




---

 west virginia department of environmental protection
 

---

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

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

Wednesday, January 16, 2019  
 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 5H  
 47-061-01819-00-00

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 5H  
 Farm Name: ALYCEMARIE MCCLELLAN  
 U.S. WELL NUMBER: 47-061-01819-00-00  
 Horizontal 6A New Drill  
 Date Issued: 1/16/2019

# 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.

## 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](mailto:DEPOOGNotify@wv.gov).



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: McClellan 5H Well Pad Name: McClellan

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

4) Elevation, current ground: 1,440' Elevation, proposed post-construction: 1,408.6'

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

Other NA

(b) If Gas Shallow  Deep NA

Horizontal

6) Existing Pad: Yes or No Yes *MSJK 8/30/2018*

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):  
MARCELLUS, 8,160', 103', 3600 PSI

8) Proposed Total Vertical Depth: 8,160'

9) Formation at Total Vertical Depth: MARCELLUS

10) Proposed Total Measured Depth: 18,393' ✓

11) Proposed Horizontal Leg Length: 9,644'

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: 190'; 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  No

(a) If Yes, provide Mine Info: Name: Marion County Coal Company Mine  
Depth: 1,107'  
Seam: Pittsburgh  
Owner: Murray Energy Corporation & Consolidation Coal Company

RECEIVED  
Office of Oil and Gas  
SEP 6 2018  
WV Department of  
Environmental Protection

WW-6B  
(04/15)

18) CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	24"	New	NA	94.71	40' ✓	40'	GTS
Fresh Water	13-3/8"	New	J-55	54.5	1,230' ✓	1,200'	CTS
Coal					NA	NA	
Intermediate	9-5/8"	New	J-55	40	2,680' ✓	2,650'	CTS
Production	5-1/2"	New	P-110	20	18,393' ✓	18,363'	4,355 Cu. Ft.
Tubing	2-3/8"	New	P-110	4.7	NA	8,500'	NA
Liners							

*MJK 8/30/2018*

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	24"	30"	.375"	415		4,500 psi Grout	NA
Fresh Water	13-3/8"	17 1/2"	.38"	2,760	2,000	Class A	1.23
Coal							
Intermediate	9-5/8"	12 1/4"	.395"	3,950	3,000	Class A	1.3
Production	5-1/2"	8 3/4"	.361"	12,530	9,700	50:50 Poz	1.21
Tubing	2-7/8"	NA	.217"	10,570	3,600	NA	NA
Liners							

PACKERS

Kind:				
Sizes:				
Depths Set:				

RECEIVED  
Office of Oil and Gas  
SEP 6 2018  
WV Department of  
Environmental Protection

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

Drilling and completion of a horizontal Marcellus well. The well will be drilled on air to an approximate depth of 6,994' TVD/MD. The well will then be horizontally drilled on synthetic based mud from the KOP to approximately 8,160' TVD / 18,393.24' MD along a 326 degree azimuth.

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

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

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 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 and intermediate casing strings will have bow spring centralizers placed every third joint (~120') from the shoe joint to surface. Production casing will have rigid body centralizers placed at a minimum of every fourth joint (~160') from TD to surface.

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

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

25) Proposed borehole conditioning procedures:

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

\*Note: Attach additional sheets as needed.

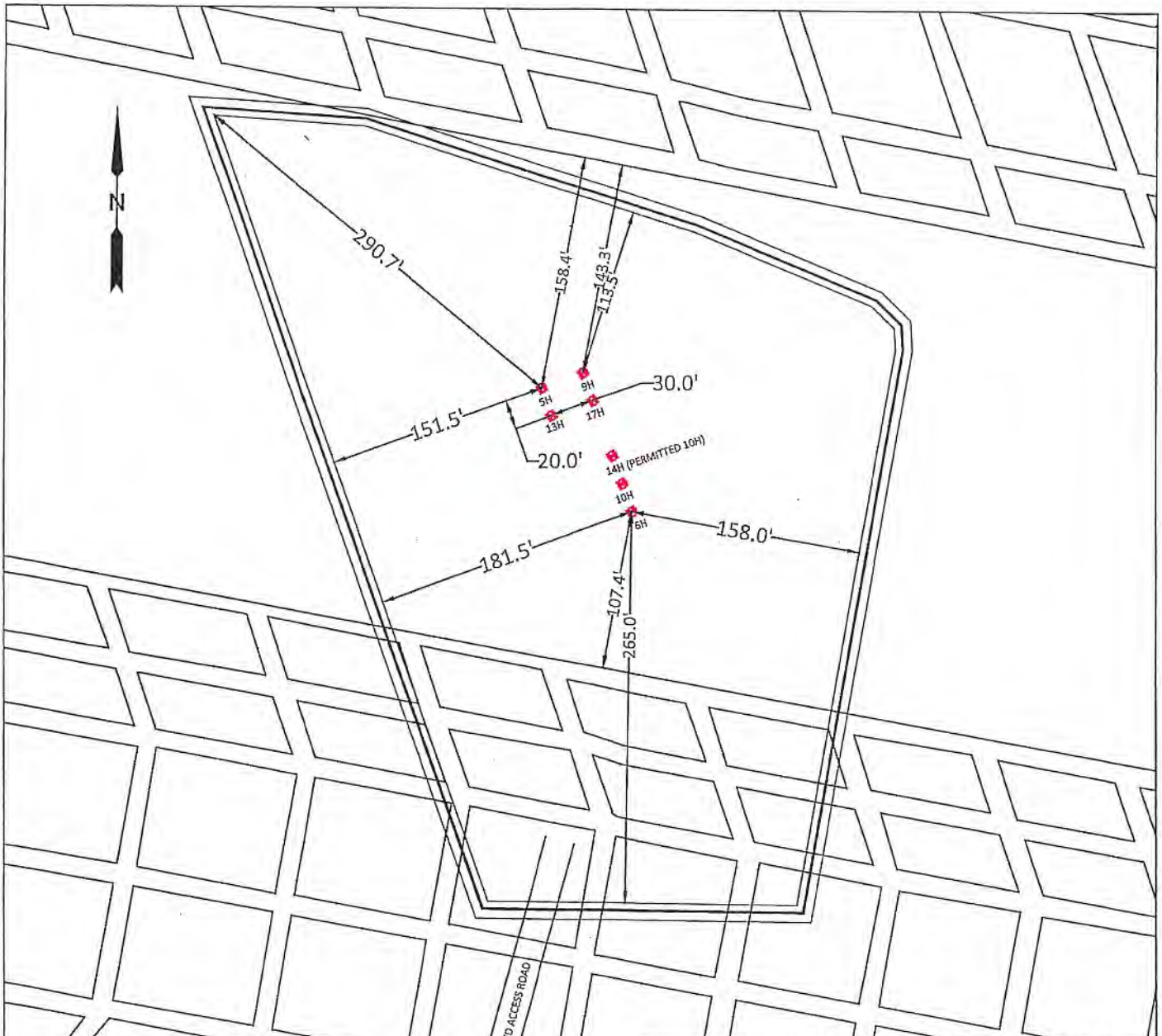
RECEIVED  
Office of Oil and Gas  
SEP 6 2018  
WV Department of  
Environmental Protection

## McClellan 5H Area of Review

API Number	Well Name	Well Number	Operator	Latitude (NAD 27)	Longitude (NAD 27)	TMP	TVD	Comments
061-00495	Agnes L Tennant	4	East Resources, Inc.	39.628321	-80.28149	1-24-9	3173'	Plugged - 7/9/2010 ✓
061-00881	John Mason	NA	Eastern Associated / Peabody Coal Company	39.640791	-80.290123	1-24-3	NA	Plugged - 9/30/1988 ✓

RECEIVED  
Office of Oil and Gas  
SEP 6 2018  
WV Department of  
Environmental Protection





WELL NUMBER	API NUMBER	STATUS
5H	N/A	PROPOSED
6H	N/A	PROPOSED
9H	N/A	PROPOSED
10H	N/A	PROPOSED
13H	N/A	PROPOSED
14H	N/A	PROPOSED
17H	N/A	PROPOSED

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: 8/8/18

**LEGEND**

- = PROPOSED WELL
- = EXISTING WELL

RECEIVED  
 WV Department of  
 Environmental Protection  
 SEP 6 2018



## 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.

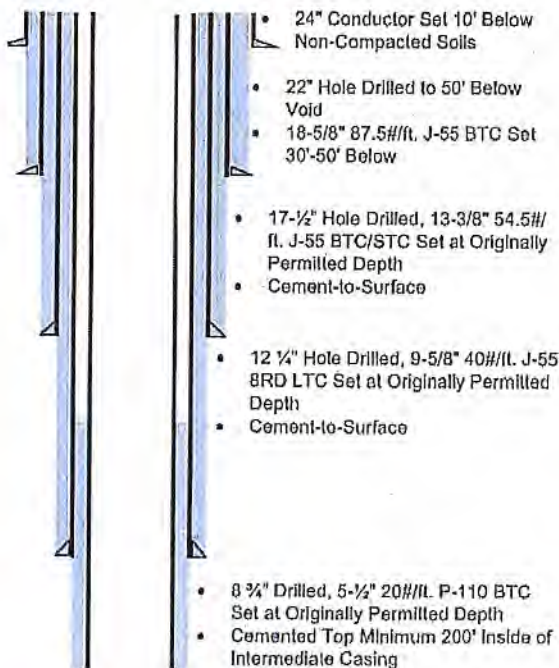
All casings programs submitted to the state incorporate the use of a 24" conductor over the previously used 20" that has long been the industry standard for a typical Marcellus design. The use of 24" conductor casing allows the use of a 22" bit to ream the surface hole, and drill 50' below the void to 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.

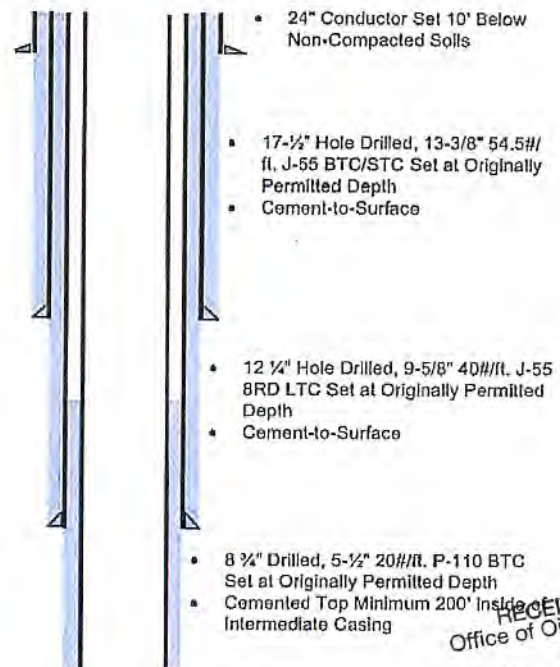
With the use of these string sizes and techniques, the surface and intermediate strings do not need to be altered. After a proper WOC time, the surface section of the well would continue to be drilled with a 17-1/2" bit and the 13-3/8" 54.50#/ft freshwater casing would be set at the originally permitted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



RECEIVED  
Office of Oil and Gas  
SEP 6 2018  
WV Department of Environmental Protection





API Number 47 - \_\_\_\_\_ - \_\_\_\_\_  
Operator's Well No. McClellan 5H

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 Mannington

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

RECEIVED  
Office of Oil and Gas  
SEP 6 2018

Subscribed and sworn before me this 29th day of August, 2018, 20  
Kristen Brooks Notary Public

My commission expires August 10, 2023



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: [Signature]

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Title: Inspector

Date: 8/30/2018

Field Reviewed? (  ) Yes (  ) No

RECEIVED  
Office of Oil and Gas  
SEP 6 2018  
WV Department of  
Environmental Protection



## Attachment A to WW-9

Northeast Natural Energy LLC (“NNE”) plans to utilize a closed loop process for its drilling of the McClellan 5H 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.

McClellan 5H 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)

RECEIVED  
Office of Oil and Gas  
SEP 6 2018

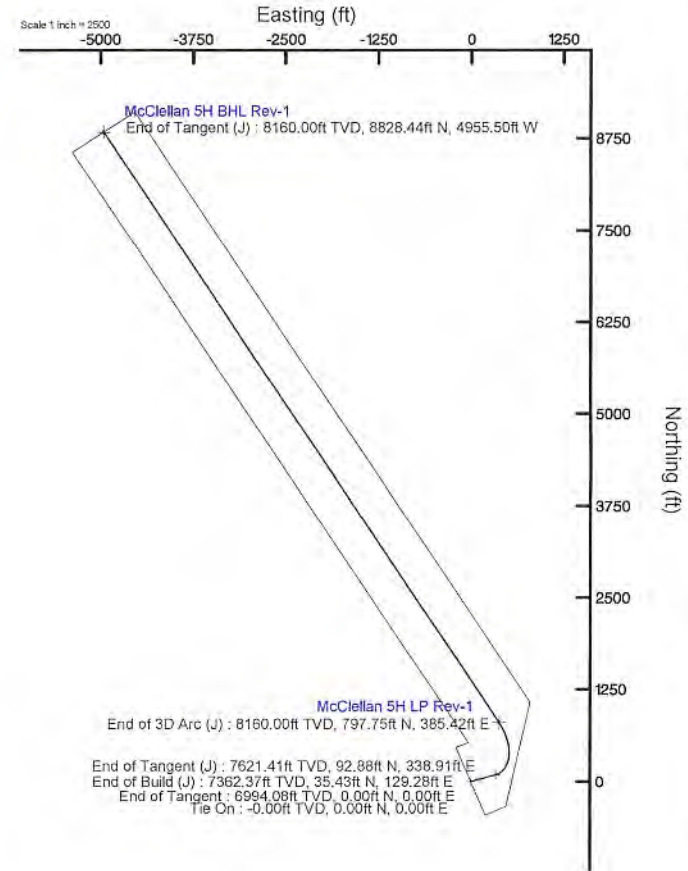
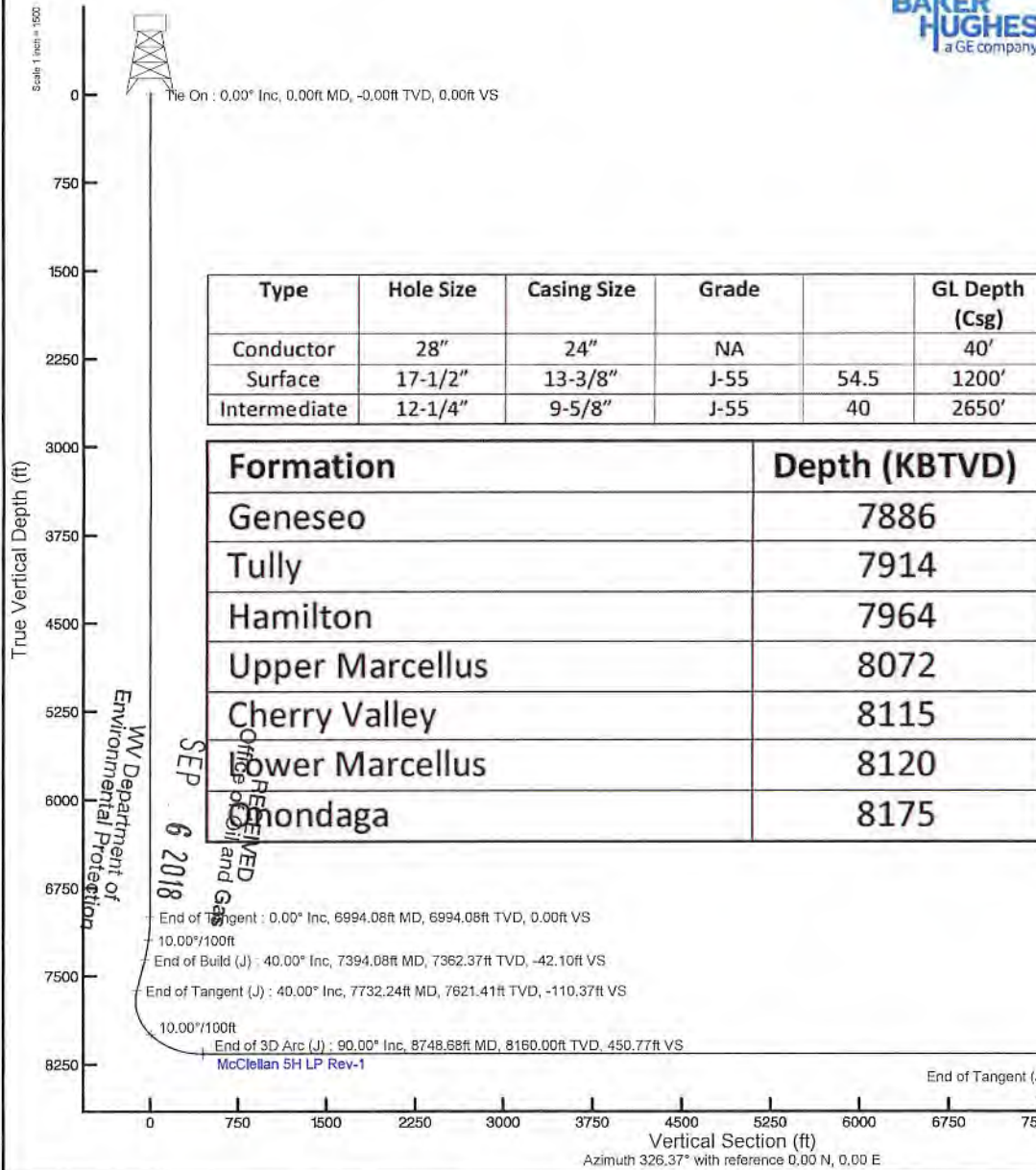
WV Department of  
Environmental Protection

# NORTHEAST NATURAL ENERGY, LLC

Location: Monongalia County, WV      Slot: Slot #05  
 Field: Monongalia      Well: McClellan 5H  
 Facility: McClellan Pad      Wellbore: McClellan 5H PWB



Location Information				
Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
McClellan Pad	1749185.000	409495.900	39°37'18.021"N	80°16'42.819"W
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)
Slot #05	26.80	-52.20	1749132.800	409522.700
Ground Level (GL) to Ground level (At Slot Slot#05)			0ft	
Mean Sea Level to Ground level (At Slot Slot#05)			-1408ft	
Ground Level (GL) to Mean Sea Level			1408ft	



WV Department of Environmental Protection  
 RECEIVED  
 Office of Oil and Gas  
 SEP 6 2018



# northeast

NATURAL ENERGY

## McClellan 5H

### SITE SAFETY PLAN

August 10, 2018

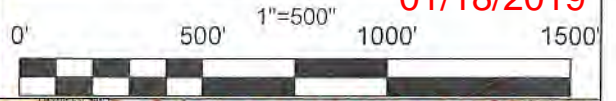
*Wayne J. Kuntz*  
8/30/2018

RECEIVED  
Office of Oil and Gas  
SEP 6 2018  
WV Department of  
Environmental Protection









WILLIAM HERSHAL SANTEE, ET AL  
103.9 TOTAL ACRES  
TAX MAP AND PARCEL  
31-01-0026-0006-0000

PRELIMINARY

MILDRED U. GREEN  
45.0 TOTAL ACRES  
TAX MAP AND PARCEL  
31-01-0026-0007-0004

WILLIAM HERSHAL SANTEE, ET AL  
103.9 TOTAL ACRES  
TAX MAP AND PARCEL  
31-01-0026-0006-0000

NETTIEALYCE & ALYCEMARIE  
MCLELLAN, & MICHELLE D. MOORE  
129.4 TOTAL ACRES  
TAX MAP AND PARCEL  
31-01-0026-0007-0000

RUTH WOODRIDGE SUBMERSE, (DECEASED), JOHN  
WOODRIDGE & MICHAEL CHARLES WOODRIDGE, S  
ANDREW AND ROBERTA S. FINNICH WIFE  
10.84 TOTAL ACRES  
TAX MAP AND PARCEL  
31-01-0026-0001-0001

KEVIN DICK MARLA J. JAMMONS  
20.689 TOTAL ACRES  
TAX MAP AND PARCEL  
31-01-0026-0014-0000

MABEL M. HAUGHT, ET AL  
44.255 TOTAL ACRES  
TAX MAP AND PARCEL  
31-01-0026-0015-0000

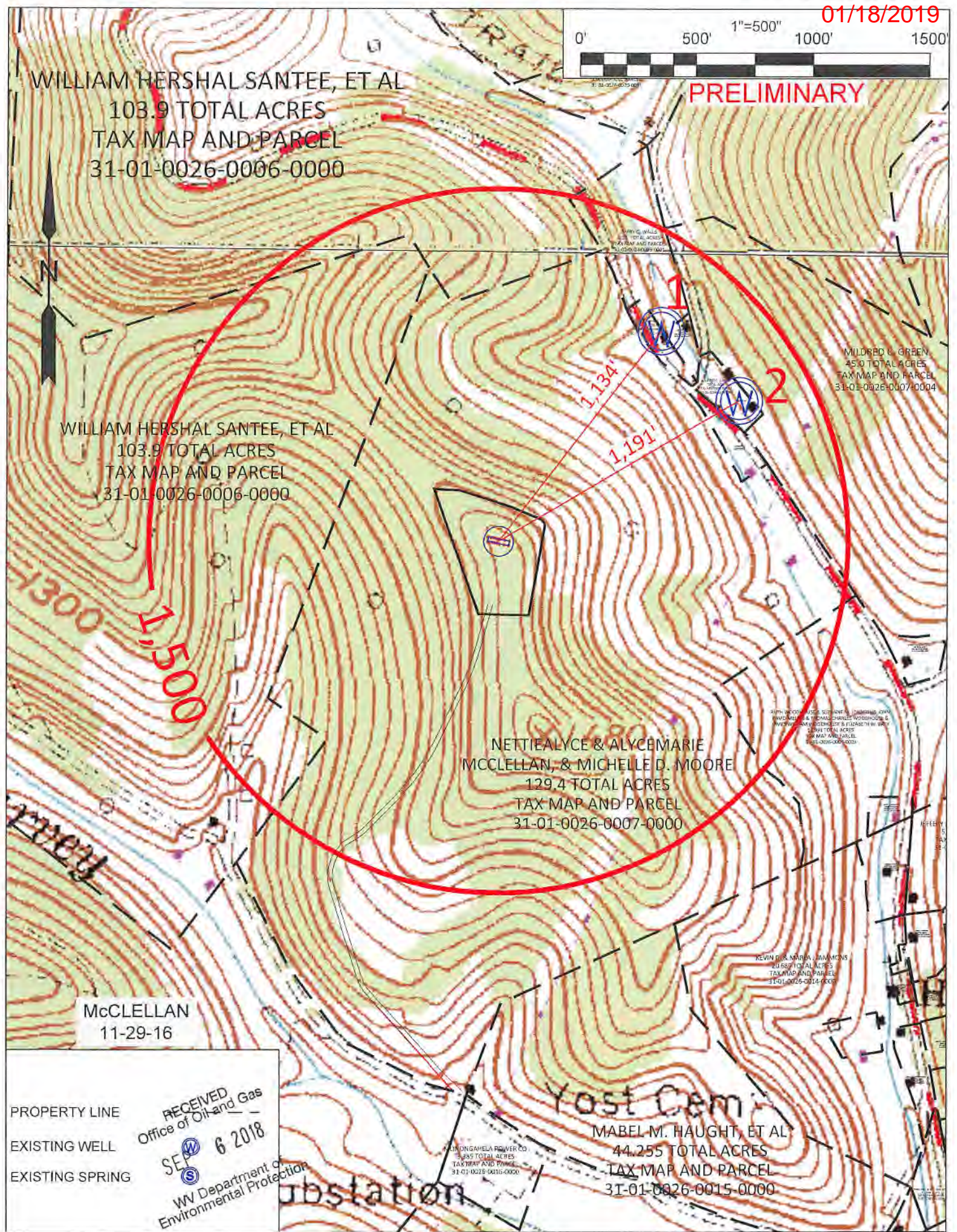
INDINGAMELA POWELL CO.  
3.89 TOTAL ACRES  
TAX MAP AND PARCEL  
31-01-0026-0010-0000

McCLELLAN  
11-29-16

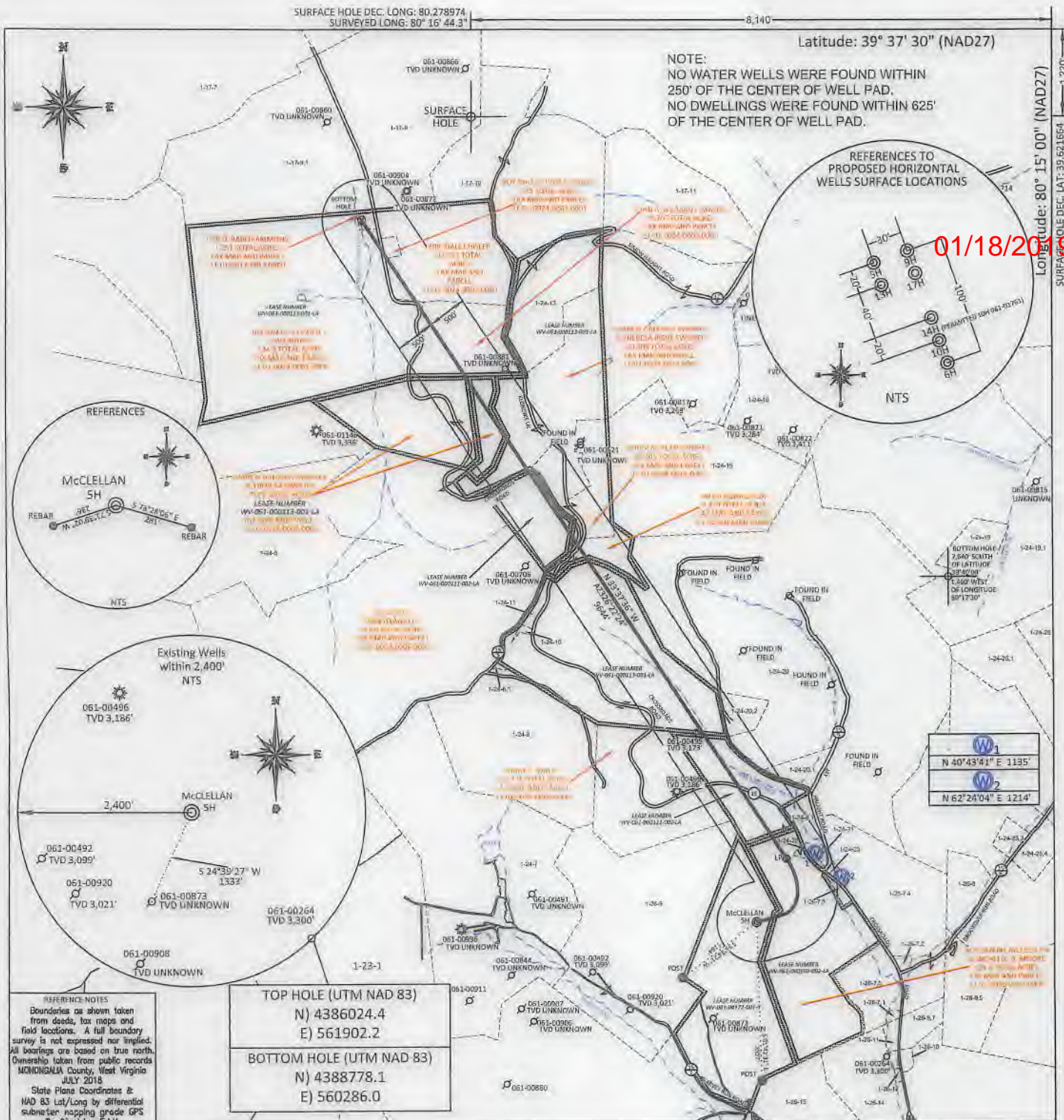
PROPERTY LINE  
EXISTING WELL  
EXISTING SPRING

RECEIVED  
Office of Oil and Gas  
SEP 6 2018  
WV Department of  
Environmental Protection

Yost Cem  
substation







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

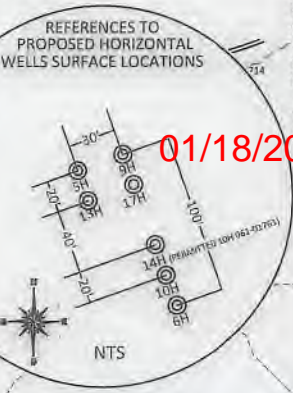
Latitude: 39° 37' 30" (NAD27)

Longitude: 80° 15' 00" (NAD27)



REFERENCE NOTES  
 Boundaries as shown taken from deeds, tax maps and field locations. A full boundary survey is not expressed nor implied. All bearings are based on true north. Ownership taken from public records MONONGALIA County, West Virginia JULY 2018. State Plane Coordinates & NAD 83 Lat/Long by differential submeter mapping grade GPS Drafted by EAM.

TOP HOLE (UTM NAD 83)  
 N) 4386024.4  
 E) 561902.2  
 BOTTOM HOLE (UTM NAD 83)  
 N) 4388778.1  
 E) 560286.0



01/18/2018

FILE #: NNE14  
 DRAWING #: 2845  
 SCALE: PLAT: 1" = 1800'  
 TICK: 1" = 2000'  
 MINIMUM DEGREE OF ACCURACY: 1/200  
 PROVEN SOURCE OF ELEVATION: SUBMETER MAPPING GRADE GPS

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



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP  
 OFFICE OF OIL & GAS  
 601 57TH STREET  
 CHARLESTON, WV 25304  
 Well Type:  Oil  Waste Diposal  Production  Deep  
 Gas  Liquid Injection  Storage  Shallow

WATERSHED: UPPER MONONGAHELA  
 COUNTY/DISTRICT: MONONGALIA / BATTELLE  
 SURFACE OWNER: ALYCEMARIE MCCLELLAN & MICHELLE D. MOORE  
 OIL & GAS ROYALTY OWNER: Barbara June Sutton, et al  
 LEASE NUMBERS: \_\_\_\_\_

DATE: AUGUST 22, 2018  
 OPERATOR'S WELL #: McCLELLAN NO. 5H  
 API WELL #: 47 61 01819  
 STATE COUNTY PERMIT

AS-BUILT ELEVATION: 1,411.7'  
 QUADRANGLE: MANNINGTON  
 ACREAGE: 892.373 +/-  
 ACREAGE: 129.4 +/-

TARGET FORMATION: MARCELLUS  
 ESTIMATED DEPTH: TVD: 8,160' TMD: 18,393'  
 WELL OPERATOR: NORTHEAST NATURAL ENERGY LLC  
 DESIGNATED AGENT: JOHN ADAMS  
 ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200  
 ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200  
 CITY: CHARLESTON STATE: WV ZIP CODE: 25301  
 CITY: CHARLESTON STATE: WV ZIP CODE: 25301

DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE   
 PLUG OFF FORMATION  PERFORATE NEW FORMATION  PLUG & ABANDON   
 CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY): \_\_\_\_\_



WW-6A1  
(5/13)

Operator's Well No. McClellan 5H

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

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

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

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

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

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

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

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

Well Operator: Northeast Natural Energy LLC

By: Hollie Medley *Hollie Medley*

Its: Regulatory Manager



June 18, 2018

Edwin S. Ryan, Jr.  
XTO Energy Inc.  
Land Department, Loc. 115  
22777 Springwoods Village Parkway  
Spring, TX 77389-1425

RECEIVED  
Office of Oil and Gas

DEC 18 REC'D

WV Department of  
Environmental Protection

RECEIVED

JUL 26 2018

LAND DEPARTMENT

App'd. JM  
by TB  
12/23/18

RE: McClellan Northeast Unit, 5H, 9H, 13H and 17H Wells  
Battelle District, Monongalia Co., WV

Dear Mr. Ryan:

Northeast Natural Energy LLC ("Northeast") proposes to drill the above-referenced wells to test the Marcellus Shale formation and all other formations that may be encountered in the wellbores. The coordinates for the approximate surface and bottom hole locations are identified on the Well Location Plats attached.

Currently, the estimated drilling commencement date is scheduled for the 4<sup>th</sup> quarter of 2018.

It has been determined that XTO Energy Inc., referred to as "XTO" has an undivided interest underlying parcels of land containing 81.89 net acres of which 15.23 net acres will be unitized within the McClellan Northeast unit. There are 806.99 acres in the preliminary unit, which is subject to change. The mineral tracts are identified below:

3rd Party (Name)	TMPs #	Net Acreage of mineral tract	Net Acreage Within unit
XTO	26-p/o 7	34.94	9.12
XTO	26-7.3, 7.4	45.96	6.10
XTO	24-23	0.99	0.01
TOTALS:		81.89	15.23

Northeast proposes that XTO contributes its interest in the above-referenced unleased minerals to the proposed unit subject to the following terms and conditions:

1. XTO agrees to contribute the oil and gas interest to the Unit Formations in its Deed to Northeast's proposed McClellan Northeast Unit.



XTO Energy Inc.  
June 18, 2018  
Page 3 of 3

REGENT  
Office of Oil and Gas

DEC 18 REC'D

WV Department of  
Environmental Protection

X XTO hereby elects to participate in the McClellan Northeast Unit (5H, 9H, 13H and 17H Wells).

\_\_\_\_\_ XTO hereby elects not to participate in the McClellan Northeast Unit (5H, 9H, 13H and 17H Wells).

By: Edwin S. Ryan, Jr *ESR*  
Name: Edwin S. Ryan, Jr  
Title: SR VP  
Date: 12/4/18

WW-6A1

McClellan 5H

NNE LEASE NUMBER	LESSOR NAME	LESSEE NAME	ROYALTY	BOOK/	PAGE
WV 061 004172 001	Barbara June Sutton	Northeast Natural Energy LLC	0.125 or Greater	1560	233
WV 061 000109 002 LA	XTO Energy Inc.	Northeast Natural Energy LLC	Agreement	1620	424
WV 061 004172 003	Stephen R. Sutton and Barbara H. Sutton	Northeast Natural Energy LLC	0.125 or Greater	1560	237
WV 061 004172 004	Peggy Lee Burchett and John Burchett	Northeast Natural Energy LLC	0.125 or Greater	1566	353
WV 061 004172 005	David Harold Russell and Pamela Russell	Northeast Natural Energy LLC	0.125 or Greater	1566	355
WV 061 004172 006	Cindy Russell Lee	Northeast Natural Energy LLC	0.125 or Greater	1566	357
WV 061 004172 008	Tamaree Beatrice Littlefield	Northeast Natural Energy LLC	0.125 or Greater	1566	375
WV 061 004172 011	Jerry D. Atwood and Shirley L. Atwood	Northeast Natural Energy LLC	0.125 or Greater	1568	137
WV 061 004172 012	Darlene W. Vorhies	Northeast Natural Energy LLC	0.125 or Greater	1565	736
WV 061 004172 013	Eleanor Carroll	Northeast Natural Energy LLC	0.125 or Greater	1565	734
WV 061 004172 014	Patricia S. Christian and Clayton Christian	Northeast Natural Energy LLC	0.125 or Greater	1565	729
WV 061 004172 015	Garold L. Brown and Mary P. Brown	Northeast Natural Energy LLC	0.125 or Greater	1565	727
WV 061 004172 016	Paulette A. Sawvel	Northeast Natural Energy LLC	0.125 or Greater	1567	495
WV 061 004172 017	Maxine G. Morton, f/k/a Maxine G. Sutton, Life Estate Interest	Northeast Natural Energy LLC	0.125 or Greater	1567	497
WV 061 004172 018	Karen Anita Powers, Remainder Interest	Northeast Natural Energy LLC	0.125 or Greater	1567	499
WV 061 004172 019	Dave Sutton and Alison Sutton, Remainder Interest	Northeast Natural Energy LLC	0.125 or Greater	1570	346
WV 061 004172 020	Douglas Sutton and Andrea Sutton, Remainder Interest	Northeast Natural Energy LLC	0.125 or Greater	1570	348
WV 061 004172 028	Claudia Brown	Northeast Natural Energy LLC	0.125 or Greater	1573	5
WV 061 004172 030	Cynthia K. Leininger	Northeast Natural Energy LLC	0.125 or Greater	1575	284
WV 061 004172 031	Dorothy Mae Johnson	Northeast Natural Energy LLC	0.125 or Greater	1575	254
WV 061 004172 032	Patti L. Leasure	Northeast Natural Energy LLC	0.125 or Greater	1575	256
WV 061 004172 033	Barbara A. Stover and Jack Stover	Northeast Natural Energy LLC	0.125 or Greater	1575	286
WV 061 004172 034	William D. Garrett and Linda Garrett	Northeast Natural Energy LLC	0.125 or Greater	1575	288
WV 061 004172 035	Donna M. Kelley	Northeast Natural Energy LLC	0.125 or Greater	1575	290
WV 061 004172 036	Coralee Garrett	Northeast Natural Energy LLC	0.125 or Greater	1575	292
WV 061 004172 039	Rodona A. Dunfee	Northeast Natural Energy LLC	0.125 or Greater	1575	457
WV 061 004172 040	Ruth A. Garrett	Northeast Natural Energy LLC	0.125 or Greater	1575	497
WV 061 004172 043	Constance Louthen	Northeast Natural Energy LLC	0.125 or Greater	1575	716
WV 061 004172 044	William D. Louthen Jr.	Northeast Natural Energy LLC	0.125 or Greater	1575	718
WV 061 004172 046	Sharon K. Gustina and John Gustina	Northeast Natural Energy LLC	0.125 or Greater	1577	39
WV 061 004172 048	Thomas L. Winland and Martha Winland	Northeast Natural Energy LLC	0.125 or Greater	1577	43
WV 061 004172 055	Michael P. Barr	Northeast Natural Energy LLC	0.125 or Greater	1578	387
WV 061 004172 056	Joyce L. Masser	Northeast Natural Energy LLC	0.125 or Greater	1578	389
WV 061 004172 057	Keith A. Myers and Carol Myers	Northeast Natural Energy LLC	0.125 or Greater	1579	234
WV 061 004172 059	Paula L. Picon	Northeast Natural Energy LLC	0.125 or Greater	1579	227

RECEIVED  
 Office of Oil and Gas  
 SEP 6 2018  
 WV Department of  
 Environmental Protection



WW-6A1

McClellan 5H

NNE LEASE NUMBER	LESSOR NAME	LESSEE NAME	ROYALTY	BOOK/	PAGE
WV 061 004172 064	Jack Williams	Northeast Natural Energy LLC	0.125 or Greater	1580	44
WV 061 004172 067	Debra C. Edwards	Northeast Natural Energy LLC	0.125 or Greater	1580	574
WV 061 004172 069	Jaye Ann Williams	Northeast Natural Energy LLC	0.125 or Greater	1581	299
WV 061 004172 070	Jennifer Williams	Northeast Natural Energy LLC	0.125 or Greater	1581	301
WV 061 004172 071	William B. Winland	Northeast Natural Energy LLC	0.125 or Greater	1581	313
WV 061 004172 072	John Fincke	Northeast Natural Energy LLC	0.125 or Greater	1581	315
WV 061 004172 073	Barbara Uhrig	Northeast Natural Energy LLC	0.125 or Greater	1581	317
WV 061 004172 081	Becki L. Deskin	Northeast Natural Energy LLC	0.125 or Greater	1585	266
WV 061 004172 082	Ora Kay Yarbrough	Northeast Natural Gas LLC	0.125 or Greater	1585	268
WV 061 004172 085	Todd E. Long and Kathy Long	Northeast Natural Energy, LLC	0.125 or Greater	1587	288
WV 061 004172 087	Kelley Kueck	Northeast Natural Energy LLC	0.125 or Greater	1589	230
WV 061 004172 094	Robin Cornett	Northeast Natural Energy LLC	0.125 or Greater	1591	138
WV 061 004172 098	Steven Hawk and Marcia H. Hawk	Northeast Natural Energy LLC	0.125 or Greater	1592	615
WV 061 004172 099	Douglas E. Browning and Denise Browning	Northeast Natural Energy LLC	0.125 or Greater	1592	617
WV 061 004172 100	Avis Anita Gilpin	Northeast Natural Energy LLC	0.125 or Greater	1593	672
WV 061 004172 102	Kevin P. Watson	Northeast Natural Energy LLC	0.125 or Greater	1593	675
WV 061 004172 103	Maria Evanoff and Dusty Evanoff	Northeast Natural Energy LLC	0.125 or Greater	1595	263
WV 061 004172 104	Erin Chacon	Northeast Natural Energy LLC	0.125 or Greater	1595	421
WV 061 004172 106	Billie J. Hodges, fka Billie J. Hawk	Northeast Natural Energy LLC	0.125 or Greater	1600	75
WV 061 004172 108	James Hawk, and His Unknown, Missing, and Abandoning Heirs,	Northeast Natural Energy LLC	0.125 or Greater	1616	495
WV 061 004182 001	Mildred C. Greene	Northeast Natural Energy LLC	0.125 or Greater	1560	243
WV 061 000113 001-LA	SWN Production Company, LLC	Northeast Natural Energy LLC	Agreement	1623	482
WV 061 000111 002-LA	EQT Production Company	Northeast Natural Energy LLC	Agreement	1617	375
WV 061 004223 001	Mary Catherine Walls	Northeast Natural Energy LLC	0.125 or Greater	1568	394
WV 061 004380 001	Thomas N. Cowing	Northeast Natural Energy LLC	0.125 or Greater	1578	448
WV 061 005184 001	Willard L. Dorsey, Jr.	Northeast Natural Energy LLC	0.125 or Greater	1621	764
WV 061 004808 001	Mabel Jean Porter	Northeast Natural Energy LLC	0.125 or Greater	1611	276
WV 061 004808 002	Sandra Rogers	Northeast Natural Energy LLC	0.125 or Greater	1611	278
WV 061 004808 003	Barbara K. Hoover	Northeast Natural Energy LLC	0.125 or Greater	1608	82
WV 061 004808 004	Barbara Mounts	Northeast Natural Energy LLC	0.125 or Greater	1611	215
WV 061 004808 005	Deborah L. DeGarmo	Northeast Natural Energy, LLC	0.125 or Greater	1608	84
WV 061 004808 006	Joseph G. Dorsey	Northeast Natural Energy LLC	0.125 or Greater	1612	108
WV 061 004808 007	Jonathan D. Dorsey	Northeast Natural Energy LLC	0.125 or Greater	1611	217
WV 061 004871 001	Flora C. Acker	Northeast Natural Energy, LLC	0.125 or Greater	1611	255
WV 061 004905 001	Francis Gregory Swisher and Theresa Irene Swisher	Northeast Natural Energy LLC	0.125 or Greater	1618	340

RECEIVED  
 Office of Oil and Gas  
 SEP 6 2018  
 WV Department of  
 Environmental Protection

4706101819 ✓

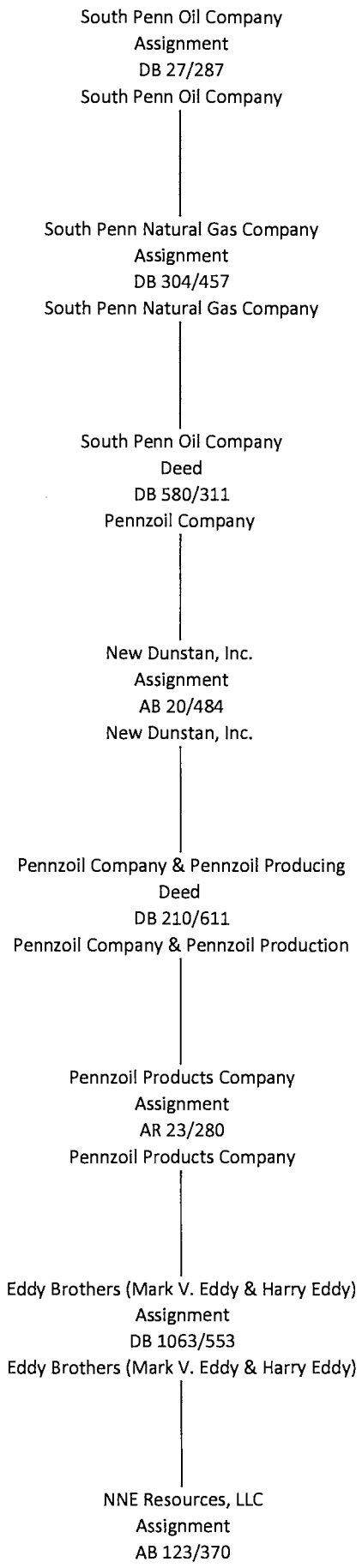
WW-6A1

McClellan 5H

NNE LEASE NUMBER	LESSOR NAME	LESSEE NAME	ROYALTY	BOOK/	PAGE
WV 061 004410 001	Gini Lynn Hoover	Northeast Natural Energy LLC	0.125 or Greater	1579	271
WV 061 004410 002	Ruby W. Verno	Northeast Natural Energy LLC	0.125 or Greater	1591	175
WV 061 004410 003	Barbara K. Hoover and Richard P. Hoover	Northeast Natural Energy, LLC	0.125 or Greater	1591	177
WV 061 004410 004	Deborah L. DeGarmo and Kenneth L. DeGarmo	Northeast Natural Energy, LLC	0.125 or Greater	1591	179
WV 061 004410 005	Joseph G. Dorsey	Northeast Natural Energy, LLC	0.125 or Greater	1591	181
WV 061 004410 006	Salena R. Baumgartner and Donald L. Baumgartner	Northeast Natural Energy LLC	0.125 or Greater	1591	183
WV 061 004410 007	Natalie C. Durbin and Ray A. Durbin	Northeast Natural Energy LLC	0.125 or Greater	1591	185
WV 061 004410 008	Kenneth Wright and Sheryl D. Wright	Northeast Natural Energy LLC	0.125 or Greater	1591	187
WV 061 004410 009	Barbara Mounts	Northeast Natural Energy LLC	0.125 or Greater	1595	130
WV 061 004410 010	Mabel Jean Porter	Northeast Natural Energy LLC	0.125 or Greater	1595	132
WV 061 004410 011	Sandra Rogers	Northeast Natural Energy LLC	0.125 or Greater	1595	134
WV 061 004410 012	Jonathan D. and Brenda L. Dorsey	Northeast Natural Energy LLC	0.125 or Greater	1596	753
WV 061 004410 013	Steven E. Bowman	Northeast Natural Energy LLC	0.125 or Greater	1605	721
WV 061 004410 014	Willard L. Dorsey, Jr. and Charlene R. Dorsey	Northeast Natural Energy LLC	0.125 or Greater	1608	832
WV 061 004716 001	Francis Gregory Swisher and Theresa I. Swisher, f/k/a Theresa Tuttle	Northeast Natural Energy LLC	0.125 or Greater	1618	264
WV 061 004227 001	Alice Piles and L. J. Piles	Wheeling Natural Gas Co.	0.125 or Greater	134	50
WV 061 004227 002	Alice Piles and L. J. Piles, her husband, John D. Wright and Ida B.	Wheeling Natural Gas Co.	0.125 or Greater	180	1
WV 061 004009 000	Ezra Tennant and Casandra Tennant, husband and wife	South Penn Oil Company	0.125 or Greater	39	65



01/18/2019

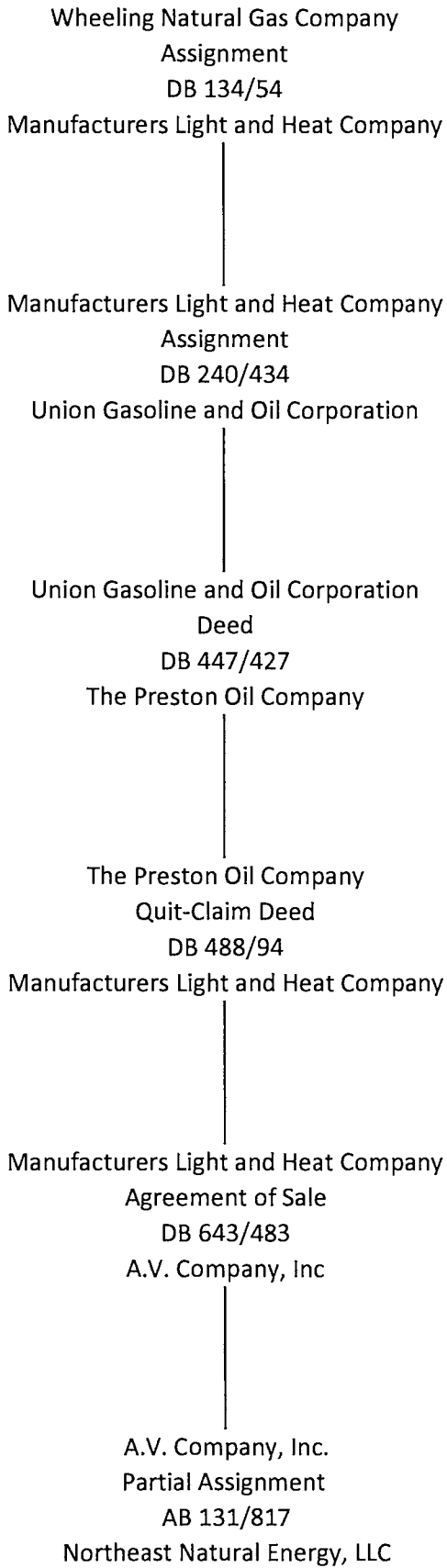


RECEIVED  
Office of Oil and Gas

SEP 6 2018

WV Department of  
Environmental Protection

4706101819 01/18/2019



RECEIVED  
Office of Oil and Gas  
SEP 6 2018  
WV Department of  
Environmental Protection

4706101819  
01/18/2019



August 17, 2018

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

RE: McClellan 5H, 9H, 13H, 17H

Dear Permit Reviewer:

Please be advised that Northeast Natural Energy LLC has the right to drill, extract and produce the minerals beneath the roads identified as Frank Haught Road (State Route 15/9), Crossroads-Fairview Road (Route 15), Simon Haught Road (Route 17/4), and Graveyard Hill on the enclosed survey plats.

Sincerely,

A handwritten signature in blue ink that reads 'Christa A. Dotson'.

Christa A. Dotson  
Supervisor- Land Operations Development

Enclosure

RECEIVED  
Office of Oil and Gas  
SEP 6 2018  
WV Department of  
Environmental Protection



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

Date of Notice Certification: 08/29/2018

API No. 47- 061 - 01819

Operator's Well No. 5H

Well Pad Name: McClellan

**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>561902.2</u>
County:	<u>Monongalia</u>	UTM NAD 83 Northing:	<u>4386024.4</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>		

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 style="padding-left: 100px;"><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><b>OOG OFFICE USE ONLY</b></p> <p><input type="checkbox"/> RECEIVED/ NOT REQUIRED</p> <p><input type="checkbox"/> RECEIVED</p> <p><input type="checkbox"/> RECEIVED/ NOT REQUIRED</p> <p><input type="checkbox"/> RECEIVED</p> <p><input type="checkbox"/> RECEIVED</p> <p><input type="checkbox"/> RECEIVED</p> <p style="text-align: right;"><b>RECEIVED</b> Office of Oil and Gas <b>SEP 6 2018</b></p>
--	---

**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.

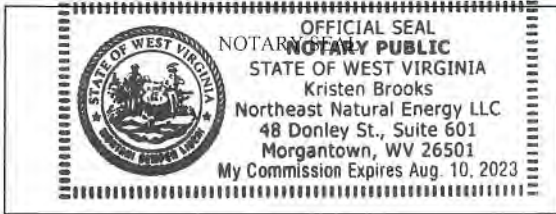
WV Department of Environmental Protection

WW-6AC  
(1/12)

**Certification of Notice is hereby given:**

THEREFORE, I Hollie M. 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.

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 25301</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>



Hollie M. Medley  
 Subscribed and sworn before me this 29<sup>th</sup> day of August, 2018  
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](mailto:depprivacyofficer@wv.gov).

RECEIVED  
Office of Oil and Gas  
SEP 6 2018  
WV Department of  
Environmental Protection



WW-6A  
(9-13)

API NO. 47- \_\_\_\_\_ 01/18/2019  
OPERATOR WELL NO. 5H \_\_\_\_\_  
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:** 08/23/2018 **Date Permit Application Filed:** 09/04/2018

**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: \_\_\_\_\_  
Address: \_\_\_\_\_

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

SURFACE OWNER(s) (Impoundments or Pits)

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

COAL OWNER OR LESSEE

Name: See Attached  
Address: \_\_\_\_\_

COAL OPERATOR

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)

Name: See attached  
Address: \_\_\_\_\_

OPERATOR OF ANY NATURAL GAS STORAGE FIELD

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

RECEIVED  
Office of Oil and Gas

SEP 6 2018

WV Department of  
Environmental Protection

\*Please attach additional forms if necessary

WW-6A  
(8-13)

API NO. 47-4706101819  
OPERATOR WELL NO. 5H **01/18/2019**  
Well Pad Name: McClellan

**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.c, 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 57<sup>th</sup> Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting [www.dep.wv.gov/oil-and-gas/pages/default.aspx](http://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

RECEIVED  
Office of Oil and Gas  
DEP  
6 2018  
WV Department of  
Environmental Protection



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 57<sup>th</sup> St. SE  
Charleston, WV 25304  
(304) 926-0450

RECEIVED  
Office of Oil and Gas  
SEP 6 2018  
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.**

**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.

RECEIVED  
Office of Oil and Gas  
SEP 6 2018  
WV Department of  
Environmental Protection



WW-6A  
(8-13)

4706101819  
API NO. 47- - 01/18/2019  
OPERATOR WELL NO. 5H  
Well Pad Name: McClellan

**Notice is hereby given by:**

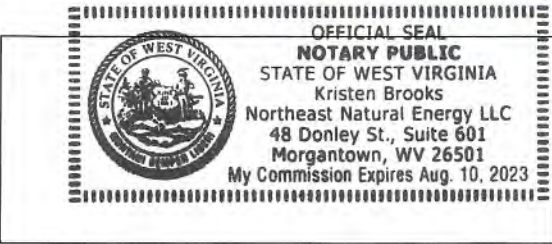
Well Operator: Northeast Natural Energy, LLC  
Telephone: 304-414-7060  
Email: hmedley@nne-llc.com

Address: 707 Virginia St. E., Suite 1200  
Charleston, WV 25301  
Facsimile: 304-414-7061

**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 [deprivacyofficer@wv.gov](mailto:deprivacyofficer@wv.gov).

*Holl: M. Medley*



Subscribed and sworn before me this 29<sup>th</sup> day of August, 2018.

Kristen Brooks Notary Public

My Commission Expires August 10, 2023

RECEIVED  
Office of Oil and Gas  
SEP 6 2018  
WV Department of  
Environmental Protection

McClellan 5HSurface Owner(s):

Michelle D. Moore  
113 Poplar Street  
Dickson, TN 37055

Alycemarie McClellan  
4631 W. Bay Villa Ave.  
Tampa, FL 33611

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

Michelle D. Moore  
113 Poplar Street  
Dickson, TN 37055

Alycemarie McClellan  
4631 W. Bay Villa Ave.  
Tampa, FL 33611

Coal Owner(s) or Lessee(s):

Murray Energy Corporation & Consolidation Coal Company  
Attn: Mason Smith, Coal, Oil & Gas Relations Manager  
46226 National Road  
St. Clairsville, OH 43950

PT Power LLC  
Attn: Michael Hoeft  
PO Box 605  
Milton, WV 25541

Coal Operator(s)

Murray Energy Corporation & Consolidation Coal Company  
Attn: Mason Smith, Coal, Oil & Gas Relations Manager  
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

RECEIVED  
Office of Oil and Gas

SEP 6 2018

WV Department of  
Environmental Protection





WW-6A3  
(1/12)

**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 15/7 (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 57<sup>th</sup> 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](http://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

**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](mailto:depprivacyofficer@wv.gov).



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 1<sup>st</sup> 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

RECEIVED  
Office of Oil and Gas  
SEP 6 2018  
WV Department of  
Environmental Protection

WW-6A4  
(1/12)

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:** 08/23/2018 **Date Permit Application Filed:** 09/04/2018

**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: Michelle D. Moore  
Address: 113 Poplar St.  
Dickson, TN 37055

Name: Alycemarie McClellan  
Address: 4631 W. Bay Villa Avenue  
Tampa, FL 33611

**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: West Virginia UTM NAD 83 Easting: 561902.2  
County: Monongalia Northing: 4386024.4  
District: Battelle Public Road Access: SR 15/7 (Harvey Run Road)  
Quadrangle: Mannington Generally used farm name: McClellan  
Watershed: Upper Monongahela

**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 57<sup>th</sup> Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting [www.dep.wv.gov/oil-and-gas/pages/default.aspx](http://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: 304-414-7060  
Email: hmedley@nne-llc.com  
Facsimile: 304-414-7061

Authorized Representative: Hollie Medley, Regulatory Manager  
Address: 48 Donley Street, Suite 601  
Morgantown, WV 26501  
Telephone: 304-212-0422  
Email: hmedley@nne-llc.com  
Facsimile: 304-241-5972

RECEIVED  
Office of Oil and Gas  
SEP 6 2018  
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](mailto:depprivacyofficer@wv.gov).



WW-6A5  
(1/12)

**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:** 08/23/2018      **Date Permit Application Filed:** 09/04/2018

**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: Michellé D. Moore

Address: 113 Poplar Street

Dickson, TN 37055

✓ Name: Alycemarie McClellan

Address: 4631 W. Bay Villa Ave.

Tampa, FL 33611

**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>561902.2</u>
County:	<u>Monongalia</u>		Northing:	<u>4386024.4</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 57<sup>th</sup> Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting [www.dep.wv.gov/oil-and-gas/pages/default.aspx](http://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

RECEIVED  
Office of Oil and Gas

SEP 6 2018

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](mailto:depprivacyofficer@wv.gov).



**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, \_\_\_\_\_, 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 6, 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>561902.2</u>
County:	<u>Monongalia</u>		Northing:	<u>4386024.4</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>			

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 checked="" 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 type="checkbox"/> COAL OWNER OR LESSEE</p> <p><input type="checkbox"/> COAL OPERATOR</p> <p><input type="checkbox"/> WATER PURVEYOR</p> <p><input type="checkbox"/> OPERATOR OF ANY NATURAL GAS STORAGE FIELD</p>	<p><b>FOR EXECUTION BY A NATURAL PERSON</b></p> <p>Signature: <u>Alyce McClellan</u></p> <p>Print Name: <u>Alyce McClellan</u></p> <p>Date: <u>8-27-18</u></p> <p><b>FOR EXECUTION BY A CORPORATION, ETC.</b></p> <p>Company: _____</p> <p>By: _____</p> <p>Its: _____</p> <p>Signature: _____</p> <p>Date: _____</p>
--	---

RECEIVED  
Office of Oil and Gas  
SEP 6 2018  
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](mailto:depprivacyofficer@wv.gov).



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, \_\_\_\_\_, 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 6, 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>561902.2</u>
County:	<u>Monongalia</u>		Northing:	<u>4386024.4</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>			

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 checked="" 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 type="checkbox"/> COAL OWNER OR LESSEE</p> <p><input type="checkbox"/> COAL OPERATOR</p> <p><input type="checkbox"/> WATER PURVEYOR</p> <p><input type="checkbox"/> OPERATOR OF ANY NATURAL GAS STORAGE FIELD</p>	<p><b>FOR EXECUTION BY A NATURAL PERSON</b></p> <p>Signature: <u>Michele D Moore</u></p> <p>Print Name: <u>Michele D Moore</u></p> <p>Date: <u>8-28-2018</u></p> <p><b>FOR EXECUTION BY A CORPORATION, ETC.</b></p> <p>Company: _____</p> <p>By: _____</p> <p>Its: _____</p> <p>Signature: _____</p> <p>Date: _____</p>
	<p>RECEIVED Office of Oil and Gas</p> <p>SEP 6 2018</p> <p>WV Department of Environmental Protection</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](mailto:depprivacyofficer@wv.gov).

01/18/2019



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

**Division of Highways**

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

Thomas J. Smith, P. E.  
Secretary of Transportation/  
Commissioner of Highways

August 8, 2018

Jill M. Newman  
Deputy Commissioner

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

Subject: DOH Permit for the McClellan Pad, Monongalia County  
McClellan 5H

Dear Mr. Martin,

This well site will be accessed from a permit #04-2016-0674 issued to Northeast Natural Energy Corporation for access to the State Road for a well site located off of Monongalia County Route 15/7 SLS.

The 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 January 3, 2012.

Very Truly Yours,

A handwritten signature in blue ink that reads "Gary K. Clayton".

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

Cc: Hollie Medley  
Northeast Natural Energy Corporation  
CH, OM, D-4  
File

RECEIVED  
Office of Oil and Gas

DEC 18 2018

WV Department of  
Environmental Protection



4706101819

4706101819

## Planned Additives to be used in Fracturing Stimulations - McClellan 5H

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
Cl-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 Control	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

RECEIVED  
Office of Oil and Gas  
SEP 6 2018WV Department of  
Environmental Protection





