northeast Natural Energy, LLC	12.5% or Greater	1505	505
B	WV-061-000683-055	David Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1492	562
B	WV-061-000683-030	David Watkins	Northeast Natural Energy, LLC	12.5% or Greater	1484	566
B	WV-061-000683-008	Don Jones	Northeast Natural Energy, LLC	12.5% or Greater	1506	697
B	WV-061-000683-074	Donald K. Miller	Northeast Natural Energy, LLC	12.5% or Greater	1503	534
B	WV-061-000683-056	Donald L. Shane	Northeast Natural Energy, LLC	12.5% or Greater	1492	544
B	WV-061-000683-126	Donna C. Weselius	Northeast Natural Energy, LLC	12.5% or Greater	1510	17
B	WV-061-000683-121	Donna Gail Bowling	Northeast Natural Energy, LLC	12.5% or Greater	1509	707
B	WV-061-000683-040	Doris Mae Henry	Northeast Natural Energy, LLC	12.5% or Greater	1485	376
B	WV-061-000683-087	Dorothy Sine	Northeast Natural Energy, LLC	12.5% or Greater	1503	815
B	WV-061-000683-024	Douglas D. Watkins	Northeast Natural Energy, LLC	12.5% or Greater	1484	269
B	WV-061-000683-115	Earl Bowling	Northeast Natural Energy, LLC	12.5% or Greater	1527	648
B	WV-061-000683-129	Emma Tedrick	Northeast Natural Energy, LLC	12.5% or Greater	1513	643
B	WV-061-000683-046	Eva L. Ellis	Northeast Natural Energy, LLC	12.5% or Greater	1487	687
B	WV-061-000683-066	Goldene B. Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1502	618
B	WV-061-000683-109	Helen Gregg	Northeast Natural Energy, LLC	12.5% or Greater	1510	23
B	WV-061-000683-076	Helen Jeffers Lowry	Northeast Natural Energy, LLC	12.5% or Greater	1503	544
B	WV-061-000683-069	Jacquelyn M. Halbrook	Northeast Natural Energy, LLC	12.5% or Greater	1504	770
B	WV-061-000683-090	Jaimee C. Sharp	Northeast Natural Energy, LLC	12.5% or Greater	1503	862
B	WV-061-000683-131	James Chambers	Northeast Natural Energy, LLC	12.5% or Greater	1516	124
B	WV-061-000683-068	James Paulson	Northeast Natural Energy, LLC	12.5% or Greater	1505	402

4706101868

Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
B	WV-061-000683-119	James R. Sine	Northeast Natural Energy, LLC	12.5% or Greater	1507	253
B	WV-061-000683-051	James Ray Lambert	Northeast Natural Energy, LLC	12.5% or Greater	1490	857
B	WV-061-000683-019	Janet Coleman	Northeast Natural Energy, LLC	12.5% or Greater	1484	259
B	WV-061-000683-014	Janet S. Martin	Northeast Natural Energy, LLC	12.5% or Greater	1483	493
B	WV-061-000683-049	Jean-Claire Sims Bohm	Northeast Natural Energy, LLC	12.5% or Greater	1488	880
B	WV-061-000683-021	Jerry E. Sims	Northeast Natural Energy, LLC	12.5% or Greater	1484	263
B	WV-061-000683-100	Jo Ann Collins	Northeast Natural Energy, LLC	12.5% or Greater	1505	507
B	WV-061-000683-017	Jo Ann Watkins	Northeast Natural Energy, LLC	12.5% or Greater	1484	245
B	WV-061-000683-052	John Alan Lambert	Northeast Natural Energy, LLC	12.5% or Greater	1490	859
B	WV-061-000683-077	John Michael Paulson	Northeast Natural Energy, LLC	12.5% or Greater	1503	713
B	WV-061-000683-110	John R. Jones	Northeast Natural Energy, LLC	12.5% or Greater	1508	499
B	WV-061-000683-048	Joseph B. Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1488	898
B	WV-061-000683-031	Joyce Sell	Northeast Natural Energy, LLC	12.5% or Greater	1484	564
B	WV-061-000683-023	Judy I. Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1574	528
B	WV-061-000683-037	Keith Henry	Northeast Natural Energy, LLC	12.5% or Greater	1485	386
B	WV-061-000683-027	Kent S. Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1484	275
B	WV-061-000683-059	Kim David Fritz	Northeast Natural Energy, LLC	12.5% or Greater	1500	573
B	WV-061-000683-088	Larry G. Collins	Northeast Natural Energy, LLC	12.5% or Greater	1506	779
B	WV-061-000683-085	Larry M. Sine	Northeast Natural Energy, LLC	12.5% or Greater	1503	653
B	WV-061-000683-142	Laura Ann Rogers	Northeast Natural Energy, LLC	12.5% or Greater	1688	551
B	WV-061-000683-072	Leo K. Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1502	666
B	WV-061-000683-034	Leroy Sine	Northeast Natural Energy, LLC	12.5% or Greater	1486	567
B	WV-061-000683-043	Linda Lorraine Makin	Northeast Natural Energy, LLC	12.5% or Greater	1487	312
B	WV-061-000683-062	Lisa Cortes	Northeast Natural Energy, LLC	12.5% or Greater	1500	573
B	WV-061-005627-001	Lisa Emler	Northeast Natural Energy, LLC	12.5% or Greater	1692	225
B	WV-061-000683-084	Lori Kirby	Northeast Natural Energy, LLC	12.5% or Greater	1503	880
B	WV-061-000683-050	Lorita Marie Zastrow	Northeast Natural Energy, LLC	12.5% or Greater	1488	878
B	WV-061-000683-128	Louis Bowling	Northeast Natural Energy, LLC	12.5% or Greater	1513	645
B	WV-061-000683-007	Luana S. Alicandri	Northeast Natural Energy, LLC	12.5% or Greater	1453	219
B	WV-061-000683-032	Mack Watkins	Northeast Natural Energy, LLC	12.5% or Greater	1484	562
B	WV-061-000683-079	Marion Lavern Tennant Sr.	Northeast Natural Energy, LLC	12.5% or Greater	1503	548
B	WV-061-000683-123	Marjorie C. Robinette	Northeast Natural Energy, LLC	12.5% or Greater	1510	21
B	WV-061-000683-078	Mary Ann Sine	Northeast Natural Energy, LLC	12.5% or Greater	1503	205
B	WV-061-000683-094	Mary Anne Ketelsen	Northeast Natural Energy, LLC	12.5% or Greater	1505	145
B	WV-061-000683-127	Mary Brown	Northeast Natural Energy, LLC	12.5% or Greater	1510	633
B	WV-061-000683-111	Mary M. Field	Northeast Natural Energy, LLC	12.5% or Greater	1510	372
B	WV-061-000683-095	Mary S. Pirie	Northeast Natural Energy, LLC	12.5% or Greater	1505	523
B	WV-061-000683-122	Nancy Bovenizer	Northeast Natural Energy, LLC	12.5% or Greater	1507	251
B	WV-061-000683-107	Nellie Bichard	Northeast Natural Energy, LLC	12.5% or Greater	1509	705
B	WV-061-000683-033	Nellie G. Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1485	372
B	WV-061-000683-089	Pamela E. Sharp	Northeast Natural Energy, LLC	12.5% or Greater	1503	864
B	WV-061-000683-060	Patricia JoAnn Wagner	Northeast Natural Energy, LLC	12.5% or Greater	1500	458
B	WV-061-000683-098	Paul Marvin Collins	Northeast Natural Energy, LLC	12.5% or Greater	1505	491
B	WV-061-000683-104	Perry W. Miller Jr.	Northeast Natural Energy, LLC	12.5% or Greater	1505	161
B	WV-061-000683-103	Philip E. Miller	Northeast Natural Energy, LLC	12.5% or Greater	1504	760
B	WV-061-000683-025	Philip J. Sims	Northeast Natural Energy, LLC	12.5% or Greater	1484	271

4706101868

Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
B	WV-061-000683-070	Phillip D. Sine	Northeast Natural Energy, LLC	12.5% or Greater	1505	470
B	WV-061-000683-099	Robert Alan Sharp	Northeast Natural Energy, LLC	12.5% or Greater	1504	748
B	WV-061-000683-091	Robert Lee Collins	Northeast Natural Energy, LLC	12.5% or Greater	1507	269
B	WV-061-000683-041	Robert Lee Henry	Northeast Natural Energy, LLC	12.5% or Greater	1485	384
B	WV-061-000683-064	Robert M. Shane	Northeast Natural Energy, LLC	12.5% or Greater	1500	571
B	WV-061-000683-073	Robert Paulson	Northeast Natural Energy, LLC	12.5% or Greater	1502	668
B	WV-061-000683-038	Robert W. Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1485	382
B	WV-061-000683-106	Ronald Hadley	Northeast Natural Energy, LLC	12.5% or Greater	1505	175
B	WV-061-000683-097	Rosemary Gae Penhorwood	Northeast Natural Energy, LLC	12.5% or Greater	1532	418
B	WV-061-000683-028	Ruth Ellen Larry	Northeast Natural Energy, LLC	12.5% or Greater	1484	277
B	WV-061-000683-108	Ruth Holmes	Northeast Natural Energy, LLC	12.5% or Greater	1507	585
B	WV-061-000683-124	Sandra K. Krider	Northeast Natural Energy, LLC	12.5% or Greater	1511	771
B	WV-061-000683-047	Sharon K. Schuster	Northeast Natural Energy, LLC	12.5% or Greater	1487	691
B	WV-061-000683-080	Sherry L. Harrison	Northeast Natural Energy, LLC	12.5% or Greater	1505	373
B	WV-061-003618-001	Shuman	Northeast Natural Energy, LLC	12.5% or Greater	1539	411
B	WV-061-000683-029	Stephen A. Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1484	279
B	WV-061-000683-096	Steve B. Paulson	Northeast Natural Energy, LLC	12.5% or Greater	1511	550
B	WV-061-000683-042	Sue Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1487	308
B	WV-061-000683-081	Susan J. Sine	Northeast Natural Energy, LLC	12.5% or Greater	1503	649
B	WV-061-000683-105	Susan Ranae Lentz	Northeast Natural Energy, LLC	12.5% or Greater	1505	133
B	WV-061-000683-036	Teresa Leigh Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1485	368
B	WV-061-000683-135	Thomas A. Dawson	Northeast Natural Energy, LLC	12.5% or Greater	1516	771
B	WV-061-000683-026	Tommy D. Watkins	Northeast Natural Energy, LLC	12.5% or Greater	1484	273
B	WV-061-000683-117	Victoria Hammersley	Northeast Natural Energy, LLC	12.5% or Greater	1506	704
B	WV-061-000683-113	Wayne McElwee	Northeast Natural Energy, LLC	12.5% or Greater	1510	19
B	WV-061-000683-083	William E. Sharp	Northeast Natural Energy, LLC	12.5% or Greater	1505	367
B	WV-061-000683-053	Yuri Dmitri Popov	Northeast Natural Energy, LLC	12.5% or Greater	1492	435
C	WV-061-004249-001	Shuman, Inc.	Northeast Natural Energy, LLC	12.5% or Greater	1568	775
D	WV-061-003298-001	Stone Hill Minerals Holdings	Northeast Natural Energy, LLC	12.5% or Greater	1496	27
D	WV-061-005466-073	Benjamin A. Cumberledge	Northeast Natural Energy, LLC	12.5% or Greater	1683	651
D	WV-061-005466-068	Joy Ford	Northeast Natural Energy, LLC	12.5% or Greater	1658	686
D	WV-061-005466-071	Wanda L. Helmick	Northeast Natural Energy, LLC	12.5% or Greater	1662	727
D	WV-061-005466-070	Gregory G. Helmick	Northeast Natural Energy, LLC	12.5% or Greater	1662	725
D	WV-061-005466-064	Beverly Sue Matthews	Northeast Natural Energy, LLC	12.5% or Greater	1654	242
D	WV-061-005466-038	David F. Miracle	Northeast Natural Energy, LLC	12.5% or Greater	1652	195
D	WV-061-005466-015	Donna Jo Varner	Northeast Natural Energy, LLC	12.5% or Greater	1648	15
D	WV-061-005466-020	Jodie Dawn Shriver	Northeast Natural Energy, LLC	12.5% or Greater	1648	25
D	WV-061-005466-021	Pamela Sue Arnett	Northeast Natural Energy, LLC	12.5% or Greater	1647	849
D	WV-061-005466-035	Charles Michael Swisher	Northeast Natural Energy, LLC	12.5% or Greater	1652	189
D	WV-061-005466-033	Douglas Alan Swisher	Northeast Natural Energy, LLC	12.5% or Greater	1649	308
D	WV-061-005466-001	Bruce Edward Hall	Northeast Natural Energy, LLC	12.5% or Greater	1645	166
D	WV-061-005466-003	Robert Jay Hall	Northeast Natural Energy, LLC	12.5% or Greater	1645	170
D	WV-061-005466-037	Glenn Arden Ammons	Northeast Natural Energy, LLC	12.5% or Greater	1652	193
D	WV-061-005466-036	Patricia J. Ricketts	Northeast Natural Energy, LLC	12.5% or Greater	1652	191
D	WV-061-005466-029	Steven Floyd Ammons	Northeast Natural Energy, LLC	12.5% or Greater	1650	411
D	WV-061-005466-030	Gloria Jane Robinson	Northeast Natural Energy, LLC	12.5% or Greater	1650	413

4706101868

Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
D	WV-061-005466-051	Robert Franklin Ammons	Northeast Natural Energy, LLC	12.5% or Greater	1654	120
D	WV-061-005466-061	Ruby Aldene Miller	Northeast Natural Energy, LLC	12.5% or Greater	1654	136
D	WV-061-005466-052	Sharon Ammons	Northeast Natural Energy, LLC	12.5% or Greater	1654	122
D	WV-061-005466-066	Jacqueline Kay Gillen	Northeast Natural Energy, LLC	12.5% or Greater	1658	623
D	WV-061-005466-067	Jerry Lewis Gillen	Northeast Natural Energy, LLC	12.5% or Greater	1658	625
D	WV-061-005466-048	Lewis Byron Ammons	Northeast Natural Energy, LLC	12.5% or Greater	1653	195
D	WV-061-005466-053	Michael D. Haught	Northeast Natural Energy, LLC	12.5% or Greater	1654	124
D	WV-061-005466-062	Marlene Figley	Northeast Natural Energy, LLC	12.5% or Greater	1654	238
D	WV-061-005466-024	Marilyn Sue Chisler	Northeast Natural Energy, LLC	12.5% or Greater	1648	1
D	WV-061-005466-054	Francis R. Haught	Northeast Natural Energy, LLC	12.5% or Greater	1654	126
D	WV-061-005466-032	Ronda Kathleen Ammons	Northeast Natural Energy, LLC	12.5% or Greater	1650	417
D	WV-061-005466-074	Larry Raymond Henderson	Northeast Natural Energy, LLC	12.5% or Greater	1696	216
D	WV-061-005466-016	Candice L. Leathers	Northeast Natural Energy, LLC	12.5% or Greater	1648	17
D	WV-061-005466-069	Anita Lou Carson	Northeast Natural Energy, LLC	12.5% or Greater	1661	843
D	WV-061-005466-012	Delores A. Sayers and Edward A. Sayers	Northeast Natural Energy, LLC	12.5% or Greater	1648	9
D	WV-061-005466-025	Deanna Lynn Karas	Northeast Natural Energy, LLC	12.5% or Greater	1648	3
D	WV-061-005466-065	Gary L. Hoffman	Northeast Natural Energy, LLC	12.5% or Greater	1655	581
D	WV-061-005466-026	Kathy Jo Statler	Northeast Natural Energy, LLC	12.5% or Greater	1648	5
D	WV-061-005466-018	Sherry Ann Karas	Northeast Natural Energy, LLC	12.5% or Greater	1648	21
D	WV-061-005466-019	Earl W. Pyles	Northeast Natural Energy, LLC	12.5% or Greater	1648	23
D	WV-061-005466-013	Juanita Delores Willard	Northeast Natural Energy, LLC	12.5% or Greater	1648	11
D	WV-061-005466-031	Larry Allen Tuttle	Northeast Natural Energy, LLC	12.5% or Greater	1650	415
D	WV-061-005466-063	Frances Ann Parrott	Northeast Natural Energy, LLC	12.5% or Greater	1654	240
D	WV-061-005466-055	James Philip Kunkle	Northeast Natural Energy, LLC	12.5% or Greater	1654	128
D	WV-061-005466-072	Eulah J. Henderson	Northeast Natural Energy, LLC	12.5% or Greater	1678	361
D	WV-061-005466-045	Robert L. Henderson	Northeast Natural Energy, LLC	12.5% or Greater	1645	172
D	WV-061-005466-002	Roberta J. Spowls	Northeast Natural Energy, LLC	12.5% or Greater	1645	168
D	WV-061-005466-045	Robert D. Henderson	Northeast Natural Energy, LLC	12.5% or Greater	1653	189
D	WV-061-005466-044	Richard A. Henderson	Northeast Natural Energy, LLC	12.5% or Greater	1653	187
D	WV-061-005466-070	Hope M. Johnson	Northeast Natural Energy, LLC	12.5% or Greater	1653	191
D	WV-061-005466-043	Linda S. Clinch	Northeast Natural Energy, LLC	12.5% or Greater	1653	185
D	WV-061-005466-047	Brenda L. Henderson	Northeast Natural Energy, LLC	12.5% or Greater	1653	193
D	WV-061-005466-011	Amy Jo Cupp	Northeast Natural Energy, LLC	12.5% or Greater	1648	7
D	WV-061-005466-034	Robert Lee Yost	Northeast Natural Energy, LLC	12.5% or Greater	1649	310
D	WV-061-005466-014	Sean Eric Cross	Northeast Natural Energy, LLC	12.5% or Greater	1648	13
D	WV-061-005466-049	Terry Lee Dayton	Northeast Natural Energy, LLC	12.5% or Greater	1654	160
D	WV-061-005466-005	Connie Jean Pyles	Northeast Natural Energy, LLC	12.5% or Greater	1647	108
D	WV-061-005466-009	John Eric Pyles	Northeast Natural Energy, LLC	12.5% or Greater	1647	116
D	WV-061-005466-008	Dottie L. Gump	Northeast Natural Energy, LLC	12.5% or Greater	1647	114
D	WV-061-005466-007	Richard Derald Pyles	Northeast Natural Energy, LLC	12.5% or Greater	1647	112
D	WV-061-005466-006	Sheila K. Robbins	Northeast Natural Energy, LLC	12.5% or Greater	1647	110
D	WV-061-005466-017	Janet F. Shumaker and Thomas D. Shumaker	Northeast Natural Energy, LLC	12.5% or Greater	1648	19
D	WV-061-005466-060	Sheridan Haught	Northeast Natural Energy, LLC	12.5% or Greater	1654	134
D	WV-061-005466-059	Crystal Barr	Northeast Natural Energy, LLC	12.5% or Greater	1654	132

4706101868

Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
D	WV-061-005466-058	Tristan A. Haught	Northeast Natural Energy, LLC	12.5% or Greater	1654	130
D	WV-061-005466-050	Mary Jean Trindal	Northeast Natural Energy, LLC	12.5% or Greater	1654	118
E	WV-061-005270-037	Addison Ammons	Northeast Natural Energy, LLC	12.5% or Greater	1678	317
E	WV-061-005231-040	Alena Lue Mason	Northeast Natural Energy, LLC	12.5% or Greater	1641	365
E	WV-061-005270-020	Alpha Lyn Bailey	Northeast Natural Energy, LLC	12.5% or Greater	1647	769
E	WV-061-005466-011	Amy Jo Cupp	Northeast Natural Energy, LLC	12.5% or Greater	1648	7
E	WV-061-005466-069	Anita Lou Carson	Northeast Natural Energy, LLC	12.5% or Greater	1661	843
E	WV-061-005270-009	Ann Brady	Northeast Natural Energy, LLC	12.5% or Greater	1643	224
E	WV-061-005231-046	Anna L. Confer	Northeast Natural Energy, LLC	12.5% or Greater	1650	255
E	WV-061-005231-050	Leonard H. Wilson and Barbara D. Wilson Living Trust	Northeast Natural Energy, LLC	12.5% or Greater	1696	80
E	WV-061-005248-006	Barbara Jean Biggs	Northeast Natural Energy, LLC	12.5% or Greater	1631	841
E	WV-061-005231-027	Barbara W. Servatius	Northeast Natural Energy, LLC	12.5% or Greater	1629	231
E	WV-061-005466-073	Benjamin A. Cumberledge	Northeast Natural Energy, LLC	12.5% or Greater	1683	651
E	WV-061-005231-038	Beth Ann Truex	Northeast Natural Energy, LLC	12.5% or Greater	1636	187
E	WV-061-005270-044	Betty J. Newstorm	Northeast Natural Energy, LLC	12.5% or Greater	1695	541
E	WV-061-005270-004	Betty L. Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1637	569
E	WV-061-005270-045	Beverly J. Cate	Northeast Natural Energy, LLC	12.5% or Greater	1695	543
E	WV-061-005466-064	Beverly Sue Matthews	Northeast Natural Energy, LLC	12.5% or Greater	1654	242
E	WV-061-005270-007	Brenda Kay Kidd	Northeast Natural Energy, LLC	12.5% or Greater	1638	612
E	WV-061-005466-047	Brenda L. Henderson	Northeast Natural Energy, LLC	12.5% or Greater	1653	193
E	WV-061-005270-048	Bruce D. Flickinger	Northeast Natural Energy, LLC	12.5% or Greater	1696	214
E	WV-061-005466-001	Bruce Edward Hall	Northeast Natural Energy, LLC	12.5% or Greater	1645	166
E	WV-061-005466-016	Candice L. Leathers	Northeast Natural Energy, LLC	12.5% or Greater	1648	17
E	WV-061-005248-008	Candice Lou Morris	Northeast Natural Energy, LLC	12.5% or Greater	1635	450
E	WV-061-005248-003	Charles Marion Mason	Northeast Natural Energy, LLC	12.5% or Greater	1630	386
E	WV-061-005466-035	Charles Michael Swisher	Northeast Natural Energy, LLC	12.5% or Greater	1652	189
E	WV-061-005270-038	Chase A. Ammons	Northeast Natural Energy, LLC	12.5% or Greater	1678	319
E	WV-061-005517-003	Church of Christ in Cross Plains Texas	Northeast Natural Energy, LLC	12.5% or Greater	1662	735
E	WV-061-005270-023	Cindy Murray Hill	Northeast Natural Energy, LLC	12.5% or Greater	1650	265
E	WV-061-005270-042	Clarence Daniel Watkins	Northeast Natural Energy, LLC	12.5% or Greater	1695	140
E	WV-061-005248-016	Clifford Eugene Bidwell	Northeast Natural Energy, LLC	12.5% or Greater	1657	276
E	WV-061-005231-030	Connie C. Sutton	Northeast Natural Energy, LLC	12.5% or Greater	1633	368
E	WV-061-005466-005	Connie Jean Pyles	Northeast Natural Energy, LLC	12.5% or Greater	1647	108
E	WV-061-005466-009	John Eric Pyles	Northeast Natural Energy, LLC	12.5% or Greater	1647	116
E	WV-061-005466-059	Crystal Barr	Northeast Natural Energy, LLC	12.5% or Greater	1654	132
E	WV-061-005270-001	Dale Ammons	Northeast Natural Energy, LLC	12.5% or Greater	1628	674
E	WV-061-005466-038	David F. Miracle	Northeast Natural Energy, LLC	12.5% or Greater	1652	195
E	WV-061-005270-010	David L. Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1643	226
E	WV-061-005231-026	David S. Beal	Northeast Natural Energy, LLC	12.5% or Greater	1629	229
E	WV-061-005466-025	Deanna Lynn Karas	Northeast Natural Energy, LLC	12.5% or Greater	1648	3
E	WV-061-005270-018	Debra Gail Kimble	Northeast Natural Energy, LLC	12.5% or Greater	1647	826
E	WV-061-005231-007	Debra Lynn Frazier	Northeast Natural Energy, LLC	12.5% or Greater	1627	508
E	WV-061-005466-012	Delores A. Sayers and Edward A. Sayers	Northeast Natural Energy, LLC	12.5% or Greater	1648	9

4706101868

Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
E	WV-061-005270-019	Dennis Randall Bailey	Northeast Natural Energy, LLC	12.5% or Greater	1647	771
E	WV-061-005248-009	Donald Alan Vasen	Northeast Natural Energy, LLC	12.5% or Greater	1635	452
E	WV-061-005231-019	Donald G. Beal	Northeast Natural Energy, LLC	12.5% or Greater	1628	572
E	WV-061-005270-006	Donald Loren Moore	Northeast Natural Energy, LLC	12.5% or Greater	1638	610
E	WV-061-005231-042	Donna C. Miller	Northeast Natural Energy, LLC	12.5% or Greater	1649	288
E	WV-061-005466-015	Donna Jo Varner	Northeast Natural Energy, LLC	12.5% or Greater	1648	15
E	WV-061-005270-031	Dorothy J. Moore	Northeast Natural Energy, LLC	12.5% or Greater	1662	713
E	WV-061-005517-005	Pamela Strader	Northeast Natural Energy, LLC	12.5% or Greater	1712	802
E	WV-061-005517-008	Cynthia Bradley	Northeast Natural Energy, LLC	12.5% or Greater	1713	261
E	WV-061-005517-007	Melinda Ashmore	Northeast Natural Energy, LLC	12.5% or Greater	1713	259
E	WV-061-005517-006	Frederick Repper	Northeast Natural Energy, LLC	12.5% or Greater	1713	257
E	WV-061-005466-008	Dottie L. Gump	Northeast Natural Energy, LLC	12.5% or Greater	1647	114
E	WV-061-005466-033	Douglas Alan Swisher	Northeast Natural Energy, LLC	12.5% or Greater	1649	308
E	WV-061-005466-019	Earl W. Pyles	Northeast Natural Energy, LLC	12.5% or Greater	1648	23
E	WV-061-005270-013	Eddie Lynn Moore	Northeast Natural Energy, LLC	12.5% or Greater	1645	264
E	WV-061-005466-072	Eulah J. Henderson	Northeast Natural Energy, LLC	12.5% or Greater	1678	361
E	WV-061-005270-039	Ferne Alice Mason	Northeast Natural Energy, LLC	12.5% or Greater	1694	615
E	WV-061-005466-063	Frances Ann Parrott	Northeast Natural Energy, LLC	12.5% or Greater	1654	240
E	WV-061-005466-054	Francis R. Haught	Northeast Natural Energy, LLC	12.5% or Greater	1654	126
E	WV-061-005466-065	Gary L. Hoffman	Northeast Natural Energy, LLC	12.5% or Greater	1655	581
E	WV-061-005466-037	Glenn Arden Ammons	Northeast Natural Energy, LLC	12.5% or Greater	1652	193
E	WV-061-005466-030	Gloria Jane Robinson	Northeast Natural Energy, LLC	12.5% or Greater	1650	413
E	WV-061-005231-037	Gregory C. Mason	Northeast Natural Energy, LLC	12.5% or Greater	1635	448
E	WV-061-005466-070	Gregory G. Helmick	Northeast Natural Energy, LLC	12.5% or Greater	1662	725
E	WV-061-005466-070	Hope M. Johnson	Northeast Natural Energy, LLC	12.5% or Greater	1653	191
E	WV-061-005517-004	Humane Society of the United States	Northeast Natural Energy, LLC	12.5% or Greater	1681	733
E	WV-061-005466-066	Jacqueline Kay Gillen	Northeast Natural Energy, LLC	12.5% or Greater	1658	623
E	WV-061-005270-013	Jacqueline Marshallsea	Northeast Natural Energy, LLC	12.5% or Greater	1650	263
E	WV-061-005466-055	James Philip Kunkle	Northeast Natural Energy, LLC	12.5% or Greater	1654	128
E	WV-061-005466-017	Janet F. Shumaker and Thomas D. Shumaker	Northeast Natural Energy, LLC	12.5% or Greater	1648	19
E	WV-061-005231-003	Jeffrey Scott Curtis	Northeast Natural Energy, LLC	12.5% or Greater	1627	15
E	WV-061-005466-067	Jerry Lewis Gillen	Northeast Natural Energy, LLC	12.5% or Greater	1658	625
E	WV-061-005466-020	Jodie Dawn Shriver	Northeast Natural Energy, LLC	12.5% or Greater	1648	25
E	WV-061-005231-045	John A. Hart	Northeast Natural Energy, LLC	12.5% or Greater	1636	207
E	WV-061-005248-007	John Charles Miller	Northeast Natural Energy, LLC	12.5% or Greater	1631	843
E	WV-061-005270-040	John Clayton Moore	Northeast Natural Energy, LLC	12.5% or Greater	1695	120
E	WV-061-005270-050	John Lemley	Northeast Natural Energy, LLC	12.5% or Greater	1704	642
E	WV-061-005270-024	John Wayne Flickinger	Northeast Natural Energy, LLC	12.5% or Greater	1652	171
E	WV-061-005270-025	Joni Michelle Murray	Northeast Natural Energy, LLC	12.5% or Greater	1652	173
E	WV-061-005466-068	Joy Ford	Northeast Natural Energy, LLC	12.5% or Greater	1658	686
E	WV-061-005248-001	Joy Patricia Miller	Northeast Natural Energy, LLC	12.5% or Greater	1627	536
E	WV-061-005231-047	Joyce Ann Satterfield	Northeast Natural Energy, LLC	12.5% or Greater	1653	158
E	WV-061-005270-005	Joyce E. Skeens	Northeast Natural Energy, LLC	12.5% or Greater	1638	608
E	WV-061-005466-013	Juanita Delores Willard	Northeast Natural Energy, LLC	12.5% or Greater	1648	11

4706101868

Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
E	WV-061-005248-011	Karl Frederick Vasen	Northeast Natural Energy, LLC	12.5% or Greater	1635	456
E	WV-061-005466-026	Kathy Jo Statler	Northeast Natural Energy, LLC	12.5% or Greater	1648	5
E	WV-061-005466-031	Larry Allen Tuttle	Northeast Natural Energy, LLC	12.5% or Greater	1650	415
E	WV-061-005466-074	Larry Raymond Henderson	Northeast Natural Energy, LLC	12.5% or Greater	1696	216
E	WV-061-005466-048	Lewis Byron Ammons	Northeast Natural Energy, LLC	12.5% or Greater	1653	195
E	WV-061-005270-017	Linda Lou Teller	Northeast Natural Energy, LLC	12.5% or Greater	1647	775
E	WV-061-005466-043	Linda S. Clinch	Northeast Natural Energy, LLC	12.5% or Greater	1653	185
E	WV-061-005231-049	Lindsey Allen Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1658	577
E	WV-061-005231-001	Lois J. McCoy	Northeast Natural Energy, LLC	12.5% or Greater	1627	13
E	WV-061-005270-035	Lynn Mason Brock	Northeast Natural Energy, LLC	12.5% or Greater	1666	133
E	WV-061-005231-029	Malinda Sue Ross	Northeast Natural Energy, LLC	12.5% or Greater	1629	235
E	WV-061-005466-024	Marilyn Sue Chisler	Northeast Natural Energy, LLC	12.5% or Greater	1648	1
E	WV-061-005231-031	Mark Edward Mason	Northeast Natural Energy, LLC	12.5% or Greater	1631	827
E	WV-061-005466-062	Marlene Figley	Northeast Natural Energy, LLC	12.5% or Greater	1654	238
E	WV-061-005248-014	Martha Lou Ledbetter	Northeast Natural Energy, LLC	12.5% or Greater	1637	777
E	WV-061-005248-013	Mary E. Martin	Northeast Natural Energy, LLC	12.5% or Greater	1636	193
E	WV-061-005248-012	Mary Elizabeth Arnold	Northeast Natural Energy, LLC	12.5% or Greater	1636	191
E	WV-061-005466-050	Mary Jean Trindal	Northeast Natural Energy, LLC	12.5% or Greater	1654	118
E	WV-061-005270-011	Mary Jo Jones	Northeast Natural Energy, LLC	12.5% or Greater	1643	228
E	WV-061-005466-053	Michael D. Haught	Northeast Natural Energy, LLC	12.5% or Greater	1654	124
E	WV-061-005231-051	Michael Delbert Moore	Northeast Natural Energy, LLC	12.5% or Greater	1713	524
E	WV-061-005270-014	Michael R. Moore	Northeast Natural Energy, LLC	12.5% or Greater	1645	266
E	WV-061-005270-034	Nancy E. Meyer	Northeast Natural Energy, LLC	12.5% or Greater	1666	131
E	WV-061-005466-021	Pamela Sue Arnett	Northeast Natural Energy, LLC	12.5% or Greater	1647	849
E	WV-061-005270-043	Patricia Elaine Moore	Northeast Natural Energy, LLC	12.5% or Greater	1695	539
E	WV-061-005466-036	Patricia J. Ricketts	Northeast Natural Energy, LLC	12.5% or Greater	1652	191
E	WV-061-005270-026	Paul Zane Moore	Northeast Natural Energy, LLC	12.5% or Greater	1654	82
E	WV-061-005248-005	Ralph Clayton Mason	Northeast Natural Energy, LLC	12.5% or Greater	1631	839
E	WV-061-005466-044	Richard A. Henderson	Northeast Natural Energy, LLC	12.5% or Greater	1653	187
E	WV-061-005466-007	Richard Derald Pyles	Northeast Natural Energy, LLC	12.5% or Greater	1647	112
E	WV-061-005231-025	Richard N. Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1629	227
E	WV-061-005248-004	Rider Lee Jenson	Northeast Natural Energy, LLC	12.5% or Greater	1631	837
E	WV-061-005466-045	Robert D. Henderson	Northeast Natural Energy, LLC	12.5% or Greater	1653	189
E	WV-061-005270-047	Robert Flickinger	Northeast Natural Energy, LLC	12.5% or Greater	1696	212
E	WV-061-005466-051	Robert Franklin Ammons	Northeast Natural Energy, LLC	12.5% or Greater	1654	120
E	WV-061-005270-029	Robert James Powell III	Northeast Natural Energy, LLC	12.5% or Greater	1660	356
E	WV-061-005466-003	Robert Jay Hall	Northeast Natural Energy, LLC	12.5% or Greater	1645	170
E	WV-061-005466-045	Robert L. Henderson	Northeast Natural Energy, LLC	12.5% or Greater	1645	172
E	WV-061-005466-034	Robert Lee Yost	Northeast Natural Energy, LLC	12.5% or Greater	1649	310
E	WV-061-005466-002	Roberta J. Sprows	Northeast Natural Energy, LLC	12.5% or Greater	1645	168
E	WV-061-005270-002	Roger Lee Lemley	Northeast Natural Energy, LLC	12.5% or Greater	1636	205
E	WV-061-005466-032	Ronda Kathleen Ammons	Northeast Natural Energy, LLC	12.5% or Greater	1650	417
E	WV-061-005466-061	Ruby Aldene Miller	Northeast Natural Energy, LLC	12.5% or Greater	1654	136
E	WV-061-005270-030	Sammie Junior Cobb	Northeast Natural Energy, LLC	12.5% or Greater	1661	819
E	WV-061-005231-004	Sandra M. Russell	Northeast Natural Energy, LLC	12.5% or Greater	1627	80
E	WV-061-005248-002	Sanford Jacob Mason	Northeast Natural Energy, LLC	12.5% or Greater	1629	237

4706101868

Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
E	WV-061-005231-048	Scott Alan Ellis	Northeast Natural Energy, LLC	12.5% or Greater	1653	160
E	WV-061-005466-014	Sean Eric Cross	Northeast Natural Energy, LLC	12.5% or Greater	1648	13
E	WV-061-005466-052	Sharon Ammons	Northeast Natural Energy, LLC	12.5% or Greater	1654	122
E	WV-061-005270-008	Sharon Lee Ammons	Northeast Natural Energy, LLC	12.5% or Greater	1641	399
E	WV-061-005466-006	Sheila K. Robbins	Northeast Natural Energy, LLC	12.5% or Greater	1647	110
E	WV-061-005270-015	Shellie Renee Miller	Northeast Natural Energy, LLC	12.5% or Greater	1647	81
E	WV-061-005466-060	Sheridan Haught	Northeast Natural Energy, LLC	12.5% or Greater	1654	134
E	WV-061-005466-018	Sherry Ann Karas	Northeast Natural Energy, LLC	12.5% or Greater	1648	21
E	WV-061-005270-046	Steven Carl Moore	Northeast Natural Energy, LLC	12.5% or Greater	1708	191
E	WV-061-005466-029	Steven Floyd Ammons	Northeast Natural Energy, LLC	12.5% or Greater	1650	411
E	WV-061-003298-001	Stone Hill Minerals Holdings	Northeast Natural Energy, LLC	12.5% or Greater	1496	27
E	WV-061-005248-010	Susan Ann Vasen	Northeast Natural Energy, LLC	12.5% or Greater	1635	454
E	WV-061-005231-028	Sylvia M. Opdahl	Northeast Natural Energy, LLC	12.5% or Greater	1629	233
E	WV-061-005270-051	Tara Lee Dolan	Northeast Natural Energy, LLC	12.5% or Greater	1712	794
E	WV-061-005231-006	Terrance W. Mason	Northeast Natural Energy, LLC	12.5% or Greater	1627	506
E	WV-061-005466-049	Terry Lee Dayton	Northeast Natural Energy, LLC	12.5% or Greater	1654	160
E	WV-061-005270-033	The John Law Shields Jr. Family Trust	Northeast Natural Energy, LLC	12.5% or Greater	1662	715
E	WV-061-005270-016	Tillie E. Moore	Northeast Natural Energy, LLC	12.5% or Greater	1647	826
E	WV-061-005231-041	Todd W. Ellis and Pamela S. Ellis	Northeast Natural Energy, LLC	12.5% or Greater	1649	286
E	WV-061-005466-058	Tristan A. Haught	Northeast Natural Energy, LLC	12.5% or Greater	1654	130
E	WV-061-005270-021	Trudy Beth Roth	Northeast Natural Energy, LLC	12.5% or Greater	1650	261
E	WV-061-005270-012	W. Brian Moore	Northeast Natural Energy, LLC	12.5% or Greater	1643	264
E	WV-061-005466-071	Wanda L. Helmick	Northeast Natural Energy, LLC	12.5% or Greater	1662	727
E	WV-061-005517-001	Wendy A. Ingbretson	Northeast Natural Energy, LLC	12.5% or Greater	1654	252
E	WV-061-005517-002	West Texas Rehabilitation Center	Northeast Natural Energy, LLC	12.5% or Greater	1662	7
E	WV-061-005231-039	William M. Mason	Northeast Natural Energy, LLC	12.5% or Greater	1648	324
E	WV-061-005231-036	Zachary L. Mason	Northeast Natural Energy, LLC	12.5% or Greater	1635	446
F	WV-061-003325-011	Adrian Kyle Wells II	Northeast Natural Energy, LLC	12.5% or Greater	1502	752
F	WV-061-003325-005	David Lee Wells	Northeast Natural Energy, LLC	12.5% or Greater	1502	756
F	WV-061-003325-001	Lelia Kimberly Wells Fournet	Northeast Natural Energy, LLC	12.5% or Greater	1503	102
F	WV-061-003325-007	Olivia Keth Wells Sullivan	Northeast Natural Energy, LLC	12.5% or Greater	1502	758
F	WV-061-000741-021	Barry Hollandsworth	Northeast Natural Energy, LLC	12.5% or Greater	1490	855
F	WV-061-000741-016	Judith Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1483; 1485	483; 378
F	WV-061-000741-005	Jacqueline C. Cowell	Northeast Natural Energy, LLC	12.5% or Greater	1483; 1485	483; 378
F	WV-061-000741-004	Joyce A. Clark	Northeast Natural Energy, LLC	12.5% or Greater	1483; 1485	483; 378
F	WV-061-000741-016	Jerry L. Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1483; 1485	483; 378
F	WV-061-000741-002	Jeffrey L. Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1483; 1485	483; 378
F	WV-061-000741-006	Janice Kay Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1483; 1485	483; 378
F	WV-061-000741-007	James L. Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1483; 1485	483; 378
F	WV-061-004721-009	Sharon Lyons Rock	Northeast Natural Energy, LLC	12.5% or Greater	1608	55
F	WV-061-004721-008	Robert Lyons	Northeast Natural Energy, LLC	12.5% or Greater	1608	52
F	WV-061-005467-001	Billy Ray Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1645	174
F	WV-061-003324-001	Brian E. Davis	Northeast Natural Energy, LLC	12.5% or Greater	1505	404

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Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
F	WV-061-003325-014	Guy S. Graziano Jr.	Northeast Natural Energy, LLC	12.5% or Greater	1503	858
F	WV-061-000741-048	Celeste M. Williams	Northeast Natural Energy, LLC	12.5% or Greater	1505	529
F	WV-061-000741-042	Charles Bradley Davis	Northeast Natural Energy, LLC	12.5% or Greater	1503	100
F	WV-061-003325-013	Charles J. Altamore	Northeast Natural Energy, LLC	12.5% or Greater	1503	866
F	WV-061-003803-001	Cheryl L. Gallagher	Northeast Natural Energy, LLC	12.5% or Greater	1559	272
F	WV-061-003867-001	Cliff Evan Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1566	5
F	WV-061-003934-002	Daniel G. Dinius	Northeast Natural Energy, LLC	12.5% or Greater	1566	3
F	WV-061-000741-050	David Wayne Williams	Northeast Natural Energy, LLC	12.5% or Greater	1506	84
F	WV-061-003800-001	Dennis Keith Williams	Northeast Natural Energy, LLC	12.5% or Greater	1443	436
F	WV-061-000741-009	Don R. Williams	Northeast Natural Energy, LLC	12.5% or Greater	1576	426
F	WV-061-003325-003	Donald Wheeler Jr.	Northeast Natural Energy, LLC	12.5% or Greater	1503	92
F	WV-061-000741-014	Ellen J. Woodruff	Northeast Natural Energy, LLC	12.5% or Greater	1483; 1486	487; 577
F	WV-061-003325-016	Fred J. Altamore	Northeast Natural Energy, LLC	12.5% or Greater	1505	369
F	WV-061-000741-025	Jack L. Yost	Northeast Natural Energy, LLC	12.5% or Greater	1492	560
F	WV-061-000741-011	James F. Williams	Northeast Natural Energy, LLC	12.5% or Greater	1484; 1487	560; 288
F	WV-061-003934-003	Stephen A. Jones	Northeast Natural Energy, LLC	12.5% or Greater	1662	755
F	WV-061-003934-007	Trisha Jones	Northeast Natural Energy, LLC	12.5% or Greater	1642	143
F	WV-061-003757-001	Nancy A. Kallas	Northeast Natural Energy, LLC	12.5% or Greater	1557	492
F	WV-061-005418-001; WV-061-002401-004	James Everett Williams II	Northeast Natural Energy, LLC	12.5% or Greater	1641; 1441	434; 724
F	WV-061-005379-004	Janet D. Crabtree	Northeast Natural Energy, LLC	12.5% or Greater	1642	847
F	WV-061-003325-004	Jerry Wayne Moore	Northeast Natural Energy, LLC	12.5% or Greater	1503	104
F	WV-061-005467-003	Jimmy Randall Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1647	118
F	WV-061-003331-001	Jo Statler	Northeast Natural Energy, LLC	12.5% or Greater	1502	599
F	WV-061-003934-005	John C. Jones	Northeast Natural Energy, LLC	12.5% or Greater	1638	668
F	WV-061-000741-022	Joseph Anthony Haught	Northeast Natural Energy, LLC	12.5% or Greater	1492	433
F	WV-061-002401-006	Joyce Ann Berga	Northeast Natural Energy, LLC	12.5% or Greater	1440	686
F	WV-061-001035-032	Judy D. Rose	Northeast Natural Energy, LLC	12.5% or Greater	1500; 1642	395; 164
F	WV-061-002401-005	Karen J. Taylor	Northeast Natural Energy, LLC	12.5% or Greater	1440	691
F	WV-061-000741-011	Kathleen A. Williams	Northeast Natural Energy, LLC	12.5% or Greater	1484; 1487	560; 288
F	WV-061-003840-001	Kimberly Brummage	Northeast Natural Energy, LLC	12.5% or Greater	1562	347
F	WV-061-000741-028	Larry L. Rush	Northeast Natural Energy, LLC	12.5% or Greater	1493	285
F	WV-061-003934-004	Loruma B. Brokaw	Northeast Natural Energy, LLC	12.5% or Greater	1638	670
F	WV-061-000741-019	Correll W. Cummins	Northeast Natural Energy, LLC	12.5% or Greater	1488	896
F	WV-061-005418-009; WV- 061-002416-001	Mabel L. McAfee	Northeast Natural Energy, LLC	12.5% or Greater	1440; 1703	697; 48
F	WV-061-003694-001	Malorie Jane Evans	Northeast Natural Energy, LLC	12.5% or Greater	1642	166
F	WV-061-003325-006	Marilyn Jane Moore	Northeast Natural Energy, LLC	12.5% or Greater	1504	768
F	WV-061-000741-050	Mark Allen Williams	Northeast Natural Energy, LLC	12.5% or Greater	1506	84
F	WV-061-002401-001	Mary Jane Pemberton	Northeast Natural Energy, LLC	12.5% or Greater	1441	724
F	WV-061-000741-023	Mary V. Cole	Northeast Natural Energy, LLC	12.5% or Greater	1492	540
F	WV-061-001035-044	George W. Yost	Northeast Natural Energy, LLC	12.5% or Greater	1648	57
F	WV-061-005379-006	Randall E. Dinius	Northeast Natural Energy, LLC	12.5% or Greater	1643	42
F	WV-061-002401-003	Rebecca Lynn Stahler	Northeast Natural Energy, LLC	12.5% or Greater	1441	8
F	WV-061-003325-004	Richard Lane Moore	Northeast Natural Energy, LLC	12.5% or Greater	1503	104
F	WV-061-003325-004	Robert Lynn Moore	Northeast Natural Energy, LLC	12.5% or Greater	1503	104

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Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
F	WV-061-005418-002	Robert Ora Wheeler	Northeast Natural Energy, LLC	12.5% or Greater	1441	14
F	WV-061-000741-043	Robin K. Walls	Northeast Natural Energy, LLC	12.5% or Greater	1481	269
F	WV-061-005467-002	Rodney Wayne Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1645	176
F	WV-061-005467-004	Roxanna Cahill and Michael Cahill	Northeast Natural Energy, LLC	12.5% or Greater	1647	120
F	WV-061-001035-024	Russell D. Yost	Northeast Natural Energy, LLC	12.5% or Greater	1492	558
F	WV-061-000741-021	Shirley Hollandsworth	Northeast Natural Energy, LLC	12.5% or Greater	1490	855
F	WV-061-000741-003	Bob Williams	Northeast Natural Energy, LLC	12.5% or Greater	1486	144
F	WV-061-000741-015	Sue Ann Strickland	Northeast Natural Energy, LLC	12.5% or Greater	1483; 1486	485; 142
F	WV-061-003325-004	Susan Gail Moore	Northeast Natural Energy, LLC	12.5% or Greater	1503	104
F	WV-061-002401-008	Susan L. Michael	Northeast Natural Energy, LLC	12.5% or Greater	1440	680
F	WV-061-000741-0031	Tana D. Butler	Northeast Natural Energy, LLC	12.5% or Greater	1495	92
F	WV-061-000741-050	Teresa Jane Swanson	Northeast Natural Energy, LLC	12.5% or Greater	1506	84
F	WV-061-005379-003	Thomas D. Jones	Northeast Natural Energy, LLC	12.5% or Greater	1638	672
F	WV-061-000741-036	Todd A. Rupert	Northeast Natural Energy, LLC	12.5% or Greater	1498	211
F	WV-061-000741-000	Wilma G. Williams	Northeast Natural Energy, LLC	12.5% or Greater	1485	378
F	WV-061-003325-010	Linda L. Barker	Northeast Natural Energy, LLC	12.5% or Greater	1503	96
F	WV-061-004072-006	Linda Lee Brown	Northeast Natural Energy, LLC	12.5% or Greater	1566	333
F	WV-061-003325-009	Susan R. Edwards	Northeast Natural Energy, LLC	12.5% or Greater	1503	94
F	WV-061-000741-034	Beulah Farley	Northeast Natural Energy, LLC	12.5% or Greater	1497	641
F	WV-061-000741-029	Charles A. Filbey	Northeast Natural Energy, LLC	12.5% or Greater	1493	872
F	WV-061-000741-030	Gary R. Filbey	Northeast Natural Energy, LLC	12.5% or Greater	1493	870
F	WV-061-000741-017	Janet L. Filbey	Northeast Natural Energy, LLC	12.5% or Greater	1489	3
F	WV-061-000741-017	Richard L. Filbey	Northeast Natural Energy, LLC	12.5% or Greater	1489	3
F	WV-061-003325-015	Robert D. Gump	Northeast Natural Energy, LLC	12.5% or Greater	1503	819
F	WV-061-004072-002	Deborah A. Haught	Northeast Natural Energy, LLC	12.5% or Greater	1565	513
F	WV-061-005472-001	Kimberly Woodham	Northeast Natural Energy, LLC	12.5% or Greater	1647	165
F	WV-061-005379-005	Susan Lynn James	Northeast Natural Energy, LLC	12.5% or Greater	1643	292
F	WV-061-002430-001	Michelle Dawn Johnson	Northeast Natural Energy, LLC	12.5% or Greater	1446; 1447; 1551	621; 457; 217
F	WV-061-000741-046	Charles R. Miller	Northeast Natural Energy, LLC	12.5% or Greater	1505	391
F	WV-061-000741-045	Donald L. Miller	Northeast Natural Energy, LLC	12.5% or Greater	1505	285
F	WV-061-004072-008	David Nicholson	Northeast Natural Energy, LLC	12.5% or Greater	1566	696
F	WV-061-004072-001	James E. Nicholson	Northeast Natural Energy, LLC	12.5% or Greater	1565	515
F	WV-061-004072-003	Jeffrey L. Nicholson	Northeast Natural Energy, LLC	12.5% or Greater	1565	849
F	WV-061-004072-005	Joseph B. Nicholson	Northeast Natural Energy, LLC	12.5% or Greater	1565	517
F	WV-061-000741-053	Martha T. Price	Northeast Natural Energy, LLC	12.5% or Greater	1506	129
F	WV-061-004072-004	Charlotta M. Simpson	Northeast Natural Energy, LLC	12.5% or Greater	1566	1
F	WV-061-003325-012	Rhonda E. Taylor	Northeast Natural Energy, LLC	12.5% or Greater	1503	645
F	WV-061-000741-038	Bernard Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1497	651
F	WV-061-000741-051	Bruce M. Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1506	421
F	WV-061-004072-009	Conrad K. Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1566	733
F	WV-061-005419-001	Sharron Kay Bussineau	Northeast Natural Energy, LLC	12.5% or Greater	1648	251
F	WV-061-000741-052	Mark B. Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1511	811
F	WV-061-000741-047	Wayne Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1510	85
F	WV-061-002430-004	Diane Beth Thomas	Northeast Natural Energy, LLC	12.5% or Greater	1446; 1447; 1551	621; 478; 217
F	WV-061-000741-001	Patricia Van Tassell	Northeast Natural Energy, LLC	12.5% or Greater	1456	46

4706101868

Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
F	WV-061-003325-008	Joyce Walls	Northeast Natural Energy, LLC	12.5% or Greater	1502	746
F	WV-061-004072-007	Diana S. Walsh	Northeast Natural Energy, LLC	12.5% or Greater	1566	741
F	WV-061-002430-002	Jarrod Williams	Northeast Natural Energy, LLC	12.5% or Greater	1447	400
F	WV-061-000741-013	Jean Williams	Northeast Natural Energy, LLC	12.5% or Greater	1643	342
F	WV-061-000741-044	Peggy L. Williams	Northeast Natural Energy, LLC	12.5% or Greater	1505	371
F	WV-061-005519-001	Toby Williams	Northeast Natural Energy, LLC	12.5% or Greater	1654	254
F	WV-061-000741-054	Marsha Catherine Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1521	649
G	WV-061-003325-011	Adrian Kyle Wells II	Northeast Natural Energy, LLC	12.5% or Greater	1502	752
G	WV-061-003325-005	David Lee Wells	Northeast Natural Energy, LLC	12.5% or Greater	1502	756
G	WV-061-003325-001	Lelia Kimberly Wells Fournet	Northeast Natural Energy, LLC	12.5% or Greater	1503	102
G	WV-061-003325-007	Olivia Keth Wells Sullivan	Northeast Natural Energy, LLC	12.5% or Greater	1502	758
G	WV-061-000741-018	Barry Hollandsworth	Northeast Natural Energy, LLC	12.5% or Greater	1488; 1490	890; 855
G	WV-061-000741-000	Judith Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1485	374
G	WV-061-000741-000	Jacqueline C. Cowell	Northeast Natural Energy, LLC	12.5% or Greater	1485	374
G	WV-061-000741-000	Joyce A. Clark	Northeast Natural Energy, LLC	12.5% or Greater	1485	374
G	WV-061-000741-000	Jerry L. Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1485	374
G	WV-061-000741-000	Jeffrey L. Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1485	374
G	WV-061-000741-000	Janice Kay Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1485	374
G	WV-061-000741-000	James L. Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1485	374
G	WV-061-004721-009	Sharon Lyons Rock	Northeast Natural Energy, LLC	12.5% or Greater	1608	55
G	WV-061-004721-008	Robert Lyons	Northeast Natural Energy, LLC	12.5% or Greater	1608	52
G	WV-061-005467-001	Billy Ray Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1645	174
G	WV-061-003324-001	Brian Edward Davis	Northeast Natural Energy, LLC	12.5% or Greater	1505	404
G	WV-061-003325-014	Guy S. Graziano Jr.	Northeast Natural Energy, LLC	12.5% or Greater	1503	858
G	WV-061-000741-048	Celeste M. Williams	Northeast Natural Energy, LLC	12.5% or Greater	1505	529
G	WV-061-000741-042	Charles Bradley Davis	Northeast Natural Energy, LLC	12.5% or Greater	1503	100
G	WV-061-003325-013	Charles J. Altamore	Northeast Natural Energy, LLC	12.5% or Greater	1503	866
G	WV-061-003803-001	Cheryl Gallagher	Northeast Natural Energy, LLC	12.5% or Greater	1559	272
G	WV-061-003867-001	Cliff Evan Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1566	5
G	WV-061-003934-002	Daniel G. Dinius	Northeast Natural Energy, LLC	12.5% or Greater	1566	3
G	WV-061-000741-050	David Wayne Williams	Northeast Natural Energy, LLC	12.5% or Greater	1506	84
G	WV-061-002401-007	Dennis Keith Williams	Northeast Natural Energy, LLC	12.5% or Greater	1443	436
G	WV-061-003872-001	Don R. Williams	Northeast Natural Energy, LLC	12.5% or Greater	1576	426
G	WV-061-003325-003	Donald Dean Wheeler Jr.	Northeast Natural Energy, LLC	12.5% or Greater	1503	92
G	WV-061-000741-014	Ellen J. Woodruff	Northeast Natural Energy, LLC	12.5% or Greater	1486	577
G	WV-061-003325-016	Fred J. Altamore	Northeast Natural Energy, LLC	12.5% or Greater	1505	369
G	WV-061-000741-025	Jack L. Yost	Northeast Natural Energy, LLC	12.5% or Greater	1492	560
G	WV-061-000741-011	James F. Williams	Northeast Natural Energy, LLC	12.5% or Greater	1487	288
G	WV-061-005547-001	Stephen A. Jones	Northeast Natural Energy, LLC	12.5% or Greater	1565	834
G	WV-061-005450-002	Trisha Jones	Northeast Natural Energy, LLC	12.5% or Greater	1566	731
G	WV-061-003757-001	Nancy A. Kallas	Northeast Natural Energy, LLC	12.5% or Greater	1557	492
G	WV-061-002401-004	James Everett Williams II	Northeast Natural Energy, LLC	12.5% or Greater	1441	20
G	WV-061-005464-001	Janet D. Crabtree	Northeast Natural Energy, LLC	12.5% or Greater	1645	334
G	WV-061-003325-004	Jerry Wayne Moore	Northeast Natural Energy, LLC	12.5% or Greater	1503	104
G	WV-061-005467-003	Jimmy Randall Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1647	118
G	WV-061-003331-001	Jo Statler	Northeast Natural Energy, LLC	12.5% or Greater	1502	599

4706101868

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G	WV-061-005464-002	John C. Jones	Northeast Natural Energy, LLC	12.5% or Greater	1645	336
G	WV-061-000741-022	Joseph Anthony Haught	Northeast Natural Energy, LLC	12.5% or Greater	1492	433
G	WV-061-002401-006	Joyce Ann Berga	Northeast Natural Energy, LLC	12.5% or Greater	1440	686
G	WV-061-001035-032	Judy D. Rose	Northeast Natural Energy, LLC	12.5% or Greater	1500; 1642	395; 164
G	WV-061-002401-005	Karen J. Taylor	Northeast Natural Energy, LLC	12.5% or Greater	1440	691
G	WV-061-000741-011	Kathleen A. Williams	Northeast Natural Energy, LLC	12.5% or Greater	1487	288
G	WV-061-003840-001	Kimberly S. Brummage	Northeast Natural Energy, LLC	12.5% or Greater	1562	347
G	WV-061-000741-028	Larry L. Rush	Northeast Natural Energy, LLC	12.5% or Greater	1493	285
G	WV-061-005450-003	George W. Yost	Northeast Natural Energy, LLC	12.5% or Greater	1648	57
G	WV-061-003934-004	Loruma B. Brokaw	Northeast Natural Energy, LLC	12.5% or Greater	1645	338
G	WV-061-000741-019	Correll W. Cummins	Northeast Natural Energy, LLC	12.5% or Greater	1488	896
G	WV-061-002416-001	Mabel L. McAfee	Northeast Natural Energy, LLC	12.5% or Greater	1440	697
G	WV-061-003694-001	Malorie Jane Evans	Northeast Natural Energy, LLC	12.5% or Greater	1642	166
G	WV-061-003325-006	Marilyn Jane Moore	Northeast Natural Energy, LLC	12.5% or Greater	1504	768
G	WV-061-000741-050	Mark Allen Williams	Northeast Natural Energy, LLC	12.5% or Greater	1506	84
G	WV-061-002401-001	Mary Jane Pemberton	Northeast Natural Energy, LLC	12.5% or Greater	1441	724
G	WV-061-000741-023	Mary V. Cole	Northeast Natural Energy, LLC	12.5% or Greater	1492	540
G	WV-061-003342-001	Patricia Van Tassell	Northeast Natural Energy, LLC	12.5% or Greater	1506	43
G	WV-061-005471-002	Randall E. Dinius	Northeast Natural Energy, LLC	12.5% or Greater	1675	242
G	WV-061-002401-003	Rebecca Lynn Strahler	Northeast Natural Energy, LLC	12.5% or Greater	1441	8
G	WV-061-003325-004	Richard Lane Moore	Northeast Natural Energy, LLC	12.5% or Greater	1503	104
G	WV-061-003325-004	Robert Lynn Moore	Northeast Natural Energy, LLC	12.5% or Greater	1503	104
G	WV-061-002401-002	Robert Ora Wheeler	Northeast Natural Energy, LLC	12.5% or Greater	1441	14
G	WV-061-000741-043	Robin K. Walls	Northeast Natural Energy, LLC	12.5% or Greater	1647	106
G	WV-061-005467-002	Rodney Wayne Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1645	176
G	WV-061-005467-004	Roxanna Cahill and Michael Cahill	Northeast Natural Energy, LLC	12.5% or Greater	1647	120
G	WV-061-000741-024	Russell D. Yost	Northeast Natural Energy, LLC	12.5% or Greater	1492	558
G	WV-061-000741-018	Shirley Marlene Hollandsworth	Northeast Natural Energy, LLC	12.5% or Greater	1488; 1490; 1563	890; 855; 127
G	WV-061-005519-002	Bob Williams	Northeast Natural Energy, LLC	12.5% or Greater	1681	735
G	WV-061-000741-015	Sue Ann Strickland	Northeast Natural Energy, LLC	12.5% or Greater	1483; 1486	485; 142
G	WV-061-003325-004	Susan Gail Moore	Northeast Natural Energy, LLC	12.5% or Greater	1503	104
G	WV-061-002401-008	Susan L. Michael	Northeast Natural Energy, LLC	12.5% or Greater	1440	680
G	WV-061-000741-031	Tana D. Butler	Northeast Natural Energy, LLC	12.5% or Greater	1495	92
G	WV-061-000741-050	Teresa Jane Swanson	Northeast Natural Energy, LLC	12.5% or Greater	1506	84
G	WV-061-003934-009	Thomas D. Jones	Northeast Natural Energy, LLC	12.5% or Greater	1562; 1645	188; 340
G	WV-061-000741-036	Todd A. Rupert	Northeast Natural Energy, LLC	12.5% or Greater	1498	211
G	WV-061-003325-010	Linda L. Barker	Northeast Natural Energy, LLC	12.5% or Greater	1503	96
G	WV-061-004072-006	Linda Lee Brown	Northeast Natural Energy, LLC	12.5% or Greater	1566	333
G	WV-061-003325-009	Susan R. Edwards	Northeast Natural Energy, LLC	12.5% or Greater	1503	94
G	WV-061-000741-034	Beulah Farley	Northeast Natural Energy, LLC	12.5% or Greater	1497	641
G	WV-061-000741-029	Charles A. Filbey	Northeast Natural Energy, LLC	12.5% or Greater	1493	872
G	WV-061-000741-030	Gary R. Filbey	Northeast Natural Energy, LLC	12.5% or Greater	1493	870
G	WV-061-000741-017	Janet L. Filbey	Northeast Natural Energy, LLC	12.5% or Greater	1489	3
G	WV-061-000741-017	Richard L. Filbey	Northeast Natural Energy, LLC	12.5% or Greater	1489	3
G	WV-061-003325-015	Robert D. Gump	Northeast Natural Energy, LLC	12.5% or Greater	1503	819

4706101868

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G	WV-061-004072-002	Deborah A. Haught	Northeast Natural Energy, LLC	12.5% or Greater	1565	513
G	WV-061-005472-001	Kimberly Woodham, Trustee of the David Henderson Trust	Northeast Natural Energy, LLC	12.5% or Greater	1647	165
G	WV-061-005471-001	Susan Lynn James	Northeast Natural Energy, LLC	12.5% or Greater	1647	163
G	WV-061-002430-003	Michelle Dawn Johnson	Northeast Natural Energy, LLC	12.5% or Greater	1446; 1447; 1551	621; 457; 217
G	WV-061-000741-046	Charles R. Miller	Northeast Natural Energy, LLC	12.5% or Greater	1505	391
G	WV-061-000741-045	Donald L. Miller	Northeast Natural Energy, LLC	12.5% or Greater	1505	285
G	WV-061-004072-008	David Nicholson	Northeast Natural Energy, LLC	12.5% or Greater	1566	696
G	WV-061-004072-001	James E. Nicholson	Northeast Natural Energy, LLC	12.5% or Greater	1565	515
G	WV-061-004072-003	Jeffrey L. Nicholson	Northeast Natural Energy, LLC	12.5% or Greater	1565	849
G	WV-061-004072-005	Joseph B. Nicholson	Northeast Natural Energy, LLC	12.5% or Greater	1565	517
G	WV-061-000741-053	Martha T. Price	Northeast Natural Energy, LLC	12.5% or Greater	1506	129
G	WV-061-004072-004	Charlotta M. Simpson	Northeast Natural Energy, LLC	12.5% or Greater	1566	1
G	WV-061-003325-012	Rhonda E. Taylor	Northeast Natural Energy, LLC	12.5% or Greater	1503	645
G	WV-061-000741-038	Bernard Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1497	651
G	WV-061-000741-051	Bruce M. Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1506	421
G	WV-061-004072-009	Conrad K. Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1566	733
G	WV-061-005464-005	Sharon Kay Bussineau	Northeast Natural Energy, LLC	12.5% or Greater	1647	104
G	WV-061-000741-052	Mark B. Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1511	811
G	WV-061-000741-047	Wayne Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1510	85
G	WV-061-002430-004	Diane Beth Thomas	Northeast Natural Energy, LLC	12.5% or Greater	1446; 1447; 1551	621; 478; 217
G	WV-061-004072-007	Diana S. Walsh	Northeast Natural Energy, LLC	12.5% or Greater	1566	741
G	WV-061-000741-032	Julie A. Warshaw	Northeast Natural Energy, LLC	12.5% or Greater	1495	3
G	WV-061-002430-002	Jarrod Williams	Northeast Natural Energy, LLC	12.5% or Greater	1447	400
G	WV-061-005450-001	Jean Williams	Northeast Natural Energy, LLC	12.5% or Greater	1643	342
G	WV-061-000741-020	Gergory D. Williams	Northeast Natural Energy, LLC	12.5% or Greater	1488	882
G	WV-061-000741-044	Peggy L. Williams	Northeast Natural Energy, LLC	12.5% or Greater	1505	371
G	WV-061-005519-001	Toby Williams	Northeast Natural Energy, LLC	12.5% or Greater	1654	254
G	WV-061-000741-000	Wilma G. Williams	Northeast Natural Energy, LLC	12.5% or Greater	1485	378
G	WV-061-000741-051	Marsha Catherine Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1521	649
H	WV-061-003325-011	Adrian Kyle Wells II	Northeast Natural Energy, LLC	12.5% or Greater	1502	752
H	WV-061-003325-005	David Lee Wells	Northeast Natural Energy, LLC	12.5% or Greater	1502	756
H	WV-061-003325-001	Lelia Kimberly Wells Fournet	Northeast Natural Energy, LLC	12.5% or Greater	1503	102
H	WV-061-003325-007	Olivia Keth Wells Sullivan	Northeast Natural Energy, LLC	12.5% or Greater	1502	758
H	WV-061-001035-018	Barry Hollandsworth	Northeast Natural Energy, LLC	12.5% or Greater	1486	895
H	WV-061-005323-006	Judith Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1483	483
H	WV-061-005323-002	Jacqueline C. Cowell	Northeast Natural Energy, LLC	12.5% or Greater	1483	483
H	WV-061-005323-001	Joyce A. Clark	Northeast Natural Energy, LLC	12.5% or Greater	1483	483
H	WV-061-005323-012	Jerry L. Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1483; 1640	483; 355
H	WV-061-005323-010	Jeffrey L. Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1483	483
H	WV-061-005323-007	Janice Kay Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1483	483
H	WV-061-005323-006	James L. Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1483	483
H	WV-061-004721-009	Sharon Lyons Rock	Northeast Natural Energy, LLC	12.5% or Greater	1608	55
H	WV-061-004721-008	Robert Lyons	Northeast Natural Energy, LLC	12.5% or Greater	1608	52
H	WV-061-005467-001	Billy Ray Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1645	174
H	WV-061-003324-001	Brian E. Davis	Northeast Natural Energy, LLC	12.5% or Greater	1505	404

4706101868

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H	WV-061-003325-014	Guy S. Graziano Jr.	Northeast Natural Energy, LLC	12.5% or Greater	1503	858
H	WV-061-001035-041	Celeste M. Williams	Northeast Natural Energy, LLC	12.5% or Greater	1517	399
H	WV-061-001035-035	Charles Bradley Davis	Northeast Natural Energy, LLC	12.5% or Greater	1503	86
H	WV-061-003325-013	Charles J. Altamore	Northeast Natural Energy, LLC	12.5% or Greater	1503	866
H	WV-061-003803-001	Cheryl L. Gallagher	Northeast Natural Energy, LLC	12.5% or Greater	1559	272
H	WV-061-003867-001	Cliff Evan Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1566	5
H	WV-061-003934-002	Daniel G. Dinius	Northeast Natural Energy, LLC	12.5% or Greater	1566	3
H	WV-061-001035-036	David Wayne Williams	Northeast Natural Energy, LLC	12.5% or Greater	1503	870
H	WV-061-002401-007	Dennis Keith Williams	Northeast Natural Energy, LLC	12.5% or Greater	1441	724
H	WV-061-003872-001	Don R. Williams	Northeast Natural Energy, LLC	12.5% or Greater	1576	426
H	WV-061-003325-003	Donald Wheeler Jr.	Northeast Natural Energy, LLC	12.5% or Greater	1503	92
H	WV-061-005323-003	Ellen J. Woodruff	Northeast Natural Energy, LLC	12.5% or Greater	1483	487
H	WV-061-003325-016	Fred J. Altamore	Northeast Natural Energy, LLC	12.5% or Greater	1505	369
H	WV-061-003325-025	Jack L. Yost	Northeast Natural Energy, LLC	12.5% or Greater	1493	273
H	WV-061-005323-011	James F. Williams	Northeast Natural Energy, LLC	12.5% or Greater	1640	353
H	WV-061-003934-003	Stephen A. Jones	Northeast Natural Energy, LLC	12.5% or Greater	1662	755
H	WV-061-003934-007	Trisha Jones	Northeast Natural Energy, LLC	12.5% or Greater	1638	642
H	WV-061-003757-001	Nancy A. Kallas	Northeast Natural Energy, LLC	12.5% or Greater	1557	492
H	WV-061-002401-004	James Everett Williams II	Northeast Natural Energy, LLC	12.5% or Greater	1441	20
H	WV-061-003934-006	Janet D. Crabtree	Northeast Natural Energy, LLC	12.5% or Greater	1635	492
H	WV-061-003325-004	Jerry Wayne Moore	Northeast Natural Energy, LLC	12.5% or Greater	1503	104
H	WV-061-00467-003	Jimmy Randall Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1647	118
H	WV-061-003331-001	Jo Statler	Northeast Natural Energy, LLC	12.5% or Greater	1502	599
H	WV-061-003934-005	John C. Jones	Northeast Natural Energy, LLC	12.5% or Greater	1635	490
H	WV-061-001035-026	Joseph Anthony Haught	Northeast Natural Energy, LLC	12.5% or Greater	1493	884
H	WV-061-002401-006	Joyce Ann Berga	Northeast Natural Energy, LLC	12.5% or Greater	1440	686
H	WV-061-001035-032	Judy D. Rose	Northeast Natural Energy, LLC	12.5% or Greater	1500; 1642	395; 164
H	WV-061-002401-005	Karen J. Taylor	Northeast Natural Energy, LLC	12.5% or Greater	1440	691
H	WV-061-005323-009	Kathleen A. Williams	Northeast Natural Energy, LLC	12.5% or Greater	1484	560
H	WV-061-003840-001	Kimberly Brummage	Northeast Natural Energy, LLC	12.5% or Greater	1562	347
H	WV-061-001035-028	Larry L. Rush	Northeast Natural Energy, LLC	12.5% or Greater	1493	893
H	WV-061-003934-004	Loruma B. Brokaw	Northeast Natural Energy, LLC	12.5% or Greater	1636	227
H	WV-061-001035-012	Correll W. Cummins	Northeast Natural Energy, LLC	12.5% or Greater	1610	481
H	WV-061-002416-001	Mabel L. McAfee	Northeast Natural Energy, LLC	12.5% or Greater	1440	697
H	WV-061-003694-001	Malorie Jane Evans	Northeast Natural Energy, LLC	12.5% or Greater	1642	166
H	WV-061-003325-006	Marilyn Jane Moore	Northeast Natural Energy, LLC	12.5% or Greater	1504	768
H	WV-061-001035-036	Mark Allen Williams	Northeast Natural Energy, LLC	12.5% or Greater	1503	870
H	WV-061-002401-001	Mary Jane Pemberton	Northeast Natural Energy, LLC	12.5% or Greater	1441	724
H	WV-061-001035-022	Mary V. Cole	Northeast Natural Energy, LLC	12.5% or Greater	1492	431
H	WV-061-001035-044	George W. Yost	Northeast Natural Energy, LLC	12.5% or Greater	1636	134
H	WV-061-005372-001	Randall E. Dinius	Northeast Natural Energy, LLC	12.5% or Greater	1637	593
H	WV-061-002401-003	Rebecca Lynn Stahler	Northeast Natural Energy, LLC	12.5% or Greater	1441	8
H	WV-061-003325-004	Richard Lane Moore	Northeast Natural Energy, LLC	12.5% or Greater	1503	104
H	WV-061-003325-004	Robert Lynn Moore	Northeast Natural Energy, LLC	12.5% or Greater	1503	104
H	WV-061-002401-002	Robert Ora Wheeler	Northeast Natural Energy, LLC	12.5% or Greater	1441	14
H	WV-061-005323-008	Robin K. Walls	Northeast Natural Energy, LLC	12.5% or Greater	1481	269

4706101868

Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
H	WV-061-005467-002	Rodney Wayne Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1645	176
H	WV-061-005467-004	Roxanna Cahill and Michael Cahill	Northeast Natural Energy, LLC	12.5% or Greater	1647	120
H	WV-061-001035-024	Russell D. Yost	Northeast Natural Energy, LLC	12.5% or Greater	1492	419
H	WV-061-001035-018	Shirley Hollandsworth	Northeast Natural Energy, LLC	12.5% or Greater	1486	895
H	WV-061-001035-015	Bob Williams	Northeast Natural Energy, LLC	12.5% or Greater	1486	144
H	WV-061-005323-004	Sue Ann Strickland	Northeast Natural Energy, LLC	12.5% or Greater	1483	485
H	WV-061-003325-004	Susan Gail Moore	Northeast Natural Energy, LLC	12.5% or Greater	1503	104
H	WV-061-002401-008	Susan L. Michael	Northeast Natural Energy, LLC	12.5% or Greater	1441	724
H	WV-061-001035-027	Tana D. Butler	Northeast Natural Energy, LLC	12.5% or Greater	1493	891
H	WV-061-001035-036	Teresa Jane Swanson	Northeast Natural Energy, LLC	12.5% or Greater	1503	870
H	WV-061-003934-009	Thomas D. Jones	Northeast Natural Energy, LLC	12.5% or Greater	1636	217
H	WV-061-001035-030	Todd A. Rupert	Northeast Natural Energy, LLC	12.5% or Greater	1498	209
H	WV-061-001035-010	Wilma G. Williams	Northeast Natural Energy, LLC	12.5% or Greater	1485	364
H	WV-061-003325-010	Linda L. Barker	Northeast Natural Energy, LLC	12.5% or Greater	1503	96
H	WV-061-004072-006	Linda Lee Brown	Northeast Natural Energy, LLC	12.5% or Greater	1566	333
H	WV-061-003325-009	Susan R. Edwards	Northeast Natural Energy, LLC	12.5% or Greater	1503	94
H	WV-061-001035-031	Beulah Farley	Northeast Natural Energy, LLC	12.5% or Greater	1498	363
H	WV-061-001035-023	Charles A. Filbey	Northeast Natural Energy, LLC	12.5% or Greater	1594	222
H	WV-061-001035-029	Gary R. Filbey	Northeast Natural Energy, LLC	12.5% or Greater	1495	5
H	WV-061-001035-009	Janet L. Filbey	Northeast Natural Energy, LLC	12.5% or Greater	1485	175
H	WV-061-001035-009	Richard L. Filbey	Northeast Natural Energy, LLC	12.5% or Greater	1485	175
H	WV-061-003325-015	Ronald D. Gump Jr.	Northeast Natural Energy, LLC	12.5% or Greater	1503	819
H	WV-061-004072-002	Deborah A. Haught	Northeast Natural Energy, LLC	12.5% or Greater	1565	513
H	WV-061-001035-045	Susan Lynn James	Northeast Natural Energy, LLC	12.5% or Greater	1638	466
H	WV-061-002430-003	Michelle Dawn Johnson	Northeast Natural Energy, LLC	12.5% or Greater	1446; 1447	621; 457
H	WV-061-001035-038	Charles R. Miller	Northeast Natural Energy, LLC	12.5% or Greater	1505	121
H	WV-061-001035-034	Donald L. Miller	Northeast Natural Energy, LLC	12.5% or Greater	1505	269
H	WV-061-004072-008	David Nicholson	Northeast Natural Energy, LLC	12.5% or Greater	1566	696
H	WV-061-004072-001	James E. Nicholson	Northeast Natural Energy, LLC	12.5% or Greater	1565	515
H	WV-061-004072-003	Jeffrey L. Nicholson	Northeast Natural Energy, LLC	12.5% or Greater	1565	849
H	WV-061-004072-005	Joseph B. Nicholson	Northeast Natural Energy, LLC	12.5% or Greater	1565	517
H	WV-061-001035-011	Martha T. Price	Northeast Natural Energy, LLC	12.5% or Greater	1485	362
H	WV-061-004072-004	Charlotta M. Simpson	Northeast Natural Energy, LLC	12.5% or Greater	1566	1
H	WV-061-003325-012	Rhonda E. Taylor	Northeast Natural Energy, LLC	12.5% or Greater	1503	645
H	WV-061-001035-037	Bruce M. Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1505	521
H	WV-061-004072-009	Conrad K. Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1566	733
H	WV-061-005419-001	Sharon Kay Bussineau	Northeast Natural Energy, LLC	12.5% or Greater	1648	251
H	WV-061-001035-040	Mark B. Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1505	383
H	WV-061-001035-039	Wayne Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1510	87
H	WV-061-002430-004	Diane Beth Thomas	Northeast Natural Energy, LLC	12.5% or Greater	1446; 1447	621; 478
H	WV-061-001035-014	Patricia Van Tassell	Northeast Natural Energy, LLC	12.5% or Greater	1486	148
H	WV-061-003325-008	Joyce Walls	Northeast Natural Energy, LLC	12.5% or Greater	1502	746
H	WV-061-004072-007	Diana S. Walsh	Northeast Natural Energy, LLC	12.5% or Greater	1566	741
H	WV-061-002430-002	Jarrod Williams	Northeast Natural Energy, LLC	12.5% or Greater	1447	400
H	WV-061-001035-046	Jean Williams	Northeast Natural Energy, LLC	12.5% or Greater	1641	298

4706101868

Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
H	WV-061-001035-033	Peggy L. Williams	Northeast Natural Energy, LLC	12.5% or Greater	1503	844
H	WV-061-005519-001	Toby Williams	Northeast Natural Energy, LLC	12.5% or Greater	1654	254
H	WV-061-001035-042	Marsha Catherine Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1521	169
I	WV-061-005195-002	Gary D. Yost	Northeast Natural Energy, LLC	12.5% or Greater	1488	894
I	WV-061-005195-001	Kelli D. Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1487	697
I	WV-061-005195-003	Lorri E. Kuhn	Northeast Natural Energy, LLC	12.5% or Greater	1487	699
J	WV-061-003261-001	Gary and Janey Shriver	Northeast Natural Energy, LLC	12.5% or Greater	1454	815
K	WV-061-003539-003	Charles Edward Bennett Jr.	Northeast Natural Energy LLC	12.5% or Greater	1538	348
K	WV-061-003539-012	Georgia Ellen Tennant a/k/a Gerogia E. Butcher	Northeast Natural Energy LLC	12.5% or Greater	1684	434
K	WV-061-003539-004	Amy Lynn Trickett	Northeast Natural Energy LLC	12.5% or Greater	1568	246
K	WV-061-002472-004	Daniel M. Copeland	Northeast Natural Energy LLC	12.5% or Greater	1427	190
K	WV-061-002472-002	Jimmie Dell Copeland	Northeast Natural Energy LLC	12.5% or Greater	1427	130
K	WV-061-003539-006	John Max Copeland III	Northeast Natural Energy LLC	12.5% or Greater	1641	314
K	WV-061-002472-005	Mary. L Copeland	Northeast Natural Energy LLC	12.5% or Greater	1425	682
K	WV-061-002472-001	Robert Lyle Copeland	Northeast Natural Energy LLC	12.5% or Greater	1426	117
K	WV-061-001552-020	Janie Louis Gram	Northeast Natural Energy LLC	12.5% or Greater	1635	528
K	WV-061-003539-007	Deborah S. Hayhurt	Northeast Natural Energy LLC	12.5% or Greater	1647	23
K	WV-061-001552-018	Judy Ann Heston	Northeast Natural Energy LLC	12.5% or Greater	1630	187
K	WV-061-001552-021	Denzil Ray Hibbs	Northeast Natural Energy LLC	12.5% or Greater	1647	11
K	WV-061-001552-019	Donnie Fay Hibbs	Northeast Natural Energy LLC	12.5% or Greater	1635	340
K	WV-061-001552-023	John W. Higgins	Northeast Natural Energy LLC	12.5% or Greater	1647	15
K	WV-061-001552-012;	Paula E. Higgins	Northeast Natural Energy LLC	12.5% or Greater	1395	96
K	WV-061-001552-022	Mary L. Ogawa	Northeast Natural Energy LLC	12.5% or Greater	1647	13
K	WV-061-002479-001	Ruby Jane Simpson	Northeast Natural Energy LLC	12.5% or Greater	1426	777
K	WV-061-003539-005	Joan Sinclair	Northeast Natural Energy LLC	12.5% or Greater	1641	312
K	WV-061-003539-013	Robin Delgado	Northeast Natural Energy LLC	12.5% or Greater	140	371
K	WV-061-003539-009	Cristy Acree	Northeast Natural Energy LLC	12.5% or Greater	139	448
K	WV-061-003539-014	Brandon Stokes	Northeast Natural Energy LLC	12.5% or Greater	140	375
K	WV-061-003539-008	Bradley Stokes	Northeast Natural Energy LLC	12.5% or Greater	1671	366
K	WV-061-003539-011	Jesse Thomas Tennant Jr.	Northeast Natural Energy LLC	12.5% or Greater	1684	432
K	WV-061-003539-010	Lindsay J. Tennant	Northeast Natural Energy LLC	12.5% or Greater	1684	430
K	WV-061-001552-017	William L. Tennant	Northeast Natural Energy LLC	12.5% or Greater	1568	248
K	WV-061-001552-024	Sarah E. Thompson	Northeast Natural Energy LLC	12.5% or Greater	1650	66
K	WV-061-005629-001	Mary Lou Verbosky	Northeast Natural Energy LLC	12.5% or Greater	1557	501
L	WV-061-001052-002	YOST HERITAGE	Northeast Natural Energy LLC	12.5% or Greater	1670	16
M	WV-061-0005714-001	Jeffrey John Moore and Sandra Jean Moore	EQT Production Company	12.5% or Greater	1639	177
		EQT Production Company	Northeast Natural Energy, LLC		149	643
N	WV-061-005416-001	H3 LLC	Northeast Natural Energy LLC	12.5% or Greater	1641	432
N	WV-061-003457-001	MM-MARCELLUS II	Northeast Natural Energy LLC	12.5% or Greater	1513	613
N	WV-061-005127-001	JOESPH KILLIMAYER	Northeast Natural Energy LLC	12.5% or Greater	1629	788
N	WV-061-003457-003	FORTUNE DEVELOP	Northeast Natural Energy LLC	12.5% or Greater	1613	329
N	WV-061-004661-002	SHRINERS HOSPITAL	Northeast Natural Energy LLC	12.5% or Greater	136	40
N	WV-061-003457-002	JAMES E. THORNE	Northeast Natural Energy LLC	12.5% or Greater	1605	591
N	WV-061-004621-001	WESTHAWK MINERALS	Gulfport Energy Corporation	12.5% or Greater	1595	73

4706101868

Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
N		Gulfport Energy Corporation	Northeast Natural Energy LLC		134	217
O	WV-061-005551-002	Green Mountain Land Ventures, LLC	Northeast Natural Energy, LLC	12.5% or Greater	1732	212
Q	WV-061-004235-008	Mildred Marie Hale	Northeast Natural Energy, LLC	12.5% or Greater	1600	624
Q	WV-061-004235-022	James Ray Gage	Northeast Natural Energy, LLC	12.5% or Greater	1643	102
Q	WV-061-004235-024	Carol Graham	Northeast Natural Energy, LLC	12.5% or Greater	1650	151
Q	WV-061-004235-023	Laurna Francis Bacon	Northeast Natural Energy, LLC	12.5% or Greater	1647	569
Q	WV-061-004235-008	Evelyn Irene Davis Roach	Northeast Natural Energy, LLC	12.5% or Greater	1601	465
Q	WV-061-004235-007	Doreatha Lee Bowen Busteed	Northeast Natural Energy, LLC	12.5% or Greater	1600	296
Q	WV-061-004235-010	James Bowen	Northeast Natural Energy, LLC	12.5% or Greater	1601	462
Q	WV-061-004235-009	Harlan Oscar Bowen	Northeast Natural Energy, LLC	12.5% or Greater	1600	626
Q	WV-061-004235-012	Faye Delores Brown Bowen	Northeast Natural Energy, LLC	12.5% or Greater	1601	737
Q	WV-061-004235-013	Anthony Allen Bowen	Northeast Natural Energy, LLC	12.5% or Greater	1601	740
Q	WV-061-004235-026	Barbara Jean Alcaraz, f/k/a Barbara Jean Dorsen	Northeast Natural Energy, LLC	12.5% or Greater	1671	343
Q	WV-061-004235-014	Guy William Bowen, Sr.	Northeast Natural Energy, LLC	12.5% or Greater	1601	742
Q	WV-061-004235-015	Elizabeth Ruth Bowen	Northeast Natural Energy, LLC	12.5% or Greater	1601	745
Q	WV-061-004235-016	Clifton Earl Bowen	Northeast Natural Energy, LLC	12.5% or Greater	1605	678
Q	WV-061-004235-017	Darrell Allen Bowen	Northeast Natural Energy, LLC	12.5% or Greater	1605	680
Q	WV-061-004235-006	Michael John Eddy	Northeast Natural Energy, LLC	12.5% or Greater	1572	227
Q	WV-061-004235-004	James Edward Eddy	Northeast Natural Energy, LLC	12.5% or Greater	1572	227
Q	WV-061-004235-006	Natalie Ann Eddy	Northeast Natural Energy, LLC	12.5% or Greater	1572	229
Q	WV-061-004235-004	Ronda Sullivan Eddy	Northeast Natural Energy, LLC	12.5% or Greater	1570	719
R	WV-061-004235-008	Mildred Marie Hale	Northeast Natural Energy, LLC	12.5% or Greater	1600	624
R	WV-061-004235-022	James Ray Gage	Northeast Natural Energy, LLC	12.5% or Greater	1643	102
R	WV-061-004235-024	Carol Graham	Northeast Natural Energy, LLC	12.5% or Greater	1650	151
R	WV-061-004235-023	Laurna Francis Bacon	Northeast Natural Energy, LLC	12.5% or Greater	1647	569
R	WV-061-004235-008	Evelyn Irene Davis Roach	Northeast Natural Energy, LLC	12.5% or Greater	1601	465
R	WV-061-004235-007	Doreatha Lee Bowen Busteed	Northeast Natural Energy, LLC	12.5% or Greater	1600	296
R	WV-061-004235-010	James Bowen	Northeast Natural Energy, LLC	12.5% or Greater	1601	462
R	WV-061-004235-009	Harlan Oscar Bowen	Northeast Natural Energy, LLC	12.5% or Greater	1600	626
R	WV-061-004235-012	Faye Delores Brown Bowen	Northeast Natural Energy, LLC	12.5% or Greater	1601	737
R	WV-061-004235-013	Anthony Allen Bowen	Northeast Natural Energy, LLC	12.5% or Greater	1601	740
R	WV-061-004235-026	Barbara Jean Alcaraz	Northeast Natural Energy, LLC	12.5% or Greater	1671	343
R	WV-061-004235-014	Guy William Bowen, Sr.	Northeast Natural Energy, LLC	12.5% or Greater	1601	742
R	WV-061-004235-015	Elizabeth Ruth Bowen	Northeast Natural Energy, LLC	12.5% or Greater	1601	745
R	WV-061-004235-016	Clifton Earl Bowen	Northeast Natural Energy, LLC	12.5% or Greater	1605	678
R	WV-061-004235-017	Darrell Allen Bowen	Northeast Natural Energy, LLC	12.5% or Greater	1605	680
R	WV-061-005479-002	Peggy Sue Meschonat	Northeast Natural Energy, LLC	12.5% or Greater	1662	729
R	WV-061-005479-001	Warren S. Floyd	Northeast Natural Energy, LLC	12.5% or Greater	1647	177
R	WV-061-004235-006	Michael John Eddy	Northeast Natural Energy, LLC	12.5% or Greater	1572	229
R	WV-061-004235-004	James Edward Eddy	Northeast Natural Energy, LLC	12.5% or Greater	1570	719
R	WV-061-004235-006	Natalie Ann Eddy	Northeast Natural Energy, LLC	12.5% or Greater	1572	229
R	WV-061-004235-004	Ronda Sullivan Eddy	Northeast Natural Energy, LLC	12.5% or Greater	1570	719
S	WV-061-004504-001	Zachary B. Johnson and Della M. Johnson	Northeast Natural Energy, LLC	12.5% or Greater	1587	274

4706101868

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S	WV-061-004235-026	Barbara Jean Dorsen Alcaraz	Northeast Natural Energy, LLC	12.5% or Greater	1671	343
S	WV-061-004235-008	Evelyn Irene Davis Roach	Northeast Natural Energy, LLC	12.5% or Greater	1601	465
S	WV-061-004235-007	Doreatha Lee Bowen Busteed	Northeast Natural Energy, LLC	12.5% or Greater	1600	296
S	WV-061-004235-008	Mildred Marie Hale	Northeast Natural Energy, LLC	12.5% or Greater	1600	624
S	WV-061-004235-022	James Ray Gage	Northeast Natural Energy, LLC	12.5% or Greater	1643	102
S	WV-061-004235-024	Carol Graham	Northeast Natural Energy, LLC	12.5% or Greater	1650	151
S	WV-061-004235-023	Laurna Francis Bacon	Northeast Natural Energy, LLC	12.5% or Greater	1647	569
S	WV-061-004235-010	James Bowen	Northeast Natural Energy, LLC	12.5% or Greater	1601	462
S	WV-061-004235-009	Harlan Oscar Bowen	Northeast Natural Energy, LLC	12.5% or Greater	1600	626
S	WV-061-004235-012	Faye Delores Brown Bowen	Northeast Natural Energy, LLC	12.5% or Greater	1601	737
S	WV-061-004235-013	Anthony Allen Bowen	Northeast Natural Energy, LLC	12.5% or Greater	1601	740
S	WV-061-004235-014	The Guy W. Bowen Sr. and Lora J. Bowen Trust	Northeast Natural Energy, LLC	12.5% or Greater	1601	742
S	WV-061-004235-015	Alice Renee Bowen	Northeast Natural Energy, LLC	12.5% or Greater	1601	745
S	WV-061-004235-016	Clifton Earl Bowen	Northeast Natural Energy, LLC	12.5% or Greater	1605	678
S	WV-061-004235-017	Darrell Allen Bowen	Northeast Natural Energy, LLC	12.5% or Greater	1605	680
S	WV-061-004235-006	Michael J. Eddy	Northeast Natural Energy, LLC	12.5% or Greater	1572	229
S	WV-061-004235-004	James Edward Eddy	Northeast Natural Energy, LLC	12.5% or Greater	1570	719
S	WV-061-004235-004	Ronda Sullivan Eddy	Northeast Natural Energy, LLC	12.5% or Greater	1570	719
S	WV-061-004235-006	Natalie Eddy	Northeast Natural Energy, LLC	12.5% or Greater	1572	229

RECEIVED
Office of
AF
W
Environmental

4706101868

Permit Modification

Received date: 4/21/21

Well Name: 2H

Operator: NNE

API: 4706101868

Pad Name: BUNEE

	MODIFIED PERMIT	ORIGINAL PERMIT
TVD	8027	8024
TMD	24270	22476
HL	15676	13928
FW	✓	150, 1100
SW	✓	1500, 2180
COAL	✓	416, 553, 814, 919
CONDUCTOR	✓	100
FRESHWATER	✓	1230
INTERMEDIATE 1	✓	2530
INTERMEDIATE 2		_____
PRODUCTION	24270	22476

Notes: Orig A-N leases
mod A-S
5 new leases
