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 west virginia department of environmental protection
 

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

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

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 14H  
 47-061-01817-00-00

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 14H  
 Farm Name: ALYCEMARIE MCCLELLAN<sup>+</sup>  
 U.S. WELL NUMBER: 47-061-01817-00-00  
 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

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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).

WW-6B  
(04/15)

4706101817  
01/18/2018  
API NO. 47- 061 -  
OPERATOR WELL NO. McClellan 14H  
Well Pad Name: McClellan

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 14H    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    X    Oil    NA    Underground Storage    NA  
Other    NA

(b) If Gas    Shallow    X    Deep    NA  
Horizontal    X

6) Existing Pad: Yes or No    Yes    *MDK 7/31/2018*

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: 19,619.91'

11) Proposed Horizontal Leg Length: 10,165'

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    X    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

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18)

**CASING AND TUBING PROGRAM**

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	24"	New	NA	94.71	40'	40'	GTS
Fresh Water	13-3/8"	New	J-55	54.5	1,230'	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	19,619.91'	19,589.91'	4599 Cu. Ft.
Tubing	2-3/8"	New	P-110	4.7	NA	8,500'	NA
Liners							

*MSK 7/31/2018*

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:				

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

Drilling and completion of a horizontal Marcellus well. The well will be drilled on air to an approximate depth of 4,726.52' TVD/MD. The well will then be horizontally drilled on synthetic based mud from the KOP to approximately 8,160' TVD / 19,619.91' MD along a 146 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.

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\*Note: Attach additional sheets as needed.

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# NORTHEAST NATURAL ENERGY, LLC

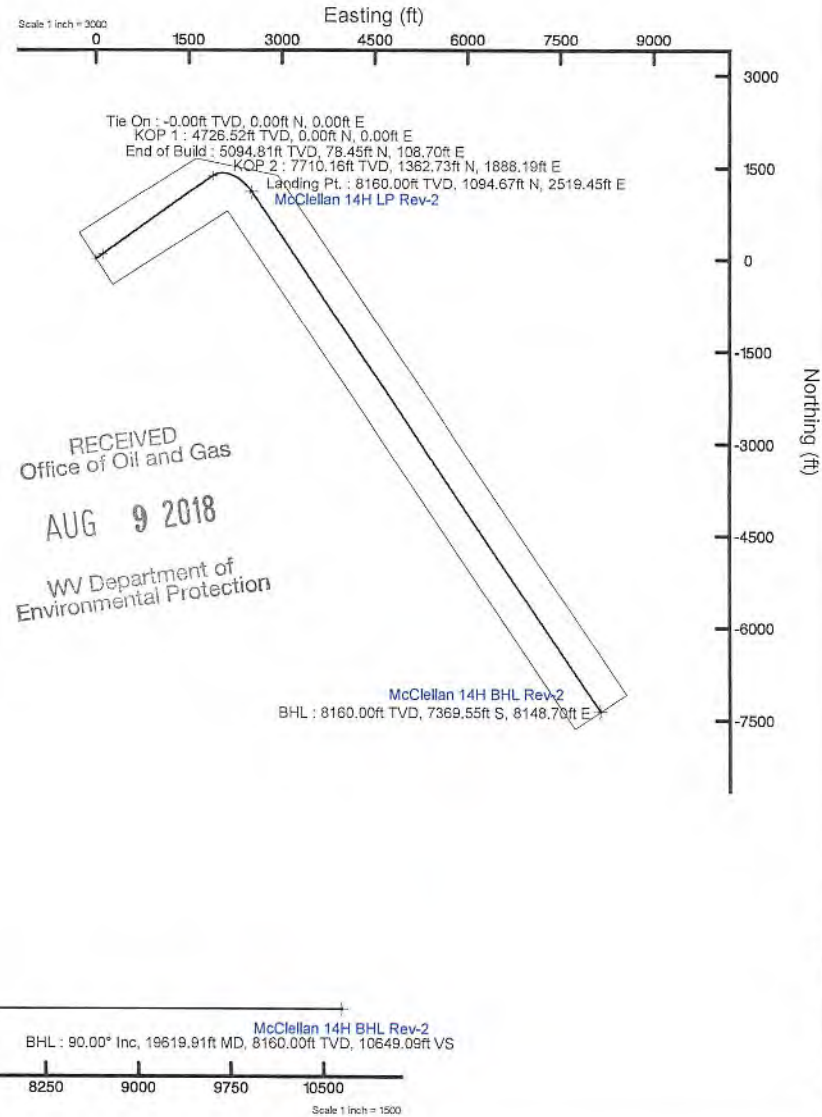
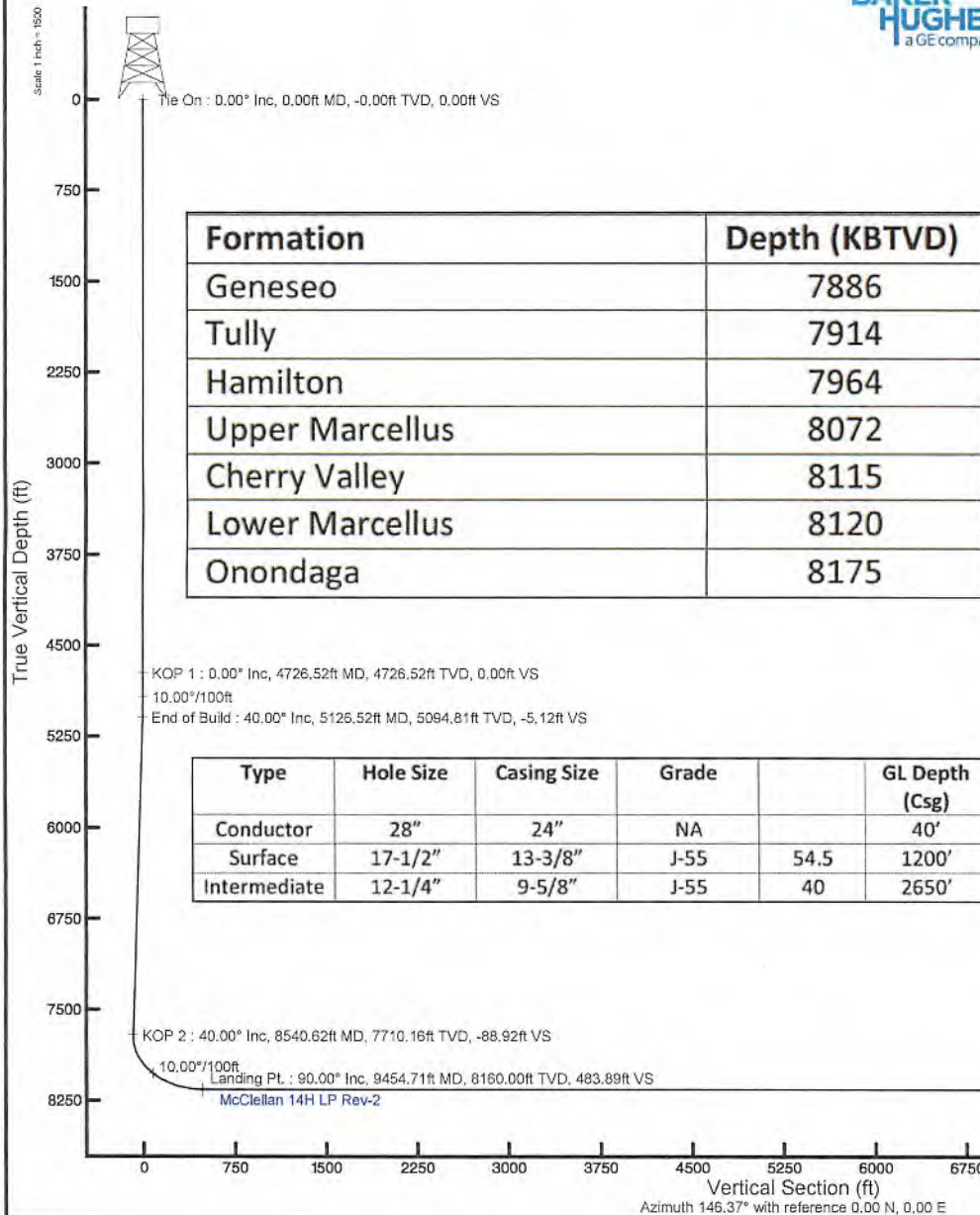
Location: Monongalia County, WV  
 Field: Monongalia  
 Facility: McClellan Pad

Slot: Slot #14  
 Well: McClellan 14H  
 Wellbore: McClellan 14H PWB



## Location Information

Facility Name		Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	
McClellan Pad		1749185.000	408495.900	39°37'18.021"N	80°16'42.918"W	
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Slot #14	-19.60	-3.80	1749181.200	408476.300	39°37'17.827"N	80°16'42.985"W
Ground Level (GL) to Ground level (At Slot: Slot #14)				0ft		
Mean Sea Level to Ground level (At Slot: Slot #14)				-1408ft		
Ground Level (GL) to Mean Sea Level				1408ft		



L1810-19

4706 001817

WW-9  
(4/16)

API Number 47 - \_\_\_\_\_ - \_\_\_\_\_  
Operator's Well No. McClellan 14H

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

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Environmental Protection

Subscribed and sworn before me this 31 day of July, 2018

Hollie M. Medley

My commission expires 9-25-2020

Notary Public



OFFICIAL SEAL  
STATE OF WEST VIRGINIA  
NOTARY PUBLIC  
Michael Eisenhauer  
156 Meadowridge Townhomes  
Morgantown, WV 26505  
My Commission Expires Sep. 25, 2020



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:

*Mary J. Kufuski*

Comments:

Title: Inspection

Date: 7/31/2018

Field Reviewed? (  ) Yes (  ) No

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## Attachment A to WW-9

Northeast Natural Energy LLC (“NNE”) plans to utilize a closed loop process for its drilling of the McClellan 14H 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 14H 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)

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**northeast**  
NATURAL ENERGY

**McClellan 14H**  
**SITE SAFETY PLAN**

July 25, 2018

*Wayne J. Kuntz*  
7/31/2018

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## 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 blooey line and/or flare.

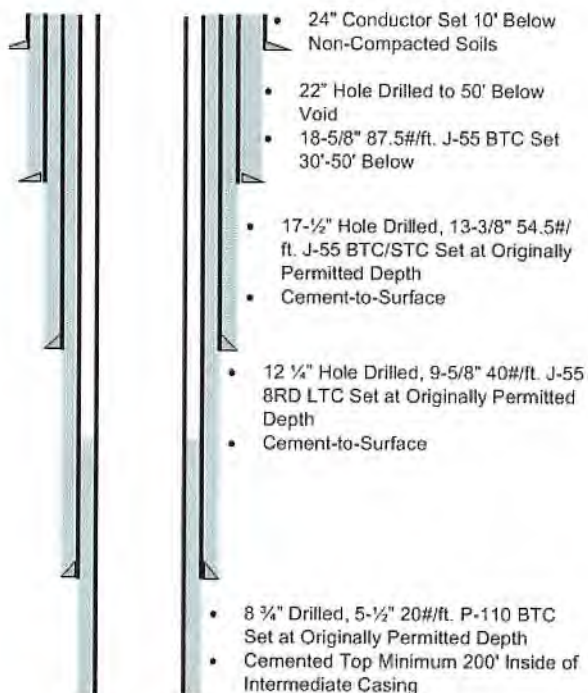
All casings programs submitted to the state incorporate the use of a 24" conductor over the previously used 20" that has long been the industry standard for a typical Marcellus design. The use of 24" conductor casing allows the use of a 22" bit to ream the surface hole, and drill 50' below the void to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

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

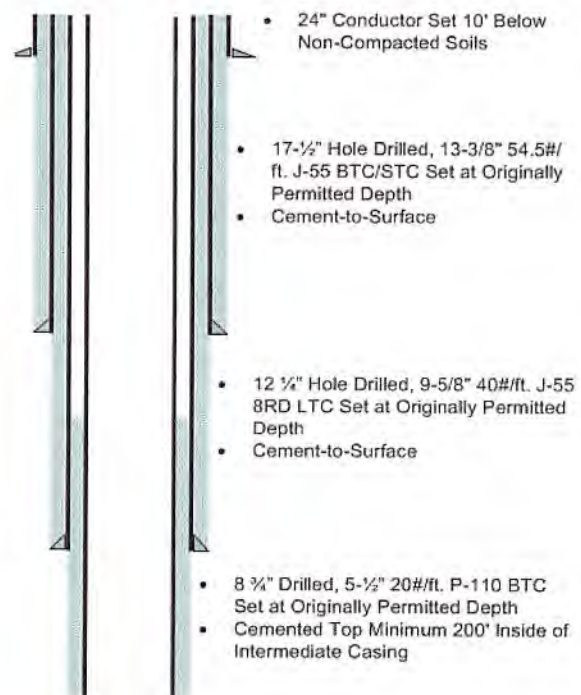
With the use of these string sizes and techniques, the surface and intermediate strings do not need to be altered. After a proper WOC time, the surface section of the well would continue to be drilled with a 17-1/2" bit and the 13-3/8" 54.50#/ft freshwater casing would be set at the originally permitted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

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

### Casing Schematic w/ Mine String



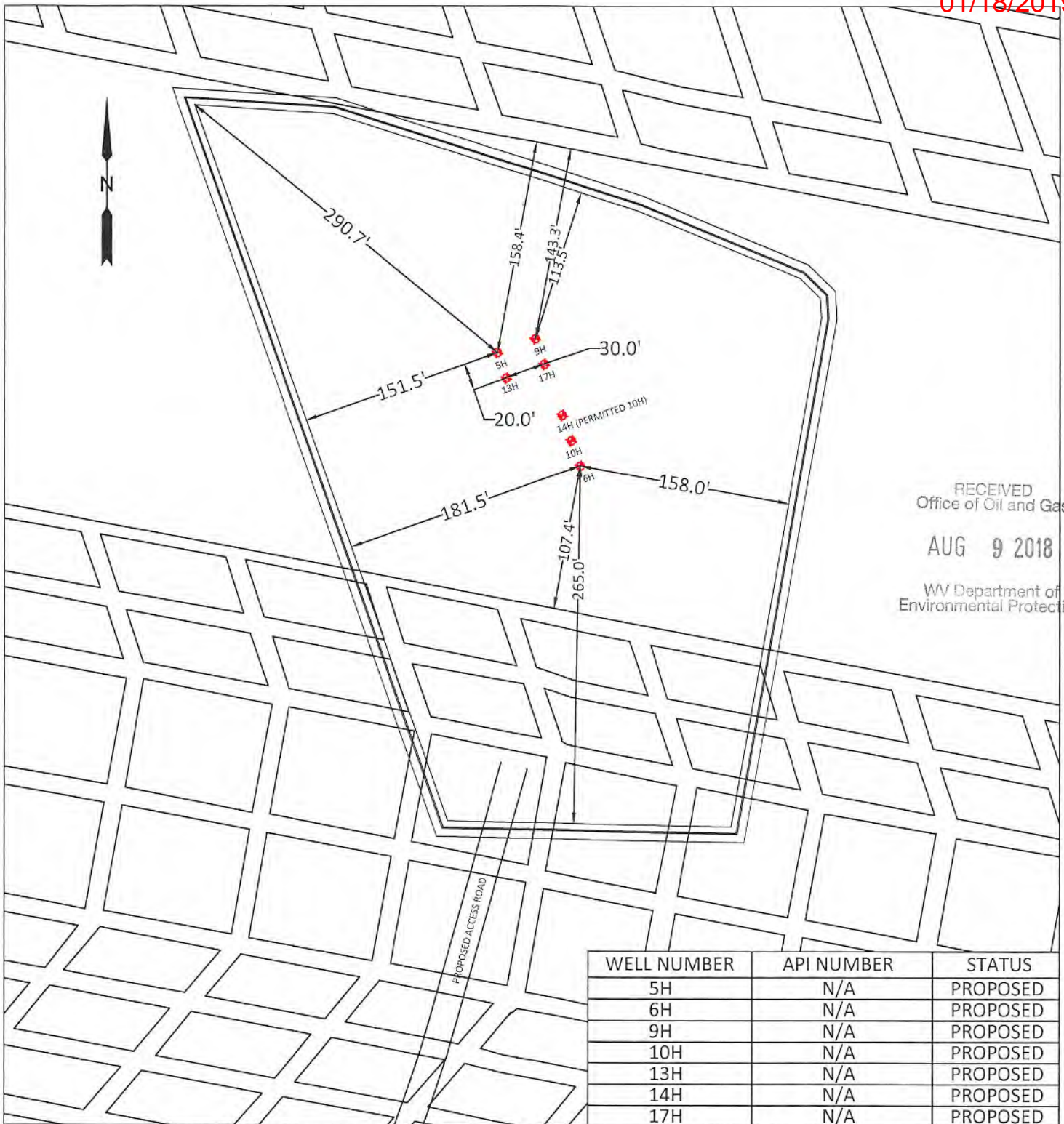
### Casing Schematic w/o Mine String



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11/11 - IC

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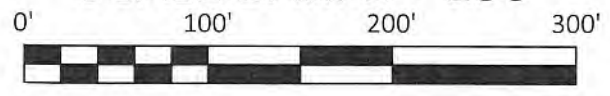
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WELL NUMBER	API NUMBER	STATUS
5H	N/A	PROPOSED
6H	N/A	PROPOSED
9H	N/A	PROPOSED
10H	N/A	PROPOSED
13H	N/A	PROPOSED
14H	N/A	PROPOSED
17H	N/A	PROPOSED

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**

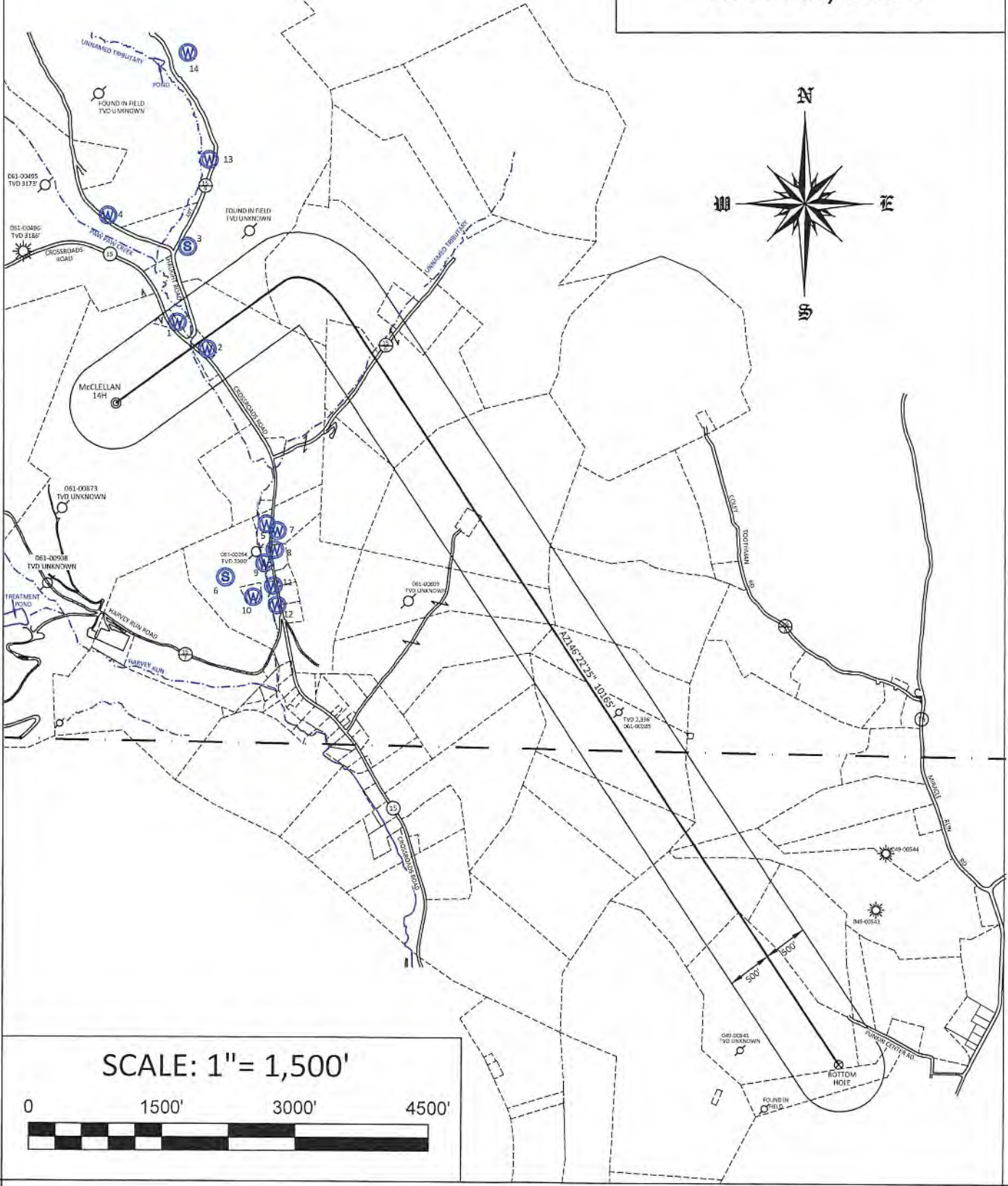
- = PROPOSED WELL
- = EXISTING WELL

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**McCLELLAN 14H  
EXISTING GAS WELLS  
JULY 19, 2018**



SCALE: 1" = 1,500'



61-01817  
01/18/2019

### McClellan 14H Area of Review

API Number	Well Name	Well Number	Operator	Latitude (NAD 27)	Longitude (NAD 27)	TMP	TVD
061-00285	Benjamin A Ammons	NA	ALAMCO Inc	39.612329	-80.258401	16-2-21	2336'

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WELL: McCLELLAN NO. 14H  
QUAD: MANNINGTON, WV

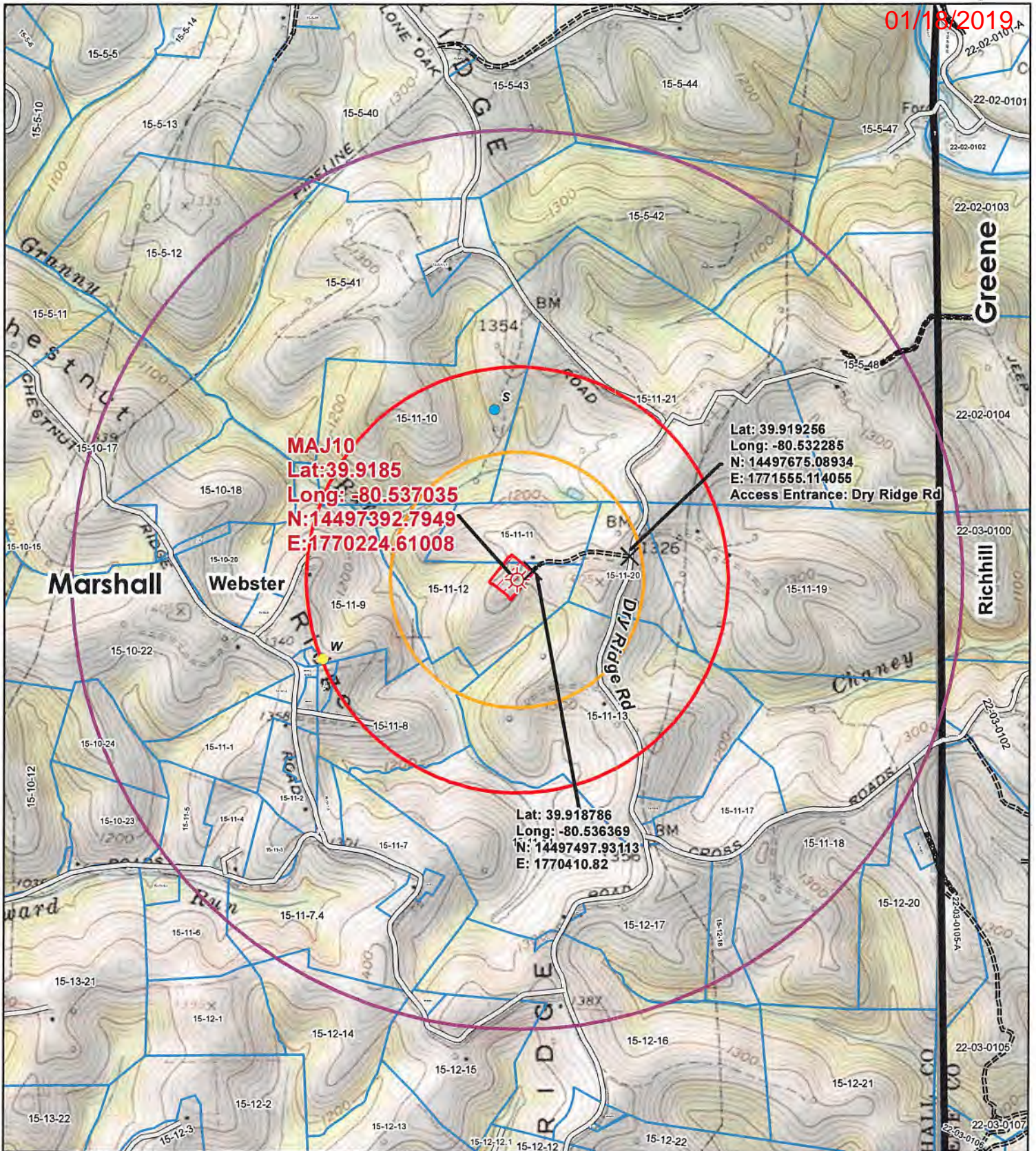
4706 01817

01/18/2019



GRAPHIC SCALE 1"=2,000'





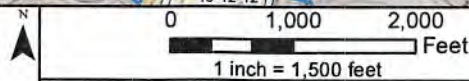
**MAJ10**  
 Lat: 39.9185  
 Long: -80.537035  
 N: 14497392.7949  
 E: 1770224.61008

Lat: 39.919256  
 Long: -80.532285  
 N: 14497675.08934  
 E: 1771555.114055  
 Access Entrance: Dry Ridge Rd

Lat: 39.918786  
 Long: -80.536369  
 N: 14497497.93113  
 E: 1770410.82

**Legend**

- Wellbore
- Access Points
- Well
- Spring
- Access Road
- Well Pad
- 1,500 Foot Buffer
- 2,500 Foot Buffer
- 1 Mile Buffer
- Surface Parcel



Original Date: 5/8/2018      Prepared By: GIS

Revision Date: 5/8/2018      Approved By: GIS

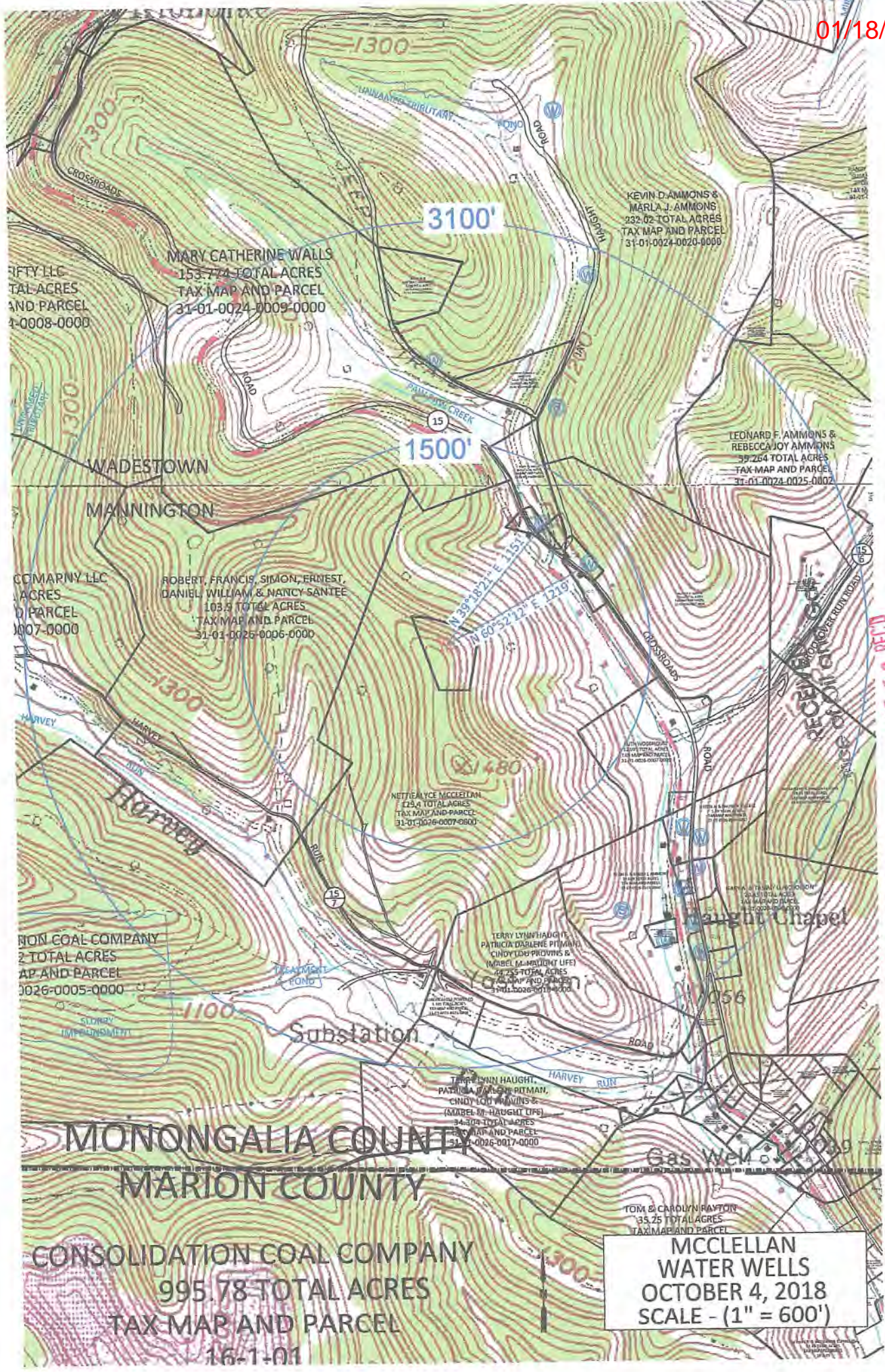
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Topographic Well Map  
**MAJ10**

Let- 01817

01/18/2019



FIFTY LLC  
 153.774 TOTAL ACRES  
 TAX MAP AND PARCEL  
 31-01-0024-0008-0000

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

KEVIN D. AMMONS &  
 MARLA J. AMMONS  
 232.02 TOTAL ACRES  
 TAX MAP AND PARCEL  
 31-01-0024-0020-0000

LEONARD F. AMMONS &  
 REBECCA JOY AMMONS  
 39.264 TOTAL ACRES  
 TAX MAP AND PARCEL  
 31-01-0024-0025-0000

CCMARNY LLC  
 103.9 TOTAL ACRES  
 TAX MAP AND PARCEL  
 31-01-0026-0007-0000

ROBERT, FRANCIS, SIMON, ERNEST,  
 DANIEL, WILLIAM, & NANCY Santee  
 103.9 TOTAL ACRES  
 TAX MAP AND PARCEL  
 31-01-0026-0006-0000

NETTIE ALYCE MCCLELLAN  
 129.4 TOTAL ACRES  
 TAX MAP AND PARCEL  
 31-01-0026-0007-0800

MON COAL COMPANY  
 2 TOTAL ACRES  
 TAX MAP AND PARCEL  
 31-01-0026-0005-0000

TERRY LYNN HAUGHT,  
 PATRICIA DARLENE PITMAN,  
 CINDY LDU PROVINS &  
 MARIE M. HAUGHT LIFE  
 47.25 TOTAL ACRES  
 TAX MAP AND PARCEL  
 31-01-0026-0018-0000

TERRY LYNN HAUGHT,  
 PATRICIA DARLENE PITMAN,  
 CINDY LDU PROVINS &  
 MARIE M. HAUGHT LIFE  
 47.25 TOTAL ACRES  
 TAX MAP AND PARCEL  
 31-01-0026-0017-0000

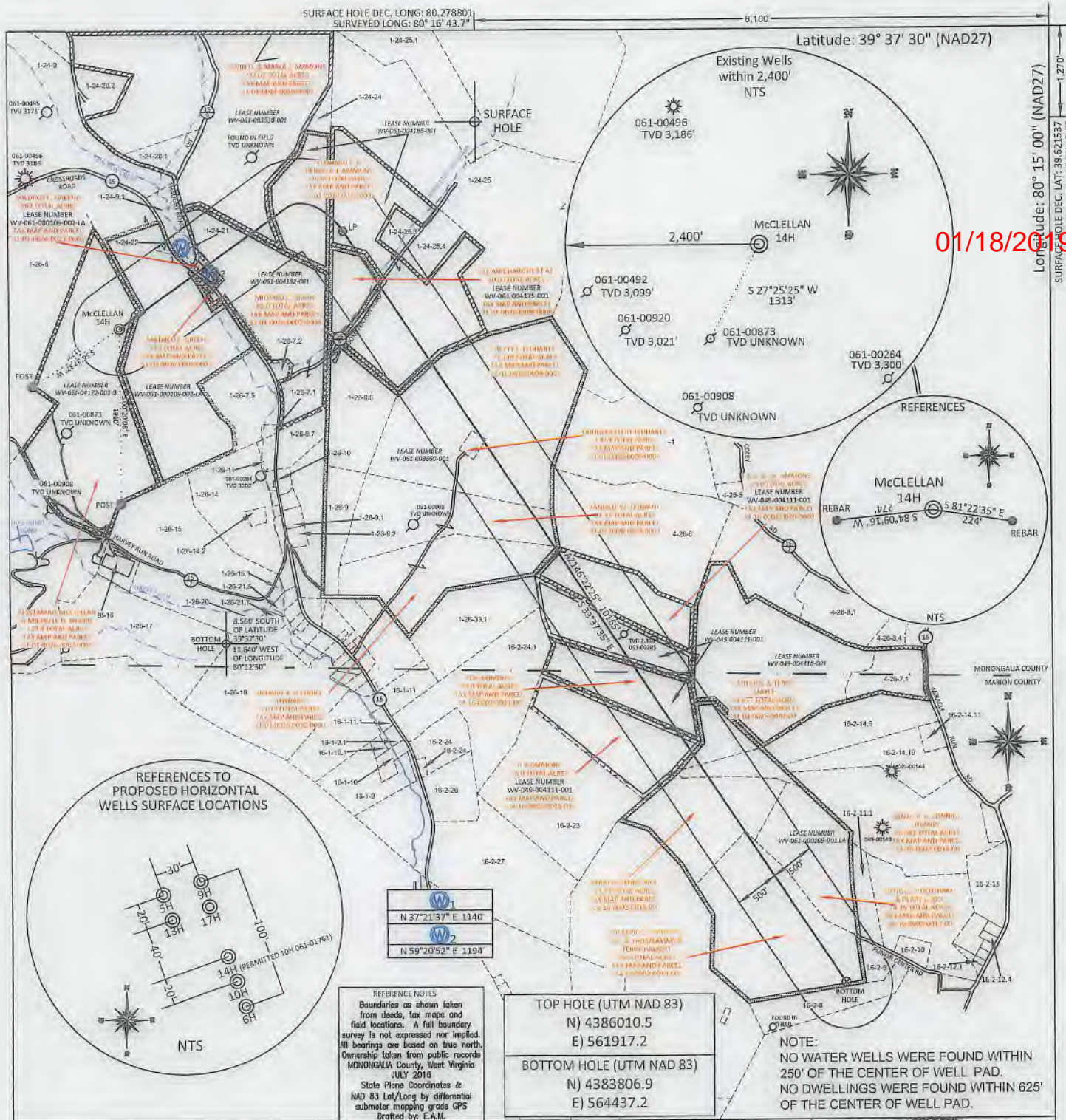
TOM & CAROLYN FAITON  
 35.25 TOTAL ACRES  
 TAX MAP AND PARCEL

**MCCLELLAN  
 WATER WELLS  
 OCTOBER 4, 2018  
 SCALE - (1" = 600')**

**MONONGALIA COUNTY  
 MARION COUNTY**

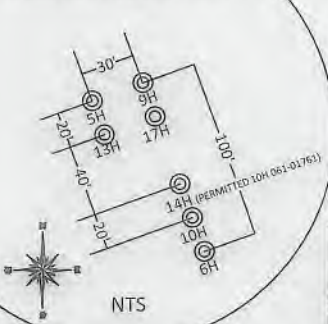
**CONSOLIDATION COAL COMPANY  
 995.78 TOTAL ACRES  
 TAX MAP AND PARCEL  
 16-1-01**

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 Environmental Protection



01/18/2018

REFERENCES TO PROPOSED HORIZONTAL WELLS SURFACE LOCATIONS



N 37°21'37" E 1140'  
N 59°20'52" E 1194'

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 2016  
State Plane Coordinates & NAD 83 Lat/Long by differential submeter mapping grade GPS crafted by E.A.M.

TOP HOLE (UTM NAD 83)  
N) 4386010.5  
E) 561917.2  
BOTTOM HOLE (UTM NAD 83)  
N) 4383806.9  
E) 564437.2

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.

FILE #: NNE14  
DRAWING #: 2850  
SCALE: PLAT: 1" = 1600'  
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 WYDEP  
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: ALCYEMARIE MCCLELLAN & MICHELLE D. MOORE  
OIL & GAS ROYALTY OWNER: Barbara June Sutton, et al  
LEASE NUMBERS:

DATE: JULY 25, 2018  
OPERATOR'S WELL #: McCLELLAN NO. 14H  
API WELL #: 47 61 01817 H6A  
STATE COUNTY PERMIT  
AS-BUILT ELEVATION: 1,411.7'  
QUADRANGLE: MANNINGTON  
ACREAGE: 883.579 +/-  
ACREAGE: 129.4 +/-  
DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE   
PLUG OFF FORMATION  PERFORATE NEW FORMATION  PLUG & ABANDON   
CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY):  
TARGET FORMATION: MARCELLUS  
ESTIMATED DEPTH: TVD: 8,160' TMD: 19,619.91'  
WELL OPERATOR: NORTHEAST NATURAL ENERGY LLC  
ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200  
CITY: CHARLESTON STATE: WV ZIP CODE: 25301  
DESIGNATED AGENT: JOHN ADAMS  
ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200  
CITY: CHARLESTON STATE: WV ZIP CODE: 25301

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

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

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

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

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

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

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

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

Well Operator: Northeast Natural Energy  
 By: Hollie Medley  
 Its: Regulatory Manager



4706 01/18/2019  
01817

August 1, 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 6H, 10H and 14H

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) and Brookover Run Road (State Route 15/6) 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

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Environmental Protection

61-01817 01/18/2019



REC'D  
18 REC'D  
WV Department of Environmental Protection

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JUL 26 2018  
LAND DEPARTMENT

June 18, 2018

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

RE: McClellan Southeast Unit, 6H, 10H and 14H Wells  
Battelle/Paw Paw District, Monongalia/Marion 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 172.26 net acres of which 141.41 net acres will be unitized within the McClellan Southeast unit. There are 653.27 acres in the preliminary unit, which is subject to change. The mineral tracts are identified below:

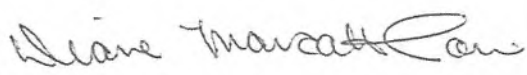
3rd Party (Name)	TMPs #	Net Acreage Owned in mineral tract	Net Acreage Owned Within unit
XTO	24-23	0.99	0.98
XTO	26-p/o 9, 26-9.3, 26-9.5, 26-9.6, 26-32, 26-32.1	25.05	21.60
XTO	26-p/o 7	34.94	17.24
XTO	26-7.1	0.53	0.53
XTO	26-7.2	0.91	0.91
XTO	26-p/o 9, 26-9.1, 26-9.2	3.11	3.11
XTO	26-9.7	1.25	1.25
XTO	26-33.1	5.19	5.19
XTO	2-20	3.96	3.17
XTO	2-p/o 21	3.96	3.96
XTO	2-p/o 21	3.96	3.96

61-01917  
01/18/2019

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

Should you have any questions, please contact Christa at (304) 212-0416 or Joe at (304) 212-0439.

Sincerely,



Diane Corwin,  
General Manager - Operations

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WV Department of  
Environmental Protection

**Enclosures:**

- Plats for 6H, 10H and 14H Wells
- AFE's for 6H, 10H and 14H Wells
- McClellan Southeast Unit Map with XTO Unitized Acreage

XTO hereby elects to participate in the McClellan Northeast Unit (6H, 10H and 14H Wells).

XTO hereby elects not to participate in the McClellan Northeast Unit (6H, 10H and 14H Wells).

By: Edwin S. Ryan, Jr *XL KB*

Name: Edwin S. Ryan, Jr

Title: SR. VP

Date: 12/4/18

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01/18/2019

WW-6A1

Operator's Well No.

McClellan 14H

NNE LEASE NUMBER	LESSOR NAME	LESSEE NAME	ROYALTY	BOOK/PG
WV-061-004172-001-0	Barbara June Sutton	Northeast Natural Energy LLC	0.125 Or Greater	1560/233
WV-061-004172-002-0	Douglas B Sutton	Northeast Natural Energy LLC	0.125 Or Greater	1560/235
WV-061-004172-002-0	Stephen R Sutton and Barbara H Sutton	Northeast Natural Energy LLC	0.125 Or Greater	1560/237
WV-061-000109-002-LA	XTO Energy Inc.	Northeast Natural Energy LLC	Agreement	1227/814
WV-061-004182-001	Mildred C Greene	Northeast Natural Energy LLC	0.125 Or Greater	1560/243
WV-061-003930-001	Daniel May and Wendy Carol May	Northeast Natural Energy LLC	0.125 Or Greater	1563/815
WV-061-003930-002	Don LaBonte and Cheryl LaBonte	Northeast Natural Energy LLC	0.125 Or Greater	1566/557
WV-061-004194-001	Haymaker Properties, LP	Northeast Natural Energy LLC	0.125 Or Greater	1564/124
WV-061-004189-001	Haymaker Properties, LP	Northeast Natural Energy LLC	0.125 Or Greater	1564/124
WV 061 004186 001	Byron D. Tennant and Bernice E. Tennant	Northeast Natural Energy LLC	0.125 Or Greater	1566/37
WV 061 004186 002	Loretta K. Fordyce and Ervin A. Fordyce	Northeast Natural Energy LLC	0.125 Or Greater	1566/339
WV 061 004186 003	David K. Tennant and Linda L. Tennant	Northeast Natural Energy LLC	0.125 Or Greater	1572/659
WV 061 004186 004	Shirley Lou Moore	Northeast Natural Energy LLC	0.125 Or Greater	1568/301
WV 061 004186 005	Alberta Toothman and Murle Toothman	Northeast Natural Energy LLC	0.125 Or Greater	1568/123
WV 061 004186 006	Albert Lee Brookover and Carol Brookover	Northeast Natural Energy LLC	0.125 Or Greater	1565/787
WV 061 004186 007	Norman D. Brookover and Garnet Sue Brookover	Northeast Natural Energy LLC	0.125 Or Greater	1565/785
WV 061 004186 008	Burley D. Tennant and Jacqueline R. Tennant	Northeast Natural Energy LLC	0.125 Or Greater	1565/783
WV 061 004186 009	Susan Sebring and Robert Sebring	Northeast Natural Energy LLC	0.125 Or Greater	1568/392
WV 061 004186 010	Margaret Bennett	Northeast Natural Energy LLC	0.125 Or Greater	1568/390
WV 061 004186 011	Angy Cessna	Northeast Natural Energy LLC	0.125 Or Greater	1568/444
WV 061 004186 012	Robert L. Jones and Rosa Jones	Northeast Natural Energy LLC	0.125 Or Greater	1570/707
WV 061 004186 013	John Campbell	Northeast Natural Energy LLC	0.125 Or Greater	1570/705
WV 061 004186 014	Carl Campbell	Northeast Natural Energy LLC	0.125 Or Greater	1571/10
WV 061 004186 015	Constance Wharton Kihm and James Kihm	Northeast Natural Energy LLC	0.125 Or Greater	1571/15
WV 061 004186 016	Rebecca Cooper	Northeast Natural Energy LLC	0.125 Or Greater	1571/17
WV 061 004186 017	Shelia Duemmel and Richard Duemmel	Northeast Natural Energy LLC	0.125 Or Greater	1571/21
WV 061 004186 018	John J. Jones and Rita E. Jones	Northeast Natural Energy LLC	0.125 Or Greater	1571/23
WV 061 004186 019	Robert C. McGaughey, II	Northeast Natural Energy LLC	0.125 Or Greater	1571/25
WV 061 004186 020	Sandra L. Black and William D. Black	Northeast Natural Energy LLC	0.125 Or Greater	1571/27
WV 061 004186 021	Laura W. Costa and Nathaniel Costa	Northeast Natural Energy LLC	0.125 Or Greater	1571/29
WV 061 004186 022	Thomas Hugh Barnhardt	Northeast Natural Energy LLC	0.125 Or Greater	1571/31
WV 061 004186 023	Earl F. Starrett and Sandra J. Starrett	Northeast Natural Energy LLC	0.125 Or Greater	1573/500
WV 061 004186 024	Geraldine Jones Stiers	Northeast Natural Energy LLC	0.125 Or Greater	1573/502
WV 061 004186 025	Beryl K. Jones, II	Northeast Natural Energy LLC	0.125 Or Greater	1573/504
WV 061 004186 026	Sheila Jones-Davis and Larry Davis	Northeast Natural Energy LLC	0.125 Or Greater	1573/506
WV 061 004186 027	Jacqueline M. Siegfried	Northeast Natural Energy LLC	0.125 Or Greater	1573/508
WV 061 004186 028	Nancy Lunsford and David Lunsford	Northeast Natural Energy LLC	0.125 Or Greater	1575/720
WV 061 004186 029	Barbara Diane Tennant Glover and Rodney Glover	Northeast Natural Energy LLC	0.125 Or Greater	1573/513
WV 061 004186 031	Dora E. Ashton, by her AIF, Barbara Diane Tennant Glover	Northeast Natural Energy LLC	0.125 Or Greater	1573/517
WV 061 004186 032	Anthony J. Jones and Lisa M. Jones	Northeast Natural Energy LLC	0.125 Or Greater	1571/396
WV 061 004186 033	Sandra Hatcher	Northeast Natural Energy LLC	0.125 Or Greater	1574/398
WV 061 004186 034	John A. Jones	Northeast Natural Energy LLC	0.125 Or Greater	1574/400
WV 061 004186 035	Nicolas K. Jones and Courtney E. Jones	Northeast Natural Energy LLC	0.125 Or Greater	1575/218
WV 061 004186 036	Paul Richard Craven	Northeast Natural Energy LLC	0.125 Or Greater	1575/220
WV 061 004186 037	Ruth Jones	Northeast Natural Energy LLC	0.125 Or Greater	1575/487
WV 061 004186 038	Jonathan F. Jones	Northeast Natural Energy LLC	0.125 Or Greater	1577/55
WV 061 004186 039	Rex Hamlett and Helen Hamlett	Northeast Natural Energy LLC	0.125 Or Greater	1578/395
WV 061 004186 040	Lorrie Secrest Osman	Northeast Natural Energy LLC	0.125 Or Greater	1578/427
WV 061 004186 041	Edward Allen Ammons	Northeast Natural Energy LLC	0.125 Or Greater	1578/397
WV 061 004186 042	Timothy Brian Ammons	Northeast Natural Energy LLC	0.125 Or Greater	1578/399
WV 061 004186 043	Roger Howard Ammons	Northeast Natural Energy LLC	0.125 Or Greater	1593/713
WV 061 004186 044	James Andrew Whitney	Northeast Natural Energy LLC	0.125 Or Greater	1578/160
WV 061 004186 045	Bryan Bolyard and Sarah Bolyard	Northeast Natural Energy LLC	0.125 Or Greater	1580/576
WV 061 004186 046	James Bolyard	Northeast Natural Energy LLC	0.125 Or Greater	1580/578
WV 061 004186 047	Kimberley Ansley and William M. Ansley, Jr	Northeast Natural Energy LLC	0.125 Or Greater	1584/762
WV 061 004186 048	Robin D. Starrett and Judy Starrett	Northeast Natural Energy LLC	0.125 Or Greater	1581/596
WV 061 004186 049	Rory Hamlett and Robyn Hamlett	Northeast Natural Energy LLC	0.125 Or Greater	1586/466
WV 061 004186 050	Brodie G. Secrest, III and Claudia Dado	Northeast Natural Energy LLC	0.125 Or Greater	1591/662
WV 061 004186 051	Carol Jones	Northeast Natural Energy LLC	Deed	1593/597
WV 061 004186 052	Stephen A. Secrest and Amy Secrest	Northeast Natural Energy LLC	0.125 Or Greater	1593/679
WV 061 004186 053	Martha Secrest-Verblaaauw aka Martha Verblaaauw aka Marty K. Secrest	Northeast Natural Energy LLC	0.125 Or Greater	1593/681
WV 061 004186 054	Carol Sue Dakan a/k/a Carol Sue Burdine Dakan	Northeast Natural Energy LLC	0.125 Or Greater	1593/488
WV 061 004186 055	Theresa Jean Brookover Rich	Northeast Natural Energy LLC	0.125 Or Greater	1593/490
WV-061-004268-001	Ruth Ann Burns	Northeast Natural Energy LLC	0.125 Or Greater	1570/717
WV-061-004268-002	Nancy B. Lawler, aka Nancy Lawler and Charles W. Lawler	Northeast Natural Energy LLC	0.125 Or Greater	1570/715

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WV-061-004268-003	Franciscan Monastery USA, Inc., f/d/b/a the Commissariat of the Holy Land, Franciscan Monastery	Northeast Natural Energy LLC	0.125 Or Greater	1592/444
WV-061-004175-001	Kimberly D. and Charles W. Davis	Northeast Natural Energy LLC	Deed	1569/659
WV-061-003690-001	West Virginia University Foundation, Inc	Northeast Natural Energy LLC	Deed	1531/247
WV-061-004176-001	Stephen K Shuman	Northeast Natural Energy LLC	0.125 Or Greater	1564/661
WV-049-004111-001	Ruth Ann Burns	Northeast Natural Energy LLC	0.125 Or Greater	1196/407
WV-049-004215-002	Mike Ross, Inc	Northeast Natural Energy LLC	0.125 Or Greater	1202/699
WV-061-000109-001-LA	XTO Energy Inc.	Northeast Natural Energy LLC	Agreement	1620/421

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

Date of Notice Certification: 08/06/2018

API No. 47- \_\_\_\_\_  
Operator's Well No. 14H \_\_\_\_\_  
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: West Virginia	UTM NAD 83 Easting: 561917.2
County: Monongalia	UTM NAD 83 Northing: 4386010.5
District: Battelle	Public Road Access: SR 15/7 (Harvey Run Road)
Quadrangle: Mannington	Generally used farm name: McClellan
Watershed: Upper Monongahela	

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.

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:  *PLEASE CHECK ALL THAT APPLY  <input type="checkbox"/> 1. NOTICE OF SEISMIC ACTIVITY or <input checked="" type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED  <input checked="" type="checkbox"/> 2. NOTICE OF ENTRY FOR PLAT SURVEY or <input type="checkbox"/> NO PLAT SURVEY WAS CONDUCTED  <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  <input type="checkbox"/> WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH)  <input checked="" type="checkbox"/> 4. NOTICE OF PLANNED OPERATION  <input checked="" type="checkbox"/> 5. PUBLIC NOTICE  <input checked="" type="checkbox"/> 6. NOTICE OF APPLICATION		<b>OOG OFFICE USE ONLY</b>  <input type="checkbox"/> RECEIVED/ NOT REQUIRED  <input type="checkbox"/> RECEIVED  <input type="checkbox"/> RECEIVED/ NOT REQUIRED  <input type="checkbox"/> RECEIVED  <input type="checkbox"/> RECEIVED  <input type="checkbox"/> RECEIVED
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Required Attachments:

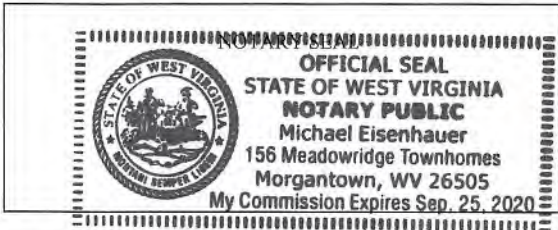
The Operator shall attach to this Notice Certification Form all Notice Forms and Certifications of Notice that have been provided to the required parties and/or any associated written waivers. For the Public Notice, the operator shall attach a copy of the Class II Legal Advertisement with publication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

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Environmental Protection

**Certification of Notice is hereby given:**

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

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



Subscribed and sworn before me this 8 day of August, 2018.  
Michael Eisenhauer Notary Public  
 My Commission Expires 9-25-2020

**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).

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01/18/2019

**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:** 7/26/18    **Date Permit Application Filed:** 8/6/18

**Notice of:**

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

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

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

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

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

SURFACE OWNER(s)

Name: see attached  
Address: \_\_\_\_\_

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

SURFACE OWNER(s) (Road and/or Other Disturbance)

Name: see attached  
Address: \_\_\_\_\_

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

SURFACE OWNER(s) (Impoundments or Pits)

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

COAL OWNER OR LESSEE

Name: see attached  
Address: \_\_\_\_\_

COAL OPERATOR

Name: see attached  
Address: \_\_\_\_\_

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

Name: see attached  
Address: \_\_\_\_\_

OPERATOR OF ANY NATURAL GAS STORAGE FIELD

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

\*Please attach additional forms if necessary

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WV Department of  
Environmental Protection

AUG 9 2018

API NO. 47- 61 - 01817  
OPERATOR WELL NO. 14H **01/18/2019**  
Well Pad Name: McClellan

WV Department of  
Environmental Protection

**Notice is hereby given:**

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

**This Notice Shall Include:**

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

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

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

Pursuant to W. Va. Code R. § 35-8-15.2.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

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

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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.

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WW-6A  
(8-13)

API NO. 47- 61 - 01817  
OPERATOR WELL NO. 14H **01/18/2019**  
Well Pad Name: McClellan

**Notice is hereby given by:**

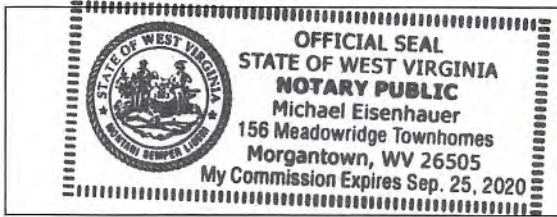
Well Operator: Northeast Natural Energy LLC  
Telephone: 304-212-0422  
Email: hmedley@nne-llc.com

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

**Oil and Gas Privacy Notice:**

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

*Helli mmedley*



Subscribed and sworn before me this 8 day of August, 2018.

*[Signature]* Notary Public

My Commission Expires 9-25-2020

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4706 \* 018  
01/18/2019  
McClellan 14H 17

**Surface 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

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

PRELIMINARY

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

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

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


RUTH WOODS, LUCAS SUZANNE K. JOHNSON, JOHN  
DAVID MEYER & THOMAS CHARLES WOODHOCK &  
JACQUELYNNE WOODHOCK, LUCAS & EDWORTH W. WYCK  
3,933 TOTAL ACRES  
TAX MAP AND PARCEL  
31-01-0026-0005-0005

KEVIN PAUL MARLA J. JAMMONS  
70.689 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

INDONGMEHA POWER CO.  
3,385 TOTAL ACRES  
TAX MAP AND PARCEL  
31-01-0026-0016-0000

MCCLELLAN  
11-29-16

- PROPERTY LINE 
- EXISTING WELL 
- EXISTING SPRING 

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WV Department of

4706701817  
01/18/2019

### McClellan Water Well Location

Surface Owner/Water Purveyor w/Water Supply within 1000'/3000'	Latitude Longitude of Water Supply
1. Mary C. Walls (01-24-22) (Well) (1,134' from Center of Wells)	39.624123,-80.276173
2. Mildred T. Greene (01-24-23) (Well) (1,191' from Center of Wells)	39.623314,-80.274974

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

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

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

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

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

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

**Notice is hereby provided to:**

SURFACE OWNER(s)

Name: see attached  
Address: \_\_\_\_\_

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

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

COAL OWNER OR LESSEE

Name: see attached  
Address: \_\_\_\_\_

MINERAL OWNER(s)

Name: see attached  
Address: \_\_\_\_\_

\*please attach additional forms if necessary

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Environmental Protection

**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).

4706 10/18/2019  
01817

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

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**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:** 07/26/2018                    **Date Permit Application Filed:** 08/06/2018

**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 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(b), notice is hereby given that the undersigned well operator has an intent to enter upon the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

State:	<u>West Virginia</u>	UTM NAD 83    Easting:	<u>561917.2</u>
County:	<u>Monongalia</u>	Northing:	<u>4386010.5</u>
District:	<u>Battelle</u>	Public Road Access:	<u>SR 15/7 (Harvey Run Road)</u>
Quadrangle:	<u>Mannington</u>	Generally used farm name:	<u>McClellan</u>
Watershed:	<u>Upper Monongahela</u>		

**This Notice Shall Include:**

Pursuant to West Virginia Code § 22-6A-16(b), this notice shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 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: Holly 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

**Oil and Gas Privacy Notice:**

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

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AUG 9 2018

WV Department of  
Environmental Protection

**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:** 07/26/2018      **Date Permit Application Filed:** 08/06/2018

**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: Michelle 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: West Virginia                                      Easting: 561917.2  
County: Monongalia                                      UTM NAD 83                                      Northing: 4386010.5  
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(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

**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).

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Environmental Protection



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

Reissued 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 14H ✓

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,

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

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Office of Oil and Gas

OCT 16 REC'D

Department of  
Environmental Protection

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



**Planned Additives to be used in Fracturing Stimulations - McClellan 14H**

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

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Office of Oil and Gas

AUG 9 2018

WV Department of  
Environmental Protection

61-01817

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

**WEST VIRGINIA 811**

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

OWNER



WVDEP OOG  
ACCEPTED AS-BUILT

*WJ* 1/16/2019

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

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

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



*Andrew Benchek* 8-1-18

ANDREW BENCHEK  
P.E.

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



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

**COORDINATES**

**CENTER OF WELLS (NAD 83)**  
LAT: 39° 37' 17.0"  
LONG: 80° 16' 43.0"  
(NAD 27)  
LAT: 39° 37' 17.5"  
LONG: 80° 16' 43.7"

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



NO.	REVISIONS	DESCRIPTION

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

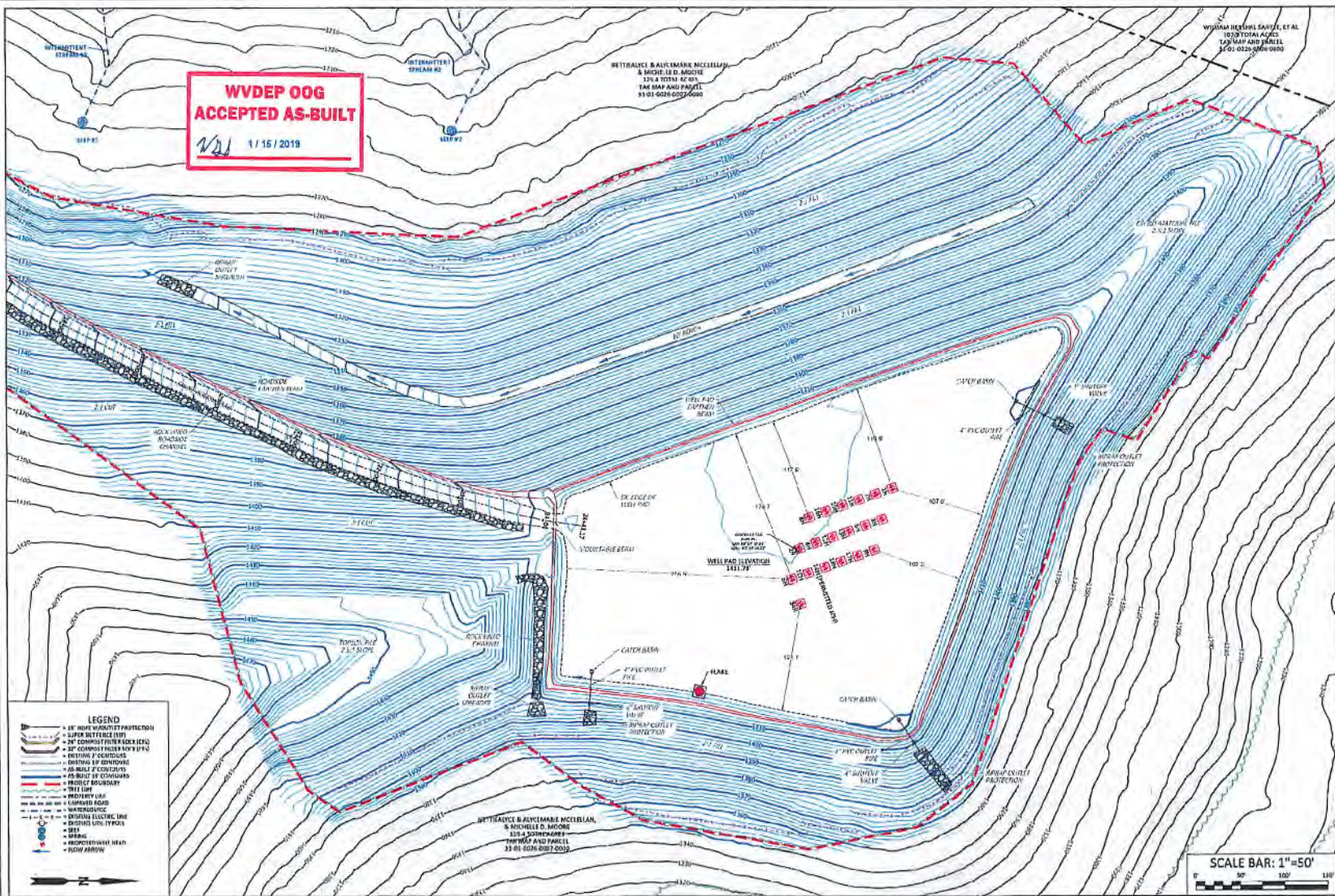
**SHEET**  
1  
OF  
11

1"=1000'

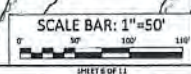


*WJ* 1/14/2019

**WVDEP OOG  
ACCEPTED AS-BUILT**  
1/15/2019



- LEGEND**
- 18" HOSE WASHDOWN PROTECTION
  - 3" WATER SERVICE LINE
  - 24" CONDUIT FROM 30" TO 42" (24")
  - 24" CONDUIT FROM 42" TO 30" (24")
  - EXISTING 2" CONDUITS
  - EXISTING 8" CONDUITS
  - AS-BUILT 2" CONDUITS
  - AS-BUILT 8" CONDUITS
  - PROPERTY BOUNDARY
  - WELL PAD BOUNDARY
  - WELL PAD
  - WATER SERVICE LINE
  - EXISTING ELECTRICAL LINE
  - EXISTING WATER TYPICAL
  - PIPE
  - PROPOSED PIPE
  - PROPOSED WATER



**BOORD, BENCHEK and ASSOC., INC.**  
Engineering, Surveying, Construction,  
and Mining Services  
Southport, PA 15317 Phone: 724-746-1055

**AS-BUILT**  
THIS DOCUMENT WAS PREPARED BY:  
BOORD, BENCHEK AND ASSOC., INC.  
FOR: NORTHEAST NATURAL ENERGY, LLC.

DATE:  
AUGUST 2018  
MCCLELLAN  
WELL PAD  
BATTLE DISTRICT,  
MONONGALIA  
COUNTY, WV

NO.	DATE	REVISIONS
1		PROPOSED FOR 30" CONDUITS OR 36" RINGS



*MSDK 1/14/2019*