



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

Tuesday, March 15, 2022
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 14H
47-061-01896-00-00

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: 14H
Farm Name: YOST HERITAGE INC
U.S. WELL NUMBER: 47-061-01896-00-00
Horizontal 6A New Drill
Date Modification Issued: 3/15/2022

Promoting a healthy environment.

03/18/2022

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

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

2) Operator's Well Number: 14H Well Pad Name: Yost

3) Farm Name/Surface Owner: Yost Heritage Inc Public Road Access: Daybrook Road/218

4) Elevation, current ground: 1,494' Elevation, proposed post-construction: 1,494'

5) Well Type (a) Gas X Oil NA Underground Storage NA
Other NA

(b) If Gas Shallow X Deep NA
Horizontal X

6) Existing Pad: Yes or No Yes *SDEW*

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s): Marcellus, 8,280', 103', 3600 PSI *2/23/2022*

8) Proposed Total Vertical Depth: 8,280'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 19,892'

11) Proposed Horizontal Leg Length: 11,023'

12) Approximate Fresh Water Strata Depths: 1,378'

13) Method to Determine Fresh Water Depths: Drillers log from offset wells

14) Approximate Saltwater Depths: 2,410'

15) Approximate Coal Seam Depths: 320', 712'

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

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

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

RECEIVED
Office of Oil and Gas
MAR 01 2022
WV Department of
Environmental Protection

18)

CASING AND TUBING PROGRAM

| TYPE | Size (in) | New or Used | Grade | Weight per ft. (lb/ft) | FOOTAGE: For Drilling (ft) | INTERVALS: Left in Well (ft) | CEMENT: Fill-up (Cu. Ft.)/CTS |
|--------------|------------------|--------------------|--------------|-------------------------------|-----------------------------------|-------------------------------------|--------------------------------------|
| Conductor | 24" | New | NA | 94.71 | 100' | 100' | CTS |
| Fresh Water | 13-3/8" | New | J-55 | 54.5 | 1,490' | 1,460' | CTS |
| Coal | | | | | NA | NA | |
| Intermediate | 9-5/8" | New | J-55 | 36 | 2,660' | 2,630' | CTS |
| Production | 5-1/2" | New | P-110 | 20 | 19,892' | 19,862' | 4,665 |
| Tubing | 2-7/8" | New | P-110 | 6.5 | NA | 8,500' | NA |
| Liners | | | | | | | |

SOW
2/23/2022

| TYPE | Size (in) | Wellbore Diameter (in) | Wall Thickness (in) | Burst Pressure (psi) | Anticipated Max. Internal Pressure (psi) | Cement Type | Cement Yield (cu. ft./k) |
|--------------|------------------|-------------------------------|----------------------------|-----------------------------|---|--------------------|---------------------------------|
| Conductor | 24" | 32" | .375" | NA | NA | Class A | 1.19 |
| Fresh Water | 13-3/8" | 17 1/2" | .380" | 2,730 | 500 | Class A | 1.19 |
| Coal | | | | | | | |
| Intermediate | 9-5/8" | 12 3/8" | .395" | 3,520 | 2,800 | Class A | 1.19 |
| Production | 5-1/2" | 8 3/4" | .361" | 14,360 | 11,500 | 50:50 Poz | 1.16 |
| Tubing | 2-7/8" | NA | .217" | 13,870 | NA | NA | NA |
| Liners | | | | | | | |

PACKERS

| | | | | |
|-------------|--|--|--|--|
| Kind: | | | | |
| Sizes: | | | | |
| Depths Set: | | | | |

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

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

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

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 31.12

22) Area to be disturbed for well pad only, less access road (acres): 10.4

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:

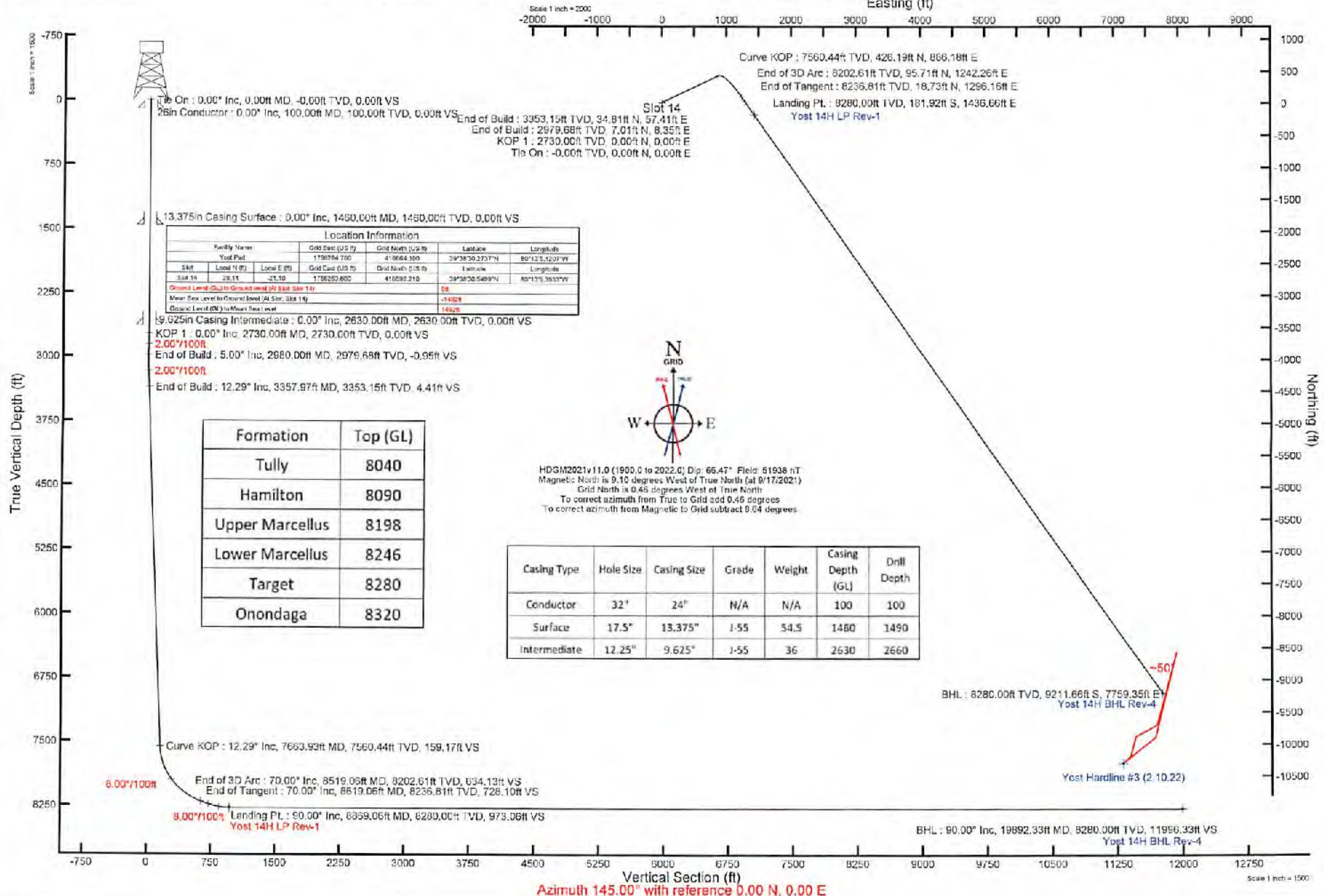
Surface & intermediate on air will utilize high volumetric flow rates of air to ensure the wellbore is clean prior to TOH.
Production section will utilize synthetic oil based drilling mud to properly clean the wellbore. At TD, pump rate and rotation will be maximized and tripping will not begin until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

*Note: Attach additional sheets as needed.

NORTHEAST NATURAL ENERGY, LLC

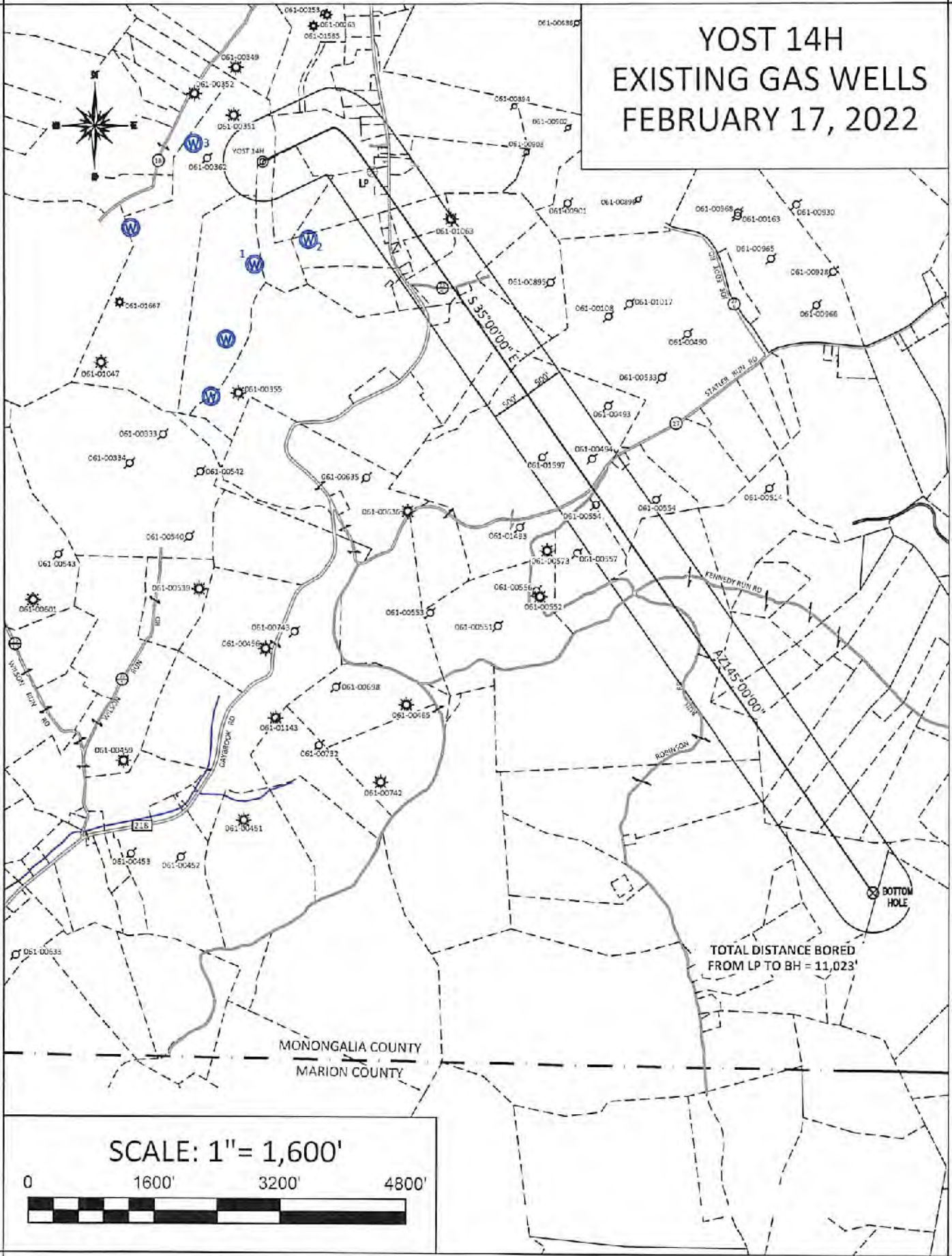
Location: Monongalia County, WV
 Field: Monongalia
 Facility: Yost Pad

Slot: Slot 14
 Well: Yost 14H
 Wellbore: Yost 14H PWB



4706101896

YOST 14H EXISTING GAS WELLS FEBRUARY 17, 2022

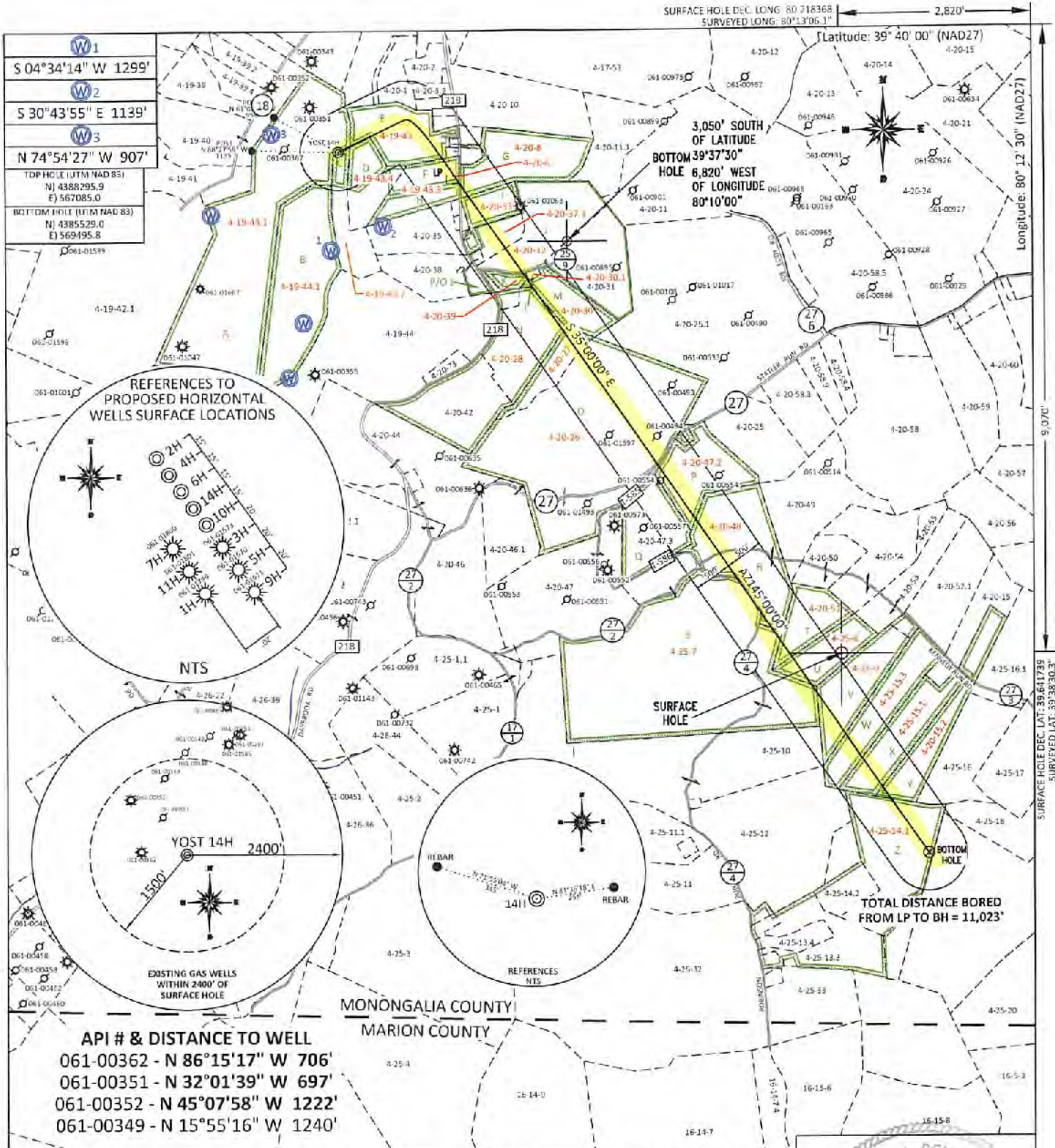


SCALE: 1" = 1,600'
0 1600' 3200' 4800'

YOST 14H AREA OF REVIEW

| API Number | Well Name | Well Number | Operator | Latitude (NAD 83) | Longitude (NAD 83) | TMP | TVD | Comments |
|-------------------|-----------------------|--------------------|------------------------|--------------------------|---------------------------|------------|------------|------------------|
| 061-01063 | J L & P D Foley | NA | Consolidation Coal Co. | 39.639921 | -80.209631 | 4-20-32 | NA | Plugged 6/5/92 |
| 061-00494 | Delbert & Lola Ammons | 6 | East Resources Inc. | 39.631631 | -80.203195 | 4-20-26 | NA | Plugged 10/18/05 |
| 061-00554 | James Eddy | 2 | HG Energy LLC | 39.630031 | -80.203021 | 4-20-47.2 | NA | Plugged 8/18/14 |
| 061-01597 | Randy & Vicky Ammons | 3 | East Resources Inc. | 39.631673 | -80.205443 | 4-20-26 | NA | Plugged 10/1/09 |

4706101896



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

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

WATERSHED: DUNKARD CREEK
COUNTY/DISTRICT: MONONGALIA / CLAY
SURFACE OWNER: YOST HERITAGE INC
OIL & GAS ROYALTY OWNER:
LEASE NUMBERS:

DATE: FEBRUARY 24, 2022
OPERATOR'S WELL #: YOST 14H
API WELL #: 47 61 01896
STATE COUNTY PERMIT
AS-BUILT ELEVATION: 1,494.93'
QUADRANGLE: BLACKSVILLE, WV
ACREAGE: 93.08 +/- 03/18/2022
ACREAGE: 790.949 +/-

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: 8,280" TMD: 19,892'
WELL OPERATOR: NORTHEAST NATURAL ENERGY LLC
ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200
CITY: CHARLESTON STATE: WV ZIP CODE: 25301
DESIGNATED AGENT: JOHN ADAMS
ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200
CITY: CHARLESTON STATE: WV ZIP CODE: 25301

| PROPERTY OWNER INDEX | |
|----------------------|--|
| 4-19-43.1 | YOST HERITAGE INC |
| 4-19-44.1 | YOST HERITAGE INC |
| 4-19-43.4 | YOST HERITAGE INC |
| 4-19-43 | 4 BROTHERS LLC |
| 4-19-43.3 | DONALD LEE & ROGER KEITH WILLIAMS ET AL |
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| 4-20-6 | DONALD LEE & ROGER KEITH WILLIAMS ET AL |
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| 4-20-30.1 | MICHAEL KONOSKY & JR & CHRISTIAN KONOSKY |
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| 4-20-28 | BRANDEN L NUTTER |
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| 4-20-47.3 | GLENN GILBERT & NINA K EDDY |
| 4-20-48 | DORIS E SNYDER |
| 4-25-7 | EVA V, ROGER A & RONALD T TULANOWSKI II |
| 4-20-51 | ROBERT W & KAREN S GUMINEY |
| 4-25-8 | ROBERT W & KAREN S GUMINEY |
| 4-25-9 | DOROTHY WEST ESTATE ET AL |
| 4-25-15.3 | JOSEPH JOHN |
| 4-25-15.1 | ZACHARY B & DELLA M JOHNSON |
| 4-25-15.2 | ZACHARY B & DELLA M JOHNSON |
| 4-25-14.1 | AARON & DEBBIE CLEVINGER |

| LEASE INDEX | | | |
|-------------|-------------------|---|-------------------|
| A | WV-061-001043-002 | N | WV-061-000173-065 |
| B | WV-061-001043-002 | O | WV-061-002303-006 |
| C | WV-061-001043-002 | P | WV-061-005854-001 |
| D | WV-061-003452-000 | Q | WV-061-005854-001 |
| E | WV-061-001043-002 | R | WV-061-001940-006 |
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| I | WV-061-005663-001 | V | WV-061-004555-004 |
| J | WV-061-003862-004 | W | WV-061-005757-001 |
| K | WV-061-003862-004 | X | WV-061-004504-001 |
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| M | WV-061-003862-004 | Z | WV-061-005851-001 |

03/18/2022

FILE #: NEE14

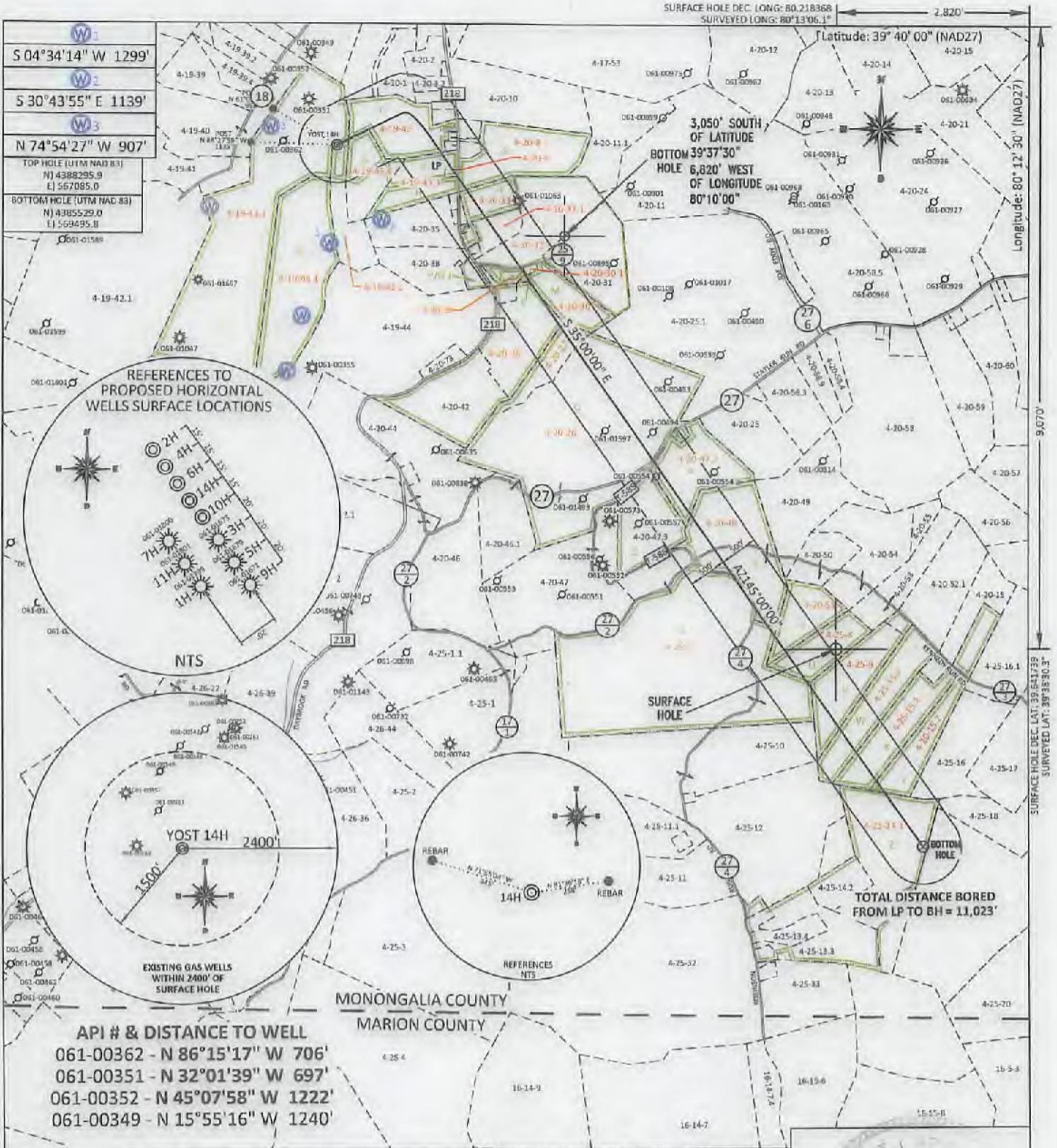
DRAWING #: 2980

SCALE: N/A

DATE: FEBRUARY 24, 2022

OPERATOR'S WELL #: YOST 14H

API WELL #: 47 61 01896
STATE COUNTY PERMIT



FILE #: NEE14
 DRAWING #: 3039
 SCALE: PLAT: 1" = 1800'
 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 WYDEP
 OFFICE OF OIL & GAS
 601 57TH STREET
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DATE: FEBRUARY 24, 2022
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 STATE COUNTY PERMIT

AS-BUILT ELEVATION: 1,494.93'
 QUADRANGLE: BLACKSVILLE, WV
 ACREAGE: 93.08 +/-
 ACREAGE: 790.949 +/- **03/18/2022**

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: 8,280" TMD: 19,892'
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| I | WV-061-005663-001 | V | WV-061-004555-004 |
| J | WV-061-003862-004 | W | WV-061-005757-001 |
| K | WV-061-003862-004 | X | WV-061-004504-001 |
| L | WV-061-003862-004 | Y | WV-061-004504-001 |
| M | WV-061-003862-004 | Z | WV-061-005851-001 |

03/18/2022

FILE #: NEE14

DRAWING #: 2980

SCALE: N/A

DATE: FEBRUARY 24, 2022

OPERATOR'S WELL #: YOST 14H

API WELL #: 47 61 01896 - MOD
STATE COUNTY PERMIT

WELL NAME: YOST 14H
BLACKSVILLE, WV



TOTAL DISTANCE BORED
FROM LP TO BH = 11,023'

MONONGALIA CO
MARION CO

CLAY

03/18/2022



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

| Tract | Lease Number | Grantor, Lessor, etc. | Grantee, Lessee, etc. | Royalty | Book | Page |
|-------|-------------------|-------------------------------|-------------------------------|-----------------------|------|------|
| A | WV-061-001043-002 | Yost Heritage, Inc. | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1512 | 513 |
| B | WV-061-001043-002 | Yost Heritage, Inc. | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1512 | 513 |
| C | WV-061-001043-002 | Yost Heritage, Inc. | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1512 | 513 |
| | WV-061-004558-004 | Correll Cummins | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1596 | 600 |
| D | WV-061-003452-000 | Yost Heritage, Inc. | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1513 | 611 |
| | WV-061-000682-039 | Chad D. Tennant | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1503 | 809 |
| | WV-061-000682-006 | Donald Spencer Tennant | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1449 | 304 |
| | WV-061-000682-003 | Bryan D. Tennant | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1449 | 310 |
| | WV-061-000682-006 | Donald L. Tennant | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1449 | 308 |
| | WV-061-000682-009 | Thomas A. Tennant | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1450 | 455 |
| | WV-061-000682-012 | Robert Leon Pyles | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1450 | 463 |
| | WV-061-000682-015 | James Morgan Pyles | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1450 | 110 |
| | WV-061-000682-032 | Robert R. Martin | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1503 | 124 |
| | WV-061-000682-031 | Jamie Hubbard | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1503 | 659 |
| | WV-061-000682-031 | Jennifer Martin | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1503 | 655 |
| | WV-061-000682-047 | Peter Eves | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1505 | 151 |
| | WV-061-000682-046 | Tanya Billingsley | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1505 | 137 |
| | WV-061-000682-048 | Gery Eves | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1505 | 183 |
| | WV-061-000682-052 | Paul H. Gensko | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1512 | 515 |
| | WV-061-000682-043 | John F. Gensko | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1511 | 548 |
| | WV-061-000682-045 | Mary Morris | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1504 | 758 |
| | WV-061-000682-040 | Lawrence Morris | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1505 | 525 |
| | WV-061-000682-044 | Sandra J. Swartz | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1509 | 769 |
| | WV-061-000682-041 | Thomas Andrew Morris | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1506 | 431 |
| | WV-061-000682-049 | Clarence Joseph Womer, Jr. | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1510 | 75 |
| | WV-061-000682-025 | Karen Markie | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1460 | 125 |
| | WV-061-000682-038 | Carol Broadhurst | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1503 | 794 |
| | WV-061-000682-037 | Mildred Williams | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1503 | 792 |
| | WV-061-000682-042 | Daniel J. Tauls, Sr. | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1505 | 147 |
| | WV-061-000682-014 | Charles H. Morris | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1453 | 221 |
| | WV-061-000682-019 | Robert A. Morris | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1456 | 50 |
| | WV-061-000682-010 | Esther L. Morris | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1450 | 457 |
| | WV-061-000682-011 | Dorothy L. Kollar | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1450 | 465 |
| | WV-061-000682-053 | Roger E. Goldthwaite | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1511 | 769 |
| | WV-061-000682-035 | Gordon J. Goldthwaite | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1503 | 661 |
| | WV-061-000682-036 | Jaret Spark | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1502 | 540 |
| | WV-061-000682-034 | Charles M. Spark | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1510 | 710 |
| | WV-061-000682-021 | Pamela Ruth Spark Nalno | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1458 | 710 |
| E | WV-061-001043-002 | Yost Heritage, Inc. | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1512 | 513 |
| F | WV-061-003451-001 | Deborah Ann William Delany | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1513 | 285 |
| G | WV-061-001050-002 | Janice Wilson | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1605 | 479 |
| | WV-061-003747-001 | Mabel Correll Cummins | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1716 | 564 |
| | WV-061-004370-001 | Yost Heritage Inc. | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1578 | 529 |
| H | WV-061-003451-001 | Deborah Ann William Delany | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1513 | 285 |
| | WV-061-005576-069 | Andrea Armstrong | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1685 | 141 |
| | WV-061-005576-110 | Ruby Eugenia Ault | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1704 | 644 |
| | WV-061-005576-058 | Angela M. Berry Dorrill | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1684 | 513 |
| | WV-061-005576-061 | Charles I. Berry | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1684 | 519 |
| | WV-061-005576-067 | Charles Ray Berry | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1686 | 137 |
| | WV-061-005576-062 | Christine M. Berry | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1684 | 452 |
| | WV-061-005576-060 | Donale Berry | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1684 | 517 |
| | WV-061-005576-063 | James Lee Berry Jr. | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1684 | 454 |
| | WV-061-005576-064 | Michael Ray Berry | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1684 | 456 |
| | WV-061-005576-050 | Tricia Savanikhan | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1684 | 507 |
| | WV-061-005576-059 | Robert W. Berry | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1684 | 515 |
| | WV-061-005576-071 | Theresa D. Berry Briggs | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1686 | 145 |
| | WV-061-005576-111 | Debra Lynn Brockus | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1706 | 299 |
| | WV-061-005576-037 | Joanna E. Braskey | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1683 | 562 |
| | WV-061-005576-038 | Tanya R. Bryan | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1683 | 564 |
| | WV-061-005576-002 | Janet E. Saitznagle Brunfield | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1675 | 219 |
| | WV-061-005576-056 | Randy J. Crites | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1684 | 509 |
| | WV-061-005576-082 | Richard B. Crites | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1690 | 308 |
| | WV-061-005576-076 | Stephen E. Crites | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1687 | 598 |
| | WV-061-005576-116 | Sharon G. Earl | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1716 | 45 |

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|-------|-------------------|----------------------------------|-------------------------------|-----------------------|------|------|
| | WV-061-005576-074 | Wayne Foley | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1687 | 594 |
| | WV-061-005576-097 | Jay Jackson | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1687 | 756 |
| | WV-061-005576-085 | Donna Marie Johnson | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1692 | 237 |
| | WV-061-005576-098 | Joni Katon | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1697 | 758 |
| | WV-061-005576-081 | Debra L. King | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1690 | 306 |
| | WV-061-005576-105 | Bonnie Sue Lauterer | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1699 | 476 |
| | WV-061-005576-057 | Diane K. Lenert | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1684 | 511 |
| | WV-061-005576-075 | Margie P. Walls McMahon | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1687 | 596 |
| | WV-061-005576-040 | Linda Metz | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1683 | 568 |
| | WV-061-005576-018 | Peggy Ann Tennant Morris | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1679 | 395 |
| | WV-061-005576-092 | Jo Dee Norman | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1694 | 634 |
| | WV-061-005576-070 | Michael P. Olach | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1686 | 143 |
| | WV-061-005576-094 | Edna Phillips | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1694 | 636 |
| | WV-061-005576-091 | Lois R. Robertson | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1694 | 632 |
| | WV-061-005576-017 | Janet D. Rogers | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1679 | 389 |
| | WV-061-005576-041 | Betty Rohozen | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1683 | 570 |
| | WV-061-005576-112 | Bernard Eugene Shoman | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1706 | 301 |
| | WV-061-005576-065 | Daniel K. Simons | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1684 | 458 |
| | WV-061-005576-012 | Dorothy Koval Simons | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1679 | 379 |
| | WV-061-005576-024 | Susan M. Simons | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1679 | 391 |
| | WV-061-005576-014 | Alan Leroy Simpson | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1679 | 383 |
| | WV-061-005576-016 | Albert Lee Simpson | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1679 | 387 |
| | WV-061-005576-015 | Barbara Simpson | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1679 | 385 |
| | WV-061-005576-107 | Donnie E. Simpson | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1699 | 480 |
| | WV-061-005576-109 | Gary Simpson | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1699 | 484 |
| | WV-061-005576-086 | Clarence Willard Sine | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1692 | 239 |
| | WV-061-005576-057 | Donald R. Sine | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1692 | 241 |
| | WV-061-005576-088 | Larry K. Sine | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1692 | 207 |
| | WV-061-005576-104 | Neal L. Sine | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1699 | 474 |
| | WV-061-005576-036 | Carl Allen Spitznogle | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1678 | 335 |
| | WV-061-005576-007 | Charles Wayne Spitznogle | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1678 | 337 |
| | WV-061-005576-005 | Jeffrey L. Spitznogle | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1678 | 333 |
| | WV-061-005576-042 | Dorothy I. Tennant Stadler | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1683 | 572 |
| | WV-061-005576-090 | Rita J. Tanner | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1692 | 211 |
| | WV-061-005576-108 | Debra Carol Teh Eyck | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1699 | 482 |
| | WV-061-003451-001 | Wilma Gem Williams - life estate | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1513 | 285 |
| | WV-061-003451-001 | Donald Lee Williams | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1513 | 285 |
| | WV-061-003451-001 | Roger Keith Williams | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1513 | 285 |
| | WV-061-005576-106 | Deldre Wilson | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1699 | 478 |
| | WV-061-005576-015 | Kelli D. Wilson | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1679 | 393 |
| | WV-061-005576-013 | Lorri E. Kuhn | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1679 | 381 |
| | WV-061-005576-026 | Gary D. Yost | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1679 | 387 |
| | WV-061-005576-033 | Michael G. Phillips | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1681 | 741 |
| | WV-061-005576-039 | Melinda P. Heidekat | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1683 | 566 |
| | WV-061-005576-027 | David Dale Yost | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1679 | 399 |
| | WV-061-005576-028 | Dennis Lynn Yost | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1679 | 401 |
| | WV-061-005576-084 | Cheryl A. Skinner | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1692 | 235 |
| | WV-061-005576-083 | Kami Elliot | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1692 | 233 |
| | WV-061-005576-003 | Marsha Catherine Wilson | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1679 | 221 |
| | WV-061-005576-089 | Theodore W. Wilson | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1692 | 209 |
| J | WV-061-003862-001 | Tommy Eddy, Sr. | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1711 | 54 |
| J | WV-061-003862-004 | Stephanie Evans | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1560 | 832 |
| K | WV-061-003862-004 | Stephanie Evans | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1560 | 832 |
| L | WV-061-003862-004 | Stephanie Evans | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1560 | 832 |
| M | WV-061-003862-004 | Stephanie Evans | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1560 | 832 |
| N | WV-061-000173-065 | Thomas Sollars | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1673 | 260 |
| | WV-061-000173-058 | Tammara L. Mordecki | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1673 | 262 |
| | WV-061-000173-059 | Eugene Herrmann Jr. | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1670 | 37 |
| | WV-061-000173-054 | Paul J. Herrmann Sr. | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1670 | 39 |
| | WV-061-000173-055 | Linda D. Herrmann | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1673 | 270 |
| | WV-061-000173-063 | Maryjean Herrmann | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1675 | 169 |
| | WV-061-000173-064 | Rodana D. Gorman | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1673 | 258 |
| | WV-061-000173-057 | Kathy B. Chesney | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1670 | 35 |
| | WV-061-000173-053 | Lori Linda Mendola | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1670 | 41 |
| | WV-061-000173-056 | Thomas L. Austin | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1673 | 264 |
| | WV-061-000173-060 | Brice S. Bissett | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1673 | 264 |

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|-------|-------------------|-------------------------------|-------------------------------|-----------------------|------|------|
| | WV-061-000173-061 | Shari L. Rush | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1673 | 266 |
| | WV-061-000173-062 | Seth Rush | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1673 | 268 |
| | WV-061-000173-049 | Shelly D. Henkins | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1615 | 735 |
| | WV-061-000173-050 | Randy A. Dean | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1615 | 735 |
| | WV-061-000173-048 | Kenneth William Dean | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1615 | 731 |
| | WV-061-000173-004 | Judith Ann Munkittrick | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1711 | 553 |
| | WV-061-000173-002 | Walter Kevin Huffman | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1712 | 776 |
| | WV-061-000173-019 | Patricia A. Salvatore | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1543 | 631 |
| | WV-061-000173-019 | Deborah M. Murray | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1543 | 631 |
| | WV-061-000173-066 | David Wayne Barr | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1591 | 723 |
| | WV-061-000173-046 | Connie C. Sutton | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1589 | 245 |
| | WV-061-000173-045 | Donna C. Miller | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1586 | 514 |
| | WV-061-000173-041 | Zachary L. Mason | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1566 | 283 |
| | WV-061-000173-042 | Gregory C. Mason | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1566 | 202 |
| | WV-061-004286-002 | Debra Lynn Frasier | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1571 | 657 |
| | WV-061-004286-001 | Terrance Walter Mason | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1571 | 635 |
| O | WV-061-002303-006 | Cynthia Sue Eddy Phillips | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1612 | 803 |
| | WV-061-002303-117 | Jessica Rink | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1678 | 277 |
| | WV-061-002303-116 | Lisa S. Kucents | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1678 | 275 |
| | WV-061-002303-118 | Christina F. Rink | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1679 | 242 |
| | WV-061-002303-122 | Robert John Owen | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1699 | 405 |
| | WV-061-002303-109 | Sandra L. Barker Hempling | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1670 | 53 |
| | WV-061-002303-099 | Shirri Ann Barker Deason | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1641 | 392 |
| | WV-061-002303-112 | Merle Lee Hawkins | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1673 | 274 |
| | WV-061-002303-074 | Joan Patty Eddy Tharp | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1623 | 515 |
| | WV-061-002303-057 | Betty Lou Eddy | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1622 | 477 |
| | WV-061-002303-077 | Mary Josephine Eddy | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1629 | 114 |
| | WV-061-002303-070 | Robert Wayne Eddy | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1623 | 403 |
| | WV-061-002303-029 | Leila Catherine Eddy | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1616 | 116 |
| | WV-061-002303-008 | Nancy Louise Sinnott | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1615 | 408 |
| | WV-061-002303-007 | Mary Leigh Cox | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1615 | 401 |
| | WV-061-002303-026 | Eric Keith Jones | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1615 | 833 |
| | WV-061-002303-024 | Nick Alan Jones | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1615 | 831 |
| | WV-061-002303-071 | Hattie Melvena Lyons | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1622 | 849 |
| | WV-061-002303-065 | Richard T. Fair | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1622 | 493 |
| | WV-061-002303-023 | Charles Thomas Fair | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1615 | 787 |
| | WV-061-002303-025 | Allen Keith Fair | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1617 | 721 |
| | WV-061-002303-012 | Davie Keith McDermitt | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1615 | 411 |
| | WV-061-002303-005 | Mary Margaret Field | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1612 | 801 |
| | WV-061-002303-009 | John R. Jones | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1615 | 405 |
| | WV-061-002303-027 | Kenneth Jones | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1617 | 723 |
| | WV-061-002303-015 | Dan Carlos Jones | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1615 | 473 |
| | WV-061-002303-013 | Byron Oliver Jones | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1615 | 413 |
| | WV-061-002303-014 | Beulah L. Rusk | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1615 | 416 |
| | WV-061-002303-120 | Richard A. Arnold | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1687 | 37 |
| | WV-061-002303-121 | Lawrence D. Arnold | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1686 | 99 |
| | WV-061-002303-021 | Kenneth LePage | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1615 | 747 |
| | WV-061-002303-002 | MM-Marcellus II, LP | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1684 | 92 |
| | WV-061-004640-001 | James E. Thorne II | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1598 | 609 |
| | WV-061-004640-001 | Ryan Neil Thorne | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1598 | 609 |
| | WV-061-002303-113 | WV Miners Inc. | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1679 | 240 |
| | WV-061-002303-019 | Karen Diane Hager | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1615 | 743 |
| | WV-061-002303-018 | Priscilla Doreen Cobello | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1615 | 741 |
| | WV-061-002303-110 | Lisa Marie Crabtree | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1670 | 94 |
| | WV-061-002303-108 | Christy Lynn Montilus | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1670 | 51 |
| | WV-061-002303-050 | Nancy M. LaGrance | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1617 | 731 |
| | WV-061-002303-078 | Jane Ann Jones | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1628 | 378 |
| | WV-061-002303-020 | Barbara Ann Wilcox McCullough | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1615 | 745 |
| | WV-061-002303-089 | Heather M. Lanren | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1636 | 761 |
| | WV-061-002303-088 | John Vernon Williams | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1636 | 141 |
| | WV-061-002303-090 | Johnny Eugene Williams | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1637 | 42 |
| | WV-061-002303-095 | Melvin Carl Williams | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1638 | 476 |
| | WV-061-002303-094 | Linda Mangum Tennant | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1637 | 573 |
| | WV-061-002303-093 | Martha Peters | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1638 | 782 |
| | WV-061-002303-037 | Betty L. Walls Vandella | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1615 | 751 |
| | WV-061-002303-036 | Ronald D. Walls | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1616 | 126 |
| | WV-061-002303-035 | Connie S. Wolfe | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1616 | 124 |

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|------------|-------------------|---|--|-------------------------------|-----------------------|------|-----|
| 4706101896 | WV-061-002303-079 | Donna Luketic | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1628 | 380 | |
| | WV-061-002303-086 | Terri Ann Marretta | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1633 | 346 | |
| | WV-061-002303-085 | Timothy Alan Walls | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1638 | 472 | |
| | WV-061-002303-038 | Marilisa Walls Yost | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1617 | 727 | |
| | WV-061-002303-092 | Denzil C. Wilson | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1638 | 778 | |
| | WV-061-002303-062 | Sarah Kathryn Riggi | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1622 | 467 | |
| | WV-061-002303-091 | Joyce E. Walls | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1638 | 474 | |
| | WV-061-002303-119 | Robert D. Gump Jr. | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1681 | 679 | |
| | WV-061-002303-028 | Wilma G. Williams | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1616 | 108 | |
| | WV-061-002303-034 | Patricia A. Tennant Shewmaker | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1616 | 122 | |
| | WV-061-002303-030 | Clifford Earl Tennant | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1616 | 118 | |
| | WV-061-002303-031 | David Blair Tennant | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1616 | 120 | |
| | WV-061-002303-061 | Judith Williams | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1622 | 485 | |
| | WV-061-002303-066 | Staci R. Miller | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1622 | 495 | |
| | WV-061-002303-059 | James J. Miller | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1622 | 481 | |
| | WV-061-002303-064 | Kathy Brown | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1622 | 491 | |
| | WV-061-002303-065 | Sarah Beth Hensley | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1622 | 489 | |
| | WV-061-002303-051 | Shelia Anderson-Freeland | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1620 | 467 | |
| | WV-061-002303-058 | Bridgette Marie Weaver | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1622 | 479 | |
| | WV-061-002303-082 | Steven Richard Freeland | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1628 | 203 | |
| | WV-061-002303-052 | Chantal Kay Freeland | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1617 | 735 | |
| | WV-061-002303-060 | Gary W. Tennant | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1622 | 483 | |
| | P | WV-061-005854-001 | EQT | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1764 | 14 |
| | Q | WV-061-005854-001 | EQT | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1764 | 14 |
| | R | WV-061-001940-006 | Sandra Lee Malham | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1687 | 188 |
| | | WV-061-001940-007 | Deborah Ann Evans | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1687 | 190 |
| | S | WV-061-005853-001 | Shuman Inc. | Northeast Natural Energy, LLC | 12.5% Royalty or More | 148 | 400 |
| | T | WV-061-005852-003 | Robert W. Guminey and Karen S. Guminey | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1764 | 10 |
| | U | WV-061-005852-001 | Robert W. Guminey and Karen S. Guminey | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1764 | 10 |
| | V | WV-061-004235-004 | Patricia A. Stattler | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1605 | 690 |
| | | WV-061-004235-028 | Barbara Jean Dorsen Alcaraz | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1671 | 343 |
| | | WV-061-004235-011 | Evelyn Irene Davis Roach | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1601 | 465 |
| | | WV-061-004235-007 | Doreatha Lee Bowen Busted | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1600 | 296 |
| | | WV-061-004235-008 | Mildred Marie Gage Hale | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1690 | 624 |
| | WV-061-004235-022 | James Ray Gage | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1642 | 102 | |
| | WV-061-004235-024 | Carol Graham | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1650 | 151 | |
| | WV-061-004235-023 | Laurna Francis Bacon | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1647 | 569 | |
| | WV-061-004235-010 | James Bowen | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1601 | 462 | |
| | WV-061-004235-008 | Harlan Oscar Bowen | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1690 | 626 | |
| | WV-061-004235-012 | Faye Delores Brown Bowen | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1601 | 737 | |
| | WV-061-004235-013 | Anthony Allen Bowen | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1601 | 740 | |
| | WV-061-004235-014 | The Guy W. Bowen Sr. and Lora J. Bowen Trust, UID 7/6/2017, Guy W. Bowen Sr. and Lora J. Bowen Trustees | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1630 | 351 | |
| | WV-061-004235-015 | Allice Renee Bowen | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1601 | 745 | |
| | WV-061-004235-016 | Clifton Earl Bowen | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1605 | 678 | |
| | WV-061-004235-017 | Darrell Allen Bowen | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1605 | 680 | |
| | WV-061-004565-005 | William E. Boyce | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1695 | 692 | |
| | WV-061-004565-001 | Elsie Marie Brunett-Sandbridge | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1591 | 710 | |
| | WV-061-004235-003 | James Edward Eddy and Ronda Sullivan Eddy | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1572 | 227 | |
| | WV-061-004235-004 | James E. Eddy | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1570 | 719 | |
| | WV-061-004235-005 | Michael John Eddy and Natalie Eddy | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1572 | 227 | |
| | WV-061-004235-008 | Michael J. Eddy | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1572 | 229 | |
| | WV-061-004565-002 | Worley D. Moore | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1605 | 688 | |
| | WV-061-004565-003 | Richard E. West | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1606 | 84 | |
| W | WV-061-002757-001 | Joseph John | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1732 | 42 | |
| X | WV-061-004504-002 | Zachary B. Johnson and Della M. Johnson | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1587 | 274 | |
| | WV-061-004235-26 | Barbara Jean Dorsen Alcaraz | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1671 | 343 | |
| | WV-061-004235-011 | Evelyn Irene Davis Roach | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1601 | 465 | |
| | WV-061-004235-007 | Doreatha Lee Bowen Busted | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1600 | 296 | |
| | WV-061-004235-008 | Mildred Marie Gage Hale | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1600 | 624 | |
| | WV-061-004235-022 | James Ray Gage | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1643 | 102 | |
| | WV-061-004235-024 | Carol Graham | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1650 | 151 | |
| | WV-061-004235-023 | Laurna Francis Bacon | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1647 | 569 | |
| | WV-061-004235-010 | James Bowen | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1601 | 462 | |
| | WV-061-004235-009 | Harlan Oscar Bowen | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1600 | 626 | |
| | WV-061-004235-012 | Faye Delores Brown Bowen | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1601 | 737 | |
| | WV-061-004235-013 | Anthony Allen Bowen | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1601 | 740 | |

| Tract | Lease Number | Grantor, Lessor, etc. | Grantee, Lessee, etc. | Royalty | Book | Page |
|-------|-------------------|---|-------------------------------|-----------------------|------|------|
| | WV-061-004235-014 | The Guy W. Bowen Sr. and Lora J. Bowen Trust, UID 7/6/2017, Guy W. Bowen Sr. and Lora J. Bowen Trustees | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1630 | 331 |
| | WV-061-004235-015 | Alice Renee Bowen | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1601 | 745 |
| | WV-061-004235-016 | Clifton Earl Bowen | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1605 | 678 |
| | WV-061-004235-017 | Darrell Allen Bowen | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1605 | 680 |
| | WV-061-004235-006 | | | | 1572 | 227 |
| | WV-061-004235-005 | Michael J. Eddy | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1572 | 229 |
| | WV-061-004235-004 | | | | | |
| | WV-061-004235-005 | James Edward Eddy | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1570 | 719 |
| | WV-061-004235-005 | Ronda Sullivan Eddy | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1572 | 227 |
| | WV-061-004235-005 | Natalie Eddy | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1572 | 227 |
| Y | WV-061-004504-001 | Zachary B. Johnson and Della M. Johnson | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1587 | 274 |
| | WV-061-004235-26 | Barbara Jean Dorsen Alcaraz | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1671 | 343 |
| | WV-061-004235-011 | Evelyn Irene Davis Roach | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1601 | 465 |
| | WV-061-004235-007 | Doreatha Lee Bowen Busted | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1600 | 296 |
| | WV-061-004235-008 | Mildred Marie Gage Hale | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1600 | 624 |
| | WV-061-004235-022 | James Ray Gage | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1643 | 102 |
| | WV-061-004235-024 | Carol Graham | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1650 | 151 |
| | WV-061-004235-023 | Laurna Francis Bacon | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1647 | 569 |
| | WV-061-004235-010 | James Bowen | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1601 | 462 |
| | WV-061-004235-009 | Harlan Oscar Bowen | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1600 | 626 |
| | WV-061-004235-012 | Faye Delores Brown Bowen | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1601 | 737 |
| | WV-061-004235-013 | Anthony Allen Bowen | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1601 | 740 |
| | WV-061-004235-014 | The Guy W. Bowen Sr. and Lora J. Bowen Trust, UID 7/6/2017, Guy W. Bowen Sr. and Lora J. Bowen Trustees | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1630 | 331 |
| | WV-061-004235-015 | Alice Renee Bowen | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1601 | 745 |
| | WV-061-004235-016 | Clifton Earl Bowen | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1605 | 678 |
| | WV-061-004235-017 | Darrell Allen Bowen | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1605 | 680 |
| | WV-061-004235-006 | | | | 1572 | 227 |
| | WV-061-004235-005 | Michael J. Eddy | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1572 | 229 |
| | WV-061-004235-004 | | | | | |
| | WV-061-004235-005 | James Edward Eddy | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1570 | 719 |
| | WV-061-004235-005 | Ronda Sullivan Eddy | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1572 | 227 |
| | WV-061-004235-005 | Natalie Eddy | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1572 | 227 |
| Z | WV-061-005851-001 | Helen M. Burton | Northeast Natural Energy, LLC | 12.5% Royalty or More | 1754 | 12 |

4706101896

Permit Modification

Received date: 3/1/22

Well Name: 14H

Operator: NNE

API: 61-01896

Pad Name: Yost

| | MODIFIED PERMIT | ORIGINAL PERMIT |
|----------------|-----------------|-----------------|
| TVD | 8280 ✓ | 8280 ✓ |
| TMD | 19892 ✓ | 13659 * |
| HL | 11023 | 4790 * |
| FW | 1378 | 1378 ✓ |
| SW | 2410 | 2410 ✓ |
| COAL | 320,712 | 320,712 ✓ |
| CONDUCTOR | 100 | 100 ✓ |
| FRESHWATER | 1490 | 1490 ✓ |
| INTERMEDIATE 1 | 2660 | 2660 ✓ |
| INTERMEDIATE 2 | — | 13629 * |
| PRODUCTION | 19892 | ↙ |

Notes:

| | | |
|--------------|--------------|--------------|
| A 1043-002 ✓ | K 3862-004 ✓ | U 5852-001 ✓ |
| C 1043-002 ✓ | L 3862-004 ✓ | V 4555-004 ✓ |
| D 3452-000 ✓ | M 3862-004 ✓ | W 5757-001 ✓ |
| E 1043-002 ✓ | N 173-065 ✓ | X 4504-001 ✓ |
| F 3451-001 ✓ | O 2303-006 ✓ | Y 4504-001 ✓ |
| G 1050-002 ✓ | P 5854-001 ✓ | Z 5851-001 ✓ |
| H 3451-001 ✓ | R 1940-006 ✓ | |
| I 5663-001 ✓ | S 5853-001 ✓ | |
| J 3862-004 ✓ | T 5852-001 ✓ | |



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

Modifications Horizontal H6A Well Work Permit API: 47-061-01892, 01893, 01894, 01895, & 01896)

1 message

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

Wed, Mar 16, 2022 at 8:24 AM

To: Hollie Medley <hmedley@nne-llc.com>, Kristen Brooks <kbrooks@nne-llc.com>, Mark Musick <mmusick@assessor.org>, "Greynolds, Kenneth L" <kenneth.l.greynolds@wv.gov>

I have attached a copy of the newly issued well [permit](#) number. This will serve as your copy.

- 47-061-01892 - 2H
- 47-061-01893 - 4H
- 47-061-01894 - 6H
- 47-061-01895 - 10H
- 47-061-01896 - 14H - Non-Expedited

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

Thank you,

Wade A. Stansberry
Environmental Resource Specialist 3
West Virginia Department of Environmental Protection
Office of Oil & Gas
601 57th St. SE
Charleston, WV 25304
(304) 926-0499 ext. 41115
(304) 926-0452 fax
Wade.A.Stansberry@wv.gov

5 attachments

-  **47-061-01892 - mod.pdf**
1761K
-  **47-061-01893 - mod.pdf**
1730K
-  **47-061-01894 - mod.pdf**
1922K
-  **47-061-01895 - mod.pdf**
1980K
-  **47-061-01896 - mod.pdf**
2105K