



west virginia department of environmental protection

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

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

Friday, September 17, 2021
WELL WORK PERMIT
Horizontal 6A / New Drill

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

Re: Permit approval for MCCLELLAN 7H
47-061-01886-00-00

This well work permit is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to any additional specific conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas Inspector.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926- 0450.

James A. Martin
Chief

Operator's Well Number: MCCLELLAN 7H
Farm Name: KLONDIKE REAL ESTATE PA
U.S. WELL NUMBER: 47-061-01886-00-00
Horizontal 6A New Drill
Date Issued: 9/17/2021

PERMIT CONDITIONS

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

CONDITIONS

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

API Number: _____

PERMIT CONDITIONS

11. The operator shall provide to the Office of Oil and Gas the dates of each of the following within 30 days of their occurrence: completion of construction of the well pad, commencement of drilling, cessation of drilling, completion of any other permitted well work, and completion of the well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov.

09/24/2021

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 Battelle Mannington
Operator ID County District Quadrangle

2) Operator's Well Number: 7H Well Pad Name: McClellan

3) Farm Name/Surface Owner: McClellan Public Road Access: SR 15/7 (Harvey Run Road)

4) Elevation, current ground: 1,412' Elevation, proposed post-construction: Existing

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

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Marcellus, 8,000', 103', 3600 PSI

8) Proposed Total Vertical Depth: 8,000'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 13,116'

11) Proposed Horizontal Leg Length: 4,065'

12) Approximate Fresh Water Strata Depths: 50'; 1,122'

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

14) Approximate Saltwater Depths: 1,820'; 2,570'

15) Approximate Coal Seam Depths: 1,107'

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

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

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(a) If Yes, provide Mine Info: Name: Marion County Coal Company Mine SEP 01 2021
Depth: 1,107' WV Department of
Seam: Pittsburgh Environmental Protection
Owner: American Consolidated Natural Resources

18)

CASING AND TUBING PROGRAM

TYPE	Size	New or Used	Grade	Weight (lb/ft)	Footage Drilling (ft)	INTERVALS: Left in well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
	(in)						
Conductor	24"	New	NA	94.71	100'	100'	CTS
Fresh Water	13-3/8"	New	J-55	54.5	1,440'	1,410'	CTS
Coal					NA	NA	→ Red Rock
Intermediate	9-5/8"	New	J-55	36	2,710'	2,680'	CTS
Production	5-1/2"	New	P-110	20	13,116'	13,096'	3022
Tubing	2-7/8"	New	P-110	6.5	NA	8,500'	NA
Liners							

*Super Hair
8-26-21*

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (Cu. Ft.)/CTS
Conductor	24"	32"	.375"	NA	NA	Class A	1.19
Fresh Water	13-3/8"	17 1/2"	.38"	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:				

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SEP 01 2021

WV Department of
Environmental Protection

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

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

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

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

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

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

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:

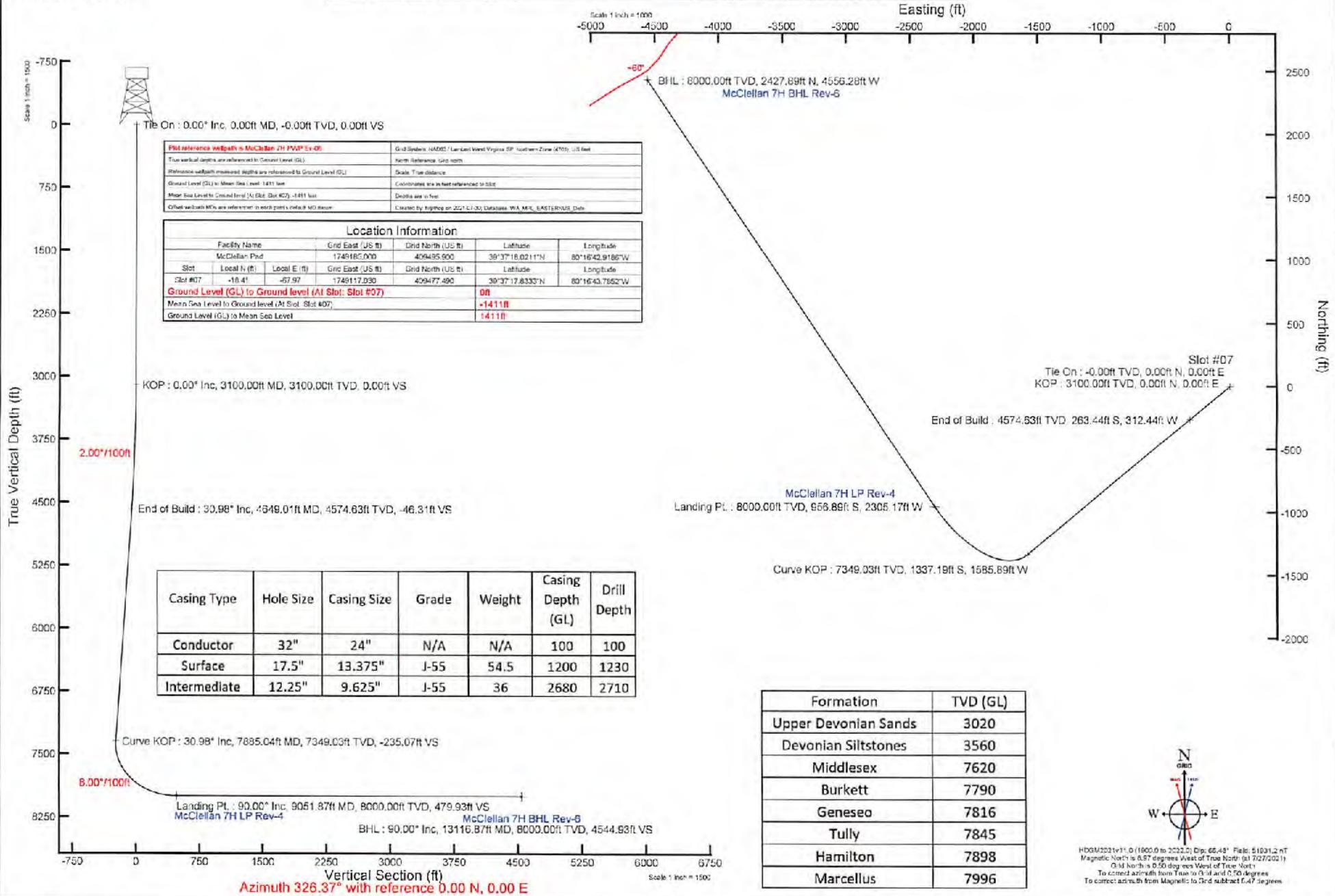
Surface & intermediate on air will utilize high volumetric flow rates of air to ensure the wellbore is clean prior to TOH.
Production section will utilize synthetic oil based drilling mud to properly clean the wellbore. At TD, pump rate and rotation will be maximized and tripping will not begin until 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: McClellan Pad

Slot: Slot #07
 Well: McClellan 7H
 Wellbore: McClellan 7H PWB



Azimuth 326.37° with reference 0.00 N, 0.00 E

Northeast Natural Energy LLC Mine Contingency Plan

On all wells drilled, Northeast Natural Energy LLC ("NNE") has contingency strategies in place should an unanticipated void or mine be encountered while drilling the surface section of the well. If encountered, any accumulated gases will be diverted a safe distance away from the drilling operations through the blowby line and/or flare.

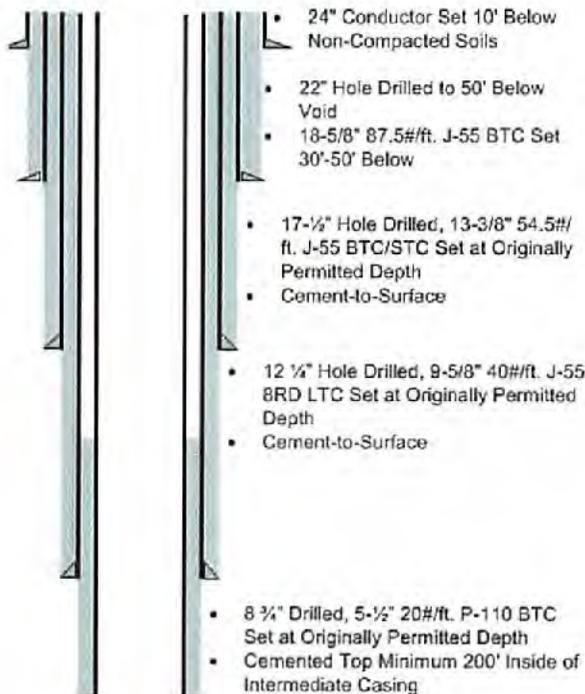
All casings programs submitted to the state incorporate the use of a 24" conductor over the previously used 20" that has long been the industry standard for a typical Marcellus design. The use of 24" conductor casing allows the use of a 22" bit to ream the surface hole, and drill 50' below the void to run a string of 18-5/8" 87.50#/ft J-55 through the section when needed.

The 18-5/8" would be set 30-50' below the void with cement baskets placed directly above and below. The section of pipe below the void would be cemented using the balance method with 100% excess. The section above the void would be cemented separately by using remedial top fill techniques and 30% excess.

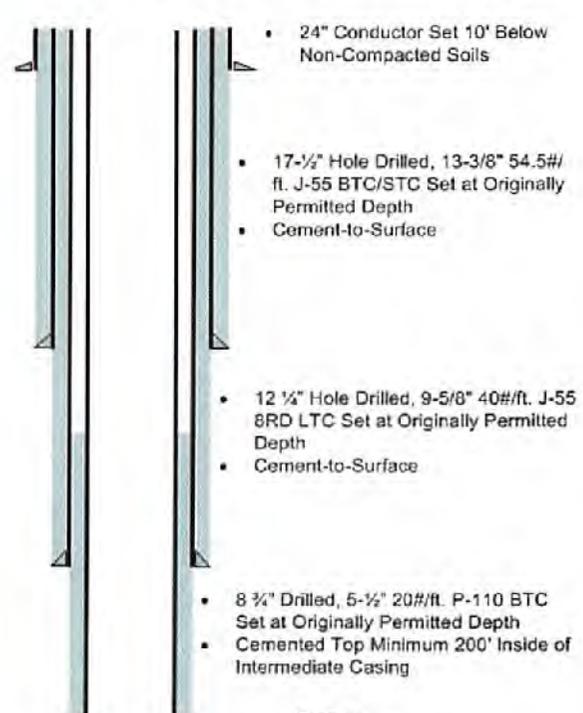
With the use of these string sizes and techniques, the surface and intermediate strings do not need to be altered. After a proper WOC time, the surface section of the well would continue to be drilled with a 17-1/2" bit and the 13-3/8" 54.50#/ft freshwater casing would be set at the originally permitted depth.

**The diagram below visually shows the alternative casing plan should an unanticipated void be encountered.*

Casing Schematic w/ Mine String



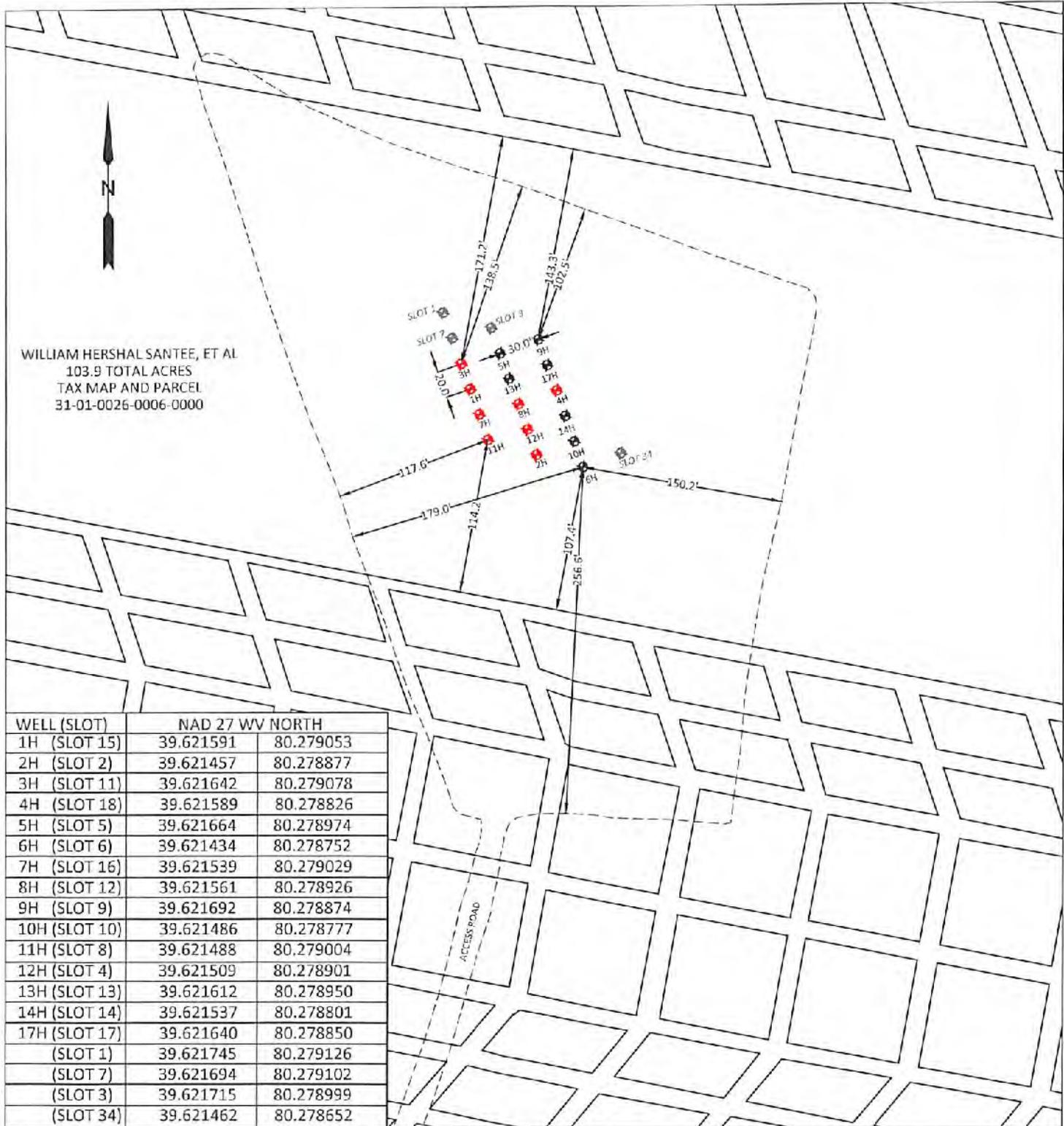
Casing Schematic w/o Mine String



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Environmental Protection 09/24/2021

McCLELLAN 7H AREA OF REVIEW

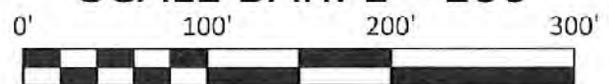
API Number	Well Name	Well Number	Operator	Latitude (NAD 83)	Longitude (NAD 83)	TMP	TVD	Comments
061-00844	Joseph Sutton	7	Bissett, A. & M.	39.61991	-80.289737	01-24-7	NA	NA
061-00491	Consolidation Coal Co	5	East Resources, Inc.	39.622672	-80.288876	01-24-7	NA	Plugged 10/26/2010
061-00492	Ruth E Santee Hrs	5	East Resources, Inc.	39.620079	-80.286211	01-26-6	NA	Plugged 9/24/2010
061-00920	Ruth E Santee Hrs	7	Pack, Hallie H.	39.618701	-80.284486	01-26-6	NA	Plugged 8/7/1989



PREPARED FOR
NORTHEAST NATURAL ENERGY LLC
McCLELLAN WELL PAD
BATTELLE DISTRICT, MONONGALIA COUNTY, WV

PREPARED BY
BOORD BENCHEK & ASSOC., INC.
ENGINEERING, SURVEYING, CONSTRUCTION AND
MINING SERVICES
SOUTHPOINTE, PA 15317 PHONE: 724-746-1055

SCALE BAR: 1"=100'



TOPHOLE DIAGRAM
McCLELLAN WELL PAD
BATTELLE DISTRICT,
MONONGALIA COUNTY, WV
DATE: 8/11/21

LEGEND

- = PROPOSED WELL
- = EXISTING WELL

09/24/2021

WW-9
(4/16)

API Number 47 - _____
Operator's Well No. McClellan 7H

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Northeast Natural Energy LLC OP Code 494498281

Watershed (HUC 10) Upper Monongahela Quadrangle Marrington

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes No

Will a pit be used? Yes No

If so, please describe anticipated pit waste: N/A

Will a synthetic liner be used in the pit? Yes No If so, what ml.? N/A

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- Underground Injection (UIC Permit Number _____)
- Reuse (at API Number unknown at this time, TBD)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain _____)

Will closed loop system be used? If so, describe: Yes, Please See Attachment "A"

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. Vertical - Air/Curve & Horizontal - Oil Based

-If oil based, what type? Synthetic, petroleum, etc. Synthetic Oil Based Mud

Additives to be used in drilling medium? Organophilic Clay Viscosifiers, Lime, Unsaturated Fatty Acids, CaCl, Barite, Emulsifiers, Mica LCM, Water Loss Agents

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Removed Offsite - Please See Attachment "A"

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust)

-Landfill or offsite name/permit number? Please See Attachment "A"

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature Hollie M. Medley
Company Official (Typed Name) Hollie M. Medley
Company Official Title Regulatory Manager

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AUG 16 2021

WV Department of
Environmental Protection

Subscribed and sworn before me this 11th day of August 2021, 20

Kristen Brooks

Notary Public

My commission expires August 10, 2023



OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
Kristen Brooks
Northeast Natural Energy LLC
48 Donley St., Suite 601
Morgantown, WV 26501
My Commission Expires Aug 10, 2023
09/24/2021

Northeast Natural Energy LLC

Proposed Revegetation Treatment: Acres Disturbed 28.9 Prevegetation pH TBD 5-7

Lime 2 Tons/acre or to correct to pH 7

Fertilizer type 19-19-19

Fertilizer amount 300 lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

Temporary				Permanent			
Seed Type		lbs/acre		Seed Type		lbs/acre	
Orchard Grass		46		Orchard Grass		46	
Red Clover		8		Red Clover		8	
Perennial Rye		16		Perennial Rye		16	
Timothy	15	Annual Rye	15	Timothy	15	Annual Rye	15

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, include dimensions (L x W x D) of the pit, and dimensions (L x W), and area in acreage, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: *Danya Hammi*

Comments: _____

Title: *Inspector*

Date: *8-11-21*

Field Reviewed? Yes No

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Attachment A to WW-9

Northeast Natural Energy LLC (“NNE”) plans to utilize a closed loop process for its drilling of the McClellan 7H well. Return flow from the well will be separated into its liquid and solid form. Liquids will be held in steel tanks and reused in the drilling and completion process or disposed of at an approved facility listed below. Solids removed from the stream will be diverted to steel half-round tanks where they will be solidified on site and taken to disposal as they are accumulated.

The Drill Cuttings will be taken to disposal at one or more of the following disposal/approved waste facilities, unless listed facilities are no longer approved to accept waste at time of disposal:

- Westmoreland Landfill (Tervita) – Belle Vernon, PA (Permit # 100277)
- Meadowfill Landfill (Waste Management) – Bridgeport, WV (Permit # SWF 103298)
- Max Environmental – Yukon, PA (PAD004835146 and 301071)
- Max Environmental – Bulger, PA (PAD059087072 and 301359)
- Chestnut Valley Landfill (Advanced Disposal) – Export, PA (Permit # 101421)

NNE plans to reuse and recycle all flowback fluid and/or reach out to other operators in the area who may be able to reuse and recycle such fluid. However, in the event that reuse is not obtainable the fluid will be disposed of at one, or multiple, of the following disposal/approved waste facilities unless listed facilities are no longer approved to accept waste at time of disposal:

- Fairmont Brine Processing (WV NPDES #0116408)
- Green Hunter M. E. Elder 1 Disposal Well (Permit # 47-085-05151)
- Green Hunter Mason 1 Disposal Well (Permit #47-085-09721)
- Green Hunter Warren Disposal Well (Permit #34-121-2-3995)
- Green Hunter Travis Unit Disposal Well (Permit #34-121-2-4086)
- Viking Energy Corporation 20320 Disposal Well (Permit#47-039-02210)
- Ohio Oil Gathering Killbuck Disposal Well (Permit #34-075-24527)
- Ohio Oil Gathering Moran Disposal Well (Permit #34-089-24792)
- Ohio Oil Gathering Bells Run Disposal Well (Permit #34-167-29395)
- Ohio Oil Gathering Long Run Disposal Well (Permit #34-167-29658)
- Ohio Oil Gathering Newell Run Disposal Well (Permit #34-167-29685)
- Appalachian Oil Purchaser Greens Run Disposal Well (Permit #2D0732540)
- Appalachian Oil Purchaser BW#4 Disposal Well (Permit # 2D0732523)



northeast
NATURAL ENERGY

Bryan Hansen
8-11-21

McClellan 7H
Site Safety Plan

August 2021

09/24/2021

WELL: McCLELLAN 7H
QUAD: MANNINGTON, WV



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TOTAL DISTANCE BORED
FROM LP TO BH = 4,065'

WADESTOWN QUAD
MANNINGTON QUAD

B A T T L E

09/24/2021



GRAPHIC SCALE 1" = 2,000'

PROPERTY OWNER INDEX	
1-26-7	KLONDIKE REAL ESTATE PARTNERSHIP
1-26-6	ROBERT G SANTEE ESTATE
1-26-5	CONSOL MINING COMPANY LLC
1-24-7	CNX LAND LLC

LEASE INDEX	
A	WV-061-004172-011
B	WV-061-004173-066
C	WV-061-005769-001
D	WV-061-004002-005

09/24/2021

FILE #: NEE14

DRAWING #: 2997

SCALE: N/A

DATE: AUGUST 4, 2021

OPERATOR'S WELL #: McCLELLAN 7H

API WELL #: 47 61 01886
STATE COUNTY PERMIT

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FILE #: NEE14

DRAWING #: 2997

SCALE: N/A

DATE: AUGUST 4, 2021

OPERATOR'S WELL #: McCLELLAN 7H

API WELL #: 47 61 01886
STATE COUNTY PERMIT

WW-6A1
(5/13)

Operator's Well No. McClellan 7H

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

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

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

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

See Attached

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Office of Oil and Gas
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**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

PROPERTY OWNER INDEX	
1-26-7	KLONDIKE REAL ESTATE PARTNERSHIP
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1-26-5	CONSOL MINING COMPANY LLC
1-24-7	CNX LAND LLC

LEASE INDEX		
A	WV-061-004172-011	✓
B	WV-061-004173-066	✓
C	WV-061-005769-001	✓
D	WV-061-004002-005	✓

09/24/2021

FILE #: NEE14

DRAWING #: 2997

SCALE: N/A

DATE: AUGUST 4, 2021

OPERATOR'S WELL #: McCLELLAN 7H

API WELL #: 47 61 01886
STATE COUNTY PERMIT

Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
A	WV-061-004172-011	Jerry D. Atwood	Northeast Natural Energy, LLC	12.5% Royalty or More	1568	137
	WV-061-004172-054	Linda Austin	Northeast Natural Energy, LLC	12.5% Royalty or More	1578	385
	WV-061-004172-058	Larry Shaun Barr	Northeast Natural Energy, LLC	12.5% Royalty or More	1581	297
	WV-061-004172-055	Michael P. Barr	Northeast Natural Energy, LLC	12.5% Royalty or More	1578	387
	WV-061-004172-051	Patrick Collin Barr	Northeast Natural Energy, LLC	12.5% Royalty or More	1579	232
	WV-061-004172-021	Danielle Sutton Blalock	Northeast Natural Energy, LLC	12.5% Royalty or More	1570	350
	WV-061-004172-028	Claudia Brown	Northeast Natural Energy, LLC	12.5% Royalty or More	1573	5
	WV-061-004172-092	Deena Brown	Northeast Natural Energy, LLC	12.5% Royalty or More	1590	331
	WV-061-004172-015	Gerold L. Brown	Northeast Natural Energy, LLC	12.5% Royalty or More	1565	727
	WV-061-004172-099	Douglas E. Browning	Northeast Natural Energy, LLC	12.5% Royalty or More	1592	617
	WV-061-004172-004	Peggy Lee Burchett	Northeast Natural Energy, LLC	12.5% Royalty or More	1566	353
	WV-061-004172-013	Eleanor Carroll	Northeast Natural Energy, LLC	12.5% Royalty or More	1565	734
	WV-061-004172-050	Lisa Deanne Picon Carroll	Northeast Natural Energy, LLC	12.5% Royalty or More	1579	229
	WV-061-004172-104	Erin Chacon	Northeast Natural Energy, LLC	12.5% Royalty or More	1593	421
	WV-061-004172-014	Patricia S. Christian	Northeast Natural Energy, LLC	12.5% Royalty or More	1565	729
	WV-061-004172-054	Robin Cornett	Northeast Natural Energy, LLC	12.5% Royalty or More	1581	138
	WV-061-004172-081	Becki Leanne Picon Deskin	Northeast Natural Energy, LLC	12.5% Royalty or More	1585	266
	WV-061-004172-039	Rodona A. Dunfee	Northeast Natural Energy, LLC	12.5% Royalty or More	1655	485
	WV-061-004172-067	Debra C. Edwards	Northeast Natural Energy, LLC	12.5% Royalty or More	1580	574
	WV-061-004172-103	Marie Chacon Evanoff	Northeast Natural Energy, LLC	12.5% Royalty or More	1595	263
	WV-061-004172-072	John Fincke	Northeast Natural Energy, LLC	12.5% Royalty or More	1581	315
	WV-061-004172-065	Linda Sharen Picon Frankford	Northeast Natural Energy, LLC	12.5% Royalty or More	1580	46
	WV-061-004172-036	Corslee Garrett	Northeast Natural Energy, LLC	12.5% Royalty or More	1654	315
	WV-061-004172-023	Robert Alan Garrett	Northeast Natural Energy, LLC	12.5% Royalty or More	1570	356
	WV-061-004172-040	Ruthann Garrett	Northeast Natural Energy, LLC	12.5% Royalty or More	1655	487
	WV-061-004172-034	William David Garrett	Northeast Natural Energy, LLC	12.5% Royalty or More	1655	483
	WV-061-004172-100	Avis Anita Adkins	Northeast Natural Energy, LLC	12.5% Royalty or More	1593	672
	WV-061-004172-046	Sharon K. Gustina	Northeast Natural Energy, LLC	12.5% Royalty or More	1655	493
	WV-061-004172-108	James Hawk	Northeast Natural Energy, LLC	12.5% Royalty or More	1658	668
	WV-061-004172-095	Kevin Hawk	Northeast Natural Energy, LLC	12.5% Royalty or More	1588	375
	WV-061-004172-106	Billie J. Hawk	Northeast Natural Energy, LLC	12.5% Royalty or More	1600	75
	WV-061-004172-098	Steven Hawk	Northeast Natural Energy, LLC	12.5% Royalty or More	1592	615
	WV-061-004172-031	Donna Jean Kelley	Northeast Natural Energy, LLC	12.5% Royalty or More	1655	508
	WV-061-004172-031	JoAnn McClelland	Northeast Natural Energy, LLC	12.5% Royalty or More	1655	512
	WV-061-004172-081	Jerry Lee Johnson	Northeast Natural Energy, LLC	12.5% Royalty or More	1655	514
	WV-061-004172-081	James A. Johnson	Northeast Natural Energy, LLC	12.5% Royalty or More	1655	510
	WV-061-004172-085	Donna M. Engle Kelley	Northeast Natural Energy, LLC	12.5% Royalty or More	1575	290
	WV-061-004172-087	Kelly Kueck	Northeast Natural Energy, LLC	12.5% Royalty or More	1589	230
	WV-061-004172-032	Fatti L. Leasure	Northeast Natural Energy, LLC	12.5% Royalty or More	1655	475
	WV-061-004172-006	Cindy Russell Lee	Northeast Natural Energy, LLC	12.5% Royalty or More	1566	357
	WV-061-004172-080	Cynthia Kay Leininger	Northeast Natural Energy, LLC	12.5% Royalty or More	1654	313
	WV-061-004172-008	Tamara Beatrice Littlefield	Northeast Natural Energy, LLC	12.5% Royalty or More	1565	373
	WV-061-004172-043	Conole Louthen	Northeast Natural Energy, LLC	12.5% Royalty or More	1655	489
	WV-061-004172-044	William Loathen Jr.	Northeast Natural Energy, LLC	12.5% Royalty or More	1655	491
	WV-061-004172-022	AMP IV, LP (Eric Carl Malmgren)	Northeast Natural Energy, LLC	12.5% Royalty or More	1570	352
	WV-061-004172-056	Joyce L. Barr Masser	Northeast Natural Energy, LLC	12.5% Royalty or More	1578	389
	WV-061-004172-007	Karen A. Palencar	Northeast Natural Energy, LLC	12.5% Royalty or More	1565	381
	WV-061-004172-059	Paula Louise Picon	Northeast Natural Energy, LLC	12.5% Royalty or More	1579	227
	WV-061-004172-018	Karen Anita Powers	Northeast Natural Energy, LLC	12.5% Royalty or More	1567	499
	WV-061-004172-052	Frances C. Richie	Northeast Natural Energy, LLC	12.5% Royalty or More	1578	375
	WV-061-004172-005	David Harold Russell	Northeast Natural Energy, LLC	12.5% Royalty or More	1566	355
	WV-061-004172-009	Iris J. Russell	Northeast Natural Energy, LLC	12.5% Royalty or More	1565	385
	WV-061-004172-016	Paulette A. Sawvel	Northeast Natural Energy, LLC	12.5% Royalty or More	1567	495
	WV-061-004172-085	Todd E. Long	Northeast Natural Energy, LLC	12.5% Royalty or More	1587	288
	WV-061-004172-093	Barbara Stover	Northeast Natural Energy, LLC	12.5% Royalty or More	1575	285
	WV-061-004172-001	AMP IV, LP (Barbara June Sutton)	Northeast Natural Energy, LLC	12.5% Royalty or More	1560	223
	WV-061-004172-019	David Sutton	Northeast Natural Energy, LLC	12.5% Royalty or More	1570	346
	WV-061-004172-020	Douglas Donald Sutton	Northeast Natural Energy, LLC	12.5% Royalty or More	1570	348
	WV-061-004172-002	AMP IV, LP (Douglas B. Sutton)	Northeast Natural Energy, LLC	12.5% Royalty or More	1560	235
	WV-061-004172-051	Judy Sutton	Northeast Natural Energy, LLC	12.5% Royalty or More	1578	373
	WV-061-004172-003	AMP IV, LP (Stephen R. Sutton)	Northeast Natural Energy, LLC	12.5% Royalty or More	1560	237
	WV-061-004172-002	Babara Uhrig	Northeast Natural Energy, LLC	12.5% Royalty or More	1581	317
	WV-061-004172-012	Darlene W. Vorhis	Northeast Natural Energy, LLC	12.5% Royalty or More	1565	735
	WV-061-004172-083	Jeremy Blake Watson	Northeast Natural Energy, LLC	12.5% Royalty or More	1586	540
	WV-061-004172-102	Kevin Paul Watson	Northeast Natural Energy, LLC	12.5% Royalty or More	1593	675

Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
	WV-061-004172-010	Debra S. Wells	Northeast Natural Energy, LLC	12.5% Royalty or More	1568	135
	WV-061-004172-047	Charles A. Winland	Northeast Natural Energy, LLC	12.5% Royalty or More	1577	41
	WV-061-004172-048	Thomas Winland	Northeast Natural Energy, LLC	12.5% Royalty or More	1577	43
	WV-061-004172-071	William B. Winland	Northeast Natural Energy, LLC	12.5% Royalty or More	1581	313
	WV-061-004172-082	Kate Yarabonough	Northeast Natural Energy, LLC	12.5% Royalty or More	1585	268
B	WV-061-004173-066	Jeffrey Martin	Northeast Natural Energy, LLC	12.5% Royalty or More	1607	580
	WV-061-004173-065	Phillip Martin	Northeast Natural Energy, LLC	12.5% Royalty or More	1607	578
	WV-061-004173-067	Jennifer Martin	Northeast Natural Energy, LLC	12.5% Royalty or More	1607	582
	WV-061-004173-001	Susan Elaine Irving	Northeast Natural Energy, LLC	12.5% Royalty or More	1566	369
	WV-061-004173-005	Michael David Irving	Northeast Natural Energy, LLC	12.5% Royalty or More	1565	711
	WV-061-004173-003	Scott Ryan Irving	Northeast Natural Energy, LLC	12.5% Royalty or More	1566	389
	WV-061-004173-266	Cherisse Marie Mikels Gomez	Northeast Natural Energy, LLC	12.5% Royalty or More	1548	341
	WV-061-004173-190	Theodore Vincent Mikels Jr.	Northeast Natural Energy, LLC	12.5% Royalty or More	1637	56
	WV-061-004173-178	Damain Lawrence Epple	Northeast Natural Energy, LLC	12.5% Royalty or More	1631	355
	WV-061-004173-177	Lea Nizhoni Epple	Northeast Natural Energy, LLC	12.5% Royalty or More	1631	353
	WV-061-004173-278	Kayle Nariah Epple	Northeast Natural Energy, LLC	12.5% Royalty or More	1666	165
	WV-061-004173-058	Marianne Lee Keys	Northeast Natural Energy, LLC	12.5% Royalty or More	1609	379
	WV-061-004173-034	Coral A. Lewitzke	Northeast Natural Energy, LLC	12.5% Royalty or More	1589	707
	WV-061-004173-014	Michael L. Lewitzke	Northeast Natural Energy, LLC	12.5% Royalty or More	1574	390
	WV-061-004173-209	Eva Marie Breshears	Northeast Natural Energy, LLC	12.5% Royalty or More	1635	727
	WV-061-004173-208	Barbara Sue Blessing	Northeast Natural Energy, LLC	12.5% Royalty or More	1636	725
	WV-061-004173-002	James Frank Harvey	Northeast Natural Energy, LLC	12.5% Royalty or More	1566	206
	WV-061-004173-305	Daniel Ray Harvey	Northeast Natural Energy, LLC	12.5% Royalty or More	1664	846
	WV-061-004173-303	Rhonda Renee Mathes	Northeast Natural Energy, LLC	12.5% Royalty or More	1666	70
	WV-061-004173-305	Rohyn Lynette Smith	Northeast Natural Energy, LLC	12.5% Royalty or More	1637	705
	WV-061-004173-314	Ryan Lynn Smith	Northeast Natural Energy, LLC	12.5% Royalty or More	1667	545
	WV-061-004173-305	Karen Kay Wright	Northeast Natural Energy, LLC	12.5% Royalty or More	1686	74
	WV-061-004173-307	Jerry Lee Harvey	Northeast Natural Energy, LLC	12.5% Royalty or More	1686	76
	WV-061-004173-318	Robert Lewis Harvey	Northeast Natural Energy, LLC	12.5% Royalty or More	1688	565
	WV-061-004173-311	Patty Jo Cheney	Northeast Natural Energy, LLC	12.5% Royalty or More	1689	76
	WV-061-004173-264	Kimberly J. Hulverson	Northeast Natural Energy, LLC	12.5% Royalty or More	1648	339
	WV-061-004173-275	Karen J. Busby	Northeast Natural Energy, LLC	12.5% Royalty or More	1657	325
	WV-061-004173-320	Donald H. Harvey	Northeast Natural Energy, LLC	12.5% Royalty or More	1689	421
	WV-061-004173-300	Darrell M. Harvey	Northeast Natural Energy, LLC	12.5% Royalty or More	1683	634
	WV-061-004173-286	Beverly L. Shelley	Northeast Natural Energy, LLC	12.5% Royalty or More	1681	721
	WV-061-004173-317	Lellan Steib Dill	Northeast Natural Energy, LLC	12.5% Royalty or More	1636	731
	WV-061-004173-319	Linda Steib Hodge	Northeast Natural Energy, LLC	12.5% Royalty or More	1689	435
	WV-061-004173-127	Steve Richard Harvey	Northeast Natural Energy, LLC	12.5% Royalty or More	1621	538
	WV-061-004173-013	Phil David Harvey	Northeast Natural Energy, LLC	12.5% Royalty or More	1573	491
	WV-061-004173-016	Ken Allen Harvey	Northeast Natural Energy, LLC	12.5% Royalty or More	1578	391
	WV-061-004173-316	Derek Weider	Northeast Natural Energy, LLC	12.5% Royalty or More	1687	549
	WV-061-004173-090	Karen Sue Carter Reed	Northeast Natural Energy, LLC	12.5% Royalty or More	1615	821
	WV-061-004173-070	Jaspeh Junior Bingamon	Northeast Natural Energy, LLC	12.5% Royalty or More	1610	489
	WV-061-004173-088	Mary Ann Stemple	Northeast Natural Energy, LLC	12.5% Royalty or More	1615	666
	WV-061-004173-074	Linda K. Rohrig	Northeast Natural Energy, LLC	12.5% Royalty or More	1610	491
	WV-061-004173-072	Linda Marlene Rice	Northeast Natural Energy, LLC	12.5% Royalty or More	1610	822
	WV-061-004173-073	Luann Cornell Shaller	Northeast Natural Energy, LLC	12.5% Royalty or More	1610	820
	WV-061-004173-179	William Edward Fulks	Northeast Natural Energy, LLC	12.5% Royalty or More	1640	564
	WV-061-004173-183	LaVonne Marie Santee Teutsch	Northeast Natural Energy, LLC	12.5% Royalty or More	1651	762
	WV-061-004173-186	Laurel Renee Santee Tauslan	Northeast Natural Energy, LLC	12.5% Royalty or More	1637	48
	WV-061-004173-105	Dennis Dean Benson Sr.	Northeast Natural Energy, LLC	12.5% Royalty or More	1618	559
	WV-061-004173-131	Dennis Dean Benson Jr.	Northeast Natural Energy, LLC	12.5% Royalty or More	1621	545
	WV-061-004173-130	Stephanie Elsie Benson	Northeast Natural Energy, LLC	12.5% Royalty or More	1621	544
	WV-061-004173-039	Ramona Imogene Santee Boore	Northeast Natural Energy, LLC	12.5% Royalty or More	1593	677
	WV-061-004173-015	Betty Ann Earl	Northeast Natural Energy, LLC	12.5% Royalty or More	1577	45
	WV-061-004173-008	Mary Willdene Gump	Northeast Natural Energy, LLC	12.5% Royalty or More	1568	446
	WV-061-004173-0184	Elizabeth Ann Gump	Northeast Natural Energy, LLC	12.5% Royalty or More	1631	764
	WV-061-004173-0174	Katherine Louise Gump	Northeast Natural Energy, LLC	12.5% Royalty or More	1635	369
	WV-061-004173-026	Oneita Ann Opyoke	Northeast Natural Energy, LLC	12.5% Royalty or More	1585	175
	WV-061-004173-033	Cary L. Tulaczowski	Northeast Natural Energy, LLC	12.5% Royalty or More	1580	176
	WV-061-004173-032	Joey D. Gillespie	Northeast Natural Energy, LLC	12.5% Royalty or More	1589	158
	WV-061-004173-042	Rodney Kuhn	Northeast Natural Energy, LLC	12.5% Royalty or More	1595	423
	WV-061-004173-043	Alice Beatrice McInosh	Northeast Natural Energy, LLC	12.5% Royalty or More	1595	425
	WV-061-004173-050	Robert Glenn Santee, Jr.	Northeast Natural Energy, LLC	12.5% Royalty or More	1500	573
	WV-061-004173-046	Diana Lynn Eddy	Northeast Natural Energy, LLC	12.5% Royalty or More	1595	431
	WV-061-004173-041	Steven Earl Santee	Northeast Natural Energy, LLC	12.5% Royalty or More	1593	421
	WV-061-004173-045	Richard Harvey Santee	Northeast Natural Energy, LLC	12.5% Royalty or More	1595	429

Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
	WV-061-004173-044	Jason Paul Santee	Northeast Natural Energy, LLC	12.5% Royalty or More	1595	427
	WV-061-004173-028	Sharon K. Houghton	Northeast Natural Energy, LLC	12.5% Royalty or More	1587	292
	WV-061-004173-031	Bennett Edward Haught	Northeast Natural Energy, LLC	12.5% Royalty or More	1589	237
	WV-061-004173-027	Robert Gay Santee	Northeast Natural Energy, LLC	12.5% Royalty or More	1579	290
	WV-061-004173-018	Toby John Williams	Northeast Natural Energy, LLC	12.5% Royalty or More	1579	242
	WV-061-004173-018	Jarred Tyler Williams	Northeast Natural Energy, LLC	12.5% Royalty or More	1579	242
	WV-061-004173-024	Edwin Lee Wright	Northeast Natural Energy, LLC	12.5% Royalty or More	1581	319
	WV-061-004173-017	Daniel Ray Wright	Northeast Natural Energy, LLC	12.5% Royalty or More	1579	240
	WV-061-004173-053	William Mark Wright	Northeast Natural Energy, LLC	12.5% Royalty or More	1600	575
	WV-061-004173-048	Mary Alice Sturm	Northeast Natural Energy, LLC	12.5% Royalty or More	1597	387
	WV-061-004173-047	Seth R. Sturm	Northeast Natural Energy, LLC	12.5% Royalty or More	1597	385
	WV-061-004173-054	David W. Haught, Jr.,	Northeast Natural Energy, LLC	12.5% Royalty or More	1602	21
	WV-061-004173-038	Joseph Bradley Haught	Northeast Natural Energy, LLC	12.5% Royalty or More	1591	660
	WV-061-004173-040	Bonnie Lou Young Friend	Northeast Natural Energy, LLC	12.5% Royalty or More	1593	419
	WV-061-004173-189	Vernon Wayne Santee	Northeast Natural Energy, LLC	12.5% Royalty or More	1637	54
	WV-061-004173-210	Beverly Jane Santee Clutter	Northeast Natural Energy, LLC	12.5% Royalty or More	1636	729
	WV-061-004173-297	Donna Marie O'Brien	Northeast Natural Energy, LLC	12.5% Royalty or More	1683	628
	WV-061-004173-270	Donald L. Dawley	Northeast Natural Energy, LLC	12.5% Royalty or More	1622	274
	WV-061-004173-188	Dorene Larkey	Northeast Natural Energy, LLC	12.5% Royalty or More	1637	52
	WV-061-004173-181	Nancy Elizabeth Dawley	Northeast Natural Energy, LLC	12.5% Royalty or More	1631	758
	WV-061-004173-293	John Alan Santee	Northeast Natural Energy, LLC	12.5% Royalty or More	1683	622
	WV-061-004173-229	James Michael Ryder	Northeast Natural Energy, LLC	12.5% Royalty or More	1637	684
	WV-061-004173-228	Patrick Barry Ryder	Northeast Natural Energy, LLC	12.5% Royalty or More	1637	682
	WV-061-004173-263	Jeffrey Lee Ryder	Northeast Natural Energy, LLC	12.5% Royalty or More	1648	337
	WV-061-004173-289	Jeanne Rush Santee	Northeast Natural Energy, LLC	12.5% Royalty or More	1683	548
	WV-061-004173-298	Elaine B. Santee	Northeast Natural Energy, LLC	12.5% Royalty or More	1683	630
	WV-061-004173-203	Beverly A. Hammerstrom	Northeast Natural Energy, LLC	12.5% Royalty or More	1636	715
	WV-061-004173-195	Pamela M. Melaragno	Northeast Natural Energy, LLC	12.5% Royalty or More	1636	112
	WV-061-004173-290	Paul Lenny Moore	Northeast Natural Energy, LLC	12.5% Royalty or More	1683	550
	WV-061-004173-313	Dane Allen Moore	Northeast Natural Energy, LLC	12.5% Royalty or More	1687	543
	WV-061-004173-187	Thelma Maxine Webb	Northeast Natural Energy, LLC	12.5% Royalty or More	1637	50
	WV-061-004173-204	Shelley A. Showers	Northeast Natural Energy, LLC	12.5% Royalty or More	1636	717
	WV-061-004173-287	Barry L. Gifford	Northeast Natural Energy, LLC	12.5% Royalty or More	1681	719
	WV-061-004173-285	Keith Gifford	Northeast Natural Energy, LLC	12.5% Royalty or More	1681	715
	WV-061-004173-286	Christa Gifford Thompson	Northeast Natural Energy, LLC	12.5% Royalty or More	1681	717
	WV-061-004173-012	Herbert Dale Becker	Northeast Natural Energy, LLC	12.5% Royalty or More	1573	7
	WV-061-004173-009	Robert L. Ruckle (life-estate); Caroline S. Ruckle (remainder); Kathryn P. Mann (remainder); James R. Ruckle (remainder)	Northeast Natural Energy, LLC	12.5% Royalty or More	1575	240
	WV-061-004173-283	James M. Hinerman	Northeast Natural Energy, LLC	12.5% Royalty or More	1680	589
	WV-061-004173-281	Larry Keith Hinerman	Northeast Natural Energy, LLC	12.5% Royalty or More	1680	585
	WV-061-004173-231	Peggy J. Moravec	Northeast Natural Energy, LLC	12.5% Royalty or More	1637	688
	WV-061-004173-282	Dennis Ray Hinerman	Northeast Natural Energy, LLC	12.5% Royalty or More	1680	587
	WV-061-004173-294	Betty Lou Doak	Northeast Natural Energy, LLC	12.5% Royalty or More	1683	624
	WV-061-004173-205	David L. Hinerman	Northeast Natural Energy, LLC	12.5% Royalty or More	1636	719
	WV-061-004173-296	Glenn Robert Hinerman	Northeast Natural Energy, LLC	12.5% Royalty or More	1683	636
	WV-061-004173-279	Kay Danna	Northeast Natural Energy, LLC	12.5% Royalty or More	1680	619
	WV-061-004173-280	Krissie Brownlee	Northeast Natural Energy, LLC	12.5% Royalty or More	1680	583
	WV-061-004173-206	Sandra Ann Hinerman	Northeast Natural Energy, LLC	12.5% Royalty or More	1636	721
	WV-061-004173-292	Jodie A. Hinerman Shrontz	Northeast Natural Energy, LLC	12.5% Royalty or More	1683	620
	WV-061-004173-291	Michael Scott Hinerman	Northeast Natural Energy, LLC	12.5% Royalty or More	1683	618
	WV-061-004173-207	Janet Marlene Stewart Hinerman	Northeast Natural Energy, LLC	12.5% Royalty or More	1636	723
	WV-061-004173-284	Westlake Energy Partners LLC	Northeast Natural Energy, LLC	12.5% Royalty or More	1680	591
	WV-061-004173-310	Robert Ray Hinerman	Northeast Natural Energy, LLC	12.5% Royalty or More	1685	3
	WV-061-004173-308	Marsha Ann Delaney	Northeast Natural Energy, LLC	12.5% Royalty or More	1684	848
	WV-061-004173-309	Lori Lea Hinerman Harvey	Northeast Natural Energy, LLC	12.5% Royalty or More	1685	1
	WV-061-004173-299	John Marvin Hinerman	Northeast Natural Energy, LLC	12.5% Royalty or More	1683	632
	WV-061-004173-004	Sharon Louise Goodwin	Northeast Natural Energy, LLC	12.5% Royalty or More	1565	449
	WV-061-004173-005	Roberta A. MacCallum	Northeast Natural Energy, LLC	12.5% Royalty or More	1565	428
	WV-061-004173-007	Richard C. Wells	Northeast Natural Energy, LLC	12.5% Royalty or More	1565	765
	WV-061-004173-158	Dwight Jr "Bud" Brininger	Northeast Natural Energy, LLC	12.5% Royalty or More	1626	29
	WV-061-004173-157	Lori Clark	Northeast Natural Energy, LLC	12.5% Royalty or More	1626	27
	WV-061-004173-035	Betty Lou Rice	Northeast Natural Energy, LLC	12.5% Royalty or More	1589	525
	WV-061-004173-150	Terry W. Keeney	Northeast Natural Energy, LLC	12.5% Royalty or More	1626	15
	WV-061-004173-029	Betty L. Carr Brininger	Northeast Natural Energy, LLC	12.5% Royalty or More	1587	368
	WV-061-004173-019	Stella Ann Morford	Northeast Natural Energy, LLC	12.5% Royalty or More	1580	50
	WV-061-004173-176	Audrey Ann Santee Belghey	Northeast Natural Energy, LLC	12.5% Royalty or More	1635	373
	WV-061-004173-166	Rebecca L. Santee	Northeast Natural Energy, LLC	12.5% Royalty or More	1628	221

Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
	WV-061-004173-120	Renee Elenn Santee Holmes	Northeast Natural Energy, LLC	12.5% Royalty or More	1620	479
	WV-061-004173-124	Suzette Mary Santee Taylor	Northeast Natural Energy, LLC	12.5% Royalty or More	1621	585
	WV-061-004173-137	Tomie Dee Santee	Northeast Natural Energy, LLC	12.5% Royalty or More	1622	539
	WV-061-004173-165	Thomas Daniel Santee II	Northeast Natural Energy, LLC	12.5% Royalty or More	1628	219
	WV-061-004173-154	Stephen Michael Santee	Northeast Natural Energy, LLC	12.5% Royalty or More	1593	421
	WV-061-004173-037	Family Tree Corporation	Northeast Natural Energy, LLC	12.5% Royalty or More	1591	658
	WV-061-004173-101	Katherine Jane Santee Huffman	Northeast Natural Energy, LLC	12.5% Royalty or More	1617	795
	WV-061-004173-049	Vera Jean Slater	Northeast Natural Energy, LLC	12.5% Royalty or More	1600	17
	WV-061-004173-171	Betty Anderson Santee	Northeast Natural Energy, LLC	12.5% Royalty or More	1630	5
	WV-061-004173-162	Sean Evan Thomas	Northeast Natural Energy, LLC	12.5% Royalty or More	1628	345
	WV-061-004173-077	John Dylan Swope	Northeast Natural Energy, LLC	12.5% Royalty or More	1612	841
	WV-061-004173-149	Terri Swope-Shussler	Northeast Natural Energy, LLC	12.5% Royalty or More	1626	13
	WV-061-004173-133	Molly C. Swope Villanueva	Northeast Natural Energy, LLC	12.5% Royalty or More	1622	523
	WV-061-004173-058	Marsha Pavey	Northeast Natural Energy, LLC	12.5% Royalty or More	1604	102
	WV-061-004173-061	Mary Jean Lolatte	Northeast Natural Energy, LLC	12.5% Royalty or More	1604	108
	WV-061-004173-059	Odie Deron Kendrick III	Northeast Natural Energy, LLC	12.5% Royalty or More	1604	104
	WV-061-004173-060	Billy Paul Kendrick	Northeast Natural Energy, LLC	12.5% Royalty or More	1604	106
	WV-061-004173-011	Edna Jeanette Webb	Northeast Natural Energy, LLC	12.5% Royalty or More	1571	37
	WV-061-004173-321	Sandy Skartslaris	Northeast Natural Energy, LLC	12.5% Royalty or More	1694	643
	WV-061-004173-324	Steven Griffioen	Northeast Natural Energy, LLC	12.5% Royalty or More	1725	725
	WV-061-004173-194	Kenneth Griffioen	Northeast Natural Energy, LLC	12.5% Royalty or More	1636	110
	WV-061-004173-193	Ronald Griffioen	Northeast Natural Energy, LLC	12.5% Royalty or More	1636	108
	WV-061-004173-182	Debra L. Santee	Northeast Natural Energy, LLC	12.5% Royalty or More	1631	760
C	WV-061-005769-001	Equinor USA Onshore Properties, Inc.	Northeast Natural Energy, LLC	12.5% Royalty or More	1738	803
D	WV-061-004002-005	Alderson Broadus College	Northeast Natural Energy, LLC	12.5% Royalty or More	1617	780
	WV-061-004022-008	Elizabeth W. Brey	Northeast Natural Energy, LLC	12.5% Royalty or More	1688	557
	WV-061-004022-006	Mildred Charlotte Toothman Greene	Northeast Natural Energy, LLC	12.5% Royalty or More	1622	280
	WV-061-004022-009	Suzanne Johnson	Northeast Natural Energy, LLC	12.5% Royalty or More	1688	559
	WV-061-004022-016	Alycmarie McClellan	Northeast Natural Energy, LLC	12.5% Royalty or More	1696	68
	WV-061-004022-018	Julie Rush	Northeast Natural Energy, LLC	12.5% Royalty or More	1696	72
	WV-061-004022-015	Michele D. Moore	Northeast Natural Energy, LLC	12.5% Royalty or More	1696	813
	WV-061-004022-017	Christopher G. McClellan	Northeast Natural Energy, LLC	12.5% Royalty or More	1696	70
	WV-061-004022-010	John D. Melius	Northeast Natural Energy, LLC	12.5% Royalty or More	1689	427
	WV-061-004022-004	Marilesa Yost (Mary C. Walls interest)	Northeast Natural Energy, LLC	12.5% Royalty or More	1591	136
	WV-061-004022-013	Samuel F. Welty	Northeast Natural Energy, LLC	12.5% Royalty or More	1693	200
	WV-061-004022-012	Wendy Welty-Fetsko	Northeast Natural Energy, LLC	12.5% Royalty or More	1683	198
	WV-061-004022-007	James W. Woodhouse	Northeast Natural Energy, LLC	12.5% Royalty or More	1688	555
	WV-061-004022-011	Thomas C. Woodhouse	Northeast Natural Energy, LLC	12.5% Royalty or More	1689	429
	WV-061-004022-014	Calantha Anne Yost	Northeast Natural Energy, LLC	12.5% Royalty or More	1693	202



August 3, 2021

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

RE: McClellan 1H, 3H, 7H, 11H

Dear Permit Reviewer:

Please be advised that Northeast Natural Energy LLC has the right to drill, extract and produce the minerals beneath the road identified as Harvey Run Rd (SR 15/7) on the enclosed survey plats.

Sincerely,

Charles Dornetto

Charles Dornetto
Manager – Land Operations

Enclosure

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

RECEIVED
Office of Oil and Gas
AUG 16 2021

Date of Notice Certification: 08/06/2021

API No. 47- _____ - _____
Operator's Well No. 7H
Well Pad Name: McClellan

WV Department of
Environmental Protection

Notice has been given:

Pursuant to the provisions in West Virginia Code § 22-6A, the Operator has provided the required parties with the Notice Forms listed below for the tract of land as follows:

State:	<u>West Virginia</u>	UTM NAD 83	Easting:	<u>561897.7</u>
County:	<u>Monongalia</u>		Northing:	<u>4386010.6</u>
District:	<u>Battelle</u>	Public Road Access:	<u>SR 157 (Harvey Run Road)</u>	
Quadrangle:	<u>Mannington</u>	Generally used farm name:	<u>McClellan</u>	
Watershed:	<u>Upper Monongahela</u>			

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

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

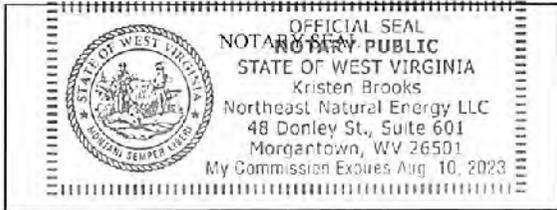
The Operator shall attach to this Notice Certification Form all Notice Forms and Certifications of Notice that have been provided to the required parties and/or any associated written waivers. For the Public Notice, the operator shall attach a copy of the Class II Legal Advertisement with publication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

09/24/2021

Certification of Notice is hereby given:

THEREFORE, I Hollie Medley, have read and understand the notice requirements within West Virginia Code § 22-6A. I certify that as required under West Virginia Code § 22-6A, I have served the attached copies of the Notice Forms, identified above, to the required parties through personal service, by registered mail or by any method of delivery that requires a receipt or signature confirmation. I certify under penalty of law that I have personally examined and am familiar with the information submitted in this Notice Certification and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Hollie Medley

Well Operator:	<u>Northeast Natural Energy LLC</u>	Address:	<u>707 Virginia St. E, Suite 1200</u>
By:	<u>Hollie Medley</u>		<u>Charleston, WV 26501</u>
Its:	<u>Regulatory Manager</u>	Facsimile:	<u>304-241-5972</u>
Telephone:	<u>304-212-0422</u>	Email:	<u>hmedley@nne-llc.com</u>



Subscribed and sworn before me this 11th day of August, 2021
Kristen Brooks Notary Public
 My Commission Expires August 10, 2023

Oil and Gas Privacy Notice:

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

RECEIVED
 Office of Oil and Gas
 AUG 16 2021
 WV Department of
 Environmental Protection

WW-6A
(9-13)

API NO. 47-_____-_____
OPERATOR WELL NO. 7H_____
Well Pad Name: McClellan

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

Notice Time Requirement: notice shall be provided no later than the **filing date of permit application.**

Date of Notice: 8/4/2021 **Date Permit Application Filed:** 8/14/2021

Notice of:

- PERMIT FOR ANY WELL WORK
- CERTIFICATE OF APPROVAL FOR THE CONSTRUCTION OF AN IMPOUNDMENT OR PIT

Delivery method pursuant to West Virginia Code § 22-6A-10(b)

- PERSONAL SERVICE
- REGISTERED MAIL
- METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION

Pursuant to W. Va. Code § 22-6A-10(b) no later than the filing date of the application, the applicant for a permit for any well work or for a certificate of approval for the construction of an impoundment or pit as required by this article shall deliver, by personal service or by registered mail or by any method of delivery that requires a receipt or signature confirmation, copies of the application, the erosion and sediment control plan required by section seven of this article, and the well plat to each of the following persons: (1) The owners of record of the surface of the tract on which the well is or is proposed to be located; (2) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for roads or other land disturbance as described in the erosion and sediment control plan submitted pursuant to subsection (c), section seven of this article; (3) The coal owner, operator or lessee, in the event the tract of land on which the well proposed to be drilled is located [sic] is known to be underlain by one or more coal seams; (4) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for the placement, construction, enlargement, alteration, repair, removal or abandonment of any impoundment or pit as described in section nine of this article; (5) Any surface owner or water purveyor who is known to the applicant to have a water well, spring or water supply source located within one thousand five hundred feet of the center of the well pad which is used to provide water for consumption by humans or domestic animals; and (6) The operator of any natural gas storage field within which the proposed well work activity is to take place. (c)(1) If more than three tenants in common or other co-owners of interests described in subsection (b) of this section hold interests in the lands, the applicant may serve the documents required upon the person described in the records of the sheriff required to be maintained pursuant to section eight, article one, chapter eleven-a of this code. (2) Notwithstanding any provision of this article to the contrary, notice to a lien holder is not notice to a landowner, unless the lien holder is the landowner. W. Va. Code R. § 35-8-5.7.a requires, in part, that the operator shall also provide the Well Site Safety Plan ("WSSP") to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

Application Notice WSSP Notice E&S Plan Notice Well Plat Notice is hereby provided to:

SURFACE OWNER(s)
Name: see attached
Address: _____

Name: _____
Address: _____

SURFACE OWNER(s) (Road and/or Other Disturbance)
Name: see attached
Address: _____

Name: _____
Address: _____

SURFACE OWNER(s) (Impoundments or Pits)
Name: _____
Address: _____

COAL OWNER OR LESSEE
Name: see attached
Address: _____

COAL OPERATOR
Name: see attached
Address: _____

SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)
Name: see attached
Address: _____

OPERATOR OF ANY NATURAL GAS STORAGE FIELD
Name: _____
Address: _____

*Please attach additional forms if necessary

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Office of Oil and Gas
AUG 16 2021

WV Department of
Environmental Protection

09/24/2021

WW-6A
(8-13)

RECEIVED
Office of Oil and Gas
API NO. 47- =
OPERATOR WELL NO. 7H
Well Pad Name: McClellan **AUG 16 2021**

WV Department of
Environmental Protection

Notice is hereby given:

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

This Notice Shall Include:

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

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

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

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

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

Well Location Restrictions

Pursuant to W. Va. Code § 22-6A-12, Wells may not be drilled within two hundred fifty feet measured horizontally from any existing water well or developed spring used for human or domestic animal consumption. The center of well pads may not be located within six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hundred square feet or larger used to house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, developed springs, dwellings or agricultural buildings that existed on the date a notice to the surface owner of planned entry for surveying or staking as provided in section ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section sixteen of this article was provided, whichever occurs first, and to any dwelling under construction prior to that date. This limitation may be waived by written consent of the surface owner transmitted to the department and recorded in the real property records maintained by the clerk of the county commission for the county in which such property is located. Furthermore, the well operator may be granted a variance by the secretary from these distance restrictions upon submission of a plan which identifies the sufficient measures, facilities or practices to be employed during well site construction, drilling and operations. The variance, if granted, shall include terms and conditions the department requires to ensure the safety and protection of affected persons and property. The terms and conditions may include insurance, bonding and indemnification, as well as technical requirements. (b) No well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artificial lake, pond or reservoir, or a wetland, or within three hundred feet of a naturally reproducing trout stream. No well pad may be located within one thousand feet of a surface or ground water intake of a public water supply. The distance from the public water supply as identified by the department shall be measured as follows: (1) For a surface water intake on a lake or reservoir, the distance shall be measured from the boundary of the lake or reservoir. (2) For a surface water intake on a flowing stream, the distance shall be measured from a semicircular radius extending upstream of the surface water intake. (3) For a groundwater source, the distance shall be measured from the wellhead or spring. The department may, in its discretion, waive these distance restrictions upon submission of a plan identifying sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. A waiver, if granted, shall impose any permit conditions as the secretary considers necessary. (c) Notwithstanding the foregoing provisions of this section, nothing contained in this section prevents an operator from conducting the activities permitted or authorized by a Clean Water Act Section 404 permit or other approval from the United States Army Corps of Engineers within any waters of the state or within the restricted areas referenced in this section. (d) The well location restrictions set forth in this section shall not apply to any well on a multiple well pad if at least one of the wells was permitted prior to the effective date of this article. (e) The secretary shall, by December 31, 2012, report to the Legislature on the noise, light, dust and volatile organic compounds generated by the drilling of horizontal wells as they relate to the well location restrictions regarding occupied dwelling structures pursuant to this section. Upon a finding, if any, by the secretary that the well location restrictions regarding occupied dwelling structures are inadequate or otherwise require alteration to address the items

09/24/2021

examined in the study required by this subsection, the secretary shall have the authority to propose for promulgation legislative rules establishing guidelines and procedures regarding reasonable levels of noise, light, dust and volatile organic compounds relating to drilling horizontal wells, including reasonable means of mitigating such factors, if necessary.

Water Well Testing:

Pursuant to West Virginia Code § 22-6A-10(d), notification shall be made, with respect to surface landowners identified in subsection (b) or water purveyors identified in subdivision (5), subsection (b) of this section, of the opportunity for testing their water well. The operator shall provide an analysis to such surface landowner or water purveyor at their request.

Water Testing Laboratories:

Pursuant to West Virginia Code § 22-6A-10(i), persons entitled to notice pursuant to subsection (b) of this section may contact the department to ascertain the names and locations of water testing laboratories in the subject area capable and qualified to test water supplies in accordance with standard accepted methods. In compiling that list of names the department shall consult with the state Bureau for Public Health and local health departments. A surface owner and water purveyor has an independent right to sample and analyze any water supply at his or her own expense. The laboratory utilized by the operator shall be approved by the agency as being certified and capable of performing sample analyses in accordance with this section.

Rebuttable Presumption for Contamination or Deprivation of a Fresh Water Source or Supply:

W. Va. Code § 22-6A-18 requires that (b) unless rebutted by one of the defenses established in subsection (c) of this section, in any action for contamination or deprivation of a fresh water source or supply within one thousand five hundred feet of the center of the well pad for horizontal well, there is a rebuttable presumption that the drilling and the oil or gas well or either was the proximate cause of the contamination or deprivation of the fresh water source or supply. (c) In order to rebut the presumption of liability established in subsection (b) of this section, the operator must prove by a preponderance of the evidence one of the following defenses: (1) The pollution existed prior to the drilling or alteration activity as determined by a predrilling or prealteration water well test. (2) The landowner or water purveyor refused to allow the operator access to the property to conduct a predrilling or prealteration water well test. (3) The water supply is not within one thousand five hundred feet of the well. (4) The pollution occurred more than six months after completion of drilling or alteration activities. (5) The pollution occurred as the result of some cause other than the drilling or alteration activity. (d) Any operator electing to preserve its defenses under subdivision (1), subsection (c) of this section shall retain the services of an independent certified laboratory to conduct the predrilling or prealteration water well test. A copy of the results of the test shall be submitted to the department and the surface owner or water purveyor in a manner prescribed by the secretary. (e) Any operator shall replace the water supply of an owner of interest in real property who obtains all or part of that owner's supply of water for domestic, agricultural, industrial or other legitimate use from an underground or surface source with a comparable water supply where the secretary determines that the water supply has been affected by contamination, diminution or interruption proximately caused by the oil or gas operation, unless waived in writing by that owner. (f) The secretary may order the operator conducting the oil or gas operation to: (1) Provide an emergency drinking water supply within twenty-four hours; (2) Provide temporary water supply within seventy-two hours; (3) Within thirty days begin activities to establish a permanent water supply or submit a proposal to the secretary outlining the measures and timetables to be used in establishing a permanent supply. The total time in providing a permanent water supply may not exceed two years. If the operator demonstrates that providing a permanent replacement water supply cannot be completed within two years, the secretary may extend the time frame on case-by-case basis; and (4) Pay all reasonable costs incurred by the real property owner in securing a water supply. (g) A person as described in subsection (b) of this section aggrieved under the provisions of subsections (b), (e) or (f) of this section may seek relief in court... (i) Notwithstanding the denial of the operator of responsibility for the damage to the real property owner's water supply or the status of any appeal on determination of liability for the damage to the real property owner's water supply, the operator may not discontinue providing the required water service until authorized to do so by the secretary or a court of competent jurisdiction.

Written Comment:

Pursuant to West Virginia Code § 22-6A-11(a), all persons described in subsection (b), section ten of this article may file written comments with the secretary as to the location or construction of the applicant's proposed well work within thirty days after the application is filed with the secretary. All persons described in West Virginia Code § 22-6A-10(b) may file written comments as to the location or construction of the applicant's proposed well work to the Secretary at:

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

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Office of Oil and Gas

AUG 16 2021

WV Department of
Environmental Protection

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

09/24/2021

Time Limits and Methods for Filing Comments.

The law requires these materials to be served on or before the date the operator files its Application. You have **THIRTY (30) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Pursuant to West Virginia Code § 22-6A-11(c)(2), Any objections of the affected coal operators and coal seam owners and lessees shall be addressed through the processes and procedures that exist under sections fifteen, seventeen and forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article. The written comments filed by the parties entitled to notice under subdivisions (1), (2), (4), (5) and (6), subsection (b), section ten of this article shall be considered by the secretary in the permit issuance process, but the parties are not entitled to participate in the processes and proceedings that exist under sections fifteen, seventeen or forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article.

Comment Requirements

Your comments must be in writing and include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

Disclaimer: All comments received will be placed on our web site <http://www.dep.wv.gov/oil-and-gas/Horizontal-Permits/Pages/default.aspx> and the applicant will automatically be forwarded an email notice that such comments have been submitted. The applicant will be expected to provide a response to comments submitted by any surface owner, water purveyor or natural gas storage operator noticed within the application.

Permit Denial or Condition

The Chief has the power to deny or condition a well work permit. Pursuant to West Virginia Code § 22-6A-8(d), the permit may not be issued or be conditioned, including conditions with respect to the location of the well and access roads prior to issuance if the director determines that:

- (1) The proposed well work will constitute a hazard to the safety of persons;
- (2) The plan for soil erosion and sediment control is not adequate or effective;
- (3) Damage would occur to publicly owned lands or resources; or
- (4) The proposed well work fails to protect fresh water sources or supplies.

A permit may also be denied under West Virginia Code § 22-6A-7(k), the secretary shall deny the issuance of a permit if the secretary determines that the applicant has committed a substantial violation of a previously issued permit for a horizontal well, including the applicable erosion and sediment control plan associated with the previously issued permit, or a substantial violation of one or more of the rules promulgated under this article, and in each instance has failed to abate or seek review of the violation within the time prescribed by the secretary pursuant to the provisions of subdivisions (1) and (2), subsection (a), section five of this article and the rules promulgated hereunder, which time may not be unreasonable.

Pursuant to West Virginia Code § 22-6A-10(g), any person entitled to submit written comments to the secretary pursuant to subsection (a), section eleven of this article, shall also be entitled to receive from the secretary a copy of the permit as issued or a copy of the order modifying or denying the permit if the person requests receipt of them as a part of the written comments submitted concerning the permit application. Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

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Office of Oil and Gas
AUG 16 2021
WV Department of
Environmental Protection

WW-6A
(8-13)

API NO. 47- _____ - _____
OPERATOR WELL NO. 7H _____
Well Pad Name: McClellan _____

Notice is hereby given by:

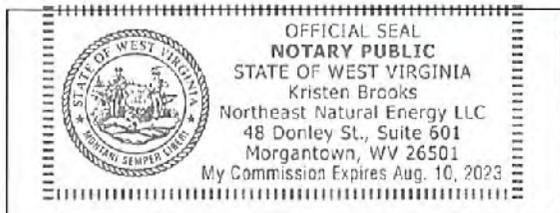
Well Operator: Northeast Natural Energy LLC
Telephone: 304-212-0422
Email: hmedley@nne-llc.com

Address: 707 Virginia Street E, Suite 1200
Charleston, WV 25301
Facsimile: 304-241-5972

Oil and Gas Privacy Notice:

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

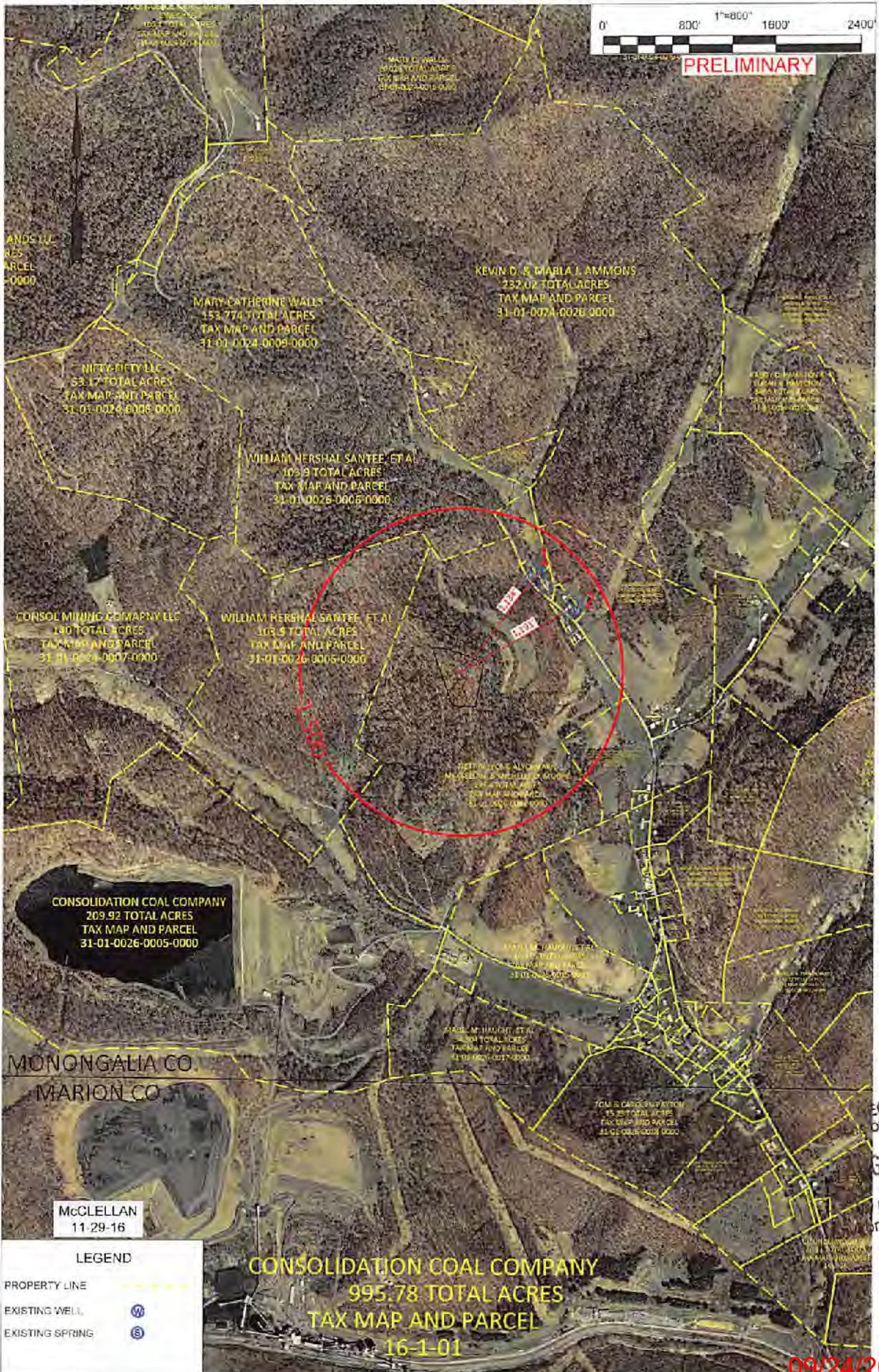
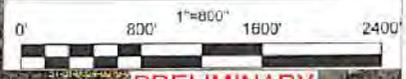
Halle Meacham



Subscribed and sworn before me this 4th day of August 2021
Kristen Brooks Notary Public
My Commission Expires August 10, 2023

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Office of Oil and Gas
AUG 16 2021
WV Department of
Environmental Protection

09/24/2021



LANDS LLC
RES
PARCEL
0000

5021 ACRES
105.4 TOTAL ACRES
TAX MAP AND PARCEL
31-01-0024-0001-0000

MATT C. WALLS
800.2 TOTAL ACRES
TAX MAP AND PARCEL
31-01-0024-0001-0000

MARY CATHERINE WALLS
153.774 TOTAL ACRES
TAX MAP AND PARCEL
31-01-0024-0009-0000

KEVIN D. & MARIA L. AMMONS
232.02 TOTAL ACRES
TAX MAP AND PARCEL
31-01-0024-0026-0000

NICTY-NITY LLC
53.17 TOTAL ACRES
TAX MAP AND PARCEL
31-01-0024-0005-0000

WILLIAM PERSHAL SANTEE ET AL
109.9 TOTAL ACRES
TAX MAP AND PARCEL
31-01-0026-0005-0000

CONSOL MINING COMPANY LLC
190 TOTAL ACRES
TAX MAP AND PARCEL
31-01-0024-0007-0000

WILLIAM PERSHAL SANTEE ET AL
108.9 TOTAL ACRES
TAX MAP AND PARCEL
31-01-0026-0005-0000

CONSOLIDATION COAL COMPANY
209.92 TOTAL ACRES
TAX MAP AND PARCEL
31-01-0026-0005-0000

DETTMACKER ALCOHOLIC
MUSEUM & RESTAURANT MOORE
124 TOTAL ACRES
TAX MAP AND PARCEL
31-01-0026-0005-0000

DAVID M. HALLGREN ET AL
141.2 TOTAL ACRES
TAX MAP AND PARCEL
31-01-0026-0005-0000

TOM B. CARROLL & SUTTON
45.25 TOTAL ACRES
TAX MAP AND PARCEL
31-01-0026-0005-0000

MONONGALIA CO.
MARION CO.

McCLELLAN
11-29-16

LEGEND

PROPERTY LINE	
EXISTING WELL	
EXISTING SPRING	

CONSOLIDATION COAL COMPANY
995.78 TOTAL ACRES
TAX MAP AND PARCEL
16-1-01

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Environmental Protection

09/24/2021

Surface Owner(s):

Klondike Real Estate Partnership
107 2nd Avenue
Columbia, TN 38401



Surface Owner(s) – Road and/or Other Disturbance:

Klondike Real Estate Partnership
107 2nd Avenue
Columbia, TN 38401

Coal Owner(s) or Lessee(s):

Murray Energy Corporation & Consolidation Coal Company
46226 National Road
St. Clairsville, OH 43950

PT Power LLC
PO Box 605
Milton, WV 25541

Coal Operator(s)

Murray Energy Corporation & Consolidation Coal Company
46226 National Road
St. Clairsville, OH 43950

Surface Owner of Water Well and/or Water Purveyor(s)

Mary C. Walls
26 Log Cabin Lane
Bridgeport, WV 26330

Mildred T. Greene
3161 Crossroads Road
Fairview, WV 26570

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

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

Date of Notice: 6/8/2016 **Date of Planned Entry:** 6/15/2016

Delivery method pursuant to West Virginia Code § 22-6A-10a

- PERSONAL SERVICE
 REGISTERED MAIL
 METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION

Pursuant to West Virginia Code § 22-6A-10(a), Prior to filing a permit application, the operator shall provide notice of planned entry on to the surface tract to conduct any plat surveys required pursuant to this article. Such notice shall be provided at least seven days but no more than forty-five days prior to such entry to: (1) The surface owner of such tract; (2) to any owner or lessee of coal seams beneath such tract that has filed a declaration pursuant to section thirty-six, article six, chapter twenty-two of this code; and (3) any owner of minerals underlying such tract in the county tax records. The notice shall include a statement that copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, which statement shall include contact information, including the address for a web page on the Secretary's web site, to enable the surface owner to obtain copies from the secretary.

Notice is hereby provided to:

SURFACE OWNER(s)

Name: see attached
Address: _____

Name: _____
Address: _____

Name: _____
Address: _____

COAL OWNER OR LESSEE

Name: see attached
Address: _____

MINERAL OWNER(s)

Name: see attached
Address: _____

*please attach additional forms if necessary

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct a plat survey on the tract of land as follows:

State:	<u>West Virginia</u>	Approx. Latitude & Longitude:	<u>39.6216, -80.2786</u>
County:	<u>Monongalia</u>	Public Road Access:	<u>SR 1577 (Harvey Run Road)</u>
District:	<u>Battelle</u>	Watershed:	<u>Upper Monongahela River</u>
Quadrangle:	<u>Mannington</u>	Generally used farm name:	<u>McClellan</u>

Copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450). Copies of such documents or additional information related to horizontal drilling may be obtained from the Secretary by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Notice is hereby given by:

Well Operator: Northeast Natural Energy LLC
Telephone: (304) 212-0422
Email: hmedley@nne-llc.com

Address: 707 Virginia Street East, Suite 1200
Charleston, WV 25301
Facsimile: (304) 241-5972

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Environmental Protection

Oil and Gas Privacy Notice:

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

09/24/2021

McClellan Pad

Surface Owner – Drill Site/Access Road

Nettiealyce McClellan and Michelle D. Moore
113 Poplar Street
Dickson, TN 37055

Alycemarie McClellan
3601 N. Highland Ave.
Tampa, FL 33603

Mineral Owner

Barbara June Sutton
2228 Decature Road
Wilmington, DE 19810

Stephen R. Sutton and Douglas B. Sutton
591 Henderson Road
Bel Air, MD 21204

Eric Carl Malmgren
228 1st Ave
Estell Manor, NJ 08319

Coal Owner

Consol Mining Company LLC
CNX Center
1000 Consol Energy Drive
Canonsburg, PA 15317

Murray Energy Corporation
46226 National Road
St. Clairsville, OH 43950

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09/24/2021

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF INTENT TO DRILL

Pursuant to W. Va. Code § 22-6A-16(b), the Notice of Intent to Drill is only required if the notice requirements of W. Va. Code § 22-6A-10(a) have NOT been met or if the Notice of Intent to Drill requirement has NOT been waived in writing by the surface owner.

Notice Time Requirement: Notice shall be provided at least **TEN (10)** days prior to filing a permit application.

Date of Notice: 08/04/2021 **Date Permit Application Filed:** 08/14/2021

Delivery method pursuant to West Virginia Code § 22-6A-16(b)

HAND DELIVERY **CERTIFIED MAIL, RETURN RECEIPT REQUESTED**

Pursuant to W. Va. Code § 22-6A-16(b), at least ten days prior to filing a permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner notice of its intent to enter upon the surface owner's land for the purpose of drilling a horizontal well: *Provided*, That notice given pursuant to subsection (a), section ten of this article satisfies the requirements of this subsection as of the date the notice was provided to the surface owner: *Provided, however*, That the notice requirements of this subsection may be waived in writing by the surface owner. The notice, if required, shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative.

Notice is hereby provided to the SURFACE OWNER(s):

Name: Klondike Real Estate Partnership
Address: 107 2nd Ave.
Columbia, TN 38401

Name: _____
Address: _____

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-16(b), notice is hereby given that the undersigned well operator has an intent to enter upon the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

State: <u>West Virginia</u>	UTM NAD 83	Easting: <u>561897.7</u>
County: <u>Monongalia</u>		Northing: <u>4386010.5</u>
District: <u>Battelle</u>	Public Road Access: <u>SR 15/7 (Harvey Run Road)</u>	
Quadrangle: <u>Mannington</u>	Generally used farm name: <u>McClellan</u>	
Watershed: <u>Upper Monongahela</u>		

This Notice Shall Include:

Pursuant to West Virginia Code § 22-6A-16(b), this notice shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Notice is hereby given by:

Well Operator: Northeast Natural Energy LLC
Address: 707 Virginia Street E., Suite 1200
Charleston, WV 25301
Telephone: 304-414-7050
Email: hmedley@nne-llc.com
Facsimile: 304-414-7061

Authorized Representative: Holly Medley, Regulatory Manager
Address: 48 Donley Street, Suite 601 **RECEIVED**
Morgantown, WV 26501 **Office of Oil and Gas**
Telephone: 304-212-0422 **AUG 16 2021**
Email: hmedley@nne-llc.com
Facsimile: 304-241-5972 **WV Department of Environmental Protection**

Oil and Gas Privacy Notice:

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

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

Notice Time Requirement: notice shall be provided no later than the **filing date of permit application.**

Date of Notice: 08/04/2021 **Date Permit Application Filed:** 09/14/2021

Delivery method pursuant to West Virginia Code § 22-6A-16(c)

- CERTIFIED MAIL HAND
RETURN RECEIPT REQUESTED DELIVERY

Pursuant to W. Va. Code § 22-6A-16(c), no later than the date for filing the permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner whose land will be used for the drilling of a horizontal well notice of the planned operation. The notice required by this subsection shall include: (1) A copy of this code section; (2) The information required to be provided by subsection (b), section ten of this article to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. (d) The notices required by this section shall be given to the surface owner at the address listed in the records of the sheriff at the time of notice.

Notice is hereby provided to the SURFACE OWNER(s)
(at the address listed in the records of the sheriff at the time of notice):

Name: <u>Klondike Real Estate Partnership</u>	Name: _____
Address: <u>107 2nd Ave.</u>	Address: _____
<u>Columbia, TN 38401</u>	_____

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-16(c), notice is hereby given that the undersigned well operator has developed a planned operation on the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

State: <u>West Virginia</u>	UTM NAD 83	Easting: <u>581897.7</u>
County: <u>Monongalia</u>		Northing: <u>4386010.6</u>
District: <u>Battelle</u>	Public Road Access: <u>SR 15/7 (Harvey Run Road)</u>	
Quadrangle: <u>Mannington</u>	Generally used farm name: <u>McClellan</u>	
Watershed: <u>Upper Monongahela</u>		

This Notice Shall Include:

Pursuant to West Virginia Code § 22-6A-16(c), this notice shall include: (1) A copy of this code section; (2) The information required to be provided by W. Va. Code § 22-6A-10(b) to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Well Operator: Northeast Natural Energy LLC
Telephone: 304-212-0422
Email: hmedley@nne-llc.com

Address: 707 Virginia Street East, Suite 1200
Charleston, WV 25301
Facsimile: 304-241-5972

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Office of Oil and Gas
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WV Department of
Environmental Protection

09/24/2021

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

State:	<u>West Virginia</u>	UTM NAD 83 Easting:	<u>561895.5</u>
County:	<u>Monongalia</u>	UTM NAD 83 Northing:	<u>4386016.3</u>
District:	<u>Battelle</u>	Public Road Access:	<u>SR 15/7 (Harvey Run Rd)</u>
Quadrangle:	<u>Mannington</u>	Generally used farm name:	<u>McClellan</u>
Watershed:	<u>Upper Monongahela</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>FOR EXECUTION BY A NATURAL PERSON</p> <p>Signature: _____</p> <p>Print Name: _____</p> <p>Date: _____</p>
	<p>FOR EXECUTION BY A CORPORATION, ETC.</p> <p>Company: <u>American Consolidated Natural Resources</u></p> <p>By: <u>Steve Bair</u></p> <p>Its: <u>Coal, Oil and Gas Relations Manager</u></p> <p>Signature: </p> <p>Date: <u>08/24/2021</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 or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

09/24/2021



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
Division of Highways

1900 Kanawha Boulevard East • Building Five • Room 110
Charleston, West Virginia 25305-0430 • (304) 558-3505

Byrd E. White, III
Secretary of Transportation/
Commissioner of Highways

Jimmy Wriston, P. E.
Deputy Secretary/
Deputy Commissioner

July 1, 2021

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

Subject: DOH Permit for the McClellan Pad, Monongalia County
McClellan 7H Well Site

Dear Mr. Martin,

This well site will be accessed from a DOH permit #04-2016-0674 which has been issued to Northeast Natural Energy LLC for access to the State Road for a well site located off Monongalia County Route 15/7 SLS MP 0.564.

This operator is in compliance with §22-6A-20 of the WV Code. Operator has signed a DISTRICT WIDE OIL AND GAS ROAD MAINTENANCE BONDING AGREEMENT and provided the required Bond. This operator is currently in compliance with the DOH OIL AND GAS POLICY dated October 1, 2018. This letter is valid for permitting purposes for one year from the date of this letter.

Very Truly Yours,

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

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

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Planned Additives To Be Used In Fracturing Stimulations

Trade Name	Purpose	Ingredients	Cemical Abstract Service Numner (CAS#)
Water	Carrier	Water	7732-18-5
HCl, 10.1-15%	Acidizing	Hydrochloric Acid Water	7647-01-0 7732-18-5
Alpha 1427	Biocide	Alkyl Dimethyl Benzyl Ammonium Chloride (C12-16) Ethanol Glutaraldehyde Quaternary Ammonium Chloride Water	68424-85-1 64-17-5 111-30-8 7173-51-5 7732-18-5
Enzyme G-NE	Breaker	Hemicellulase Enzyme Concentrate Water	9025-56-3 7732-18-5
CI-14	Corrosion Inhibitor	Fatty Acids Methanol Olefin Polyozyalkylenes Propargyl Alcohol	NA 67-56-1 NA NA 107-19-7
GW-3LDF	Gelling Agent	Guar Gum Petroleum Distillate Blend	9000-30-0 CBI
FRW-18	Friction Reducer	Hydrotreated Light Distillate	64742-47-8
Ferrotrol 300L	Iron Crontrol	Citric Acid	77-92-9
Sand, White, 40/70	Proppant	Cystalline Silica (Quartz)	14808-60-7
Sand, White, 100 mesh	Proppant	Cystalline Silica (Quartz)	14808-60-7
Scaletrol 720	Scale Inhibitor	Diethylene Glycol	111-46-6

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MCCLELLAN WELL PAD AS-BUILT BATTELLE DISTRICT, MONONGALIA COUNTY, WV AUGUST 2018

WEST VIRGINIA 811

TWO WORKING DAYS PRIOR TO EXCAVATION, THE CONTRACTOR MUST CONTACT THE WV ONE CALL SYSTEM, INC., 1-800-245-4848 (WV ONE CALL TICKET#1617275189)

SHEET INDEX
1. TITLE SHEET
2-3. EVACUATION ROUTE/PREVAILING WIND
4. AS-BUILT OVERVIEW
5-6. ASBUILT
7. ACCESS ROAD PROFILE
8. RECLAMATION PLAN OVERVIEW
9-10. RECLAMATION PLAN
11. DETAILS

TOTAL DISTURBED AREA: 28.9 AC.
ACCESS ROAD DISTURBED AREA: 16.1 AC.
WELL PAD DISTURBED AREA: 12.8 AC.
ACCESS ROAD LENGTH: 2,443'
ACCESS ROAD AVG. WIDTH: 20'
WELL PAD ELEVATION: 1411.70'

PLANS PREPARED BY:
BOORD BENCHEK & ASSOCIATES, INC.
ENGINEERING, SURVEYING, CONSTRUCTION AND MINING SERVICES
SOUTHPOINTE, PA 15317 PHONE: 724-746-1055



Andrew Benchek 8-1-18

ANDREW BENCHEK
P.E.

OWNER



**WVDEP OOG
ACCEPTED AS-BUILT**

WJ 1/16/2019

PROPERTY OWNER DISTURBANCE
NETREALTY & ALYCE-MARIE MCCLELLAN, & MICHELLE D. MOORE (31-01-0026-007-0000): 28.9 AC.



IN ACCORDANCE WITH WV 35 CSR 8 THE FOLLOWING EROSION & SEDIMENT CONTROL PLAN HAS BEEN DESIGNED IN ACCORDANCE WITH BEST MANAGEMENT PRACTICES ESTABLISHED BY THE CHIEF AND PROVIDED IN THE OFFICE'S EROSION AND SEDIMENT CONTROL FIELD MANUAL, A GENERAL CONSTRUCTION SEQUENCE, DESCRIPTION OF STABILIZATION METHODS, AND DETAILS & SPECIFICATIONS FOR EROSION & SEDIMENT BEST MANAGEMENT PRACTICES HAVE BEEN INCLUDED IN THE PROVIDED DETAIL SHEETS.

REVISIONS	
NO.	DESCRIPTION

TITLE SHEET
MCCLELLAN WELL PAD
BATTELLE DISTRICT, MONONGALIA COUNTY, WV

SHEET
1
OF
11

COORDINATES

CENTER OF WELLS
(NAD 83)
LAT: 39° 37' 17.9"
LONG: 80° 16' 43.0"
(NAD 27)
LAT: 39° 37' 17.6"
LONG: 80° 16' 43.7"

SITE ENTRANCE
(NAD 83)
LAT: 39° 36' 54.8"
LONG: 80° 16' 45.1"
(NAD 27)
LAT: 39° 36' 54.5"
LONG: 80° 16' 45.8"



1"=1000'

WJK 1/14/2019

