



west virginia department of environmental protection

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

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

October 30, 2015

WELL WORK PERMIT

Horizontal 6A Well

This permit, API Well Number: 47-6101726, issued to NORTHEAST NATURAL ENERGY LLC, 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 all 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 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.

In addition to the applicable requirements of this permit, and the statutes and rules governing oil and gas activity in WV, this permit may contain specific conditions which must be followed. Permit conditions are attached to this cover letter.

Per 35CSR-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) 926-0499 ext. 1654.

James Martin
Chief

Operator's Well No: CAMPBELL 4H
Farm Name: CAMPBELL, ELLEN F.
API Well Number: 47-6101726
Permit Type: Horizontal 6A Well
Date Issued: 10/30/2015

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. 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.
8. 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.
9. 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.

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

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

2) Operator's Well Number: Campbell 4H Well Pad Name: Campbell

3) Farm Name/Surface Owner: Ellen F. Campbell Public Road Access: State Route 218 (Daybrook Road)

4) Elevation, current ground: 1293.6' Elevation, proposed post-construction: 1293.6'

5) Well Type (a) Gas Oil Underground Storage

Other _____

(b) If Gas Shallow Deep

Horizontal

MAK 8/10/2015

6) Existing Pad: Yes or No Yes

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Marcellus, 8,118' , 103' , 3,600 psi

8) Proposed Total Vertical Depth: 8,118'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 15,672'

11) Proposed Horizontal Leg Length: 7,500'

12) Approximate Fresh Water Strata Depths: 50' , 1,137'

13) Method to Determine Fresh Water Depths: Driller's Log from Offset Wells

14) Approximate Saltwater Depths: 1,521' , 2,363'

15) Approximate Coal Seam Depths: 316' , 1,135'

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

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

(a) If Yes, provide Mine Info: Name: Adjacent Mine - Federal No. 2

Depth: 1,100'

Seam: Pittsburgh

Owner: Patriot Coal Corporation

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SEP 08 2015

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	1,280'	1,250'	CTS
Coal							
Intermediate	9-5/8"	New	J-55	40	2,430'	2,400'	CTS
Production	5-1/2"	New	P-110	20	15,672'	15,642'	3,613 Cu. Ft.
Tubing	2-7/8"	New	N-80	6.5	NA	8,500'	NA
Liners							

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							

WJK for GJK. 10-26-15
PACKERS

Kind:				
Sizes:				
Depths Set:				

RECEIVED
Office of Oil and Gas

OCT 26 2015

WV Department of
Environmental Protection

WW-6B
(10/14)

API NO. 47- _____ - _____
OPERATOR WELL NO. Campbell 4H
Well Pad Name: Campbell

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 7,098' TVD/MD. The well will then be horizontally drilled on synthetic based mud from the KOP to approximately 8,118' TVD / 15,672' MD along a 143 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): NA - Existing Pad

22) Area to be disturbed for well pad only, less access road (acres): NA - Existing Pad

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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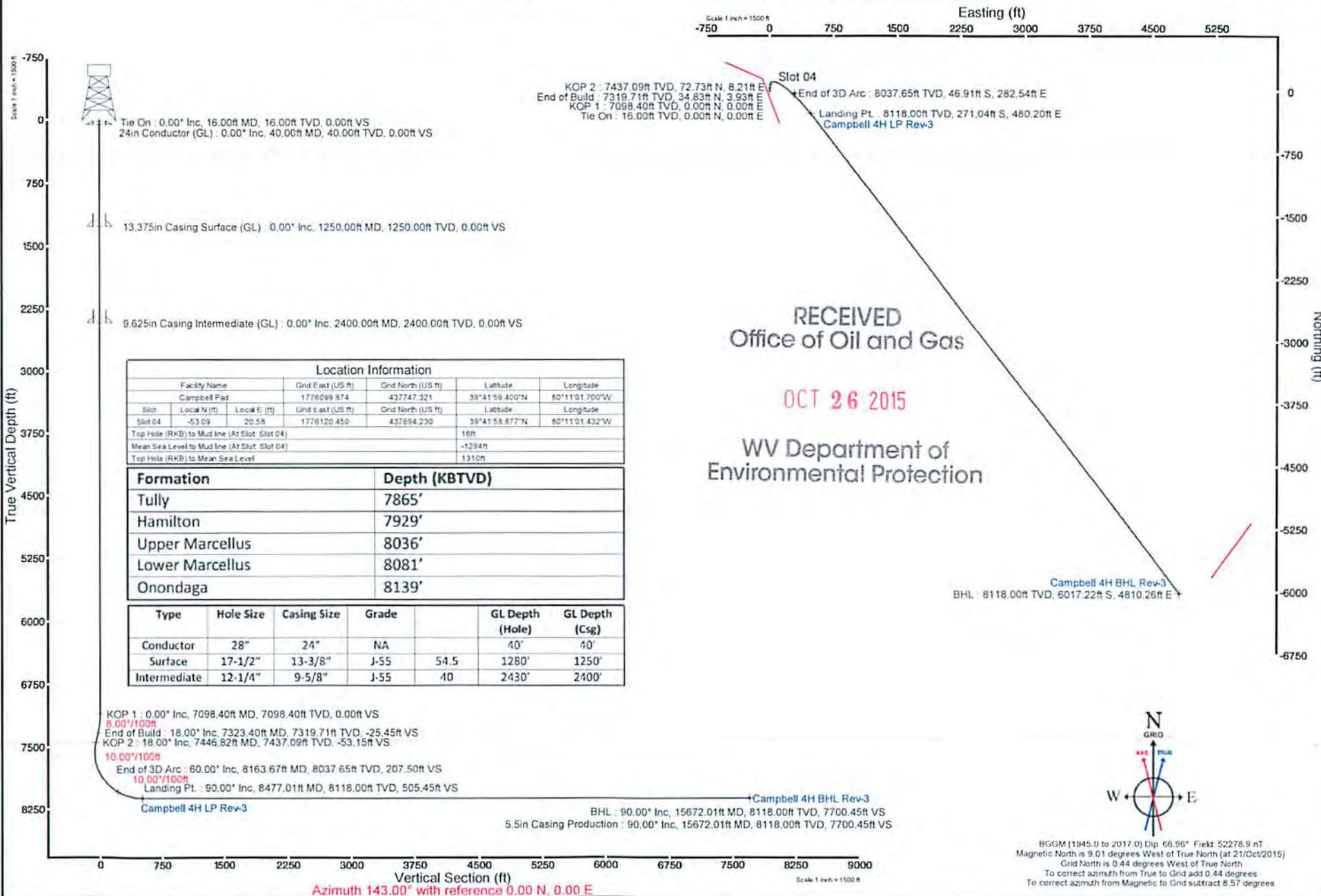
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*Note: Attach additional sheets as needed.

NORTHEAST NATURAL ENERGY, LLC

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

Slot: Slot 04
Well: Campbell 4H
Wellbore: Campbell 4H PWB



Azimuth 143.00° with reference 0.00 N, 0.00 E

4706101726

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.

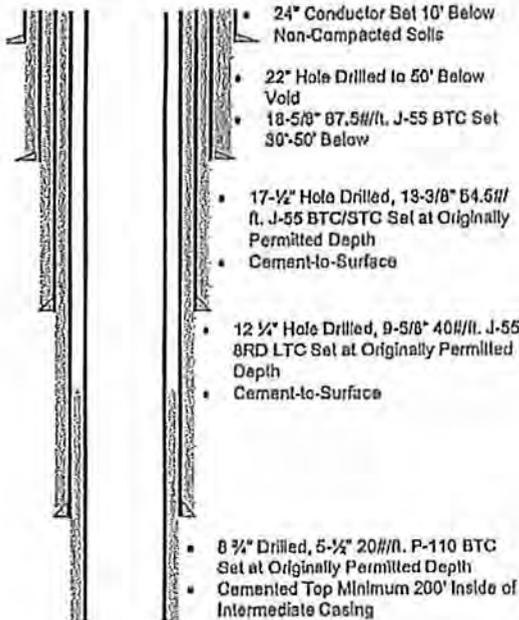
All casings programs submitted to the state incorporate the use of a 24" conductor over the previously used 20" that has long been the industry standard for a typical Marcellus design. The use of 24" conductor casing allows the use of a 22" bit to ream the surface hole, and drill 50' below the void to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

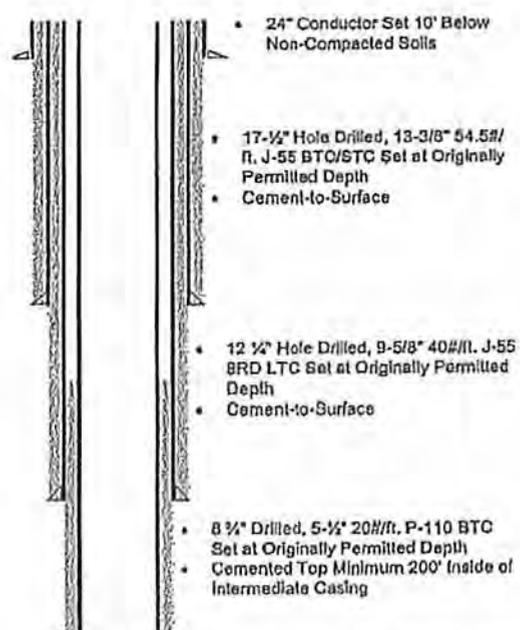
With the use of these string sizes and techniques, the surface and Intermediate strings do not need to be altered. After a proper WOC time, the surface section of the well would continue to be drilled with a 17-1/2" bit and the 13-3/8" 54.50#/ft freshwater casing would be set at the originally permitted 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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11/11-1c
SEP 08 2015

WW-9
(2/15)

API Number 47 - _____ - _____

Operator's Well No. Campbell 4H

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) Dunkard Creek Quadrangle Blacksville, WV

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: NA

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

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. Air- Vertical, Oil Based - Curve & Horizontal

-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 Medley
Company Official (Typed Name) Hollie Medley
Company Official Title Regulatory Coordinator

Subscribed and sworn before me this 5th day of August, 20 15

[Signature] Notary Public

My commission expires January 28, 2020



Northeast Natural Energy LLC

Proposed Revegetation Treatment: Acres Disturbed 72.1 Prevegetation pH TBD

Lime 2 Tons/acre or to correct to pH 7

Fertilizer type 19-19-19

Fertilizer amount 200 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	
Tetraploid Perennial Rye		16		Tetraploid Perennial Rye		16	
Timothy 15	Annual Rye	15		Timothy 15	Annual Rye	15	

Attach:

Drawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided)

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: [Signature]

Comments: _____

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Title: Inspector

Date: 8/10/2015

Field Reviewed? () Yes () No

Attachment A to WW-9

Northeast Natural Energy LLC (“NNE”) plans to utilize a closed loop process for its drilling of the Campbell 4H 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.

Campbell 4H 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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10/30/2015

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northeast
NATURAL ENERGY

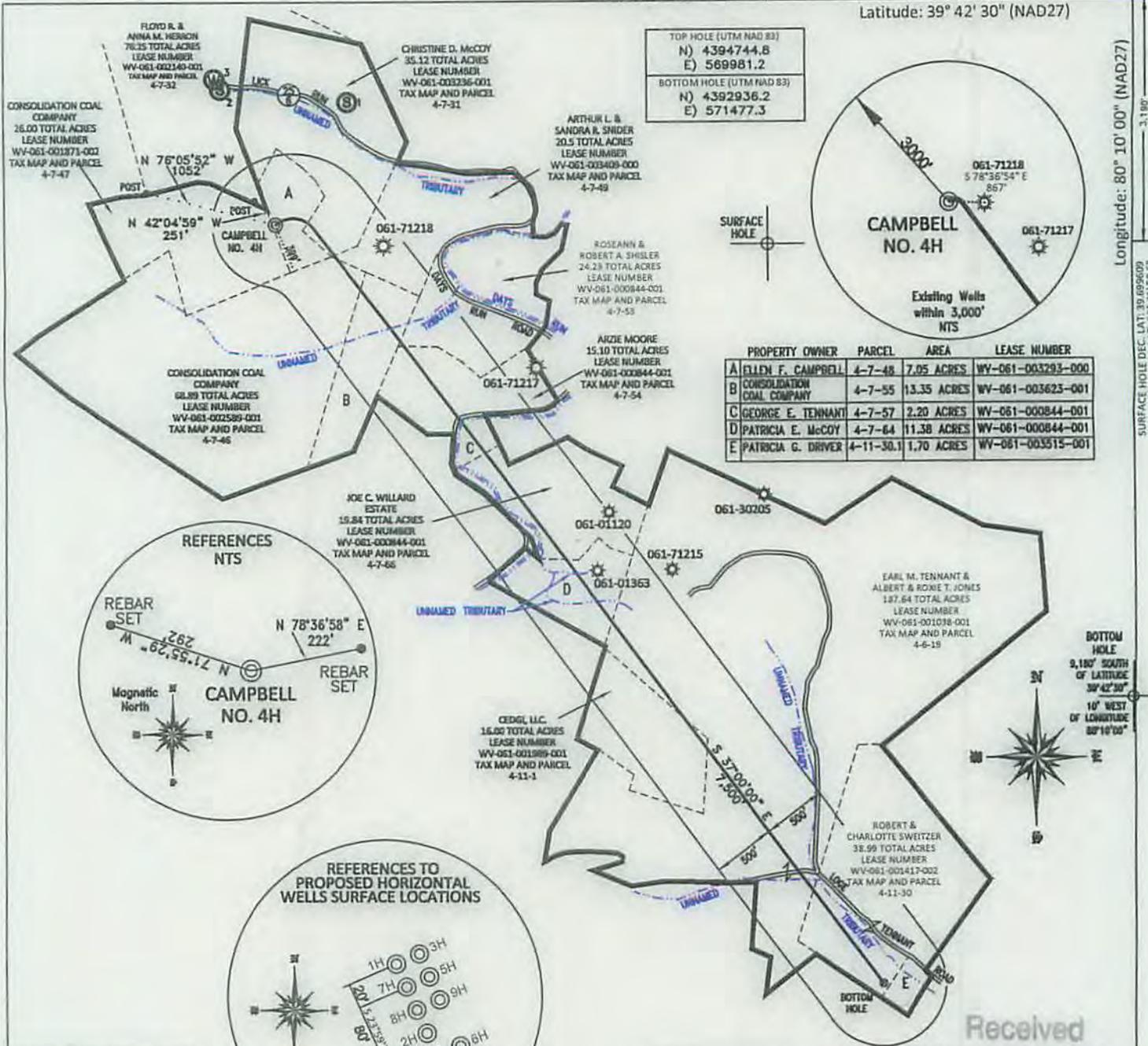
Campbell 4H
SITE SAFETY PLAN

August 7, 2015

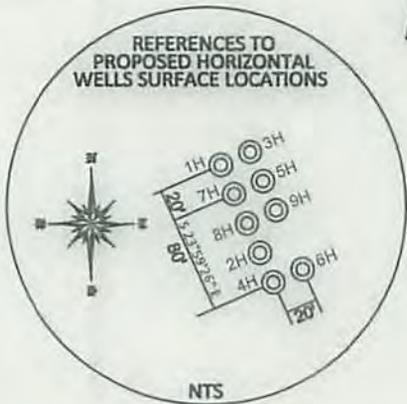
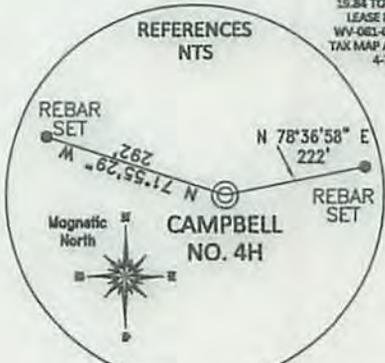
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8/17/2015*

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10/30/2015

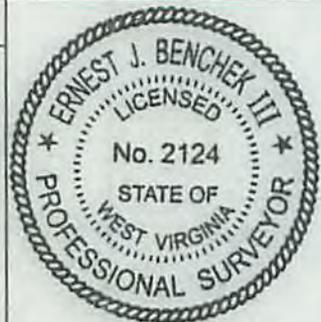


PROPERTY OWNER	PARCEL	AREA	LEASE NUMBER
A ELLEN F. CAMPBELL	4-7-48	7.05 ACRES	WV-061-003293-000
B CONSOLIDATION COAL COMPANY	4-7-55	13.35 ACRES	WV-061-003623-001
C GEORGE E. TENNANT	4-7-57	2.20 ACRES	WV-061-000844-001
D PATRICIA E. MCCOY	4-7-64	11.38 ACRES	WV-061-000844-001
E PATRICIA G. DRIVER	4-11-30.1	1.70 ACRES	WV-061-003515-001



SPRINGS/WATER WELLS	
1	N 30°46'54\"/>
2	N 22°22'50\"/>
3	N 22°52'50\"/>

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SEP 08 2015



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 JUNE 2013
State Plane Coordinates & NAD 83 Lat/Long by differential submeter mapping grade GPS drafted by EAM

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 #: NNE13
DRAWING #: 2366
SCALE: PLAT: 1" = 1200'
TICK MARK: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: 1/200
PROVEN SOURCE OF ELEVATION: SUBMETER MAPPING GRADE GPS

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

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

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

WATERSHED: DUNKARD CREEK
COUNTY/DISTRICT: MONONGALIA / CLAY
SURFACE OWNER: ELLEN F. CAMPBELL
OIL & GAS ROYALTY OWNER: ELLEN FOLEY CAMPBELL et al
LEASE NUMBERS: _____

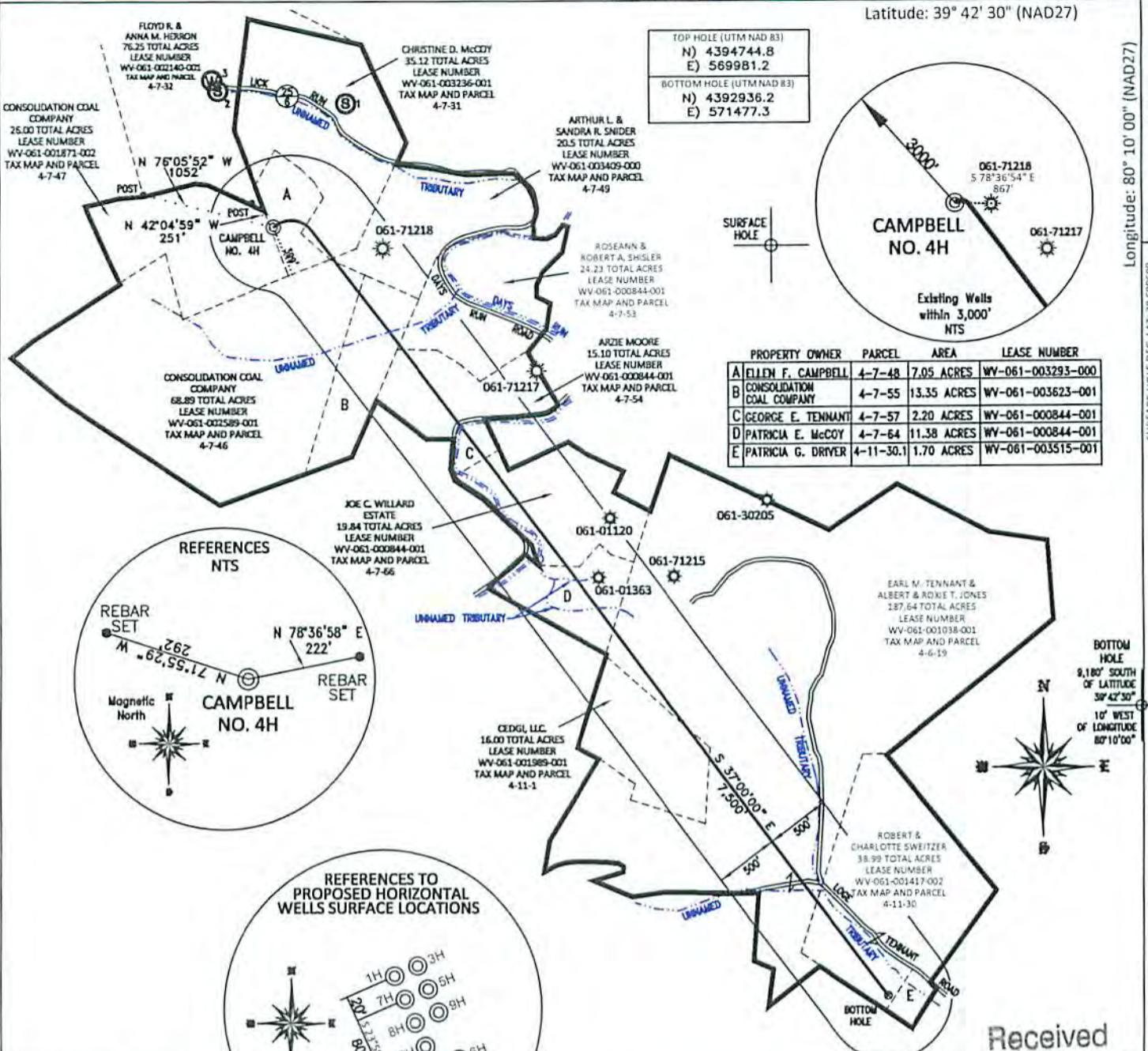
DATE: AUGUST 6, 2015
OPERATOR'S WELL #: CAMPBELL NO. 4H
API WELL #: 47 STATE 61 COUNTY 01726 PERMIT

AS-BUILT ELEVATION: 1,293.6'
QUADRANGLE: BLACKSVILLE, WV
ACREAGE: 7.05 +/- **10/30/2015**
ACREAGE: 487.99 +/-

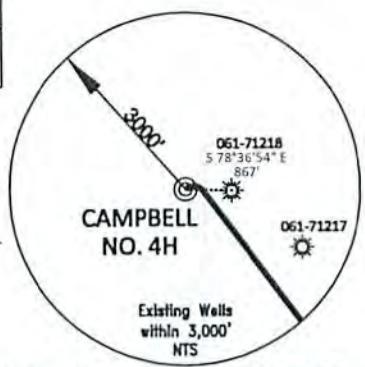
TARGET FORMATION: MARCELLUS
WELL OPERATOR: NORTHEAST NATURAL ENERGY LLC
ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200
CITY: CHARLESTON STATE: WV ZIP CODE: 25301

ESTIMATED DEPTH: TVD: 8,118' TMD: 15,672'
DESIGNATED AGENT: JOHN ADAMS
ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200
CITY: CHARLESTON STATE: WV ZIP CODE: 25301

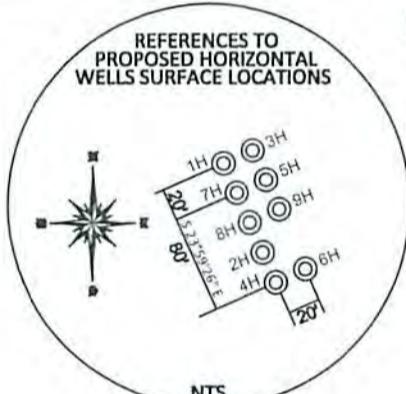
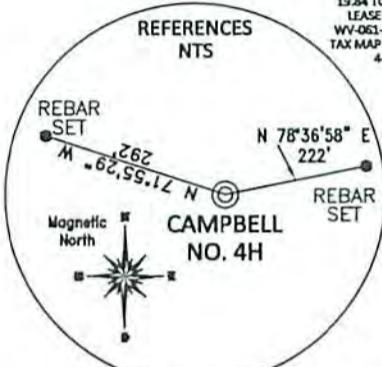
DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
PLUG OFF FORMATION PERFORATE NEW FORMATION PLUG & ABANDON
CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY): _____



TOP HOLE (UTM NAD 83)
N) 4394744.8
E) 569981.2
BOTTOM HOLE (UTM NAD 83)
N) 4392936.2
E) 571477.3



PROPERTY OWNER	PARCEL	AREA	LEASE NUMBER
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Drafted by EAJM

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NO DWELLINGS WERE FOUND WITHIN 625' OF THE CENTER OF WELL PAD

SPRINGS/WATER WELLS
① N 30°46'54" E 1,111'
② N 22°22'50" W 1,141'
③ N 22°52'50" W 1,238'

Received
Office of Oil & Gas
SEP 08 2015



FILE #: NNE13
DRAWING #: 2366
SCALE: PLAT: 1" = 1200'
TICK MARK: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: 1/200
PROVEN SOURCE OF ELEVATION: SUBMETER MAPPING GRADE GPS

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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 5TH STREET
CHARLESTON, WV 25304

DATE: AUGUST 6, 2015
OPERATOR'S WELL #: CAMPBELL NO. 4H
API WELL #: 47 61 01726
STATE COUNTY PERMIT

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

WATERSHED: DUNKARD CREEK
COUNTY/DISTRICT: MONONGALIA / CLAY
SURFACE OWNER: ELLEN F. CAMPBELL
OIL & GAS ROYALTY OWNER: ELLEN FOLEY CAMPBELL et al
LEASE NUMBERS: _____

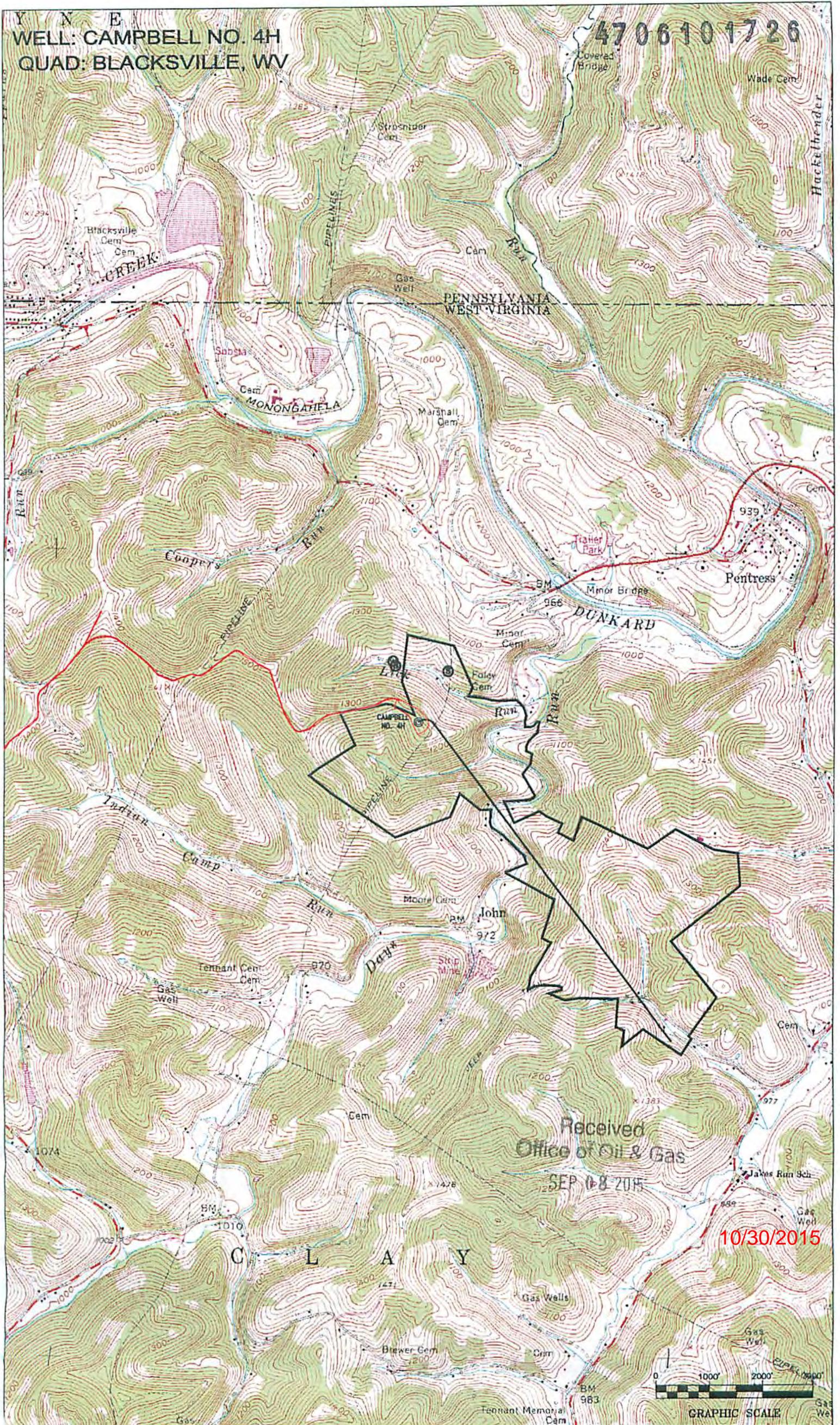
AS-BUILT ELEVATION: 1,293.6'
QUADRANGLE: BLACKSVILLE, WV
ACREAGE: 7.05 +/- 10/30/2015
ACREAGE: 487.99 +/-

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: 8,118' TMD: 15,672'
WELL OPERATOR: NORTHEAST NATURAL ENERGY LLC
DESIGNATED AGENT: JOHN ADAMS
ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200
CITY: CHARLESTON STATE: WV ZIP CODE: 25301

Y N E
WELL: CAMPBELL NO. 4H
QUAD: BLACKSVILLE, WV

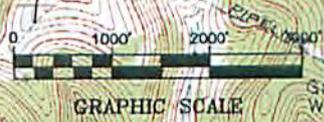
4706101726



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WEST VIRGINIA

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SEP 08 2015

10/30/2015



WW-6A1
(5/13)

Operator's Well No. Campbell 4H

**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 Attachment	See Attachment	See Attachment	See Attachment	See Attachment

**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: Hollis M. Madley
 Its: Regulatory Coordinator

Office of Oil & Gas

SEP 08 2015

Page 1 of 7

10/30/2015

WW-6A1

Operator's Well No. Campbell 4H

NNE Lease No.	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page	Tax Map & Parcel
WV-061-003293-000	CAMPBELL, ELLEN FOLEY	Northeast Natural Energy LLC	.125 or greater	1494/880	4-7-48
WV-061-003236-001	MCCOY, CHRISTINE DILLIE	*Chesapeake Appalachia LLC	.125 or greater	1450/526	4-7-31
WV-061-003236-002	DILLE, CORY AND RISHIRA	Northeast Natural Energy LLC	.125 or greater	1493/213	4-7-31
WV-061-003236-003	DILLE, JOSHUA	Northeast Natural Energy LLC	.125 or greater	1493/215	4-7-31
WV-061-003236-004	SHRIVER, SHASTA DILLE AND RICHARD	Northeast Natural Energy LLC	.125 or greater	1494/882	4-7-31
WV-061-003292-001	BREWER, RAYMOND C. AND RUBY T.	Northeast Natural Energy LLC	.125 or greater	1495/010	4-7-31
WV-061-003292-002	HENDERSON, JOY S.	Northeast Natural Energy LLC	.125 or greater	1498/633	4-7-31
WV-061-003292-003	BREWER, JAMES EUGENE AND JEANNE L.	Northeast Natural Energy LLC	.125 or greater	1498/832	4-7-31
WV-061-003292-004	AMMONS, LOLA AND DELBERT E.	Northeast Natural Energy LLC	.125 or greater	1500/575	4-7-31
WV-061-003292-005	MOORE, ROBERT MICHAEL	Northeast Natural Energy LLC	.125 or greater	1500/581	4-7-31
WV-061-003292-006	HALL, MARY BREWER AND DAVID J.	Northeast Natural Energy LLC	.125 or greater	1502/744	4-7-31
WV-061-003292-007	MOORE, JAMES PATRICK AND NINA R.	Northeast Natural Energy LLC	.125 or greater	1510/708	4-7-31
WV-061-003292-008	DEZOUTE, MARY BETH	Northeast Natural Energy LLC	.125 or greater	1503/209	4-7-31
WV-061-003292-009	EDDY, RONALD EUGENE AND MARTHA J.	Northeast Natural Energy LLC	.125 or greater	1503/199	4-7-31
WV-061-003292-010	MOORE, CHARLES C.	Northeast Natural Energy LLC	.125 or greater	1503/647	4-7-31
WV-061-003292-011	YEAGER, JACQUEL	Northeast Natural Energy LLC	.125 or greater	1503/663	4-7-31
WV-061-003292-012	PYLES, WILDA E. AND MARGUERITE	Northeast Natural Energy LLC	.125 or greater	1503/552	4-7-31
WV-061-003292-013	VARNER, ETHEL A.	Northeast Natural Energy LLC	.125 or greater	1509/703	4-7-31
WV-061-003292-014	VARNER, RALPH T.	Northeast Natural Energy LLC	.125 or greater	1505/119	4-7-31
WV-061-003292-015	VARNER, EVERETT E. AND PAMELA J.	Northeast Natural Energy LLC	.125 or greater	1505/171	4-7-31
WV-061-003292-016	VARNER, IRA E. AND GERALDINE L.	Northeast Natural Energy LLC	.125 or greater	1506/047	4-7-31
WV-061-003292-017	HEMMER, RUBY E.	Northeast Natural Energy LLC	.125 or greater	1506/045	4-7-31
WV-061-003292-018	KETELSEN, MARY ANN	Northeast Natural Energy LLC	.125 or greater	1508/483	4-7-31
WV-061-003305-001	HENKINS, ROBERT CURTIS AND SHELLEY D.	Northeast Natural Energy LLC	.125 or greater	1498/596	4-7-31
WV-061-003305-002	HENKINS, E. SCOTT AND JOYCE M.	Northeast Natural Energy LLC	.125 or greater	1498/619	4-7-31
WV-061-003305-003	CASTAGNERI, RUTH ANN	Northeast Natural Energy LLC	.125 or greater	1498/608	4-7-31
WV-061-003305-004	KING, SUSAN H. AND WILLIAM L.	Northeast Natural Energy LLC	.125 or greater	1498/842	4-7-31
WV-061-003305-005	TENNANT, RICHARD CURTIS AND SHELLEY D.	Northeast Natural Energy LLC	.125 or greater	1498/596	4-7-31
WV-061-003305-006	EIERMAN, THERESA J. AND JOSEPH A.	Northeast Natural Energy LLC	.125 or greater	1509/270	4-7-31
WV-061-003305-007	BODENHAMER, CHARLOTTE	Northeast Natural Energy LLC	.125 or greater	1511/627	4-7-31
WV-061-003305-008	NEWSOME, MARTHA AND ROGER	Northeast Natural Energy LLC	.125 or greater	1507/714	4-7-31
WV-061-003305-009	STANTON, JOHN M. AND ELIZABETH A.	Northeast Natural Energy LLC	.125 or greater	1507/714	4-7-31
WV-061-003305-010	LEWIS, BARRY W.	Northeast Natural Energy LLC	.125 or greater	1507/714	4-7-31
WV-061-003305-011	SNYDER, PRISCILLA JANE	Northeast Natural Energy LLC	.125 or greater	1510/714	4-7-31

Received
Office of Oil & Gas
SEP 08 2015

10/30/2015

WV-061-003305-013	JOHNSON, MARTHA N.	Northeast Natural Energy LLC	.125 or greater	1514/108	4-7-31
WV-061-003305-016	MADDEN, MICHAEL W.	Northeast Natural Energy LLC	.125 or greater	1513/277	4-7-31
WV-061-001871-002	LEMLEY, SUSAN AND WILLIAM	NORTHEAST NATURAL ENERGY LLC	.125 or greater	1515/745	4-7-47
WV-061-003409-000	MAIN, SANDRA RAYE AND ARTHUR LEE	Northeast Natural Energy LLC	.125 or greater	1507/822	4-7-49
WV-061-002589-001	WACO OIL & GAS CO., INC.	*Chesapeake Appalachia LLC	.125 or greater	1441/0001	4-7-46
WV-061-002594-001	MOORE, PAULINE W.	*Chesapeake Appalachia LLC	.125 or greater	1436/431	4-7-46
WV-061-002594-002	PIFER, DONNA IRENE	*Chesapeake Appalachia LLC	.125 or greater	1434/442	4-7-46
WV-061-002594-003	FLUHARTY, ROGER S.	*Chesapeake Appalachia LLC	.125 or greater	1442/577	4-7-46
WV-061-002594-004	HYDE, LINDA I.	*Chesapeake Appalachia LLC	.125 or greater	1442/561	4-7-46
WV-061-002594-005	SYPOLT, LAURA ELLEN	*Chesapeake Appalachia LLC	.125 or greater	1436/439	4-7-46
WV-061-002594-006	BYARD, SHARON E.	*Chesapeake Appalachia LLC	.125 or greater	1440/660	4-7-46
WV-061-002594-007	TOOTHMAN, LORNA D.	*Chesapeake Appalachia LLC	.125 or greater	1442/585	4-7-46
WV-061-002594-008	PARKER, MARY HAUGHT	*Chesapeake Appalachia LLC	.125 or greater	1437/28	4-7-46
WV-061-002594-009	HAUGHT, DAVID M. AND RONDA S.	*Chesapeake Appalachia LLC	.125 or greater	1437/31	4-7-46
WV-061-002594-010	HELDRETH, SANDRA J.	*Chesapeake Appalachia LLC	.125 or greater	1442/581	4-7-46
WV-061-002594-011	DERBY, DIANN	*Chesapeake Appalachia LLC	.125 or greater	1436/434	4-7-46
WV-061-002594-012	DIXON, ANDREA K. AND PAUL R.	*Chesapeake Appalachia LLC	.125 or greater	1437/35	4-7-46
WV-061-002594-013	TOMASSETTI, GLENDA JOYCE	*Chesapeake Appalachia LLC	.125 or greater	1438/654	4-7-46
WV-061-002594-014	HAUGHT, RONALD J. AND MARLENE G.	*Chesapeake Appalachia LLC	.125 or greater	1442/527	4-7-46
WV-061-002594-015	HAUGHT, ANCEL AND PATRICIA	*Chesapeake Appalachia LLC	.125 or greater	1439/333	4-7-46
WV-061-002594-016	HAUGHT, WARREN P.	*Chesapeake Appalachia LLC	.125 or greater	1439/312	4-7-46
WV-061-002594-017	WOODS, LOUELLA K. AND CHARLES E.	*Chesapeake Appalachia LLC	.125 or greater	1439/320	4-7-46
WV-061-002594-018	LEARY, CONNIE S.	*Chesapeake Appalachia LLC	.125 or greater	1439/304	4-7-46
WV-061-002594-019	HAUGHT, RODNEY L. AND GEORGEANN	*Chesapeake Appalachia LLC	.125 or greater	1439/212	4-7-46
WV-061-002594-020	HAUGHT, DALE AND NINA F.	*Chesapeake Appalachia LLC	.125 or greater	1439/216	4-7-46
WV-061-002594-021	HAUGHT, COLLEEN	*Chesapeake Appalachia LLC	.125 or greater	1439/226	4-7-46
WV-061-002594-022	HAUGHT, WARREN J. AND RONDA J.	*Chesapeake Appalachia LLC	.125 or greater	1440/618	4-7-46
WV-061-002594-023	OHMS MARY D. AND EUGENE J.	*Chesapeake Appalachia LLC	.125 or greater	1440/622	4-7-46
WV-061-002594-024	HAUGHT, JAMES E. AND REBECCA E.	*Chesapeake Appalachia LLC	.125 or greater	1441/841	4-7-46
WV-061-002594-025	HAUGHT, ROBERT C. AND KATHY J.	*Chesapeake Appalachia LLC	.125 or greater	1442/168	4-7-46
WV-061-002594-026	FLUHARTY, DONNA LEE	*Chesapeake Appalachia LLC	.125 or greater	1442/565	4-7-46
WV-061-002594-027	HAUGHT, JAMES B.	*Chesapeake Appalachia LLC	.125 or greater	1443/217	4-7-46
WV-061-002594-028	HAUGHT, DONALD J. AND PATRICIA L.	*Chesapeake Appalachia LLC	.125 or greater	1443/209	4-7-46
WV-061-002594-029	TENNANT, ROBERT N.	*Chesapeake Appalachia LLC	.125 or greater	1444/288	4-7-46
WV-061-002594-030	HAUGHT, JASON L.	*Chesapeake Appalachia LLC	.125 or greater	1444/280	4-7-46
WV-061-002594-031	HAUGHT, STANLEY L.	*Chesapeake Appalachia LLC	.125 or greater	1445/167	4-7-46

Received
Office of Oil & Gas

SEP 08 2015

10/30/2015

WV-061-002594-032	HAUGHT, BELLETTA K.	*Chesapeake Appalachia LLC	.125 or greater	1447/507	4-7-46
WV-061-002594-033	MERILLAT, MARY V.	*Chesapeake Appalachia LLC	.125 or greater	1453/576	4-7-46
WV-061-003623-001	CNX GAS COMPANY LLC	Northeast Natural Energy LLC	.125 or greater	1527/736	4-7-55
WV-061-000844-001	WILLARD, GEORGE W. AND ANNA M.	Northeast Natural Energy LLC	.125 or greater	1467/280	4-7-53,54,66,57,64
WV-061-000844-002	SHISLER, ROSEANNE AND ROBERT A.	Northeast Natural Energy LLC	.125 or greater	1467/296	4-7-53,54,66,57,64
WV-061-000844-004	DELANEY, CAROLYN S.	Northeast Natural Energy LLC	.125 or greater	1472/701	4-7-53,54,66,57,64
WV-061-000844-005	BARR, LINDA GAIL AND BILLY D.	Northeast Natural Energy LLC	.125 or greater	1472/705	4-7-53,54,66,57,64
WV-061-000844-006	MOORE, BILLY MOSS AND MELANIE J.	Northeast Natural Energy LLC	.125 or greater	1472/703	4-7-53,54,66,57,64
WV-061-000844-007	HARE, EDWARD G. AND BRENDA L.	Northeast Natural Energy LLC	.125 or greater	1472/707	4-7-53,54,66,57,64
WV-061-000844-008	AMMONS, NOAH CHARLES	Northeast Natural Energy LLC	.125 or greater	1473/356	4-7-53,54,66,57,64
WV-061-000844-009	HOLMES, PENNY ARLENE AND BRADLEY K.	Northeast Natural Energy LLC	.125 or greater	1473/358	4-7-53,54,66,57,64
WV-061-000844-010	MOORE, CURTIS RAY AND CRYSAAN E.	Northeast Natural Energy LLC	.125 or greater	1473/354	4-7-53,54,66,57,64
WV-061-000844-011	EDDY, C. SUE	Northeast Natural Energy LLC	.125 or greater	1473/503	4-7-53,54,66,57,64
WV-061-000844-012	WILLARD, DAVID C. AND BRENDA S.	Northeast Natural Energy LLC	.125 or greater	1473/505	4-7-53,54,66,57,64
WV-061-000844-013	JENKINS, JANET L.	Northeast Natural Energy LLC	.125 or greater	1473/507	4-7-53,54,66,57,64
WV-061-000844-014	MCMILLEN, MARIA ANN AND MILLARD E.	Northeast Natural Energy LLC	.125 or greater	1473/509	4-7-53,54,66,57,64
WV-061-000844-015	FORTNEY, LENORA SUE	Northeast Natural Energy LLC	.125 or greater	1473/511	4-7-53,54,66,57,64
WV-061-000844-016	MOORE, JOHNNY EDGAR AND MARY E.	Northeast Natural Energy LLC	.125 or greater	1473/513	4-7-53,54,66,57,64
WV-061-000844-017	ROBINSON, BETTY L.	Northeast Natural Energy LLC	.125 or greater	0121/157	4-7-53,54,66,57,64
WV-061-000844-018	WILLARD, MARVIN EUGENE	Northeast Natural Energy LLC	.125 or greater	1477/544	4-7-53,54,66,57,64
WV-061-000844-019	WILLARD, JR., JOE C. AND LILY V.	Northeast Natural Energy LLC	.125 or greater	1477/546	4-7-53,54,66,57,64
WV-061-000844-020	WRIGHT, PATRICIA ANN AND DOUGLAS K.	Northeast Natural Energy LLC	.125 or greater	1479/528	4-7-53,54,66,57,64
WV-061-000844-021	WILLARD, QUENTIN W.	Northeast Natural Energy LLC	.125 or greater	1480/093	4-7-53,54,66,57,64
WV-061-000844-022	MILES, FLORENCE AND THOMAS	Northeast Natural Energy LLC	.125 or greater	1480/091	4-7-53,54,66,57,64
WV-061-000844-023	ALDRIDGE, JIMMIE LEE AND JOYCE	Northeast Natural Energy LLC	.125 or greater	1480/103	4-7-53,54,66,57,64
WV-061-000844-024	PROCTOR, EARL	Northeast Natural Energy LLC	.125 or greater	1480/105	4-7-53,54,66,57,64
WV-061-000844-025	GIEBELER, VERNA LEE AND WALTER	Northeast Natural Energy LLC	.125 or greater	1478/635	4-7-53,54,66,57,64
WV-061-000844-026	NEGLEY, DONRA J. AND CHRISTOPHER L.	Northeast Natural Energy LLC	.125 or greater	1478/637	4-7-53,54,66,57,64
WV-061-000844-027	HOLMES, LENA D. AND MITCHELL L.	Northeast Natural Energy LLC	.125 or greater	1478/641	4-7-53,54,66,57,64
WV-061-000844-028	RABER, JR., RONALD E. AND BARBARA M.	Northeast Natural Energy LLC	.125 or greater	1479/108	4-7-53,54,66,57,64
WV-061-000844-029	VARNER, KAREN SUE	Northeast Natural Energy LLC	.125 or greater	1479/760	4-7-53,54,66,57,64
WV-061-000844-030	VARNER, DAVID M. AND KATHY	Northeast Natural Energy LLC	.125 or greater	1479/746	4-7-53,54,66,57,64
WV-061-000844-031	VARNER, DELMAS EARL AND DEBORAH	Northeast Natural Energy LLC	.125 or greater	1479/748	4-7-53,54,66,57,64
WV-061-000844-032	VARNER, DANIEL WEBSTER	Northeast Natural Energy LLC	.125 or greater	1481/255	4-7-53,54,66,57,64
WV-061-000844-033	LONG, MABLE	Northeast Natural Energy LLC	.125 or greater	1481/273	4-7-53,54,66,57,64
WV-061-000844-034	PARROTTA, DEMA AND RICHARD	Northeast Natural Energy LLC	.125 or greater	1481/273	4-7-53,54,66,57,64

Received
Office of Oil & Gas

SEP 08 2015 10/30/2015

WV-061-000844-035	MOORE, RONALD L.	Northeast Natural Energy LLC	.125 or greater	1483/403	4-7-53,54,66,57,64
WV-061-000844-036	MOORE, RICHARD L.	Northeast Natural Energy LLC	.125 or greater	1483/413	4-7-53,54,66,57,64
WV-061-000844-037	STEWART, CONNIE M.	Northeast Natural Energy LLC	.125 or greater	1483/421	4-7-53,54,66,57,64
WV-061-000844-038	PETHTEL, JACK E.	Northeast Natural Energy LLC	.125 or greater	1483/405	4-7-53,54,66,57,64
WV-061-000844-039	MOORE, ROBERT L. AND ROBIN L.	Northeast Natural Energy LLC	.125 or greater	1483/819	4-7-53,54,66,57,64
WV-061-000844-040	PROHASKA, ANNA L.	Northeast Natural Energy LLC	.125 or greater	1483/853	4-7-53,54,66,57,64
WV-061-000844-041	LANDBERG, GAIL AND PAUL	Northeast Natural Energy LLC	.125 or greater	1483/851	4-7-53,54,66,57,64
WV-061-000844-042	LANDBERG, KENNETH AND KATHLEEN ZONA	Northeast Natural Energy LLC	.125 or greater	1483/849	4-7-53,54,66,57,64
WV-061-000844-043	WALSH, LAURA PROHASKA AND BRIAN G.	Northeast Natural Energy LLC	.125 or greater	1483/837	4-7-53,54,66,57,64
WV-061-000844-044	TENNANT, MARTHA ELAINE	Northeast Natural Energy LLC	.125 or greater	1483/800	4-7-53,54,66,57,64
WV-061-000844-045	TENNANT, FREEMAN LESTER AND VIRGINIA AGNES	Northeast Natural Energy LLC	.125 or greater	1483/781	4-7-53,54,66,57,64
WV-061-000844-046	LEMLEY, MARY F.	Northeast Natural Energy LLC	.125 or greater	1483/771	4-7-53,54,66,57,64
WV-061-000844-047	WIANDT, DEBRA KAY AND STEVEN C.	Northeast Natural Energy LLC	.125 or greater	1483/743	4-7-53,54,66,57,64
WV-061-000844-048	MOORE, GARY AND ELLEN MOORE	Northeast Natural Energy LLC	.125 or greater	1483/811	4-7-53,54,66,57,64
WV-061-000844-049	MOORE, ANDREA A.	Northeast Natural Energy LLC	.125 or greater	1485/173	4-7-53,54,66,57,64
WV-061-000844-050	MOORE, STEPHEN AND RACHEL L.	Northeast Natural Energy LLC	.125 or greater	1485/171	4-7-53,54,66,57,64
WV-061-000844-051	MOORE, ERIC W. AND SHARON L.	Northeast Natural Energy LLC	.125 or greater	1485/360	4-7-53,54,66,57,64
WV-061-000844-052	TRUST CREATED UNDER THE LAST WILL AND TESTAMENT OF DONALD E. MOORE, BY A. MARK LOWDERMILK, TRUSTEE	Northeast Natural Energy LLC	.125 or greater	1486/632	4-7-53,54,66,57,64
WV-061-000844-053	CONNORS, CARLA R. AND JOHN R.	Northeast Natural Energy LLC	.125 or greater	1486/561	4-7-53,54,66,57,64
WV-061-000844-054	SHIVERTAKER, DIANNA L. AND LAWRENCE	Northeast Natural Energy LLC	.125 or greater	1486/563	4-7-53,54,66,57,64
WV-061-000844-055	SCHNEIDER, PATRICIA S. AND GEORGE W.	Northeast Natural Energy LLC	.125 or greater	1491/684	4-7-53,54,66,57,64
WV-061-001013-000	SHUMAN, STEPHEN K. AND SHUMAN, INC.	Northeast Natural Energy LLC	.125 or greater	1471/669	4-7-53,54,66,57,64
WV-061-003271-001	CHESAPEAKE APPALACHIA, LLC.	*Chesapeake Appalachia LLC	.125 or greater	1487/244	4-7-53,54,66,57,64
WV-061-001038-001	STATLER, RUBY K.	Northeast Natural Energy LLC	.125 or greater	1483/489	4-6-19
WV-061-001038-002	TENNANT, PATRICIA	Northeast Natural Energy LLC	.125 or greater	1483/491	4-6-19
WV-061-001038-003	MONTRENEs, EDDIE E.	Northeast Natural Energy LLC	.125 or greater	1484/711	4-6-19
WV-061-001038-004	TENNANT, CONNIE	Northeast Natural Energy LLC	.125 or greater	1484/060	4-6-19
WV-061-001038-005	YEATER, DORIS L.	Northeast Natural Energy LLC	.125 or greater	1485/179	4-6-19
WV-061-001038-006	LEMLEY, JANET JONES AND EARL W.	Northeast Natural Energy LLC	.125 or greater	1485/189	4-6-19
WV-061-001038-007	JONES, ALBERT D. AND CAROLYN S.	Northeast Natural Energy LLC	.125 or greater	1485/191	4-6-19
WV-061-001038-008	JOHNSON, WILLIAM A.	Northeast Natural Energy LLC	.125 or greater	1486/154	4-6-19
WV-061-001038-009	HATFIELD, SUSAN MARIE	Northeast Natural Energy LLC	.125 or greater	1486/559	4-6-19
WV-061-001038-010	ZABOROWSKI, MARY FRANCIS	Northeast Natural Energy LLC	.125 or greater	1486/555	4-6-19
WV-061-001038-011	HATFIELD, EDWIN KEITH	Northeast Natural Energy LLC	.125 or greater	1486/288	4-6-19
WV-061-001069-001	JOHNSON, WILLIAM A.	Northeast Natural Energy LLC	.125 or greater	1487/684	4-6-19
WV-061-001069-002	TENNANT, PATRICIA	Northeast Natural Energy LLC	.125 or greater	1487/682	4-6-19

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WV-061-001069-003	TENNANT, CONNIE	Northeast Natural Energy LLC	.125 or greater	1488/884	4-6-19
WV-061-001069-004	MONTRENES, EDDIE E.	Northeast Natural Energy LLC	.125 or greater	1489/005	4-6-19
WV-061-001069-005	HATFIELD, EDWIN KEITH	Northeast Natural Energy LLC	.125 or greater	1491/701	4-6-19
WV-061-001069-006	YEATER, DORIS L.	Northeast Natural Energy LLC	.125 or greater	1492/415	4-6-19
WV-061-001069-007	STATLER, RUBY	Northeast Natural Energy LLC	.125 or greater	1492/423	4-6-19
WV-061-001107-000	SHUMAN, INC.	*Chesapeake Appalachia LLC	.125 or greater	1429/371	4-6-19
WV-061-001989-001	ARNETT, RUTH AND ROBERT	*Chesapeake Appalachia LLC	.125 or greater	1395/198	4-11-1
WV-061-001989-002	TENNANT, DENZIL	*Chesapeake Appalachia LLC	.125 or greater	1394/191	4-11-1
WV-061-001989-003	WILSON, BERTHA	*Chesapeake Appalachia LLC	.125 or greater	1395/207	4-11-1
WV-061-001989-004	TENNANT, LEROY	*Chesapeake Appalachia LLC	.125 or greater	1395/210	4-11-1
WV-061-001989-005	VARNER, KAREN SUE	*Chesapeake Appalachia LLC	.125 or greater	1395/625	4-11-1
WV-061-001989-006	LIVENGOOD, TERRI	*Chesapeake Appalachia LLC	.125 or greater	1396/128	4-11-1
WV-061-001989-007	VARNER, MARTIN ELLIS AND JOY F.	*Chesapeake Appalachia LLC	.125 or greater	1397/577	4-11-1
WV-061-001989-008	VARNER, RODNEY	*Chesapeake Appalachia LLC	.125 or greater	1396/131	4-11-1
WV-061-001989-009	VARNER, DOUGLAS AND VICKI	*Chesapeake Appalachia LLC	.125 or greater	1396/134	4-11-1
WV-061-001989-011	TENNANT, DAVID AND BRENDA	*Chesapeake Appalachia LLC	.125 or greater	1396/137	4-11-1
WV-061-001989-012	VARNER, WILLA JANE	*Chesapeake Appalachia LLC	.125 or greater	1397/580	4-11-1
WV-061-001989-013	PARROTTA, DENNA LOISE AND RICHARD VARNER	*Chesapeake Appalachia LLC	.125 or greater	1397/583	4-11-1
WV-061-001989-014	CORDER, LEORA M.	*Chesapeake Appalachia LLC	.125 or greater	1400/473	4-11-1
WV-061-001991-001	VARNER, DELMAS EARL AND DEBORAH L.	*Chesapeake Appalachia LLC	.125 or greater	1395/201	4-11-1
WV-061-001992-001	BREWER, NORMAN	*Chesapeake Appalachia LLC	.125 or greater	1395/204	4-11-1
WV-061-001417-002	STATLER, RUBY	*Chesapeake Appalachia LLC	.125 or greater	1384/410	4-11-30
WV-061-003515-001	DRIVER, PATRICIA G.	Northeast Natural Energy LLC	.125 or greater	1521/582	4-11-30.1

*See Attachment

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Chesapeake Appalachia, LLC.



Northeast Natural Energy
Assignment
BK 120/769

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August 20, 2015

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

RE: Campbell 4H

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 Days Run Road (State Route 25) and Loge Tennant Road/Dooley Run Road (State Route 20/1) on the enclosed survey plat.

Sincerely,

A handwritten signature in blue ink that reads 'Jeannie Morgan Johnson'.

Jeannie Morgan Johnson, CPL
Vice President – Land Operations

Enclosure

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

Date of Notice Certification: 09/03/2015

API No. 47- _____

Operator's Well No. Campbell 4H

Well Pad Name: Campbell

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>569981.2</u>
County: <u>Monongalia</u>		Northing: <u>4394744.8</u>
District: <u>Clay</u>	Public Road Access: <u>State Route 218 (Daybrook Road)</u>	
Quadrangle: <u>Blacksville, WV</u>	Generally used farm name: <u>Campbell</u>	
Watershed: <u>Dunkard</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.

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

- 1. NOTICE OF SEISMIC ACTIVITY or NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED
- 2. NOTICE OF ENTRY FOR PLAT SURVEY or NO PLAT SURVEY WAS CONDUCTED
- 3. NOTICE OF INTENT TO DRILL or NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH)
- 4. NOTICE OF PLANNED OPERATION
- 5. PUBLIC NOTICE
- 6. NOTICE OF APPLICATION

OOG OFFICE USE ONLY

RECEIVED/ NOT REQUIRED

RECEIVED

RECEIVED/ NOT REQUIRED

RECEIVED

RECEIVED

RECEIVED

Required Attachments:

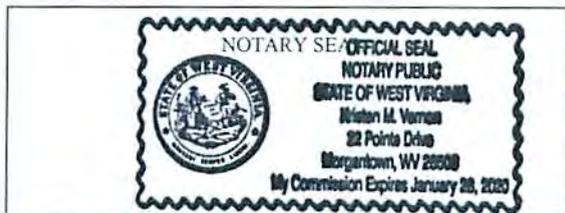
The Operator shall attach to this Notice Certification Form all Notice Forms and Certifications of Notice that have been provided to the required parties and/or any associated written waivers. For the Public Notice, the operator shall attach a copy of the Class II Legal Advertisement with publication 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 notified 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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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 Street East, Suite 1200</u>
By:	<u>Hollie M. Medley</u>		<u>Charleston, WV 25301</u>
Its:	<u>Regulatory Coordinator</u>	Facsimile:	<u>304-241-5972</u>
Telephone:	<u>304-241-5752 ext. 7108</u>	Email:	<u>hmedley@nne-llc.com</u>



Hollie M. Medley
Subscribed and sworn before me this 3rd day of September 2015

[Signature] Notary Public

My Commission Expires January 28, 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.

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

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

Date of Notice: 8/7/2015 **Date Permit Application Filed:** 9/3/2015

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 Attachment
Address: _____
Name: _____
Address: _____

COAL OWNER OR LESSEE
Name: See Attachment
Address: _____
 COAL OPERATOR
Name: _____
Address: _____

SURFACE OWNER(s) (Road and/or Other Disturbance)
Name: See Attachment
Address: _____
Name: _____
Address: _____

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

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

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

*Please attach additional forms if necessary

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Campbell 4H

Surface Owner(S)

Consolidated Coal Company ✓
CNX Center
1000 Consol Energy Drive
Canonsburg, PA 15317

Ellen F. Campbell ✓
1349 Buckeye Road
Mt. Morris, PA 15349

Anna M. Herron ✓
174 Lick Run Road
Fairview, WV 26570

Charles K. Herron ✓
3115 Dillon Avenue
Cheyenne, WY 82001

Henry G. Herron ✓
1112 North Lewellen Street
Wichita, KS 67203

Donald R. Herron ✓
14213 West Sheriac Circle
Wichita, KS 67235

James F. Herron ✓
903 Bluff View Court
Chippewa Falls, WI 54729

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

Consolidated Coal Company
CNX Center
1000 Consol Energy Drive
Canonsburg, PA 15317

Ellen F. Campbell
1349 Buckeye Road
Mt. Morris, PA 15349

Anna M. Herron
174 Lick Run Road
Fairview, WV 26570

Charles K. Herron
3115 Dillon Avenue
Cheyenne, WY 82001

Henry G. Herron
1112 North Lewellen Street
Wichita, KS 67203

Donald R. Herron
14213 West Sheriac Circle
Wichita, KS 67235

James F. Herron
903 Bluff View Court
Chippewa Falls, WI 54729

Aaron K. Fisher
2524 Paxton Street
Woodbridge, VA 22192

Alex Wilson
2344 Daybrook Road
Fairview, WV 26570
Arthur and Sandra L. Main

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10/30/2015

Arthur and Sandra L. Main ✓
258 Days Run Road
Fairview, WV 26570-9209

Clarence L. and Betty Jo Tennant ✓
72 Dustin Lane
Morgantown, 26501

Coastal Forest Resources Company ✓
P.O. Box 709
Buckhannon, WV 26201

David Allen Simpson ✓
657 Daybrook Road
Fairview, WV 26570

Edna F. Simpson (life estate), ✓
Mr. & Mrs. Donnie E. Simpson
993 Daybrook Road
Fairview, WV 26570

Gary E. Simpson ✓
67 McCoy Road
Fairview, WV 26570

John Basile ✓
P.O. Box 194
Blacksville, WV 26521

Kenneth W. & Clara M. Dean ✓
P.O. Box 27
Blacksville, WV 26521

Nimrod and Christine Dillie McCoy ✓
306 Lick Run Road
Fairview, WV 26570

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Richard Price
1047 Daybrook Road
Fairview, WV 26570

Robert and Lucy Wilson
P.O. Box 678
Buckeye, OH 43008

William M. and Pamela S. Gardner
310 Harner Road
Bruceeton Mills, WV 26525

William J. and Linda S. Solomon
1440 Fairfield Street
Star City, WV 26505

Coal Owner or Lessee

Consolidated Coal Company
CNX Center
1000 Consol Energy Drive
Canonsburg, PA 15317

Coal Operator

Patriot Coal Corporation
P.O. Box 1001
Scott Depot, WV 26550-1001

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

Anna M. Herron
174 Lick Run Road
Fairview, WV 26570

Charles K. Herron
3115 Dillon Avenue
Cheyenne, WY 82001

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SEP 08 2015

10/30/2015

4706101726

Henry G. Herron
1112 North Lewellen Street
Wichita, KS 67203

Donald R. Herron
14213 West Sheriac Circle
Wichita, KS 67235

James F. Herron
903 Bluff View Court
Chippewa Falls, WI 54729

Nimrod and Christine Dillie McCoy
306 Lick Run Road
Fairview, WV 26570

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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 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Well Location Restrictions

Pursuant to W. Va. Code § 22-6A-12, Wells may not be drilled within two hundred fifty feet measured horizontally from any existing water well or developed spring used for human or domestic animal consumption. The center of well pads may not be located within six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hundred square feet or larger used to house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, developed springs, dwellings or agricultural buildings that existed on the date a notice to the surface owner of planned entry for surveying or staking as provided in section ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section sixteen of this article was provided, whichever occurs first, and to any dwelling under construction prior to that date. This limitation may be waived by written consent of the surface owner transmitted to the department and recorded in the real property records maintained by the clerk of the county commission for the county in which such property is located. Furthermore, the well operator may be granted a variance by the secretary from these distance restrictions upon submission of a plan which identifies the sufficient measures, facilities or practices to be employed during well site construction, drilling and operations. The variance, if granted, shall include terms and conditions the department requires to ensure the safety and protection of affected persons and property. The terms and conditions may include insurance, bonding and indemnification, as well as technical requirements. (b) No well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artificial lake, pond or reservoir, or a wetland, or within three hundred feet of a naturally reproducing trout stream. No well pad may be located within one thousand feet of a surface or ground water intake of a public water supply. The distance from the public water supply as identified by the department shall be measured as follows: (1) For a surface water intake on a lake or reservoir, the distance shall be measured from the boundary of the lake or reservoir. (2) For a surface water intake on a flowing stream, the distance shall be measured from a semicircular radius extending upstream of the surface water intake. (3) For a groundwater source, the distance shall be measured from the wellhead or spring. The department may, in its discretion, waive these distance restrictions upon submission of a plan identifying sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. A waiver, if granted, shall impose any permit conditions as the secretary considers necessary. (c) Notwithstanding the foregoing provisions of this section, nothing contained in this section prevents an operator from conducting the activities permitted or authorized by a Clean Water Act Section 404 permit or other approval from the United States Army Corps of Engineers within any waters of the state or within the restricted areas referenced in this section. (d) The well location restrictions set forth in this section shall not apply to any well on a multiple well pad if at least one of the wells was permitted prior to the effective date of this article. (e) The secretary shall, by December 31, 2015, 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

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WW-6A
(8-13)

API NO. 47- _____ - _____
OPERATOR WELL NO. Campbell 4H
Well Pad Name: Campbell

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

Water Well Testing:

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

Water Testing Laboratories:

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

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

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

Written Comment:

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

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

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.**

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SEP 08 2015

10/30/2015

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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10/30/2015

4706101726

WW-6A
(8-13)

API NO. 47- _____ - _____
OPERATOR WELL NO. Campbell 4H
Well Pad Name: Campbell

Notice is hereby given by:

Well Operator: Northeast Natural Energy LLC
Telephone: 304-241-5752 ext. 7108
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.

Holly M. Medley



Subscribed and sworn before me this 3rd day of September 2015.

Kristen M. Vernon Notary Public

My Commission Expires January 28, 2020

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4706101726

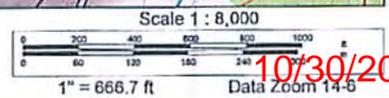
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WW-6A3
(1/12)

Operator Well No. Campbell

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: 10/18/2013 Date of Planned Entry: 10/28/2013

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 Attachment
 Address: _____

 Name: _____
 Address: _____

 Name: _____
 Address: _____

COAL OWNER OR LESSEE

Name: See Attachment
 Address: _____

MINERAL OWNER(s)

Name: See Attachment
 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>0569970.9, 4394760.9 (UTM 83)</u>
County: <u>Monongalia</u>	Public Road Access: <u>State Route 25/8 or 25/4 or 23/4</u>
District: <u>Clay</u>	Watershed: <u>Dunkard Creek</u>
Quadrangle: <u>Blacksville 7.6'</u>	Generally used farm name: <u>Campbell</u>

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

Notice is hereby given by:

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

Address: 707 Virginia Street East, Suite 1200
Charleston, WV 25301
 Facsimile: 304-414-7061

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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.

4706101726

Campbell Well Pad

Surface Owner(S)

Consolidated Coal Company
CNX Center
1000 Consol Energy Drive
Canonsburg, PA 15317

Ellen F. Campbell
1349 Buckeye Road
Mt. Morris, PA 15349

Coal Owner or Lessee

Consolidated Coal Company
CNX Center
1000 Consol Energy Drive
Canonsburg, PA 15317

Mineral Owner(s)

William and Susan Lemley
830 Sugar Run Road
Waynesburg, PA 15370

Ellen F. Campbell
1349 Buckeye Road
Mt. Morris, PA 15349

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10/30/2015

4706101726

Campbell 4H

Surface Owner(S)

Consolidated Coal Company ✓
CNX Center
1000 Consol Energy Drive
Canonsburg, PA 15317

Ellen F. Campbell ✓
1349 Buckeye Road
Mt. Morris, PA 15349

Anna M. Herron ✓
174 Lick Run Road
Fairview, WV 26570

Charles K. Herron ✓
3115 Dillon Avenue
Cheyenne, WY 82001

Henry G. Herron ✓
1112 North Lewellen Street
Wichita, KS 67203

Donald R. Herron ✓
14213 West Sheriac Circle
Wichita, KS 67235

James F. Herron ✓
903 Bluff View Court
Chippewa Falls, WI 54729

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10/30/2015

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: 08/07/2015 Date Permit Application Filed: 09/03/2015

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

CERTIFIED MAIL RETURN RECEIPT REQUESTED HAND 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: See Attachment Name: _____
Address: _____ Address: _____

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 UTM NAD 83 Easting: 569981.2
County: Monongalia Northing: 4394744.8
District: Clay Public Road Access: State Route 218 (Daybrook Road)
Quadrangle: Blacksville Generally used farm name: Campbell
Watershed: Dunkard Creek

This Notice Shall Include:

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

Well Operator: Northeast Natural Energy LLC Address: 707 Virginia Street East, Suite 1200
Telephone: 304-241-5752 ext. 7108 Charleston, WV 25301
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 or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

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10/30/2015

Campbell 4H

Surface Owner(S)

Consolidated Coal Company
CNX Center
1000 Consol Energy Drive
Canonsburg, PA 15317

Ellen F. Campbell
1349 Buckeye Road
Mt. Morris, PA 15349

Anna M. Herron
174 Lick Run Road
Fairview, WV 26570

Charles K. Herron
3115 Dillon Avenue
Cheyenne, WY 82001

Henry G. Herron
1112 North Lewellen Street
Wichita, KS 67203

Donald R. Herron
14213 West Sheriac Circle
Wichita, KS 67235

James F. Herron
903 Bluff View Court
Chippewa Falls, WI 54729

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

Consolidated Coal Company ✓

CNX Center

1000 Consol Energy Drive

Canonsburg, PA 15317

Ellen F. Campbell ✓

1349 Buckeye Road

Mt. Morris, PA 15349

Anna M. Herron ✓

174 Lick Run Road

Fairview, WV 26570

Charles K. Herron ✓

3115 Dillon Avenue

Cheyenne, WY 82001

Henry G. Herron ✓

1112 North Lewellen Street

Wichita, KS 67203

Donald R. Herron ✓

14213 West Sheriac Circle

Wichita, KS 67235

James F. Herron ✓

903 Bluff View Court

Chippewa Falls, WI 54729

Aaron K. Fisher ✓

2524 Paxton Street

Woodbridge, VA 22192

Alex Wilson ✓

2344 Daybrook Road

Fairview, WV 26570

Arthur and Sandra L. Main

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SEP 08 2015

10/30/2015

4706101726

Arthur and Sandra L. Main
258 Days Run Road
Fairview, WV 26570-9209

Clarence L. and Betty Jo Tennant
72 Dustin Lane
Morgantown, 26501

Coastal Forest Resources Company
P.O. Box 709
Buckhannon, WV 26201

David Allen Simpson
657 Daybrook Road
Fairview, WV 26570

Edna F. Simpson (life estate),
Mr. & Mrs. Donnie E. Simpson
993 Daybrook Road
Fairview, WV 26570

Gary E. Simpson
67 McCoy Road
Fairview, WV 26570

John Basile
P.O. Box 194
Blacksville, WV 26521

Kenneth W. & Clara M. Dean
P.O. Box 27
Blacksville, WV 26521

Nimrod and Christine Dillie McCoy
306 Lick Run Road
Fairview, WV 26570

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10/30/2015

4706101726

Richard Price ✓
1047 Daybrook Road
Fairview, WV 26570

Robert and Lucy Wilson ✓
P.O. Box 678
Buckeye, OH 43008

William M. and Pamela S. Gardner ✓
310 Harner Road
Bruceton Mills, WV 26525

William J. and Linda S. Solomon ✓
1440 Fairfield Street
Star City, WV 26505

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10/30/2015

WW-6AW
(1-12)

API NO. _____
OPERATOR WELL NO. Campbell 4H
Well Pad Name: Campbell

**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.

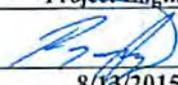
Pursuant to West Virginia Code § 22-6A-8(b) No permit may be issued less than thirty days after the filing date of the application for any well work except plugging or replugging; and no permit for plugging or replugging may be issued less than five days after the filing date of the application except 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, Ryan Arp, hereby state that I have read the Instructions to Persons Named on Page WW-6A and the associated provisions listed above, and that I have received copies of a Notice of Application, an Application for a Well Work Permit on Form WW-6A and attachments consisting of pages one (1) through _____, including the erosion and sediment control plan, if required, and the well plat, all for proposed well work on the tract of land as follows:

State:	<u>West Virginia</u>	WVSPN NAD 27	Easting:	<u>1,807,557.351</u>
County:	<u>Monongalia</u>		Northing:	<u>437,657.204</u>
District:	<u>Clay</u>	Public Road Access:	<u>State Route 218 (Daybrook Road)</u>	
Quadrangle:	<u>BLACKSVILLE</u>	Generally used farm name:	_____	
Watershed:	<u>Dunkard Creek</u>			

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials, **provided that Northeast Natural Energy LLC drills the well on WV North NAD27 coordinates of North 437,657.204, East 1,807,557.351. This statement does not serve as notice that CONSOL Mining Company LLC has waived its rights to mine all the coal or accept any responsibility for any damage to the well or surface facilities associated with the well by CONSOL Mining Company LLC mining activity. This Voluntary Statement of No Objection does not waive CONSOL Mining Company LLC's Common Law Property Rights in the State of West Virginia.**

<p>*Please check the box that applies</p> <p><input type="checkbox"/> SURFACE OWNER</p> <p><input type="checkbox"/> SURFACE OWNER (Road and/or Other Disturbance)</p> <p><input type="checkbox"/> SURFACE OWNER (Impoundments/Pits)</p> <p><input checked="" type="checkbox"/> COAL OWNER OR LESSEE</p> <p><input checked="" type="checkbox"/> COAL OPERATOR</p> <p><input type="checkbox"/> WATER PURVEYOR</p> <p><input type="checkbox"/> OPERATOR OF ANY NATURAL GAS STORAGE FIELD</p>	<p align="center">FOR EXECUTION BY A NATURAL PERSON</p> <p>Signature: _____</p> <p>Print Name: _____</p> <p>Date: _____</p>
	<p align="center">FOR EXECUTION BY A CORPORATION, ETC.</p> <p>Company: <u>CONSOL Mining Company LLC</u></p> <p>By: <u>Ryan Arp</u></p> <p>Its: <u>Project Engineer</u></p> <p>Signature: </p> <p>Date: <u>8/13/2015</u></p>

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory work. 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.

Received
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SEP 08 2015

10/30/2015

WW-6AW
(1-12)

API NO. 47- _____
OPERATOR WELL NO. Campbell 4H
Well Pad Name: Campbell

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

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

State: West Virginia UTM NAD 83 Easting: 589981.2
County: Monongalia Northing: 4394744.8
District: Clay Public Road Access: State Route 218 (Daybrook Road)
Quadrangle: Blacksville Generally used farm name: Campbell
Watershed: Durkard Creek

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>FOR EXECUTION BY A NATURAL PERSON</p> <p>Signature: <u>Ellen F. Campbell</u> Print Name: <u>ELLEN F. CAMPBELL</u> Date: <u>8/10/15</u></p> <p>FOR EXECUTION BY A CORPORATION, ETC.</p> <p>Company: _____ By: _____ Its: _____</p> <p>Signature: _____ Date: _____</p>
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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. We 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.

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10/30/2015

WW-6AW
(1-12)

API NO. 47- _____
 OPERATOR WELL NO. Campbell 4H
 Well Pad Name: Campbell

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

State: <u>West Virginia</u>	UTM NAD 83 Easting: <u>569981.2</u>
County: <u>Monongalia</u>	UTM NAD 83 Northing: <u>4394744.8</u>
District: <u>Clay</u>	Public Road Access: <u>State Route 218 (Daybrook Road)</u>
Quadrangle: <u>Blacksville</u>	Generally used farm name: <u>Campbell</u>
Watershed: <u>Dunkard Creek</u>	

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

<p>*Please check the box that applies</p> <p><input type="checkbox"/> SURFACE OWNER</p> <p><input checked="" 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 align="center">FOR EXECUTION BY A NATURAL PERSON</p> <p>Signature: <u>W. J. Solomon</u> <u>Linda Solomon</u> Print Name: <u>W. J. Solomon & Linda Solomon</u> Date: <u>08-11-15</u></p> <p align="center">FOR EXECUTION BY A CORPORATION, ETC.</p> <p>Company: _____ By: _____ Its: _____ Signature: _____ Date: _____</p>
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Office of Oil & Gas

SEP 08 2015

10/30/2015

WW-6AW
(1-12)

API NO. 47- _____
OPERATOR WELL NO. Campbell 4H
Well Pad Name: Campbell

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

State: West Virginia UTM NAD 83 Easting: 569981.2
County: Monongalia Northing: 4394744.8
District: Clay Public Road Access: State Route 218 (Daybrook Road)
Quadrangle: Blacksville Generally used farm name: Campbell
Watershed: Dunkard Creek

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.

*Please check the box that applies

- SURFACE OWNER
- SURFACE OWNER (Road and/or Other Disturbance)
- SURFACE OWNER (Impoundments/Pits)
- COAL OWNER OR LESSEE
- COAL OPERATOR
- WATER PURVEYOR
- OPERATOR OF ANY NATURAL GAS STORAGE FIELD

FOR EXECUTION BY A NATURAL PERSON

Signature: Gary E. Simpson
Print Name: GARY E SIMPSON
Date: _____

FOR EXECUTION BY A CORPORATION, ETC.

Company: _____
By: _____
Its: _____
Signature: _____
Date: _____

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.

Office of Oil and Gas
SEP 08 2015

WW-6AW
(1-12)

API NO. 47- _____
OPERATOR WELL NO. Campbell 4H
Well Pad Name: Campbell

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

State: <u>West Virginia</u>	UTM NAD 83 Easting: <u>569981.2</u>
County: <u>Monongalia</u>	UTM NAD 83 Northing: <u>4394744.8</u>
District: <u>Clay</u>	Public Road Access: <u>State Route 218 (Daybrook Road)</u>
Quadrangle: <u>Blacksville</u>	Generally used farm name: <u>Campbell</u>
Watershed: <u>Dunkard Creek</u>	

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

<p>*Please check the box that applies</p> <p><input type="checkbox"/> SURFACE OWNER</p> <p><input checked="" 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>FOR EXECUTION BY A NATURAL PERSON</p> <p>Signature: <u>David A. Simpson</u></p> <p>Print Name: <u>DAVID A. SIMPSON</u></p> <p>Date: <u>8-20-2015</u></p> <p>FOR EXECUTION BY A CORPORATION, ETC.</p> <p>Company: _____</p> <p>By: _____</p> <p>Its: _____</p> <p>Signature: _____</p> <p>Date: _____</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.

Office of Oil and Gas

SEP 08 2015

10/30/2015



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

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

Earl Ray Tomblin
 Governor

Paul A. Mattox, Jr., P. E.
 Secretary of Transportation/
 Commissioner of Highways

April 24, 2014

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

Subject: DOH Permit for the Campbell Pad, Monongalia County
 Campbell 4H

Dear Dr. Martin,

Northeast Natural Energy LLC has applied from permits #04-2014-0505 & 04-2014-0507 to access the State Road for a well site located off of West Virginia Route 218.

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

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

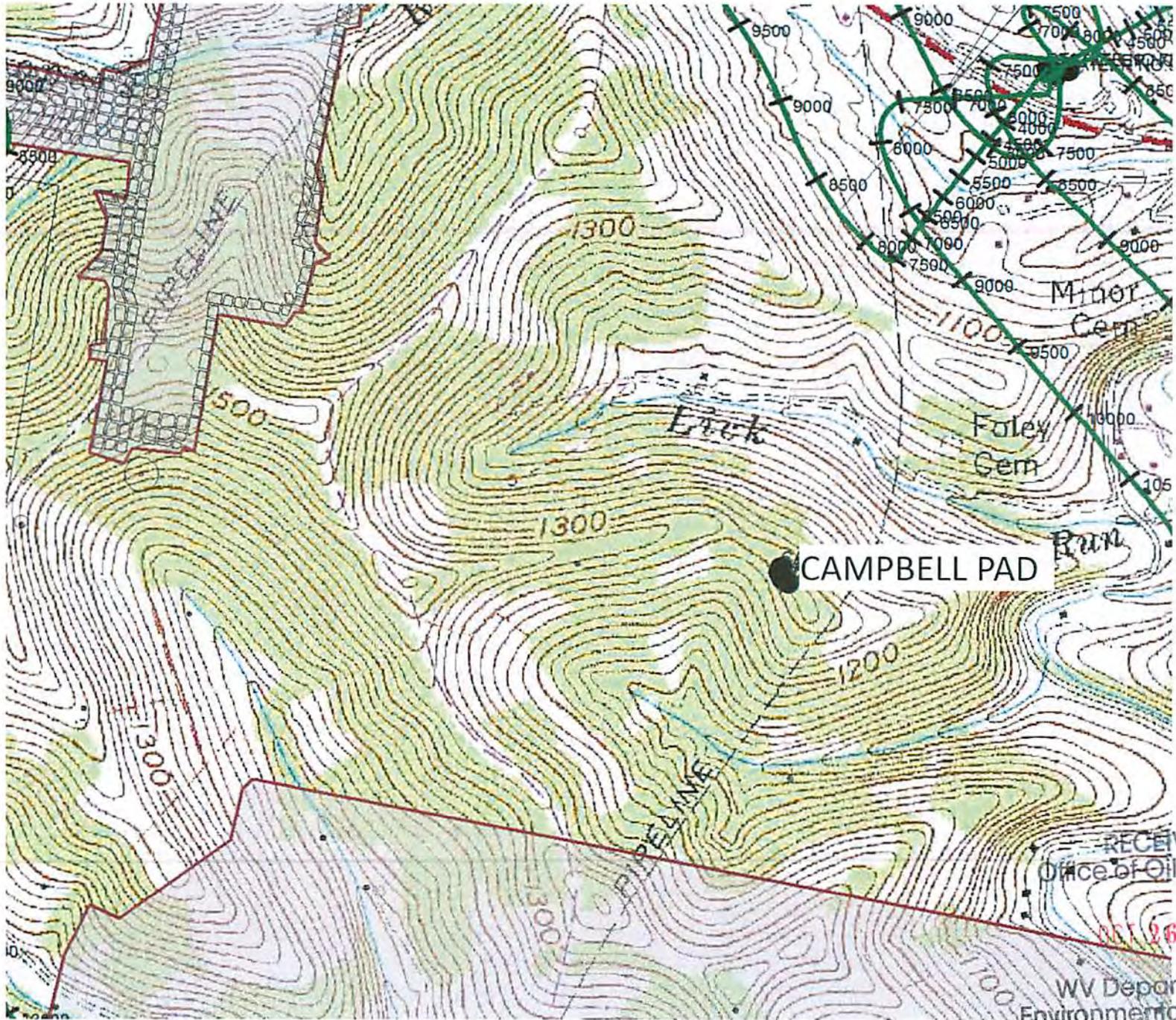
Received
 Office of Oil & Gas
 SEP 08 2015

Planned Additives to be used in Fracturing Stimulations

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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NOV 26 2015

WV Department of
Environmental Protection

4706101726

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#1404402841)

OWNER



northeast
NATURAL ENERGY

NORTHEAST NATURAL ENERGY, LLC
707 VIRGINIA STREET SUITE 3200
CHARLESTON, WV 25301

API#6101677
API#6101678

CAMPBELL WELL PAD CLAY DISTRICT, MONONGALIA COUNTY, WV JULY 2014

APPROVED
WVDEP OOG
7/24/2014

PLANS PREPARED BY:

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



Andrew Benchek 7-16-14

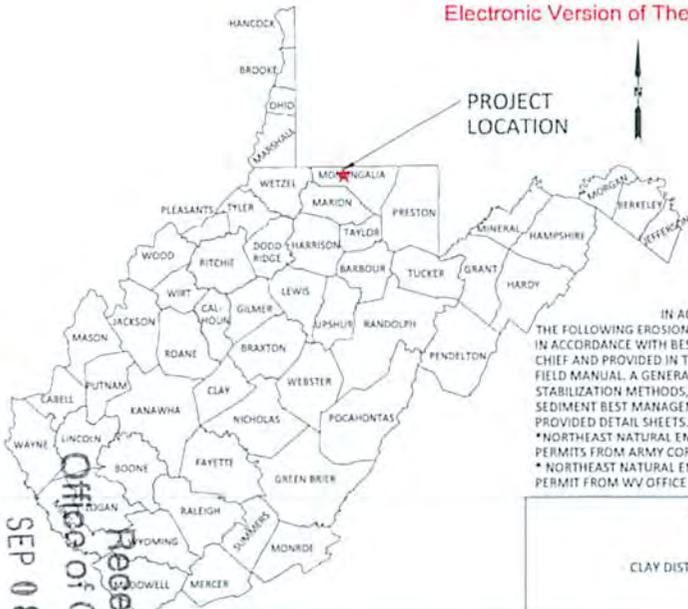
ANDREW BENCHEK
P.E.

SHEET INDEX

- TITLE SHEET
- EVACUATION ROUTE/PREVAILING WIND
- E&S CONTROL LAYOUT OVERVIEW
- 5-15. E&S CONTROL LAYOUT
- E&S CONTROL AND SITE PLAN OVERVIEW
- 17-27. E&S CONTROL AND SITE PLAN
- WELL PAD CROSS-SECTIONS
- COASTAL ACCESS ROAD PROFILE
- COASTAL ACCESS ROAD AND CAMPBELL ACCESS ROAD PROFILES
- CAMPBELL ACCESS ROAD PROFILE
- 32-37. COASTAL ACCESS ROAD CROSS-SECTIONS
- 38-43. CAMPBELL ACCESS ROAD CROSS-SECTIONS
- 44-46. DETAIL SHEET
- JERSEY BARRIER INSTALLATION PLAN
- CROSS-SECTIONS C-C', D-D' & E-E'
- RECLAMATION PLAN OVERVIEW
- 50-60. RECLAMATION PLAN

TOTAL DISTURBED AREA: 72.1 AC.
ROAD DISTURBED AREA: 59.4 AC.
WELL PAD DISTURBED AREA: 12.7 AC.

Electronic Version of These Plans May Be Viewed at: [QOIL GASISAY FILES\REVIEWS](#)



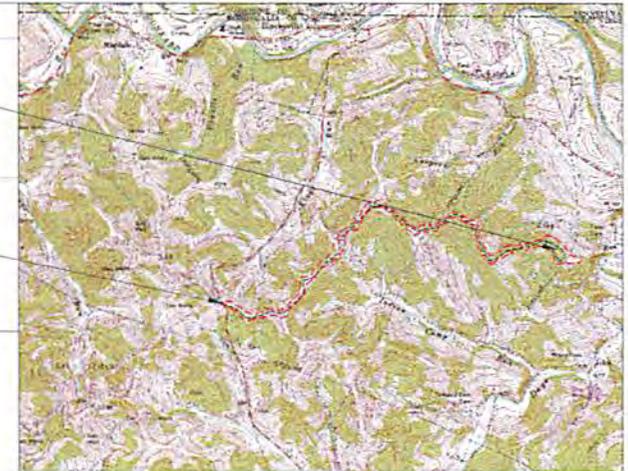
IN ACCORDANCE WITH WV 35 CSR 8 THE FOLLOWING EROSION & SEDIMENT CONTROL PLAN HAS BEEN DESIGNED IN ACCORDANCE WITH BEST MANAGEMENT PRACTICES ESTABLISHED BY THE CHIEF AND PROVIDED IN THE OFFICE'S EROSION AND SEDIMENT CONTROL FIELD MANUAL. A GENERAL CONSTRUCTION SEQUENCE, DESCRIPTION OF STABILIZATION METHODS,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

- *NORTHEAST NATURAL ENERGY, LLC TO OBTAIN NWP-39 AND NWP-14 PERMITS FROM ARMY CORPS OF ENGINEERS AS NECESSARY.
- *NORTHEAST NATURAL ENERGY, LLC TO OBTAIN STREAM ENCROACHMENT PERMIT FROM WV OFFICE OF LAND AND STREAMS AS NECESSARY.

COORDINATES

CENTER OF WELLS
(NAD 83)
LAT: 39° 41' 59.6"
LONG: 80° 11' 01.7"
(NAD 27)
LAT: 39° 41' 59.0"
LONG: 80° 11' 02.2"

SITE ENTRANCE
(NAD 83)
LAT: 39° 41' 42.7"
LONG: 80° 13' 22.7"
(NAD 27)
LAT: 39° 41' 41.9"
LONG: 80° 13' 23.1"



1"=2000'



TITLE SHEET
CAMPBELL WELL PAD
CLAY DISTRICT, MONONGALIA COUNTY, WV

SHEET
1
OF
60

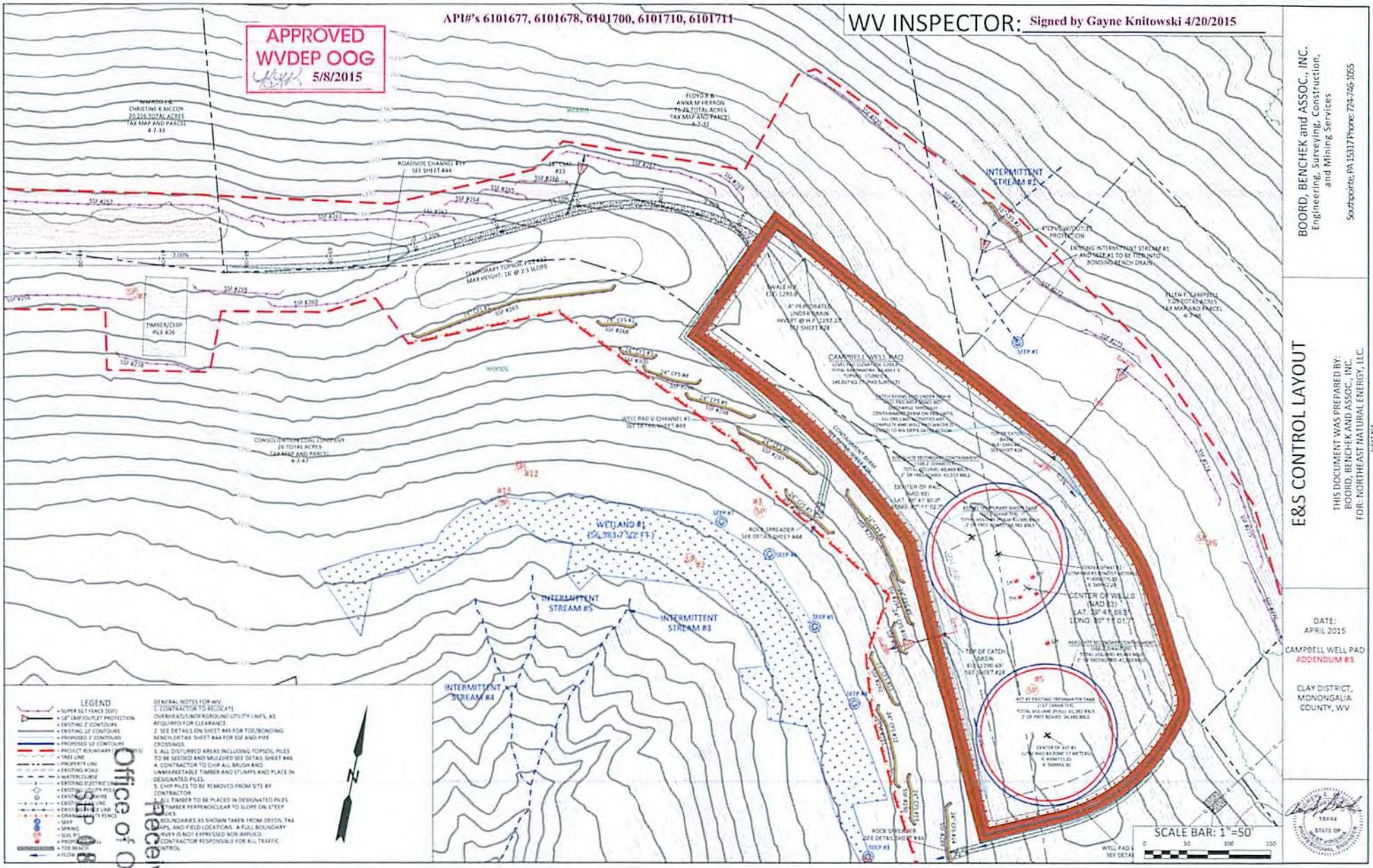
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4706101726

API #'s 6101677, 6101678, 6101700, 6101710, 6101711

WV INSPECTOR: Signed by Gayne Knitowski 4/20/2015

APPROVED
WVDEP OOG
5/8/2015



LEGEND

- 18" SUPPLY FENCE (SFP)
- 18" EMP/OUTLET PROTECTION
- EXISTING 2" CONTOUR
- PROPOSED 2" CONTOUR
- PROPOSED 36" CONTOUR
- PROJECT BOUNDARY
- TREE LINE
- PROPERTY LINE
- EXISTING ROAD
- WATERCOURSE
- EXISTING ELECTRICITY
- EXISTING UTILITY POLE
- EXISTING UTILITY
- EXISTING FENCE
- DRIVEWAY FENCE
- WELL
- SPRING
- SUN PIT
- PROPOSED FENCE
- TOE BANK
- FIELD

GENERAL NOTES FOR WV:

- CONTRACTOR TO RELOCATE OVERHEAD AND/OR GROUND UTILITY LINES, AS REQUIRED FOR CLEARANCE.
- SEE DETAILS ON SHEET #44 FOR TOS/BONDING RICHM DETA SHEET #44 FOR SJA AND PFF CROSSINGS.
- ALL DISTURBED AREAS INCLUDING TOPSOIL PILES TO BE SEEDED AND MULCHED SEE DETAIL SHEET #44.
- CONTRACTOR TO CHIP ALL BRUSH AND UNMARKETABLE TIMBER AND STUMPS AND PLACE IN DESIGNATED PILES.
- CHIP PILES TO BE REMOVED FROM SITE BY CONTRACTOR.
- ALL TIMBER TO BE PLACED IN DESIGNATED PILES.
- CONTRACTOR TO PERPENDICULAR TO SLOPE ON STEEP SLOPES.
- BOUNDARIES AS SHOWN TAKEN FROM DEEDS, TAX MAPS, AND FIELD LOCATIONS. A FULL BOUNDARY SURVEY IS NOT EXPRESSED NOR IMPLIED.
- CONTRACTOR RESPONSIBLE FOR ALL TRAFFIC CONTROL.

Office of Oil & Gas
Received
SEP 08 2015

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

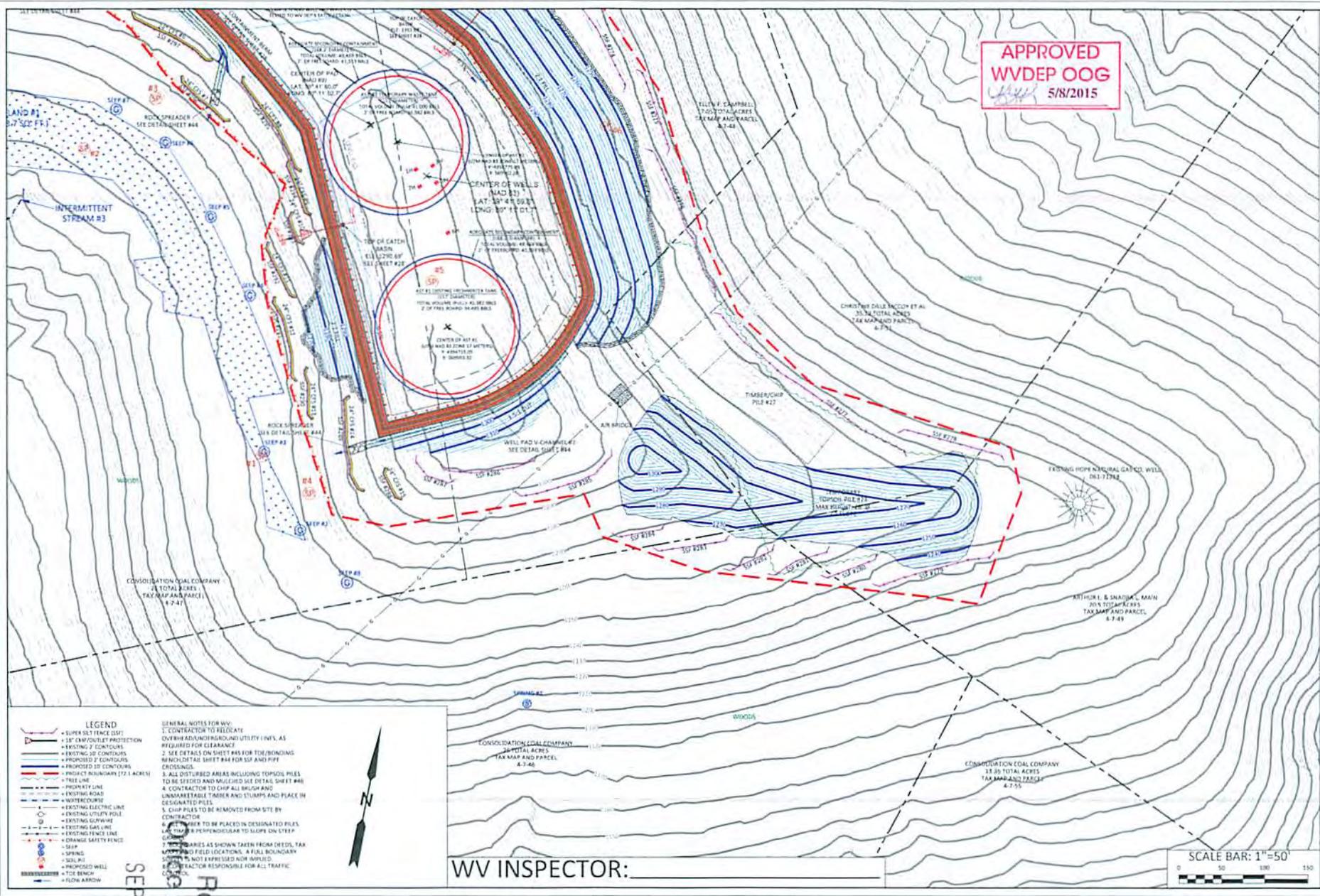
E&S CONTROL LAYOUT
THIS DOCUMENT WAS PREPARED BY:
BOORD, BENCHEK AND ASSOC., INC.
FOR: NORTHEAST NATURAL ENERGY, LLC.

DATE:
APRIL 2015
CAMPBELL WELL PAD
ADDENDUM #3

CLAY DISTRICT,
MONONGALIA
COUNTY, WV

Electronic version of these plans may be viewed at: Q:\OIL GASSAY FILES\REVIEWS\NORTHEAST NATURAL ENERGY\CAMPBELL WELL PAD\Modification 2

4706101726



APPROVED
WVDEP OOG
5/8/2015

BOORD, BENCHEK and ASSOC., INC.
Engineering, Surveying, Construction,
and Mining Services
Southpoints, PA 15317 Phone: 724-746-3025

E&S CONTROL AND SITE PLAN

THIS DOCUMENT WAS PREPARED BY:
BOORD, BENCHEK AND ASSOC., INC.
FOR: NORTHEAST NATURAL ENERGY, L.L.C.

DATE:
APRIL 2015
CAMPBELL WELL PAD
ADDENDUM #3

CLAY DISTRICT,
MONONGALIA
COUNTY, WV

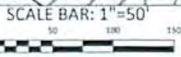


- LEGEND**
- SUPER DUTY FENCE (SDF)
 - 18" CONDUIT PROTECTION
 - EXISTING 2" CONTOURS
 - EXISTING 30" CONTOURS
 - PROPOSED 2" CONTOURS
 - PROPOSED 30" CONTOURS
 - PROJECT BOUNDARY (2.1 ACRES)
 - TREE LINE
 - PROPERTY LINE
 - EXISTING ROAD
 - WATERCOURSE
 - EXISTING ELECTRIC LINE
 - EXISTING UTILITY POLE
 - EXISTING UTILITY POLE
 - EXISTING GAS LINE
 - EXISTING FENCE LINE
 - ORANGE SAFETY FENCE
 - SPRING
 - WELL #1
 - PROPOSED WELL
 - TOE BENCH
 - FLOW ARROW

GENERAL NOTES FOR WV:

1. CONTRACTOR TO RELOCATE OVERHEAD AND GROUND UTILITY LINES, AS REQUIRED FOR CLEARANCE
2. SEE DETAILS ON SHEET #45 FOR THE BOUNDING NON-CENTRAL SHEET #44 FOR SDF AND PIPE ENCLOSURES
3. ALL DISTURBED AREAS INCLUDING TOPSOIL PILES TO BE SEEDED AND MULCHED SEE DETAIL SHEET #46
4. CONTRACTOR TO CHIP ALL BRUSH AND UNSAVENABLE TIMBER AND STUMPS AND PLACE IN DESIGNATED PILES
5. CHIP PILES TO BE REMOVED FROM SITE BY CONTRACTOR
6. ALL CHIPS TO BE PLACED IN DESIGNATED PILES
7. ALL PILES TO BE PERPENDICULAR TO SUPER DUTY FENCE
8. DIMENSIONS AS SHOWN TAKEN FROM ODDS, TAX MAP AND FIELD LOCATIONS. A FULL BOUNDARY SURVEY IS NOT EXPRESSED NOR IMPLIED
9. CONTRACTOR RESPONSIBLE FOR ALL TRAFFIC CONTROL

WV INSPECTOR: _____



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