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west virginia department of environmental protection

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

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

Friday, April 24, 2020  
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 LEMLEY 9H  
47-061-01845-00-00

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

A handwritten signature in blue ink, appearing to read 'James A. Martin', is written over a faint, larger version of the signature.

Operator's Well Number: LEMLEY 9H  
Farm Name: CLARENCE W. LEMLEY JR. & CHARLOTTE E. LEMLEY  
U.S. WELL NUMBER: 47-061-01845-00-00  
Horizontal 6A New Drill  
Date Modification Issued: 4/24/2020

Promoting a healthy environment.

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: 9H Well Pad Name: Lemley

3) Farm Name/Surface Owner: Clarence W Jr & Charlotte E Lemley Public Road Access: State Route 22

4) Elevation, current ground: 1,560' Elevation, proposed post-construction: 1540'

5) Well Type (a) Gas  Oil  Underground Storage

Other

(b) If Gas Shallow  Deep

Horizontal

6) Existing Pad: Yes or No No *HJK 2/25/2020*

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):  
Marcellus; 8,206'; 53'; 3,600 psi

8) Proposed Total Vertical Depth: 8,206'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 18,731'

11) Proposed Horizontal Leg Length: 9,925'

12) Approximate Fresh Water Strata Depths: 50', 1,190'

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

14) Approximate Saltwater Depths: 2,361'; 2,511'

15) Approximate Coal Seam Depths: 501', 1,469'

16) Approximate Depth to Possible Void (coal mine, karst, other): N/A

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	94.71	40'	40'	GTS
Fresh Water	13-3/8"	New	J-55	54.5	1,290'	1,260'	CTS
Coal							
Intermediate	9-5/8"	New	J-55	36	2,591'	2,561'	CTS
Production	5-1/2"	New	P-110	20	18,731"	18,701'	4348 cu ft.
Tubing							
Liners							

*MGK 2/25/2020*

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"	38"	.375"	415		4,500 psi grout	NA
Fresh Water	13-3/8"	17-1/2"	.38"	2,760	2,000	Class A	1.23
Coal							
Intermediate	9-5/8"	12-1/4"	.352"	3,520	2,800	Class A	1.3
Production	5-1/2"	8-3/4"	.361"	12,530	9,700	50:50 poz	1.21
Tubing	2-7/8"	NA	.217"	10,570	3,600	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:

Drilling and completion of a horizontal Marcellus well. The well will be drilled on air to an approximate depth of 6,500 TVD/MD. The well will then be horizontally drilled on synthetic based mud from the KOP to approximately 8,206 TVD/18,731' MD along a 323° azimuth.

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

Multi-stage / high-rate slickwater fracture treatment using various size sands as proppant. First stage will be initiated via pressurization against a burst disc ran in the production casing string or perforated with coiled tubing. Subsequent stages will be perforated with pumped down guns ran on wireline. Individual stages will be isolated with composite frac plugs. Maximum pump rate during any stage will be 110 BPM with a maximum allowable surface pressure of 9,500 PSI. Composite bridge plugs will be set at the end of the last stage to isolate the treated formation.

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 23.73

22) Area to be disturbed for well pad only, less access road (acres): 8.39

23) Describe centralizer placement for each casing string:

Surface and intermediate casing strings will have bow spring centralizers placed every third joint (~120') from the shoe joint to surface. Production casing will have rigid body centralizers placed at a minimum of every fourth joint (~160') from TD to surface.

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 string will use a 25.0 bbls Gel Pill + LCM + 25 lbs Cello Flake + 20 lbs/bbl Bentonite @ 8.4 ppg & 10 bbls fresh water spacer prior to cement. Intermediate string will use a 25.0 bbls Gel Pill + LCM + 25 lbs Cello Flake + 20 lbs/bbl Bentonite @ 8.4 ppg & 10 bbls fresh water spacer prior to cement. Production string will use a 50.0 bbls SealBond 25 + 1 gal/bbl US-40 + 275 lbs/bbl Barite + 1 gal/bbl SS-2 Spacer @ 13.5 ppg prior to cement.

\*Note: Attach additional sheets as needed.

REGULATORY  
Oil and Gas  
February 2010  
Department of  
Environmental Protection



# NORTHEAST NATURAL ENERGY, LLC

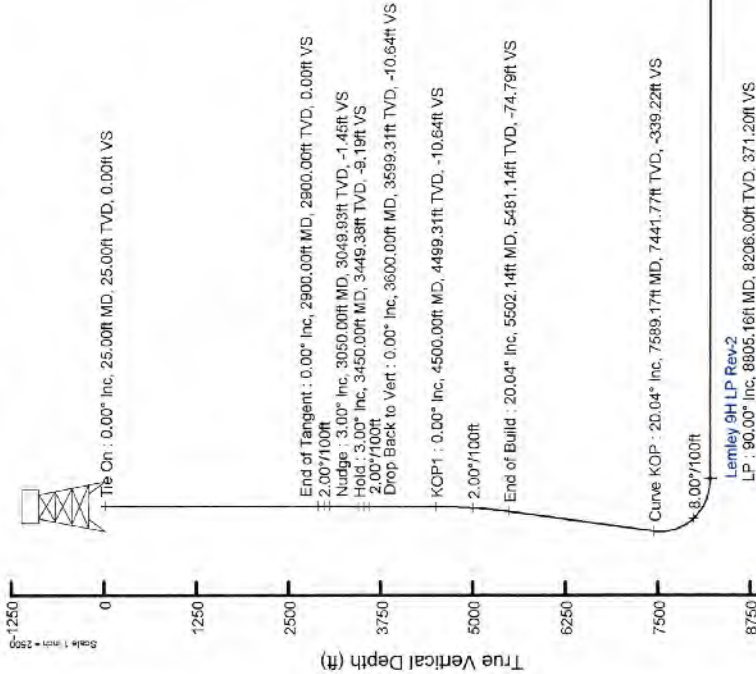
Location: Monongalia County, WV  
 Field: Monongalia  
 Facility: Lemley Pad

Slot: Slot 9H  
 Well: Lemley 9H  
 Wellbore: Lemley 9H PWB

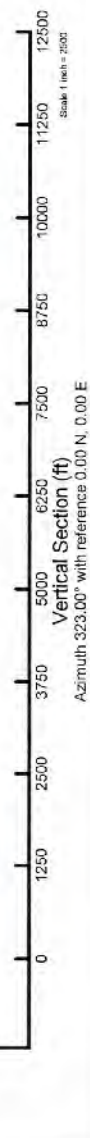
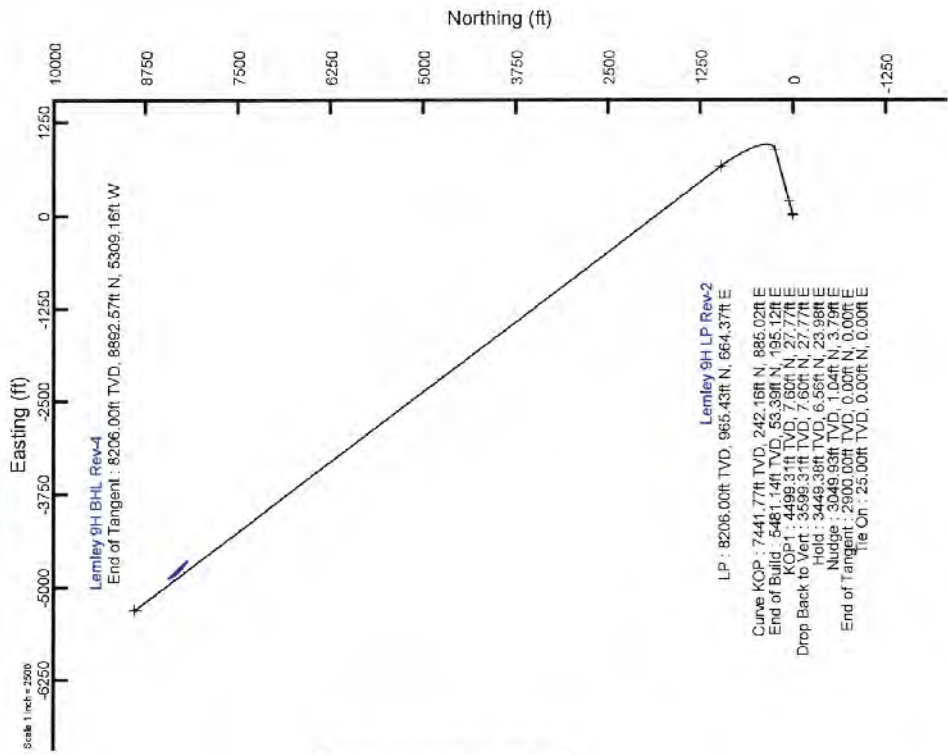
See reference wellbore Lemley 9H PWB 5142	Grid System: NAD83 / Lambert West Virginia SP / Northern Zone (70N) / US Foot
True vertical depths are referenced to Publication 334 (RKB)	North Reference: Grid north
Reference wellbore depths are referenced to Publication 334 (RKB)	Scale: True distance
Publication 334 (RKB) to Mean Sea Level 1559 feet	Coordinates are in feet unless noted to Slot
Mean Sea Level to Ground level (4.566' @ 0.00' N, 163.7' East)	Depth is in feet
Effective Earth Mils are referenced to each path's surface MD datum	Created by: athena on 2/20/2010, Database: 'NA_MPL_EASTERNUS_Data'



Casing Depths		
24" Conductor	13-3/8" Surface	9-5/8" Intermediate
40'	1290'	2561'

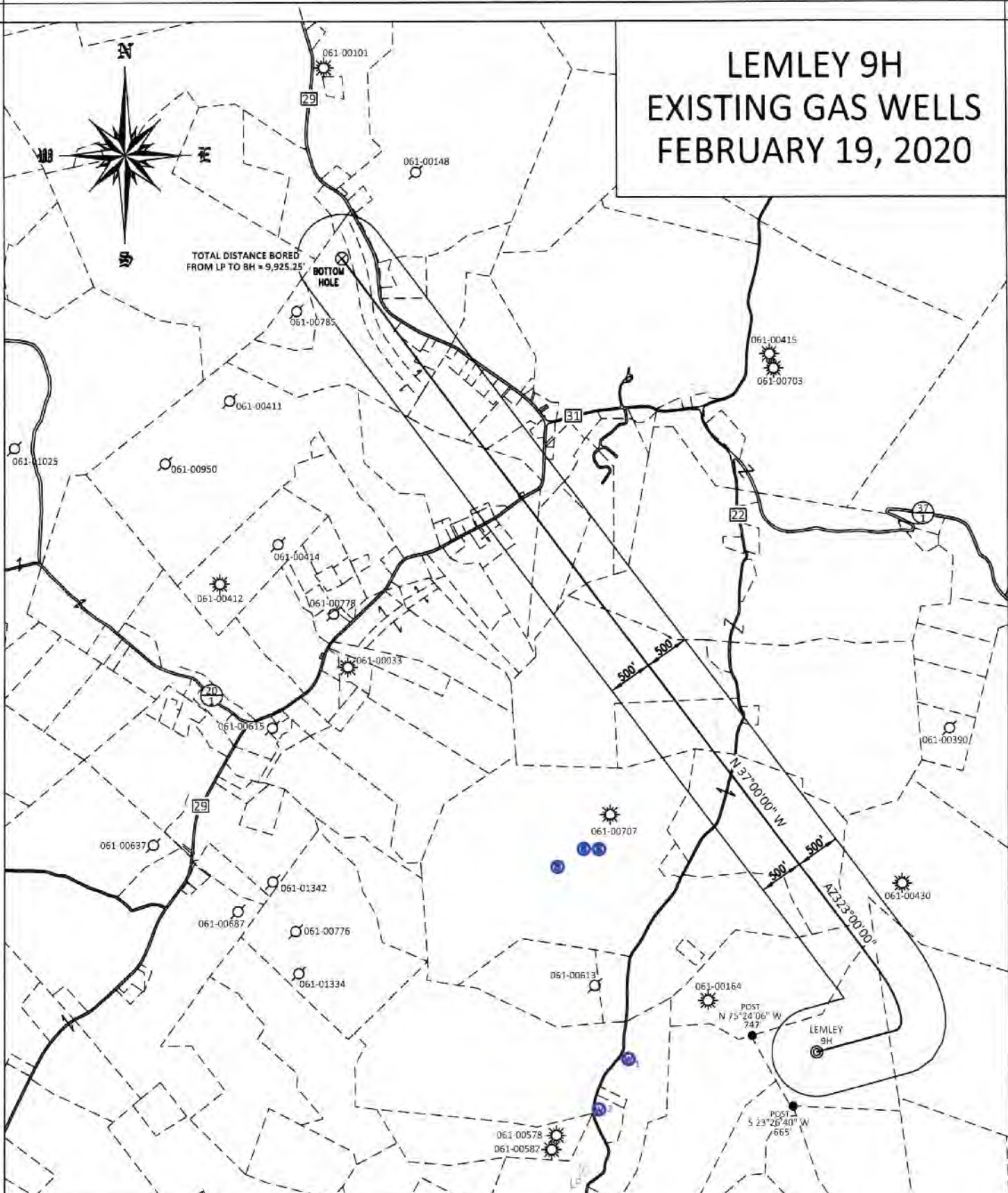


Formation	Depth (KBTVD)
Genesee	7890'
Tully	7937'
Hamilton	8019'
Upper Marcellus	8111.5'
Cherry Valley	8151.5'
Lower Marcellus	8156'
Onondaga	8221'



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# LEMLEY 9H EXISTING GAS WELLS FEBRUARY 19, 2020



SCALE: 1" = 1,500'



PEI 30 020  
Engineering Division



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

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

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

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

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

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

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

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

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WV Department of  
Environmental Protection



Tract	Lease Number	Grantor, Lessor, etc.	Grantor, Lessor, etc.	Royalty	Book	Page
A	WV-061-003525-001	TENNANT, LEROY	Northeast Natural Energy LLC	12.5% or Greater	1524	449
A	WV-061-003525-002	LOHR, LLOYD M	Northeast Natural Energy LLC	12.5% or Greater	1526	74
A	WV-061-003525-003	HICKMAN, LINDA	Northeast Natural Energy LLC	12.5% or Greater	1525	242
A	WV-061-003525-004	MALOTT, ROSE M.	Northeast Natural Energy LLC	12.5% or Greater	1525	250
A	WV-061-003525-007	TENNANT, SHIRLE	Northeast Natural Energy LLC	12.5% or Greater	1534	88
A	WV-061-003525-008	COSNER, SHEILA	Northeast Natural Energy LLC	12.5% or Greater	1534	86
A	WV-061-003525-009	EDDY, RONALD &	Northeast Natural Energy LLC	12.5% or Greater	1535	107
A	WV-061-003525-010	HENDERSON, WILL	Northeast Natural Energy LLC	12.5% or Greater	1536	622
A	WV-061-003525-011	HENDERSON, LARR	Northeast Natural Energy LLC	12.5% or Greater	1536	599
A	WV-061-003525-012	HENDERSON, ALPH	Northeast Natural Energy LLC	12.5% or Greater	1536	535
A	WV-061-003525-013	HENDERSON, JENN	Northeast Natural Energy LLC	12.5% or Greater	1566	289
A	WV-061-003525-014	HENDERSON, JESS	Northeast Natural Energy LLC	12.5% or Greater	1568	430
A	WV-061-003525-015	MCCARVER, STEPH	Northeast Natural Energy LLC	12.5% or Greater	1568	271
A	WV-061-003525-016	CHARVAT, SHAWNA	Northeast Natural Energy LLC	12.5% or Greater	1568	339
A	WV-061-003525-017	STOUT, MARGARET	Northeast Natural Energy LLC	12.5% or Greater	1569	269
A	WV-061-003525-018	TENNANT, DENZIL	Northeast Natural Energy LLC	12.5% or Greater	1569	244
A	WV-061-003525-019	VESELENAK, RONA	Northeast Natural Energy LLC	12.5% or Greater	1617	742
A	WV-061-003525-020	MCJESSY, JUDITH	Northeast Natural Energy LLC	12.5% or Greater	1617	744
A	WV-061-003525-021	CORE, CHARLES L	Northeast Natural Energy LLC	12.5% or Greater	1630	195
A	WV-061-003715-002	TYNER, CHRISTOP	Northeast Natural Energy LLC	12.5% or Greater	1554	828
A	WV-061-003715-003	DODD, NORA LOU	Northeast Natural Energy LLC	12.5% or Greater	1564	400
A	WV-061-004308-001	CORE, WILLIAM B	Northeast Natural Energy LLC	12.5% or Greater	1644	9
A	WV-061-004263-001	JENKINS, PAULA	Northeast Natural Energy LLC	12.5% or Greater	1645	348
A	WV-061-004264-001	MYERS, JUNE C.	Northeast Natural Energy LLC	12.5% or Greater	1571	548
A	WV-061-004267-001	CORE, BEVERLY J	Northeast Natural Energy LLC	12.5% or Greater	1571	578
B	WV-061-000126-001-LA	XTO ENERGY, INC.	Northeast Natural Energy LLC	12.5% or Greater	1659	451
C	WV-061-002339-006	STATLER, GARY	Northeast Natural Energy LLC	12.5% or Greater	1541	317
C	WV-061-002339-007	STATLER, RONALD	Northeast Natural Energy LLC	12.5% or Greater	1541	345
C	WV-061-002339-008	TENNANT, ARIETT	Northeast Natural Energy LLC	12.5% or Greater	1564	343
C	WV-061-002339-009	MCCORD, RONNIE	Northeast Natural Energy LLC	12.5% or Greater	1545	474
C	WV-061-002339-010	HOWARD, WILLA	Northeast Natural Energy LLC	12.5% or Greater	1545	476
C	WV-061-002339-011	HENDERSON, NELS	Northeast Natural Energy LLC	12.5% or Greater	1542	513
C	WV-061-002339-012	SCHIMMEL, JACQU	Northeast Natural Energy LLC	12.5% or Greater	1542	20
C	WV-061-002339-013	MCCORD, LAWRENC	Northeast Natural Energy LLC	12.5% or Greater	1542	12
C	WV-061-002339-014	CLEVENGER, DOUG	Northeast Natural Energy LLC	12.5% or Greater	1564	539
C	WV-061-002339-015	LORING, HOWARD	Northeast Natural Energy LLC	12.5% or Greater	1542	108
C	WV-061-002339-016	BRYAN, DIANA L	Northeast Natural Energy LLC	12.5% or Greater	1545	309
C	WV-061-002339-017	JACKSON, ALMA H	Northeast Natural Energy LLC	12.5% or Greater	1541	840
C	WV-061-002339-018	LEWIS, RACHEL L	Northeast Natural Energy LLC	12.5% or Greater	1566	291
C	WV-061-002339-019	CLEVENGER, LUC	Northeast Natural Energy LLC	12.5% or Greater	1541	818
C	WV-061-002339-020	STATLER, CLAREN	Northeast Natural Energy LLC	12.5% or Greater	1541	826
C	WV-061-002339-021	MYERS, DEBORAH	Northeast Natural Energy LLC	12.5% or Greater	1550	575
C	WV-061-002339-022	WALLS, DEVON	Northeast Natural Energy LLC	12.5% or Greater	1545	435
C	WV-061-002339-023	CORDER, DENNY R	Northeast Natural Energy LLC	12.5% or Greater	1545	336
C	WV-061-002339-024	CORDER, DANNY O	Northeast Natural Energy LLC	12.5% or Greater	1545	334
C	WV-061-002339-025	MARIETTA, ANGEL	Northeast Natural Energy LLC	12.5% or Greater	1545	344
C	WV-061-002339-026	TENNANT, SHEILA	Northeast Natural Energy LLC	12.5% or Greater	1545	319
C	WV-061-002339-027	ARNETT, PAMELA	Northeast Natural Energy LLC	12.5% or Greater	1545	317
C	WV-061-002339-028	VARNER, DONNA	Northeast Natural Energy LLC	12.5% or Greater	1545	480
C	WV-061-002339-029	DEVINE, JOHN	Northeast Natural Energy LLC	12.5% or Greater	1545	464
C	WV-061-002339-030	EISEMAN, JILL D	Northeast Natural Energy LLC	12.5% or Greater	1566	293
C	WV-061-002339-031	ZUCHINSKI, NORM	Northeast Natural Energy LLC	12.5% or Greater	1545	313
C	WV-061-002339-032	MOORE, AMBER G	Northeast Natural Energy LLC	12.5% or Greater	1545	802
C	WV-061-002339-033	RUSH, RICHARD W	Northeast Natural Energy LLC	12.5% or Greater	1545	462
C	WV-061-002339-034	SHRIVER, JODIE	Northeast Natural Energy LLC	12.5% or Greater	1564	537
C	WV-061-002339-035	STATLER, JAMES	Northeast Natural Energy LLC	12.5% or Greater	1566	479
C	WV-061-002339-036	MCCARTNEY, ANNA	Northeast Natural Energy LLC	12.5% or Greater	1564	390
C	WV-061-002339-037	CORDER, DARRELL	Northeast Natural Energy LLC	12.5% or Greater	1565	420
C	WV-061-002339-038	BERRY, PRUDENCE	Northeast Natural Energy LLC	12.5% or Greater	1565	507
C	WV-061-002339-039	VOITHOFER, PAUL	Northeast Natural Energy LLC	12.5% or Greater	1551	105
C	WV-061-002339-040	WHITE, LINDA LO	Northeast Natural Energy LLC	12.5% or Greater	1551	107
C	WV-061-002339-041	WALLS, DENZIL M	Northeast Natural Energy LLC	12.5% or Greater	1558	837
C	WV-061-002339-042	WALLS, DONZEL B	Northeast Natural Energy LLC	12.5% or Greater	1565	647
C	WV-061-002339-043	WALLS, DANIEL E	Northeast Natural Energy LLC	12.5% or Greater	1567	825
C	WV-061-002339-044	MCMAHON, MARGIE	Northeast Natural Energy LLC	12.5% or Greater	1564	719
C	WV-061-002339-045	WALLS, DELMER J	Northeast Natural Energy LLC	12.5% or Greater	1564	734
C	WV-061-002339-046	WALLS, ELIZABET	Northeast Natural Energy LLC	12.5% or Greater	1566	61
C	WV-061-002339-047	WALLS, TABITHA	Northeast Natural Energy LLC	12.5% or Greater	1568	3
C	WV-061-002339-048	HENDERSON, WAYN	Northeast Natural Energy LLC	12.5% or Greater	1560	55
C	WV-061-002339-049	ANASTASIADIS,	Northeast Natural Energy LLC	12.5% or Greater	1568	396
C	WV-061-002339-050	MOORE, LINDA A	Northeast Natural Energy LLC	12.5% or Greater	1582	45
C	WV-061-002339-051	O'LEARY, JESSIC	Northeast Natural Energy LLC	12.5% or Greater	1584	772
C	WV-061-002339-052	FREEMAN, BRENDA	Northeast Natural Energy LLC	12.5% or Greater	1593	442



Tract	Lease Number	Grantor, Lessor, etc.	Grantor, Lessor, etc.	Royalty	Book	Page
C	WV-061-002339-053	JOHNSON, LUCILL	Northeast Natural Energy LLC	12.5% or Greater	1619	26
C	WV-061-002339-054	POLING, GARY C.	Northeast Natural Energy LLC	12.5% or Greater	1619	192
C	WV-061-002339-055	POLING, LESTER	Northeast Natural Energy LLC	12.5% or Greater	1619	201
C	WV-061-002339-056	POLING, DONALD	Northeast Natural Energy LLC	12.5% or Greater	1619	207
C	WV-061-002339-057	COX, SHERRY L	Northeast Natural Energy LLC	12.5% or Greater	1619	216
C	WV-061-002339-058	DEVINE, GILBERT	Northeast Natural Energy LLC	12.5% or Greater	1638	174
C	WV-061-002339-059	TRADER, JOSEPH	Northeast Natural Energy LLC	12.5% or Greater	1637	575
C	WV-061-002339-060	TRADER, DAVID	Northeast Natural Energy LLC	12.5% or Greater	1637	577
C	WV-061-002339-061	TRADER, EDWARD	Northeast Natural Energy LLC	12.5% or Greater	1637	579
C	WV-061-002339-062	COPEN, BARBARA	Northeast Natural Energy LLC	12.5% or Greater	1637	581
C	WV-061-002339-063	POLING, LARRY	Northeast Natural Energy LLC	12.5% or Greater	1642	805
C	WV-061-002339-064	BROOKOVER, PAUL	Northeast Natural Energy LLC	12.5% or Greater	1643	539
C	WV-061-002339-065	STATLER, NELSON	Northeast Natural Energy LLC	12.5% or Greater	1643	537
C	WV-061-002339-066	STATLER, JOSEPH	Northeast Natural Energy LLC	12.5% or Greater	1643	404
C	WV-061-002339-067	CHISLER FAMILY	Northeast Natural Energy LLC	12.5% or Greater	1643	237
C	WV-061-002339-068	STATLER, GARY A	Northeast Natural Energy LLC	12.5% or Greater	1643	176
C	WV-061-002339-069	MORRIS, LINDA S	Northeast Natural Energy LLC	12.5% or Greater	1643	174
C	WV-061-002339-070	KING, SHARON	Northeast Natural Energy LLC	12.5% or Greater	1643	172
C	WV-061-002339-071	MORRIS, ANDREW	Northeast Natural Energy LLC	12.5% or Greater	1646	535
C	WV-061-002339-072	KISNER, PHILLIP	Northeast Natural Energy LLC	12.5% or Greater	1646	544
C	WV-061-002339-073	JOHNSON, ASHLEY	Northeast Natural Energy LLC	12.5% or Greater	1646	548
C	WV-061-002339-074	TENNANT, CHA ET	Northeast Natural Energy LLC	12.5% or Greater	1643	788
C	WV-061-002339-075	STATLER, ROB ET	Northeast Natural Energy LLC	12.5% or Greater	1650	70
C	WV-061-002339-076	STATLER, JOHN R	Northeast Natural Energy LLC	12.5% or Greater	1652	272
C	WV-061-002339-077	STATLER, HAROLD	Northeast Natural Energy LLC	12.5% or Greater	1654	86
C	WV-061-002339-078	MALONE, BEVERLY	Northeast Natural Energy LLC	12.5% or Greater	1657	296
C	WV-061-002339-079	HOVATTER, ANTON	Northeast Natural Energy LLC	12.5% or Greater	1660	394
C	WV-061-002503-002	KETCHEM, JOYCE	Chesapeake Appalachia, L.L.C.	12.5% or Greater	1421	385
C	WV-061-002503-002	Chesapeake Appalachia, L.L.C.	Northeast Natural Energy LLC	12.5% or Greater	120	769
C	WV-061-002503-003	VARNER, JOY	Chesapeake Appalachia, L.L.C.	12.5% or Greater	1421	398
C	WV-061-002503-003	Chesapeake Appalachia, L.L.C.	Northeast Natural Energy LLC	12.5% or Greater	120	769
C	WV-061-002503-004	KING, CHRISTINA	Chesapeake Appalachia, L.L.C.	12.5% or Greater	1421	394
C	WV-061-002503-004	Chesapeake Appalachia, L.L.C.	Northeast Natural Energy LLC	12.5% or Greater	120	769
C	WV-061-002503-005	BANE, JANET	Chesapeake Appalachia, L.L.C.	12.5% or Greater	1421	359
C	WV-061-002503-005	Chesapeake Appalachia, L.L.C.	Northeast Natural Energy LLC	12.5% or Greater	120	769
C	WV-061-003682-001	ASHCRAFT, JAMES	Northeast Natural Energy LLC	12.5% or Greater	1547	801
C	WV-061-003682-002	ASHCRAFT, RICKY	Northeast Natural Energy LLC	12.5% or Greater	1548	262
C	WV-061-003682-003	CRANE, SHIRLEY	Northeast Natural Energy LLC	12.5% or Greater	1545	778
C	WV-061-003682-004	ASHCRAFT, DUSTI	Northeast Natural Energy LLC	12.5% or Greater	1548	258
C	WV-061-003682-005	ASHCRAFT, DAYTO	Northeast Natural Energy LLC	12.5% or Greater	1545	782
C	WV-061-003682-006	ASHCRAFT, JOHN	Northeast Natural Energy LLC	12.5% or Greater	1545	328
C	WV-061-003682-007	ASHCRAFT, CHARL	Northeast Natural Energy LLC	12.5% or Greater	1550	367
C	WV-061-003860-001	SHUMAN, INC.	Northeast Natural Energy LLC	12.5% or Greater	1551	101
C	WV-061-004155-001	NEW AUGUSTA INC	Northeast Natural Energy LLC	12.5% or Greater	1565	671
C	WV-061-004270-001	WILLIAMS, LORET	Northeast Natural Energy LLC	12.5% or Greater	1571	535
C	WV-061-004461-001	HOVATTER, DENNI	Northeast Natural Energy LLC	12.5% or Greater	1586	444
C	WV-061-004461-002	WEST VIRGINIA U	Northeast Natural Energy LLC	12.5% or Greater	1586	556
C	WV-061-004461-003	KENYON, BARB ET	Northeast Natural Energy LLC	12.5% or Greater	1588	842
C	WV-061-004461-004	HENDERSON, ALLE	Northeast Natural Energy LLC	12.5% or Greater	1588	845
C	WV-061-004461-005	HENDERSON, JERR	Northeast Natural Energy LLC	12.5% or Greater	1588	848
C	WV-061-004461-006	FLETCHER, PATRI	Northeast Natural Energy LLC	12.5% or Greater	1589	9
C	WV-061-004461-007	SCHLEGEL, BONNI	Northeast Natural Energy LLC	12.5% or Greater	1589	12
C	WV-061-004461-008	ZICKEFOOSE, EDN	Northeast Natural Energy LLC	12.5% or Greater	1589	15
C	WV-061-004461-009	KOVALSKY, SHIRL	Northeast Natural Energy LLC	12.5% or Greater	1589	18
C	WV-061-004461-010	FRYE, CATHY	Northeast Natural Energy LLC	12.5% or Greater	1589	21
C	WV-061-004461-011	SWENK, SALLY JO	Northeast Natural Energy LLC	12.5% or Greater	1605	102
C	WV-061-004461-012	SCHULTZ, GEORGE	Northeast Natural Energy LLC	12.5% or Greater	1605	105
C	WV-061-004461-013	RICKS, MARY E	Northeast Natural Energy LLC	12.5% or Greater	1606	649
C	WV-061-004461-014	LEKSELL, DEBORA	Northeast Natural Energy LLC	12.5% or Greater	1610	468
C	WV-061-004461-015	SCHULTZ, JEFFRE	Northeast Natural Energy LLC	12.5% or Greater	1606	653
C	WV-061-004461-016	WREN, SUZANNE	Northeast Natural Energy LLC	12.5% or Greater	1606	656
C	WV-061-004461-017	WELLS, STACEY	Northeast Natural Energy LLC	12.5% or Greater	1606	669
C	WV-061-004461-018	WELLS, ROBERT S	Northeast Natural Energy LLC	12.5% or Greater	1606	672
C	WV-061-004461-020	BREWER, PATRICI	Northeast Natural Energy LLC	12.5% or Greater	1617	776
C	WV-061-004461-021	LEWIS, JAMES	Northeast Natural Energy LLC	12.5% or Greater	1617	799
C	WV-061-004461-022	LASKODY, PAMELA	Northeast Natural Energy LLC	12.5% or Greater	1617	801
C	WV-061-004461-023	SCHEUCH, JENNIF	Northeast Natural Energy LLC	12.5% or Greater	1617	803
C	WV-061-004461-024	STATLER, GREGOR	Northeast Natural Energy LLC	12.5% or Greater	1620	429
C	WV-061-004461-025	STATLER, JAMES	Northeast Natural Energy LLC	12.5% or Greater	1620	431
C	WV-061-004461-026	STATLER, MICHEL	Northeast Natural Energy LLC	12.5% or Greater	1620	433
C	WV-061-004461-027	STATLER, RON ET	Northeast Natural Energy LLC	12.5% or Greater	1620	435
C	WV-061-004461-028	STATLER, MARY L	Northeast Natural Energy LLC	12.5% or Greater	1630	257
C	WV-061-004461-029	HOVATTER, LINDA	Northeast Natural Energy LLC	12.5% or Greater	1638	259



Tract	Lease Number	Grantor, Lessor, etc.	Grantor, Lessor, etc.	Royalty	Book	Page
C	WV-061-004461-030	STATLER, KENNET	Northeast Natural Energy LLC	12.5% or Greater	1636	281
C	WV-061-004461-031	MORRIS, GENEVIE	Northeast Natural Energy LLC	12.5% or Greater	1643	533
C	WV-061-004461-032	SMITH, KATHLEEN	Northeast Natural Energy LLC	12.5% or Greater	1637	827
C	WV-061-004461-033	MCCONAHAY, KEIT	Northeast Natural Energy LLC	12.5% or Greater	1637	829
C	WV-061-004461-034	HOPPER, DANIELL	Northeast Natural Energy LLC	12.5% or Greater	1637	831
C	WV-061-004461-035	SAYLOR, DEBORA	Northeast Natural Energy LLC	12.5% or Greater	1637	833
C	WV-061-004461-036	PATTERSON, T ET	Northeast Natural Energy LLC	12.5% or Greater	1643	726
C	WV-061-004461-037	CURTIS, MARY	Northeast Natural Energy LLC	12.5% or Greater	1641	847
C	WV-061-004461-038	FLUHARTY, DIANN	Northeast Natural Energy LLC	12.5% or Greater	1638	524
C	WV-061-004461-039	REDMAN, MARY E	Northeast Natural Energy LLC	12.5% or Greater	1638	512
C	WV-061-004461-040	STATLER, RICHAR	Northeast Natural Energy LLC	12.5% or Greater	1640	581
C	WV-061-004461-041	STATLER, ROBERT	Northeast Natural Energy LLC	12.5% or Greater	1641	350
C	WV-061-004461-042	WALTERS, MARY	Northeast Natural Energy LLC	12.5% or Greater	1641	352
C	WV-061-004461-043	LORD, LISA ETV	Northeast Natural Energy LLC	12.5% or Greater	1642	368
C	WV-061-004461-044	SHAHAN, MICHAEL	Northeast Natural Energy LLC	12.5% or Greater	1642	370
C	WV-061-004461-045	PRICHARD, JOHN	Northeast Natural Energy LLC	12.5% or Greater	1643	535
C	WV-061-004461-046	WARMAN, SHIRLEY	Northeast Natural Energy LLC	12.5% or Greater	1643	447
C	WV-061-004461-047	MOONEY, NORMA E	Northeast Natural Energy LLC	12.5% or Greater	1643	449
C	WV-061-004461-048	WARMAN, WILLIAM	Northeast Natural Energy LLC	12.5% or Greater	1643	451
C	WV-061-004461-049	PRICHARD TRUST	Northeast Natural Energy LLC	12.5% or Greater	1643	100
C	WV-061-004461-050	KERNS, LINDA S	Northeast Natural Energy LLC	12.5% or Greater	1643	10
C	WV-061-004461-051	RUSSELL, REBECC	Northeast Natural Energy LLC	12.5% or Greater	1649	760
C	WV-061-004461-052	PAULY, PAULA ET	Northeast Natural Energy LLC	12.5% or Greater	1647	427
C	WV-061-004461-053	STATLER, HELEN	Northeast Natural Energy LLC	12.5% or Greater	1647	507
C	WV-061-004461-054	KELLEY, NANCY A	Northeast Natural Energy LLC	12.5% or Greater	1647	509
C	WV-061-004461-055	BRAND, HAZEL K	Northeast Natural Energy LLC	12.5% or Greater	1647	511
C	WV-061-004461-056	LEWIS, LORETTA	Northeast Natural Energy LLC	12.5% or Greater	1647	513
C	WV-061-004461-057	LEWIS, LISA K.	Northeast Natural Energy LLC	12.5% or Greater	1647	515
C	WV-061-004461-058	LEWIS, LENA F.	Northeast Natural Energy LLC	12.5% or Greater	1647	517
C	WV-061-004461-059	PHILLIPS, R ET	Northeast Natural Energy LLC	12.5% or Greater	1647	519
C	WV-061-004461-060	HOVATTER, SHARO	Northeast Natural Energy LLC	12.5% or Greater	1649	165
C	WV-061-004461-061	EVANS, PAMELA K	Northeast Natural Energy LLC	12.5% or Greater	1647	765
C	WV-061-004461-062	STATLER, PATRIC	Northeast Natural Energy LLC	12.5% or Greater	1648	237
C	WV-061-004461-063	STATLER, JAMES	Northeast Natural Energy LLC	12.5% or Greater	1648	239
C	WV-061-004461-064	MOREHEAD, LAURA	Northeast Natural Energy LLC	12.5% or Greater	1650	171
C	WV-061-004461-065	CZAKO, LENORA A	Northeast Natural Energy LLC	12.5% or Greater	1650	173
C	WV-061-004461-066	FOLKENS, DOUGLA	Northeast Natural Energy LLC	12.5% or Greater	1650	175
C	WV-061-004461-067	WILLIS, ROLLEY	Northeast Natural Energy LLC	12.5% or Greater	1651	139
C	WV-061-004461-068	MORRIS, BARBARA	Northeast Natural Energy LLC	12.5% or Greater	1650	179
C	WV-061-004461-069	VIETS, ELLEN C	Northeast Natural Energy LLC	12.5% or Greater	1650	181
C	WV-061-004461-070	VIETS, LLOYD O	Northeast Natural Energy LLC	12.5% or Greater	1650	183
C	WV-061-004461-071	DURBIN, WILDA J	Northeast Natural Energy LLC	12.5% or Greater	1653	171
C	WV-061-004461-072	MILLER, WILMA J	Northeast Natural Energy LLC	12.5% or Greater	1654	329
C	WV-061-004461-073	MAIN, GEORGE M	Northeast Natural Energy LLC	12.5% or Greater	1653	173
C	WV-061-004461-074	ZAPPI, ALICE M	Northeast Natural Energy LLC	12.5% or Greater	1653	175
C	WV-061-004461-075	BELL, BARBARA A	Northeast Natural Energy LLC	12.5% or Greater	1653	177
C	WV-061-004461-076	TEASDALE, KYLE	Northeast Natural Energy LLC	12.5% or Greater	1653	559
C	WV-061-004461-077	TEASDALE, DANYA	Northeast Natural Energy LLC	12.5% or Greater	1653	561
C	WV-061-004461-078	MAIN, KEANITH P	Northeast Natural Energy LLC	12.5% or Greater	1653	563
C	WV-061-004461-079	BRIGGS, HARRIET	Northeast Natural Energy LLC	12.5% or Greater	1654	331
C	WV-061-004461-080	EASTHAM, LINDA	Northeast Natural Energy LLC	12.5% or Greater	1655	607
C	WV-061-004461-081	KELLEY, PAUL R.	Northeast Natural Energy LLC	12.5% or Greater	1655	609
C	WV-061-004535-001	HALL, CHERYL L	Northeast Natural Energy LLC	12.5% or Greater	1591	509
C	WV-061-004535-002	HALL, LUCINDA	Northeast Natural Energy LLC	12.5% or Greater	1591	520
C	WV-061-004535-003	HALL, TAMARA L	Northeast Natural Energy LLC	12.5% or Greater	1591	513
C	WV-061-005201-001	STATLER, KIMBER	Northeast Natural Energy LLC	12.5% or Greater	1628	560
C	WV-061-005201-002	BOYCE, BEVERLY	Northeast Natural Energy LLC	12.5% or Greater	1628	562
C	WV-061-005201-003	ASH, SUSAN	Northeast Natural Energy LLC	12.5% or Greater	1628	564
C	WV-061-005201-004	STATLER, DEBORA	Northeast Natural Energy LLC	12.5% or Greater	1628	566
C	WV-061-005481-001	CNX GAS COMPANY	Northeast Natural Energy LLC	12.5% or Greater	1645	152
D	WV-061-003860-001	SHUMAN, INC.	Northeast Natural Energy LLC	12.5% or Greater	1551	101
E	WV-061-003763-001	BAUGHMAN, MARCE	Northeast Natural Energy LLC	12.5% or Greater	1545	466
E	WV-061-003763-003	STATLER, PATRIC	Northeast Natural Energy LLC	12.5% or Greater	1564	517
E	WV-061-003763-004	JOHNSON, PHYLLI	Northeast Natural Energy LLC	12.5% or Greater	1545	792
E	WV-061-003763-005	BRUNETT-SANDRID	Northeast Natural Energy LLC	12.5% or Greater	1566	747
E	WV-061-003763-006	KENNEDY, ANNA J	Northeast Natural Energy LLC	12.5% or Greater	1566	673
E	WV-061-003763-007	STOKES, NANCY	Northeast Natural Energy LLC	12.5% or Greater	1566	675
E	WV-061-003763-008	JOHNSON, ZOA R	Northeast Natural Energy LLC	12.5% or Greater	1565	426
E	WV-061-003763-009	JOHNSON, MELVIN	Northeast Natural Energy LLC	12.5% or Greater	1564	535
E	WV-061-003763-010	MCCARTY FAMILY	Northeast Natural Energy LLC	12.5% or Greater	1566	571
E	WV-061-003763-011	SHIPLEY, STEPH	Northeast Natural Energy LLC	12.5% or Greater	1564	713
E	WV-061-003763-012	AMMONS, BUDDY B	Northeast Natural Energy LLC	12.5% or Greater	1565	659
E	WV-061-003763-013	MOORE, CARL W.	Northeast Natural Energy LLC	12.5% or Greater	1565	661



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E	WV-061-003763-014	HUGGINS, ROSE M	Northeast Natural Energy LLC	12.5% or Greater	1565	659
E	WV-061-003763-015	AMMONS, DELBERT	Northeast Natural Energy LLC	12.5% or Greater	1564	711
E	WV-061-003763-016	STEWART, PAUL T	Northeast Natural Energy LLC	12.5% or Greater	1562	209
E	WV-061-003763-017	STEWART, EARL W	Northeast Natural Energy LLC	12.5% or Greater	1562	207
E	WV-061-003763-018	ARMSTRONG, JAME	Northeast Natural Energy LLC	12.5% or Greater	1568	71
E	WV-061-003763-019	AMMONS, RONALD	Northeast Natural Energy LLC	12.5% or Greater	1568	65
E	WV-061-003763-020	BROMHAL, BEVERL	Northeast Natural Energy LLC	12.5% or Greater	1568	97
E	WV-061-003763-021	JOHNSON, MARY L	Northeast Natural Energy LLC	12.5% or Greater	1568	20
E	WV-061-003763-022	HALL, MELVIN G.	Northeast Natural Energy LLC	12.5% or Greater	1565	299
E	WV-061-003763-023	CALTRIDER, ROSE	Northeast Natural Energy LLC	12.5% or Greater	1568	63
E	WV-061-003763-024	DARRAH, DEBBIE	Northeast Natural Energy LLC	12.5% or Greater	1568	67
E	WV-061-003763-025	HALL, DAVID JAR	Northeast Natural Energy LLC	12.5% or Greater	1568	73
E	WV-061-003763-026	JOHNSON, JAMES	Northeast Natural Energy LLC	12.5% or Greater	1568	59
E	WV-061-003763-027	JOHNSON, JOHN R	Northeast Natural Energy LLC	12.5% or Greater	1568	89
E	WV-061-003763-028	JOHNSON, JACK J	Northeast Natural Energy LLC	12.5% or Greater	1566	204
E	WV-061-003763-029	STEWART, GRANT	Northeast Natural Energy LLC	12.5% or Greater	1566	519
E	WV-061-003763-030	GASKILL, PAULIN	Northeast Natural Energy LLC	12.5% or Greater	1566	521
E	WV-061-003763-031	TENNANT, ARIETT	Northeast Natural Energy LLC	12.5% or Greater	1565	649
E	WV-061-003763-032	STATLER, RONALD	Northeast Natural Energy LLC	12.5% or Greater	1568	75
E	WV-061-003763-033	STATLER, GARY D	Northeast Natural Energy LLC	12.5% or Greater	1564	384
E	WV-061-003763-034	HALL, BETTY K	Northeast Natural Energy LLC	12.5% or Greater	1600	161
E	WV-061-003763-035	SPITZNOGLGE, ALI	Northeast Natural Energy LLC	12.5% or Greater	1601	735
E	WV-061-003763-036	DEMOSS, GARY L.	Northeast Natural Energy LLC	12.5% or Greater	1611	3
E	WV-061-003763-037	ATKINS, GREGORY	Northeast Natural Energy LLC	12.5% or Greater	1611	5
E	WV-061-003763-038	WILLARD, WANDA	Northeast Natural Energy LLC	12.5% or Greater	1611	7
E	WV-061-003763-039	BATSON, JACKIE	Northeast Natural Energy LLC	12.5% or Greater	1611	9
E	WV-061-003763-040	BRIGGS, KENNETH	Northeast Natural Energy LLC	12.5% or Greater	1611	11
E	WV-061-003763-041	VARNER, DONNA	Northeast Natural Energy LLC	12.5% or Greater	1611	656
E	WV-061-003763-042	RUSSELL, TERESA	Northeast Natural Energy LLC	12.5% or Greater	1611	658
E	WV-061-003763-043	BREWER, RUBY	Northeast Natural Energy LLC	12.5% or Greater	1612	254
E	WV-061-003763-044	HEDE, WALTER	Northeast Natural Energy LLC	12.5% or Greater	1614	526
E	WV-061-003763-045	HEDE, STEVE	Northeast Natural Energy LLC	12.5% or Greater	1616	363
E	WV-061-003763-046	ANTOL, JANET	Northeast Natural Energy LLC	12.5% or Greater	1615	763
E	WV-061-003763-047	WELLS, ALDA KAT	Northeast Natural Energy LLC	12.5% or Greater	1628	325
E	WV-061-003763-048	WELLS, WILDA V.	Northeast Natural Energy LLC	12.5% or Greater	1629	122
E	WV-061-003763-049	COLEMAN, BETH A	Northeast Natural Energy LLC	12.5% or Greater	1634	393
E	WV-061-003763-050	SPENCER, CORDEL	Northeast Natural Energy LLC	12.5% or Greater	1634	396
E	WV-061-003763-051	COLLINS, VANESS	Northeast Natural Energy LLC	12.5% or Greater	1634	399
E	WV-061-003763-052	PRICE, CHAD E	Northeast Natural Energy LLC	12.5% or Greater	1634	404
E	WV-061-003763-053	CRAMER, MELISSA	Northeast Natural Energy LLC	12.5% or Greater	1634	407
E	WV-061-003763-054	RAY, MICHAEL	Northeast Natural Energy LLC	12.5% or Greater	1634	410
E	WV-061-003763-055	HEDE, ROBERT	Northeast Natural Energy LLC	12.5% or Greater	1634	413
E	WV-061-003763-056	TALBOT, BYRON J	Northeast Natural Energy LLC	12.5% or Greater	1634	419
E	WV-061-003763-057	TALBOT, DWIGHT	Northeast Natural Energy LLC	12.5% or Greater	1634	429
E	WV-061-003763-058	WELLS, MARSHALL	Northeast Natural Energy LLC	12.5% or Greater	1638	198
E	WV-061-003763-059	SULLIVAN, OLIVI	Northeast Natural Energy LLC	12.5% or Greater	1643	790
E	WV-061-003763-060	FOURNET, LELIA	Northeast Natural Energy LLC	12.5% or Greater	1643	792
E	WV-061-003763-061	WELLS, DAVID LE	Northeast Natural Energy LLC	12.5% or Greater	135	639
E	WV-061-003763-062	ADAMS, MELANIE	Northeast Natural Energy LLC	12.5% or Greater	135	643
E	WV-061-003763-063	BRYAN COLLEGE	Northeast Natural Energy LLC	12.5% or Greater	135	647
E	WV-061-003763-064	WELLS, ADRIAN	Northeast Natural Energy LLC	12.5% or Greater	135	651
E	WV-061-004453-001	STONE, LUCINDA	Northeast Natural Energy LLC	12.5% or Greater	1584	817
E	WV-061-004453-002	KELSEY, SHERRY	Northeast Natural Energy LLC	12.5% or Greater	1584	819
E	WV-061-004453-003	KELSEY, KENNETH	Northeast Natural Energy LLC	12.5% or Greater	1584	821
E	WV-061-004453-004	BINNEY, ERIN	Northeast Natural Energy LLC	12.5% or Greater	1586	552
E	WV-061-004453-005	BINNEY, GAYLE	Northeast Natural Energy LLC	12.5% or Greater	1586	554
E	WV-061-004453-006	BINNEY, KYLE	Northeast Natural Energy LLC	12.5% or Greater	1591	270
E	WV-061-004927-001	BOYCE, WILLIAM	Northeast Natural Energy LLC	12.5% or Greater	1613	306
E	WV-061-004927-002	WALKER, STEPHAN	Northeast Natural Energy LLC	12.5% or Greater	1614	49
E	WV-061-004927-003	AMMONS, DONALD	Northeast Natural Energy LLC	12.5% or Greater	1621	252
E	WV-061-004927-004	MOORE, WORLEY D	Northeast Natural Energy LLC	12.5% or Greater	1622	795
E	WV-061-004950-001	TENNANT, ELIZA	Northeast Natural Energy LLC	12.5% or Greater	1614	587
E	WV-061-004950-002	STEWART, CARL W	Northeast Natural Energy LLC	12.5% or Greater	1618	715
E	WV-061-004957-001	WEST, RICHARD E	Northeast Natural Energy LLC	12.5% or Greater	1614	633
E	WV-061-004957-002	JOHNSON, NANCY	Northeast Natural Energy LLC	12.5% or Greater	1618	374
E	WV-061-004957-003	STEWART, STEVEN	Northeast Natural Energy LLC	12.5% or Greater	1649	282
E	WV-061-005131-001	GANTT, LOU	Northeast Natural Energy LLC	12.5% or Greater	1618	759
F	WV-061-003316-000	TENNANT, OSCIE M.	JOSEPH MCDERMOTT	12.5% or Greater	See leasehold chain	
G	WV-061-005566-001	TENNANT, GARY M	Northeast Natural Energy LLC	12.5% or Greater	1673	347
G	WV-061-005566-002	DEBERRY, DARVIN	Northeast Natural Energy LLC	12.5% or Greater	1673	349
G	WV-061-005566-003	TENNANT, FRANK	Northeast Natural Energy LLC	12.5% or Greater	1675	199
G	WV-061-005566-004	WISE, JAMES RAY	Northeast Natural Energy LLC	12.5% or Greater	1675	201
G	WV-061-005566-005	BOSLEY, MARY J	Northeast Natural Energy LLC	12.5% or Greater	1675	203



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G	WV-061-005566-006	ANDERSON, GENEV	Northeast Natural Energy LLC	12.5% or Greater	1678	403
G	WV-061-005566-007	RADETSKI, MARGA	Northeast Natural Energy LLC	12.5% or Greater	1675	205
G	WV-061-005566-008	CUNNINGHAM, REB	Northeast Natural Energy LLC	12.5% or Greater	1675	207
G	WV-061-005566-009	LEMASTERS, TAMM	Northeast Natural Energy LLC	12.5% or Greater	1678	405
G	WV-061-005566-010	CUNNINGHAM, CHR	Northeast Natural Energy LLC	12.5% or Greater	1678	407
G	WV-061-005566-011	CUNNINGHAM, MICH	Northeast Natural Energy LLC	12.5% or Greater	1678	409
G	WV-061-005566-012	WISE, RODNEY	Northeast Natural Energy LLC	12.5% or Greater	1679	335
G	WV-061-005566-013	TAYLOR, JOANN	Northeast Natural Energy LLC	12.5% or Greater	1679	337
G	WV-061-005566-014	ALDRICH, RONALD	Northeast Natural Energy LLC	12.5% or Greater	1679	339
G	WV-061-005566-014	BARLOW, CRYSTAL	Northeast Natural Energy LLC	12.5% or Greater	1679	341
G	WV-061-005566-016	NETHERTON, NANCY	Northeast Natural Energy LLC	12.5% or Greater	1679	343
G	WV-061-005566-017	LEMASTERS, EDDIE	Northeast Natural Energy LLC	12.5% or Greater	1679	345
G	WV-061-005566-018	MUELLER, LANA	Northeast Natural Energy LLC	12.5% or Greater	1679	353
G	WV-061-005566-019	BERRY, JANET	Northeast Natural Energy LLC	12.5% or Greater	1683	321
G	WV-061-005566-020	GUM, CURTIS	Northeast Natural Energy LLC	12.5% or Greater	1679	347
G	WV-061-005566-021	WISE, CARL	Northeast Natural Energy LLC	12.5% or Greater	1681	739
G	WV-061-005566-022	WISE, ROBERT	Northeast Natural Energy LLC	12.5% or Greater	1679	349
G	WV-061-005566-023	WISE, VICTOR	Northeast Natural Energy LLC	12.5% or Greater	1679	351
G	WV-061-005566-024	WISE, GEORGE	Northeast Natural Energy LLC	12.5% or Greater	1683	323
H	WV-061-003672-001	ATKINS, GREGORY	Northeast Natural Energy LLC	12.5% or Greater	1541	323
H	WV-061-003672-002	DEMOSS, GARY L.	Northeast Natural Energy LLC	12.5% or Greater	1541	321
H	WV-061-003672-003	BRIGGS, KENNETH	Northeast Natural Energy LLC	12.5% or Greater	1541	335
H	WV-061-003672-004	WILLARD, WANDA	Northeast Natural Energy LLC	12.5% or Greater	1542	767
H	WV-061-003672-005	DEMOSS, RONNIE	Northeast Natural Energy LLC	12.5% or Greater	1541	341
H	WV-061-003672-006	RUSSELL, TERESA	Northeast Natural Energy LLC	12.5% or Greater	1541	325
H	WV-061-003672-007	BATSON, JACKIE	Northeast Natural Energy LLC	12.5% or Greater	1566	120
H	WV-061-004957-001	WEST, RICHARD E	Northeast Natural Energy LLC	12.5% or Greater	1614	633
H	WV-061-004957-002	JOHNSON, NANCY	Northeast Natural Energy LLC	12.5% or Greater	1618	374
H	WV-061-004957-003	STEWART, STEVEN	Northeast Natural Energy LLC	12.5% or Greater	1649	282
H	WV-061-003641-001	STATLER, GARY D	Northeast Natural Energy LLC	12.5% or Greater	1541	349
H	WV-061-003641-002	TENNANT, ARIETT	Northeast Natural Energy LLC	12.5% or Greater	1539	522
H	WV-061-003641-003	STATLER, RONALD	Northeast Natural Energy LLC	12.5% or Greater	1541	351
H	WV-061-003641-004	ANTOL, JANET L.	Northeast Natural Energy LLC	12.5% or Greater	1541	355
H	WV-061-003641-005	JOHNSON, ZOE	Northeast Natural Energy LLC	12.5% or Greater	1567	842
H	WV-061-003641-006	AMMONS, BUDDY	Northeast Natural Energy LLC	12.5% or Greater	1545	470
H	WV-061-003641-007	AMMONS, DELBERT	Northeast Natural Energy LLC	12.5% or Greater	1545	790
H	WV-061-003641-008	AMMONS, RONALD	Northeast Natural Energy LLC	12.5% or Greater	1545	788
H	WV-061-003641-010	WALKER, STEPHAN	Northeast Natural Energy LLC	12.5% or Greater	1564	392
H	WV-061-003641-011	MCCARTY FAMILY	Northeast Natural Energy LLC	12.5% or Greater	1566	690
H	WV-061-003641-012	SHIPLEY, STEPHA	Northeast Natural Energy LLC	12.5% or Greater	1566	102
H	WV-061-003641-013	STEWART, CARL W	Northeast Natural Energy LLC	12.5% or Greater	1566	124
H	WV-061-003641-014	ARMSTRONG, JAME	Northeast Natural Energy LLC	12.5% or Greater	1566	79
H	WV-061-003641-015	STEWART, PAUL T	Northeast Natural Energy LLC	12.5% or Greater	1566	94
H	WV-061-003641-016	TENNANT, ELIZAB	Northeast Natural Energy LLC	12.5% or Greater	1566	96
H	WV-061-003641-017	STOKES, NANCY J	Northeast Natural Energy LLC	12.5% or Greater	1564	723
H	WV-061-003641-018	HUGGINS, ROSE M	Northeast Natural Energy LLC	12.5% or Greater	1566	86
H	WV-061-003641-019	JOHNSON, MELVIN	Northeast Natural Energy LLC	12.5% or Greater	1566	88
H	WV-061-003641-020	GASKILL, PAULIN	Northeast Natural Energy LLC	12.5% or Greater	1566	29
H	WV-061-003641-021	DARRAH, DEBBIE	Northeast Natural Energy LLC	12.5% or Greater	1566	122
H	WV-061-003641-022	STEWART, EARL W	Northeast Natural Energy LLC	12.5% or Greater	1566	90
H	WV-061-003641-023	BROMHAL, BEVERL	Northeast Natural Energy LLC	12.5% or Greater	1566	114
H	WV-061-003641-024	BREWER, RUBY	Northeast Natural Energy LLC	12.5% or Greater	1566	112
H	WV-061-003641-025	JOHNSON, JOHN R	Northeast Natural Energy LLC	12.5% or Greater	1568	93
H	WV-061-003641-026	STEWART, JR., GRA	Northeast Natural Energy LLC	12.5% or Greater	1564	728
H	WV-061-003641-027	MOORE, CARL W.	Northeast Natural Energy LLC	12.5% or Greater	1568	315
H	WV-061-003641-028	BAUGHMAN, MARCE	Northeast Natural Energy LLC	12.5% or Greater	1566	108
H	WV-061-003641-029	CALTRIDER, ROSE	Northeast Natural Energy LLC	12.5% or Greater	1566	25
H	WV-061-003641-030	KENNEDY, ANNA J	Northeast Natural Energy LLC	12.5% or Greater	1566	23
H	WV-061-003641-031	JOHNSON, MARY	Northeast Natural Energy LLC	12.5% or Greater	1566	37
H	WV-061-003641-032	JOHNSON, JACK J	Northeast Natural Energy LLC	12.5% or Greater	1570	109
H	WV-061-003641-033	AMMONS, DONALD	Northeast Natural Energy LLC	12.5% or Greater	1568	87
H	WV-061-003641-034	JOHNSON, PHYLLI	Northeast Natural Energy LLC	12.5% or Greater	1567	838
H	WV-061-003641-035	STATLER, PATRIC	Northeast Natural Energy LLC	12.5% or Greater	1640	305
H	WV-061-003641-036	HALL, BETTY K.	Northeast Natural Energy LLC	12.5% or Greater	1640	501
H	WV-061-003641-037	HALL, MELVIN ET	Northeast Natural Energy LLC	12.5% or Greater	1643	192
H	WV-061-003641-038	BRUNETT-SANDRID	Northeast Natural Energy LLC	12.5% or Greater	1643	194
H	WV-061-003641-039	SPITZNOGLE, ALI	Northeast Natural Energy LLC	12.5% or Greater	1647	452
H	WV-061-003641-040	MOORE, JASON	Northeast Natural Energy LLC	12.5% or Greater	1647	454
H	WV-061-003641-041	MOORE, BRUCE	Northeast Natural Energy LLC	12.5% or Greater	1647	456
H	WV-061-003641-042	HALL, MARY K	Northeast Natural Energy LLC	12.5% or Greater	1652	201
H	WV-061-003641-043	WORLEY MOORE ES	Northeast Natural Energy LLC	12.5% or Greater	1654	295
H	WV-061-003641-044	JOHNSON, JIM F.	Northeast Natural Energy LLC	12.5% or Greater	138	752
H	WV-061-004928-001	BOYCE, WILLIAME	Northeast Natural Energy LLC	12.5% or Greater	1613	308



Tract	Lease Number	Grantor, Lessor, etc.	Grantor, Lessor, etc.	Royalty	Book	Page
H	WV-061-004928-002	HALL, RONALD	Northeast Natural Energy LLC	12.5% or Greater	1666	129
H	WV-061-004928-003	HALL, JASON D	Northeast Natural Energy LLC	12.5% or Greater	1670	73
H	WV-061-004928-004	SANCHEZ, BRANDI	Northeast Natural Energy LLC	12.5% or Greater	1675	223
H	WV-061-004928-005	HALL, AUDRA	Northeast Natural Energy LLC	12.5% or Greater	1675	225
H	WV-061-005131-001	GANTT, LOU	Northeast Natural Energy LLC	12.5% or Greater	1618	759
H	WV-061-005152-001	KELSEY, KENNETH	Northeast Natural Energy LLC	12.5% or Greater	1620	108
H	WV-061-005152-002	BINNEY, GAYLE	Northeast Natural Energy LLC	12.5% or Greater	1620	110
H	WV-061-005152-003	KELSEY, SHERRY	Northeast Natural Energy LLC	12.5% or Greater	1620	112
H	WV-061-005152-004	STONE, LUCINDA	Northeast Natural Energy LLC	12.5% or Greater	1620	114
H	WV-061-005152-005	BINNEY, KYLE ET	Northeast Natural Energy LLC	12.5% or Greater	1623	154
H	WV-061-005152-006	BINNEY, ERIN ET	Northeast Natural Energy LLC	12.5% or Greater	1623	156
I	WV-061-004942-001	HARVEY, BARBARA	Northeast Natural Energy LLC	12.5% or Greater	1614	67
J	WV-061-001527-005	FRAZIER, DAVID	Northeast Natural Energy LLC	12.5% or Greater	1512	525
J	WV-061-001527-007	HAAS, JACK	Northeast Natural Energy LLC	12.5% or Greater	1539	520
J	WV-061-001527-008	HAAS, CHARLES	Northeast Natural Energy LLC	12.5% or Greater	1536	527
J	WV-061-001527-009	WILLIAMSON, DON	Northeast Natural Energy LLC	12.5% or Greater	1539	337
J	WV-061-001527-010	HAAS, JIM	Northeast Natural Energy LLC	12.5% or Greater	1536	632
J	WV-061-001527-011	HAAS, GARY	Northeast Natural Energy LLC	12.5% or Greater	1539	74
J	WV-061-001527-012	DOUGLAS, JANIS	Northeast Natural Energy LLC	12.5% or Greater	1538	451
J	WV-061-001527-013	MOHAMMADI, AMIR	Northeast Natural Energy LLC	12.5% or Greater	1615	397
J	WV-061-001527-014	AFSHARI, ALIAKB	Northeast Natural Energy LLC	12.5% or Greater	1615	399
J	WV-061-002319-001	TENNANT, WAYNE	Chesapeake Appalachia, L.L.C.	12.5% or Greater	1399	829
J		Chesapeake Appalachia, L.L.C.	Northeast Natural Energy LLC	12.5% or Greater	120	769
J	WV-061-005499-001	CONNER, PATRICI	Northeast Natural Energy LLC	12.5% or Greater	1650	385
J	WV-061-005499-002	TENNANT, REX B	Northeast Natural Energy LLC	12.5% or Greater	1650	387
J	WV-061-005499-003	VERNON, SHERRIE	Northeast Natural Energy LLC	12.5% or Greater	1650	389
K	WV-061-005499-001	CONNER, PATRICI	Northeast Natural Energy LLC	12.5% or Greater	1650	385
K	WV-061-005499-002	TENNANT, REX B	Northeast Natural Energy LLC	12.5% or Greater	1650	387
K	WV-061-005499-003	VERNON, SHERRIE	Northeast Natural Energy LLC	12.5% or Greater	1650	389
L	WV-061-005401-001	CHISLER FAMILY TRUST	Northeast Natural Energy LLC	12.5% or Greater	1640	405
M	WV-061-004943-001	MCCABE, THELMA	Northeast Natural Energy LLC	12.5% or Greater	1614	69
N	WV-061-005499-001	CONNER, PATRICI	Northeast Natural Energy LLC	12.5% or Greater	1650	385
	WV-061-005499-002	TENNANT, REX B	Northeast Natural Energy LLC	12.5% or Greater	1650	387
	WV-061-005499-003	VERNON, SHERRIE	Northeast Natural Energy LLC	12.5% or Greater	1650	389

OPERATOR: NORTHEAST NATURAL ENERGY LLC  
 WELLS: 9H, 10H, 11H, 12H, 13H, 14H, 15H, 16H, 17H, 18H, 19H, 20H, 21H, 22H, 23H, 24H, 25H, 26H, 27H, 28H, 29H, 30H, 31H, 32H, 33H, 34H, 35H, 36H, 37H, 38H, 39H, 40H, 41H, 42H, 43H, 44H, 45H, 46H, 47H, 48H, 49H, 50H, 51H, 52H, 53H, 54H, 55H, 56H, 57H, 58H, 59H, 60H, 61H, 62H, 63H, 64H, 65H, 66H, 67H, 68H, 69H, 70H, 71H, 72H, 73H, 74H, 75H, 76H, 77H, 78H, 79H, 80H, 81H, 82H, 83H, 84H, 85H, 86H, 87H, 88H, 89H, 90H, 91H, 92H, 93H, 94H, 95H, 96H, 97H, 98H, 99H, 100H, 101H, 102H, 103H, 104H, 105H, 106H, 107H, 108H, 109H, 110H, 111H, 112H, 113H, 114H, 115H, 116H, 117H, 118H, 119H, 120H, 121H, 122H, 123H, 124H, 125H, 126H, 127H, 128H, 129H, 130H, 131H, 132H, 133H, 134H, 135H, 136H, 137H, 138H, 139H, 140H, 141H, 142H, 143H, 144H, 145H, 146H, 147H, 148H, 149H, 150H, 151H, 152H, 153H, 154H, 155H, 156H, 157H, 158H, 159H, 160H, 161H, 162H, 163H, 164H, 165H, 166H, 167H, 168H, 169H, 170H, 171H, 172H, 173H, 174H, 175H, 176H, 177H, 178H, 179H, 180H, 181H, 182H, 183H, 184H, 185H, 186H, 187H, 188H, 189H, 190H, 191H, 192H, 193H, 194H, 195H, 196H, 197H, 198H, 199H, 200H, 201H, 202H, 203H, 204H, 205H, 206H, 207H, 208H, 209H, 210H, 211H, 212H, 213H, 214H, 215H, 216H, 217H, 218H, 219H, 220H, 221H, 222H, 223H, 224H, 225H, 226H, 227H, 228H, 229H, 230H, 231H, 232H, 233H, 234H, 235H, 236H, 237H, 238H, 239H, 240H, 241H, 242H, 243H, 244H, 245H, 246H, 247H, 248H, 249H, 250H, 251H, 252H, 253H, 254H, 255H, 256H, 257H, 258H, 259H, 260H, 261H, 262H, 263H, 264H, 265H, 266H, 267H, 268H, 269H, 270H, 271H, 272H, 273H, 274H, 275H, 276H, 277H, 278H, 279H, 280H, 281H, 282H, 283H, 284H, 285H, 286H, 287H, 288H, 289H, 290H, 291H, 292H, 293H, 294H, 295H, 296H, 297H, 298H, 299H, 300H, 301H, 302H, 303H, 304H, 305H, 306H, 307H, 308H, 309H, 310H, 311H, 312H, 313H, 314H, 315H, 316H, 317H, 318H, 319H, 320H, 321H, 322H, 323H, 324H, 325H, 326H, 327H, 328H, 329H, 330H, 331H, 332H, 333H, 334H, 335H, 336H, 337H, 338H, 339H, 340H, 341H, 342H, 343H, 344H, 345H, 346H, 347H, 348H, 349H, 350H, 351H, 352H, 353H, 354H, 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1017H, 1018H, 1019H, 1020H, 1021H, 1022H, 1023H, 1024H, 1025H, 1026H, 1027H, 1028H, 1029H, 1030H, 1031H, 1032H, 1033H, 1034H, 1035H, 1036H, 1037H, 1038H, 1039H, 1040H, 1041H, 1042H, 1043H, 1044H, 1045H, 1046H, 1047H, 1048H, 1049H, 1050H, 1051H, 1052H, 1053H, 1054H, 1055H, 1056H, 1057H, 1058H, 1059H, 1060H, 1061H, 1062H, 1063H, 1064H, 1065H, 1066H, 1067H, 1068H, 1069H, 1070H, 1071H, 1072H, 1073H, 1074H, 1075H, 1076H, 1077H, 1078H, 1079H, 1080H, 1081H, 1082H, 1083H, 1084H, 1085H, 1086H, 1087H, 1088H, 1089H, 1090H, 1091H, 1092H, 1093H, 1094H, 1095H, 1096H, 1097H, 1098H, 1099H, 1100H, 1101H, 1102H, 1103H, 1104H, 1105H, 1106H, 1107H, 1108H, 1109H, 1110H, 1111H, 1112H, 1113H, 1114H, 1115H, 1116H, 1117H, 1118H, 1119H, 1120H, 1121H, 1122H, 1123H, 1124H, 1125H, 1126H, 1127H, 1128H, 1129H, 1130H, 1131H, 1132H, 1133H, 1134H, 1135H, 1136H, 1137H, 1138H, 1139H, 1140H, 1141H, 1142H, 1143H, 1144H, 1145H, 1146H, 1147H, 1148H, 1149H, 1150H, 1151H, 1152H, 1153H, 1154H, 1155H, 1156H, 1157H, 1158H, 1159H, 1160H, 1161H, 1162H, 1163H, 1164H, 1165H, 1166H, 1167H, 1168H, 1169H, 1170H, 1171H, 1172H, 1173H, 1174H, 1175H, 1176H, 1177H, 1178H, 1179H, 1180H, 1181H, 1182H, 1183H, 1184H, 1185H, 1186H, 1187H, 1188H, 1189H, 1190H, 1191H, 1192H, 1193H, 1194H, 1195H, 1196H, 1197H, 1198H, 1199H, 1200H, 1201H, 1202H, 1203H, 1204H, 1205H, 1206H, 1207H, 1208H, 1209H, 1210H, 1211H, 1212H, 1213H, 1214H, 1215H, 1216H, 1217H, 1218H, 1219H, 1220H, 1221H, 1222H, 1223H, 1224H, 1225H, 1226H, 1227H, 1228H, 1229H, 1230H, 1231H, 1232H, 1233H, 1234H, 1235H, 1236H, 1237H, 1238H, 1239H, 1240H, 1241H, 1242H, 1243H, 1244H, 1245H, 1246H, 1247H, 1248H, 1249H, 1250H, 1251H, 1252H, 1253H, 1254H, 1255H, 1256H, 1257H, 1258H, 1259H, 1260H, 1261H, 1262H, 1263H, 1264H, 1265H, 1266H, 1267H, 1268H, 1269H, 1270H, 1271H, 1272H, 1273H, 1274H, 1275H, 1276H, 1277H, 1278H, 1279H, 1280H, 1281H, 1282H, 1283H, 1284H, 1285H, 1286H, 1287H, 1288H, 1289H, 1290H, 1291H, 1292H, 1293H, 1294H, 1295H, 1296H, 1297H, 1298H, 1299H, 1300H, 1301H, 1302H, 1303H, 1304H, 1305H, 1306H, 1307H, 1308H, 1309H, 1310H, 1311H, 1312H, 1313H, 1314H, 1315H, 1316H, 1317H, 1318H, 1319H, 1320H, 1321H, 1322H, 1323H, 1324H, 1325H, 1326H, 1327H, 1328H, 1329H, 1330H, 1331H, 1332H, 1333H, 1334H, 1335H, 1336H, 1337H, 1338H, 1339H, 1340H, 1341H, 1342H, 1343H, 1344H, 1345H, 1346H, 1347H, 1348H, 1349H, 1350H, 1351H, 1352H, 1353H, 1354H, 1355H, 1356H, 1357H, 1358H, 1359H, 1360H, 1361H, 1362H, 1363H, 1364H, 1365H, 1366H, 1367H, 1368H, 1369H, 1370H, 1371H, 1372H, 1373H, 1374H, 1375H, 1376H, 1377H, 1378H, 1379H, 1380H, 1381H, 1382H, 1383H, 1384H, 1385H, 1386H, 1387H, 1388H, 1389H, 1390H, 1391H, 1392H, 1393H, 1394H, 1395H, 1396H, 1397H, 1398H, 1399H, 1400H, 1401H, 1402H, 1403H, 1404H, 1405H, 1406H, 1407H, 1408H, 1409H, 1410H, 1411H, 1412H, 1413H, 1414H, 1415H, 1416H, 1417H, 1418H, 1419H, 1420H, 1421H, 1422H, 1423H, 1424H, 1425H, 1426H, 1427H, 1428H, 1429H, 1430H, 1431H, 1432H, 1433H, 1434H, 1435H, 1436H, 1437H, 1438H, 1439H, 1440H, 1441H, 1442H, 1443H, 1444H, 1445H, 1446H, 1447H, 1448H, 1449H, 1450H, 1451H, 1452H, 1453H, 1454H, 1455H, 1456H, 1457H, 14

Grantor, Lessor, etc.	Grantee, Lessee, etc.	Book Type	Book No.	Page No.
Oscie M. Tennant by Sp. Comm.	Joseph H. McDermott	Deed	77	451
Joseph H. McDermott	Hope Nat. Gas Co.	Deed	136	338
Joseph H. McDermott	Hope Nat. Gas Co.	Deed	141	119
Hope Nat. Gas Co.	CNG Producing Co.	Assignment	46	626
CNG Producing Co.	Dominion Exploration & Production Co.	WV Sec. of State Merger/Name Change	See WV Sec. of State Website (Link Below)	
	<a href="http://apps.sos.wv.gov/business/corporations/organization.aspx?org=6055">http://apps.sos.wv.gov/business/corporations/organization.aspx?org=6055</a>			
Dominion Exploration & Production Co.	Antero Resources Appalachian Corp.	Assignment	102	797
Antero Resources Appalachian Corp.	Northeast Natural Energy, LLC	Assignment	122	56

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 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 OFFICE OF OIL AND GAS





February 19, 2020

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

RE: Lemley 1H, 3H, 5H, 7H, 9H

Dear Permit Reviewer:

Please be advised that Northeast Natural Energy LLC has the right to drill, extract and produce the minerals beneath the roads identified as Jakes Run Road (Route 29), Long Drain Road (Route 22), and Loge Tennant Road (CR 20/1).

Sincerely,

A handwritten signature in blue ink, appearing to read 'Charles Dornetto', is written over the word 'Sincerely,'.

Charles Dornetto  
Manager – Land Operations

Enclosure

RECEIVED  
Office of Oil and Gas  
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Environmental Protection

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

**Instructions to Persons Named on Page WW-6A**

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

**Comment and Waiver Provisions**

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

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

**VOLUNTARY STATEMENT OF NO OBJECTION**

I, Mason Smith, hereby state that I have read the Instructions to Persons Named on Page WW-6A and the associated provisions listed above, and that I have received copies of a Notice of Application, an Application for a Well Work Permit on Form WW-6A and attachments consisting of pages one (1) through 3, including the erosion and sediment control plan, if required, and the well plat, all for proposed well work on the tract of land as follows:

State:	<u>West Virginia</u>	UTM NAD 83	Easting:	<u>573988.0</u>
County:	<u>Monongalia</u>		Northing:	<u>4391580.0</u>
District:	<u>Clay</u>	Public Road Access:	<u>County Route 22/Long Drain Road</u>	
Quadrangle:	<u>Blacksville</u>	Generally used farm name:	<u>Lemley</u>	
Watershed:	<u>Dunkard Creek</u>			

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

<p>*Please check the box that applies</p> <p><input type="checkbox"/> SURFACE OWNER</p> <p><input type="checkbox"/> SURFACE OWNER (Road and/or Other Disturbance)</p> <p><input type="checkbox"/> SURFACE OWNER (Impoundments/Pits)</p> <p><input checked="" type="checkbox"/> COAL OWNER OR LESSEE</p> <p><input checked="" type="checkbox"/> COAL OPERATOR</p> <p><input type="checkbox"/> WATER PURVEYOR</p> <p><input type="checkbox"/> OPERATOR OF ANY NATURAL GAS STORAGE FIELD</p>	<p><b>FOR EXECUTION BY A NATURAL PERSON</b></p> <p>Signature: _____</p> <p>Print Name: _____</p> <p>Date: _____</p>
	<p><b>FOR EXECUTION BY A CORPORATION, ETC.</b></p> <p>Company: <u>Consolidation Coal Company</u></p> <p>By: <u>Mason Smith</u></p> <p>Its: <u>Coal, Oil &amp; Gas relations manager</u></p> <p>Signature: <u><i>Mason Smith</i></u></p> <p>Date: <u>02/24/2020</u></p>

**Oil and Gas Privacy Notice:**

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

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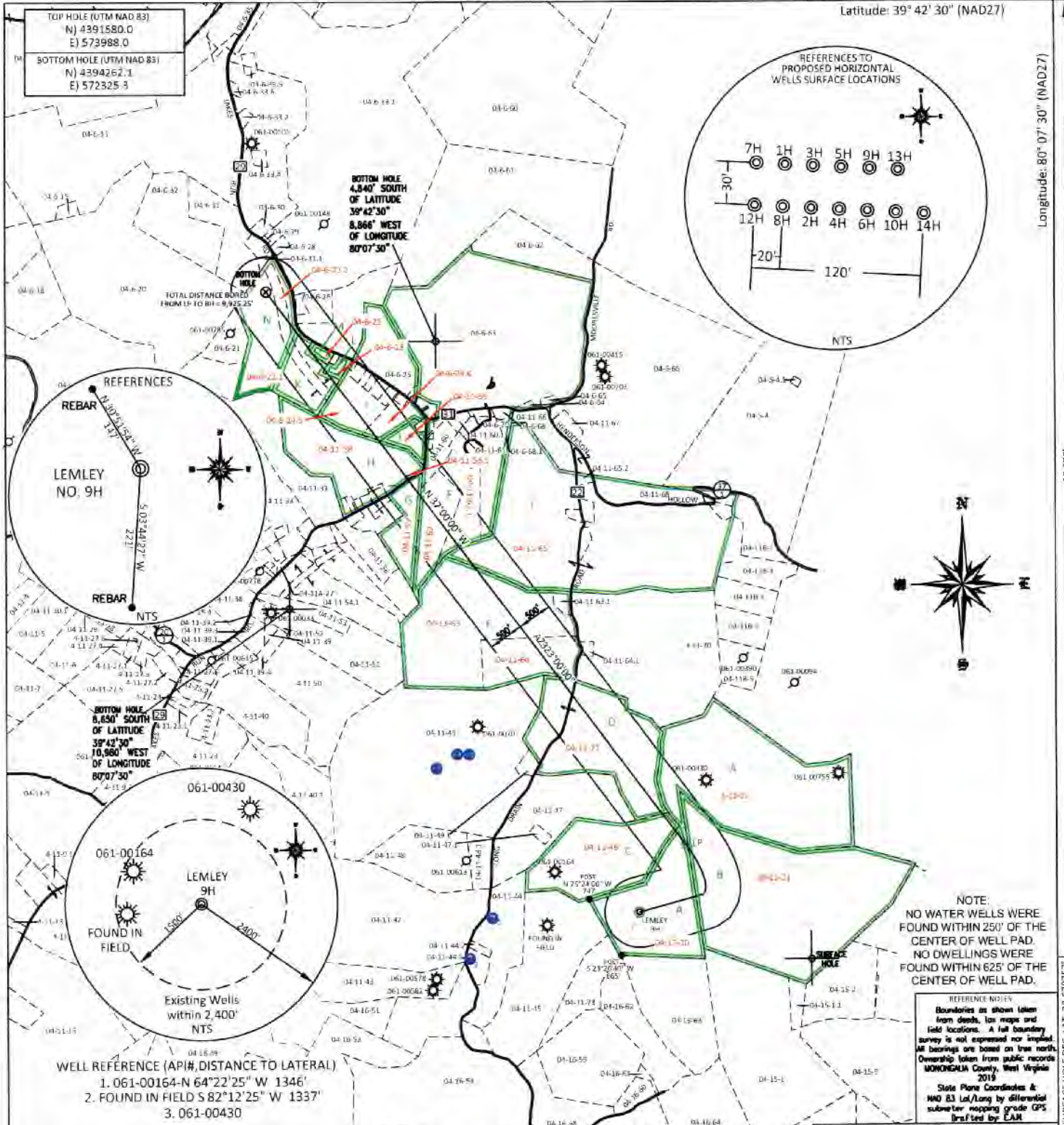
WELL NAME: LEMLEY 9H  
BLACKSVILLE, WV



TOTAL DISTANCE BORED  
FROM LP TO BH = 9,925.25







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

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

FILE #: NEE14  
DRAWING #: 2905  
SCALE: PLAT: 1" = 2000'  
TICK MARK: 1" = 2000'  
MINIMUM DEGREE OF ACCURACY: 1/200  
PROVEN SOURCE OF ELEVATION: SUBMETER MAPPING GRADE GPS

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.  
Signed: [Signature]  
L.L.S. #2124 : Ernest J. Benchek III



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

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

WATERSHED: DUNKARD CREEK

COUNTY/DISTRICT: MONONGALIA / CLAY

SURFACE OWNER: CLARENCE W. LEMLEY JR. & CHARLOTTE E. LEMLEY

OIL & GAS ROYALTY OWNER: LEROY TENNANT, et al

LEASE NUMBERS: \_\_\_\_\_

DATE: FEBRUARY 19, 2020

OPERATOR'S WELL #: LEMLEY 9H

API WELL #: 47 STATE 61 COUNTY D1845 PERMIT MOD

AS-BUILT  
ELEVATION: 1,549.47'

QUADRANGLE: BLACKSVILLE, WV

ACREAGE: 128.58 +/-

ACREAGE: 868.05 +/-

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: 8,206' TMD: 18,731'

WELL OPERATOR: NORTHEAST NATURAL ENERGY LLC

DESIGNATED AGENT: JOHN ADAMS

ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200

ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200

CITY: CHARLESTON STATE: WV ZIP CODE: 25301

CITY: CHARLESTON STATE: WV ZIP CODE: 25301



PROPERTY OWNER INDEX	
4-12-20	CLARENCE W. LEMLEY JR. & CHARLOTTE E. LEMLEY
4-12-21	VINCENT KOLANKO, MARK SELLARO, & CRA PROPERTIES LLC
4-11-46	JAMES ALLEN JR. & CHANDRA DARLENE BENNETT
4-11-71	MELINDA WILEY
4-11-64	ALBERT D. & CAROLYN JONES
4-11-63	ALBERT D. & CAROLYN JONES
4-11-65	JOSEPH C. & LOUIE A. STATLER
4-11-61.1	KIMBERLY S. CLOUGH
4-11-62	MICHAEL W. THOMAS
4-11-57	AMELIA J. WILSON & JACK L. WILLIAMS
4-11-58.1	AMELIA J. WILSON & JACK L. WILLIAMS
4-11-58	PHYLLIS J. & NELLIE E. JOHNSON
4-11-59	BARBARA HARVEY
4-6-24.6	MARVIN D. & THELMA MILLIRON
4-6-24.9	EILEEN BANE
4-6-23	CHRISLER FAMILY REVOCABLE TRUST
4-6-22	KIMBERLY S. ROSE (LIFE-THELMA MCCABE)
4-6-22.1	MARVIN L. & DEBRA JEAN TENNANT
4-6-22.2	MARVIN L. & DEBRA JEAN TENNANT

LEASE INDEX			
A	WV-061-00126-002-WP	I	WV-061-004942-001
B	WV-061-003525-001	J	WV-061-005499-001
C	WV-061-002339-006	K	WV-061-005549-001
D	WV-061-003860-001	L	WV-061-005401-001
E	WV-061-003763-001	M	WV-061-005943-001
F	WV-061-002367-002	N	WV-061-005549-001
G	WV-061-003575-001		
H	WV-061-003641-001		

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 Environmental Protection

FILE #: NEE14

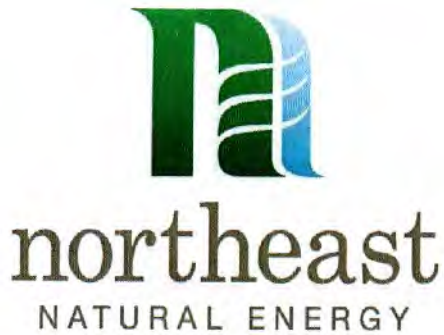
DRAWING #: 2900

SCALE: N/A

DATE: FEBRUARY 19, 2020

OPERATOR'S WELL #: LEMLEY 9H

API WELL #: 47 61 01845 MOD  
 STATE COUNTY PERMIT



February 25, 2020

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

Re: Lemley Spacing Modification

Dear Permit Reviewer,

Please find enclosed permit modification requests to modify lateral spacing on the Lemley wells outlined below. These wells are located in Clay District, Monongalia County. Enclosed are the documents that reflect this requested change.

- Lemley 1H – 47-061-01841
- Lemley 3H – 47-061-01842
- Lemley 5H – 47-061-01843
- Lemley 7H – 47-061-01844
- Lemley 9H – 47-061-01845

Should you have any questions please contact me at 304.212.0445 or by email at [kbrooks@nne-llc.com](mailto:kbrooks@nne-llc.com).

Sincerely,

A handwritten signature in cursive script that reads 'Kristen Brooks'.

Kristen Brooks  
Operations Analyst

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Office of Oil and Gas

FEB 26 2020

WV Department of  
Environmental Protection