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west virginia department of environmental protection

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

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

Monday, August 29, 2016  
WELL WORK PERMIT  
Horizontal 6A / Horizontal 6A Well - 1

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

Re: Permit approval for FISHER 8H  
47-061-01754-00-00

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

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

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

  
James A. Martin  
Chief

Operator's Well Number: FISHER 8H  
Farm Name: FISHER, AARON K.  
U.S. WELL NUMBER: 47-061-01754-00-00  
Horizontal 6A / Horizontal 6A Well - 1  
Date Issued:

Promoting a healthy environment.

12/29/2016

# PERMIT CONDITIONS

4706101754

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

## CONDITIONS

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

12/29/2016

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: Fisher 6H Well Pad Name: Fisher

3) Farm Name/Surface Owner: Aaron K. Fisher Public Road Access: State Route 218 (Daybrook Road)

4) Elevation, current ground: 1480' Elevation, proposed post-construction: 1453.04'

5) Well Type (a) Gas  Oil \_\_\_\_\_ Underground Storage \_\_\_\_\_

Other \_\_\_\_\_

(b) If Gas Shallow  Deep \_\_\_\_\_

Horizontal  \_\_\_\_\_

6) Existing Pad: Yes or No No

MDK 5/23/2016

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):  
Marcellus, 8,276.50' , 103' , 3,600 psi

8) Proposed Total Vertical Depth: 8,276.50'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 17,023.62'

11) Proposed Horizontal Leg Length: 8,173'

12) Approximate Fresh Water Strata Depths: 50' , 1,373'

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

14) Approximate Saltwater Depths: 1,969' , 2,619'

15) Approximate Coal Seam Depths: 819' , 1,371'

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: ERP Feral Mining Complex, LLC

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18)

**CASING AND TUBING PROGRAM**

<b>TYPE</b>	<b>Size (in)</b>	<b>New or Used</b>	<b>Grade</b>	<b>Weight per ft. (lb/ft)</b>	<b>FOOTAGE: For Drilling (ft)</b>	<b>INTERVALS: Left in Well (ft)</b>	<b>CEMENT: Fill-up (Cu. Ft.)/CTS</b>
Conductor	24"	New	NA	94.71	40'	40'	GTS
Fresh Water	13-3/8"	New	J-55	54.5	1,451'	1,428'	CTS
Coal							
Intermediate	9-5/8"	New	J-55	40	2,680'	2,650'	CTS
Production	5-1/2"	New	P-110	20	17,023.62'	16,993.62'	3,949 Cu. Ft.
Tubing	2-7/8"	New	N-80	6.5	NA	8,500'	NA
Liners							

*MDK 5/23/2016*

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

**PACKERS**

Kind:				
Sizes:				
Depths Set:				

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

Drilling and completion of a horizontal Marcellus well. The well will be drilled on air to an approximate depth of 6,369.50' TVD/MD. The well will then be horizontally drilled on synthetic based mud from the KOP to approximately 8,276.50' TVD / 17,023.62' 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): 26.9

22) Area to be disturbed for well pad only, less access road (acres): 9.7

23) Describe centralizer placement for each casing string:

Surface and intermediate casing strings will have bow spring centralizers placed every third joint (~120') from the shoe joint to surface. Production casing will have rigid body centralizers placed at a minimum of every fourth joint (~160') from TD to surface.

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

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

25) Proposed borehole conditioning procedures:

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

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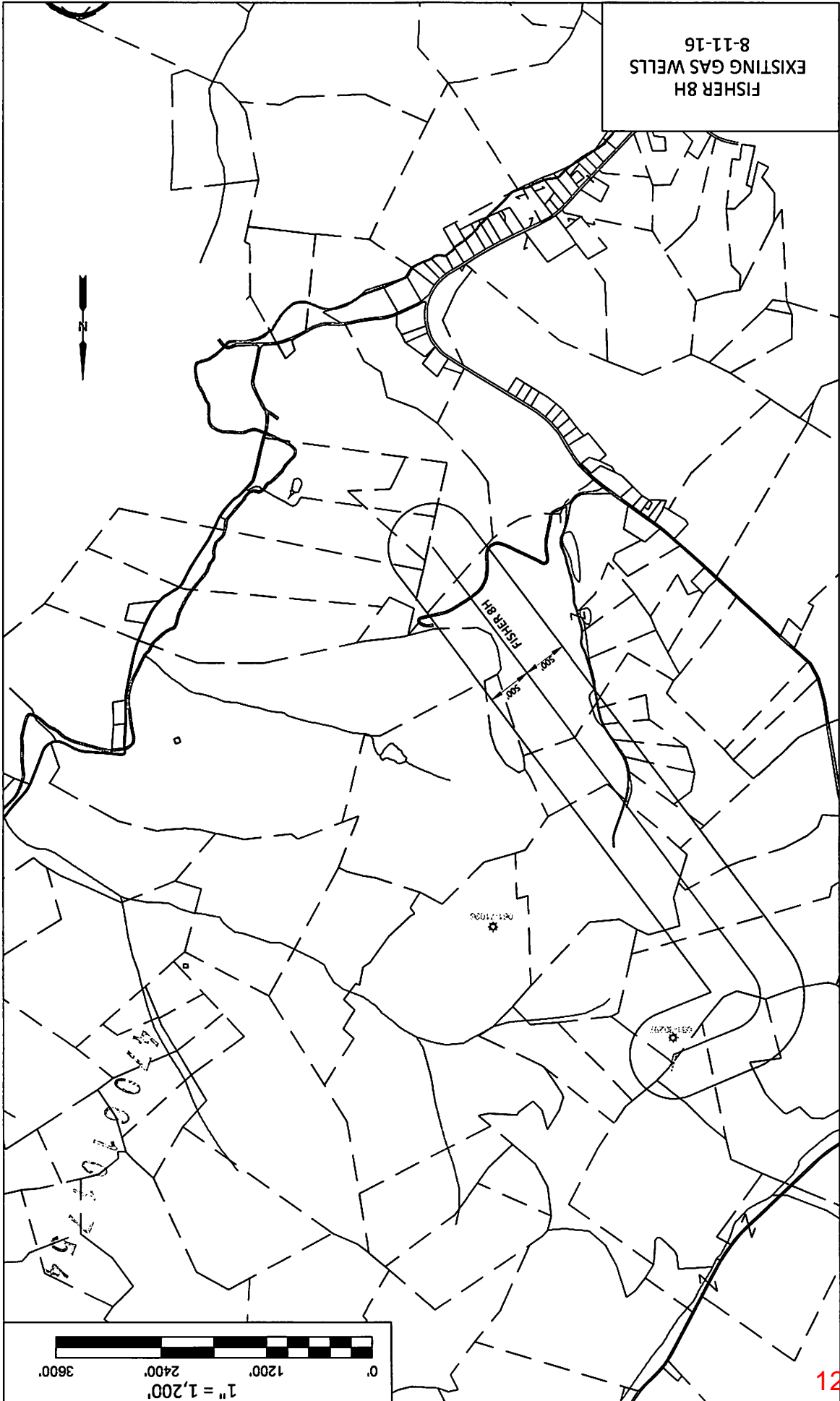
\*Note: Attach additional sheets as needed.

Fisher 8H - Area of Review

API Number	Well Name	Well Number	Operator	Latitude (NAD 27)	Longitude (NAD 27)	TMP	TVD	Producing Formation
47-061-302970000	R W SINE/LOU KENT SINE	1	HOPE NATURAL GAS COMPANY	39.69540	-80.21990	8-7-8	unknown	Pre 1929 No Records

47061017

FISHER 8H  
EXISTING GAS WELLS  
8-11-16



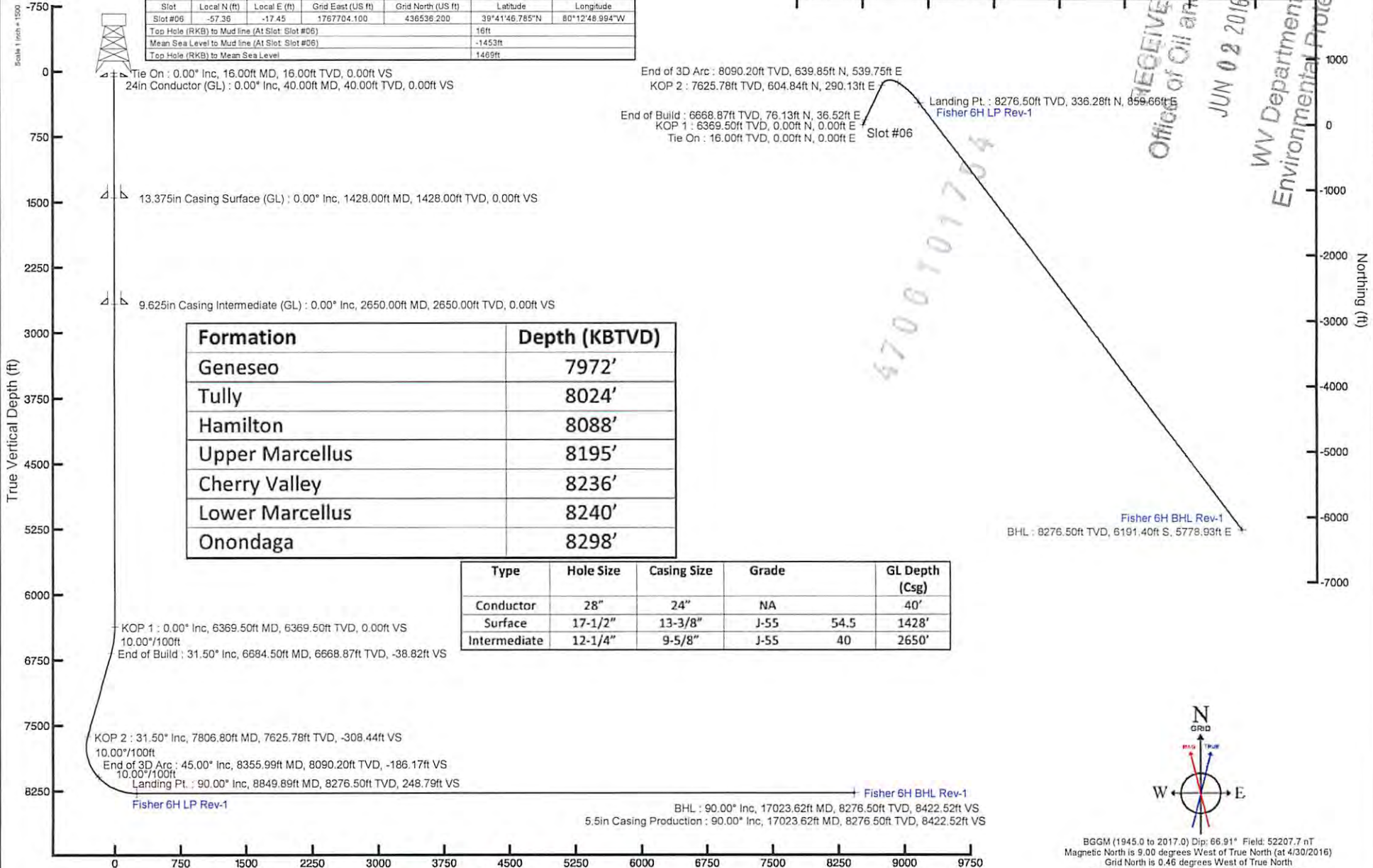
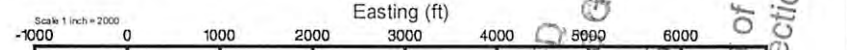
12/29/2016

# NORTHEAST NATURAL ENERGY, LLC

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

Slot: Slot #06  
 Well: Fisher 6H  
 Wellbore: Fisher 6H PWB

Location Information					
Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	
Fisher Pad	1767721.550	436593.560	39°41'47.353"N	80°12'48.776"W	
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Longitude
Slot #06	-57.36	-17.45	1767704.100	436536.200	80°12'48.994"W
Top Hole (RKB) to Mud line (At Slot Slot #06)			16ft		
Mean Sea Level to Mud line (At Slot Slot #06)			-1453ft		
Top Hole (RKB) to Mean Sea Level			1469ft		



Formation	Depth (KBTVD)
Geneseo	7972'
Tully	8024'
Hamilton	8088'
Upper Marcellus	8195'
Cherry Valley	8236'
Lower Marcellus	8240'
Onondaga	8298'

Type	Hole Size	Casing Size	Grade	GL Depth (Csg)
Conductor	28"	24"	NA	40'
Surface	17-1/2"	13-3/8"	J-55	54.5
Intermediate	12-1/4"	9-5/8"	J-55	40

Tie On : 0.00° Inc, 16.00ft MD, 16.00ft TVD, 0.00ft VS  
 24in Conductor (GL) : 0.00° Inc, 40.00ft MD, 40.00ft TVD, 0.00ft VS

13.375in Casing Surface (GL) : 0.00° Inc, 1428.00ft MD, 1428.00ft TVD, 0.00ft VS

9.625in Casing Intermediate (GL) : 0.00° Inc, 2650.00ft MD, 2650.00ft TVD, 0.00ft VS

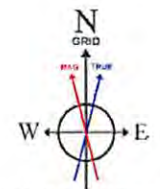
KOP 1 : 0.00° Inc, 6369.50ft MD, 6369.50ft TVD, 0.00ft VS  
 10.00°/100ft  
 End of Build : 31.50° Inc, 6684.50ft MD, 6668.87ft TVD, -38.82ft VS

KOP 2 : 31.50° Inc, 7806.80ft MD, 7625.78ft TVD, -308.44ft VS  
 10.00°/100ft  
 End of 3D Arc : 45.00° Inc, 8355.99ft MD, 8090.20ft TVD, -186.17ft VS  
 10.00°/100ft  
 Landing Pt. : 90.00° Inc, 8849.89ft MD, 8276.50ft TVD, 248.79ft VS

Fisher 6H LP Rev-1

Fisher 6H BHL Rev-1  
 BHL : 90.00° Inc, 17023.62ft MD, 8276.50ft TVD, 8422.52ft VS  
 5.5in Casing Production : 90.00° Inc, 17023.62ft MD, 8276.50ft TVD, 8422.52ft VS

Fisher 6H BHL Rev-1  
 BHL : 8276.50ft TVD, 6191.40ft S, 5778.93ft E



BGGM (1945.0 to 2017.0) Dip: 66.91° Field: 52207.7 nT  
 Magnetic North is 9.00 degrees West of True North (at 4/30/2016)  
 Grid North is 0.46 degrees West of True North  
 To correct azimuth from True to Grid add 0.46 degrees  
 To correct azimuth from Magnetic to Grid subtract 8.54 degrees

Azimuth 143.00° with reference 0.00 N, 0.00 E



WW-9  
(4/16)

API Number 47 - \_\_\_\_\_ - \_\_\_\_\_  
Operator's Well No. Fisher 8H

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: N/A

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

Proposed Disposal Method For Treated Pit Wastes:

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

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

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. 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) \_\_\_\_\_

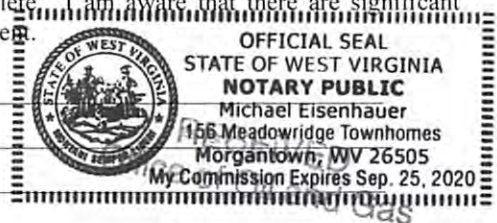
-Landfill or offsite name/permit number? Please See Attachment "A"

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



Subscribed and sworn before me this 23 day of May, 2016  
Michael Eisenhauer / Michael Eisenhauer

JUN 02 2016  
WV Department of Environmental Protection  
Notary Public

My commission expires September 25, 2020

12/29/2016

**Northeast Natural Energy LLC**

Proposed Revegetation Treatment: Acres Disturbed 26.9 Prevegetation pH 5-7

Lime 2 Tons/acre or to correct to pH 7

Fertilizer type 19-19-19

Fertilizer amount 300 lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

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

Attach:

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

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: [Signature]

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

4706701754

Title: Inspection

Date: 5/23/2016

Field Reviewed?  Yes  No

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## Attachment A to WW-9

Northeast Natural Energy LLC (“NNE”) plans to utilize a closed loop process for its drilling of the Fisher 8H 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.

Fisher 8H Drill Cuttings will be taken to disposal at one or more of the following disposal/approved waste facilities, unless listed facilities are no longer approved to accept waste at time of disposal:

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

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

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

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# northeast

NATURAL ENERGY

## Fisher 6H

### SITE SAFETY PLAN

May 12, 2016

*MJK*  
*5/23/2016* 4706101754

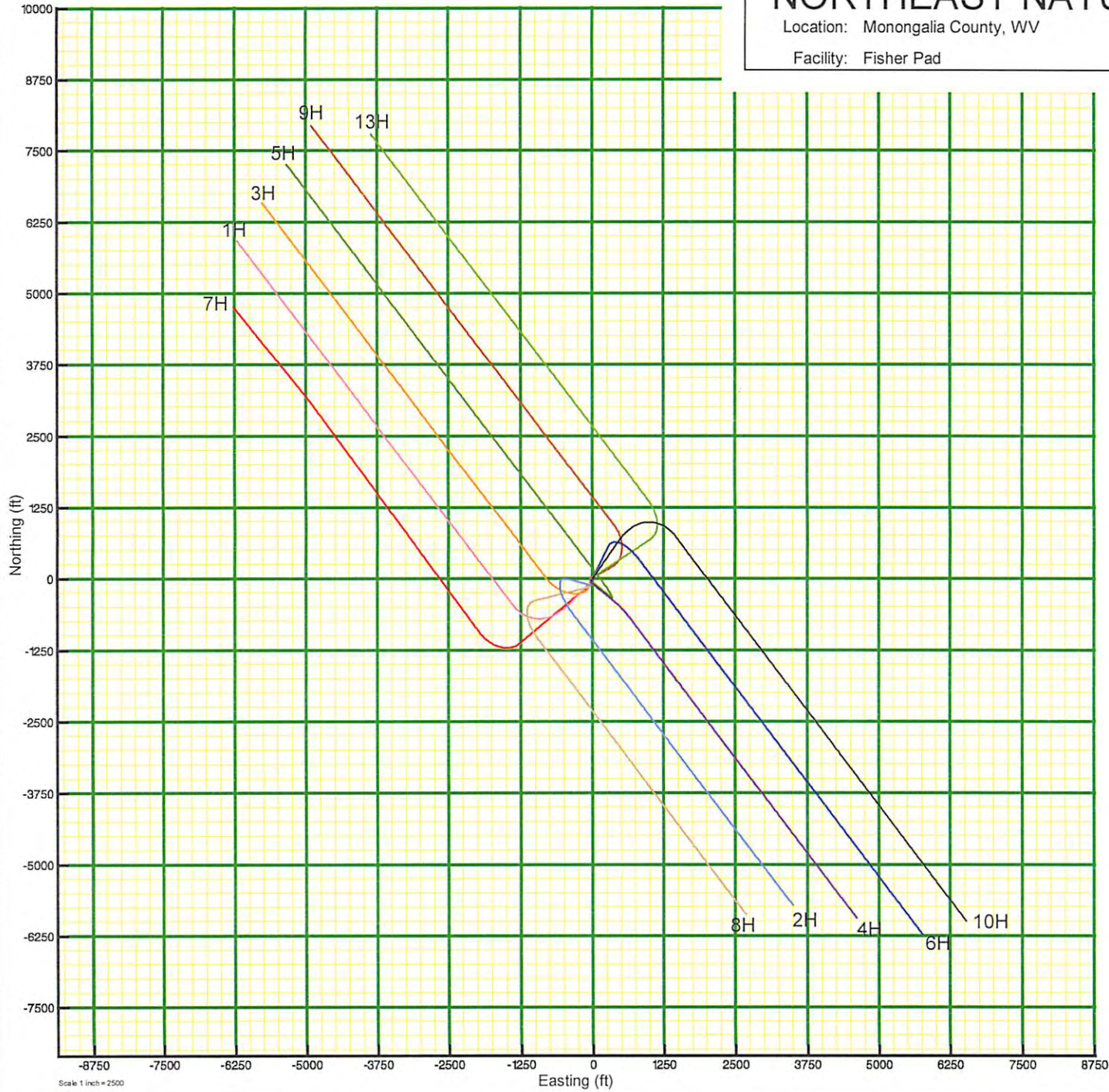
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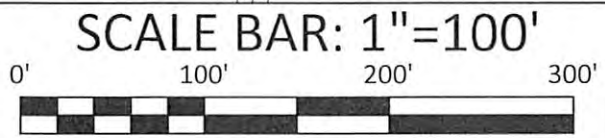
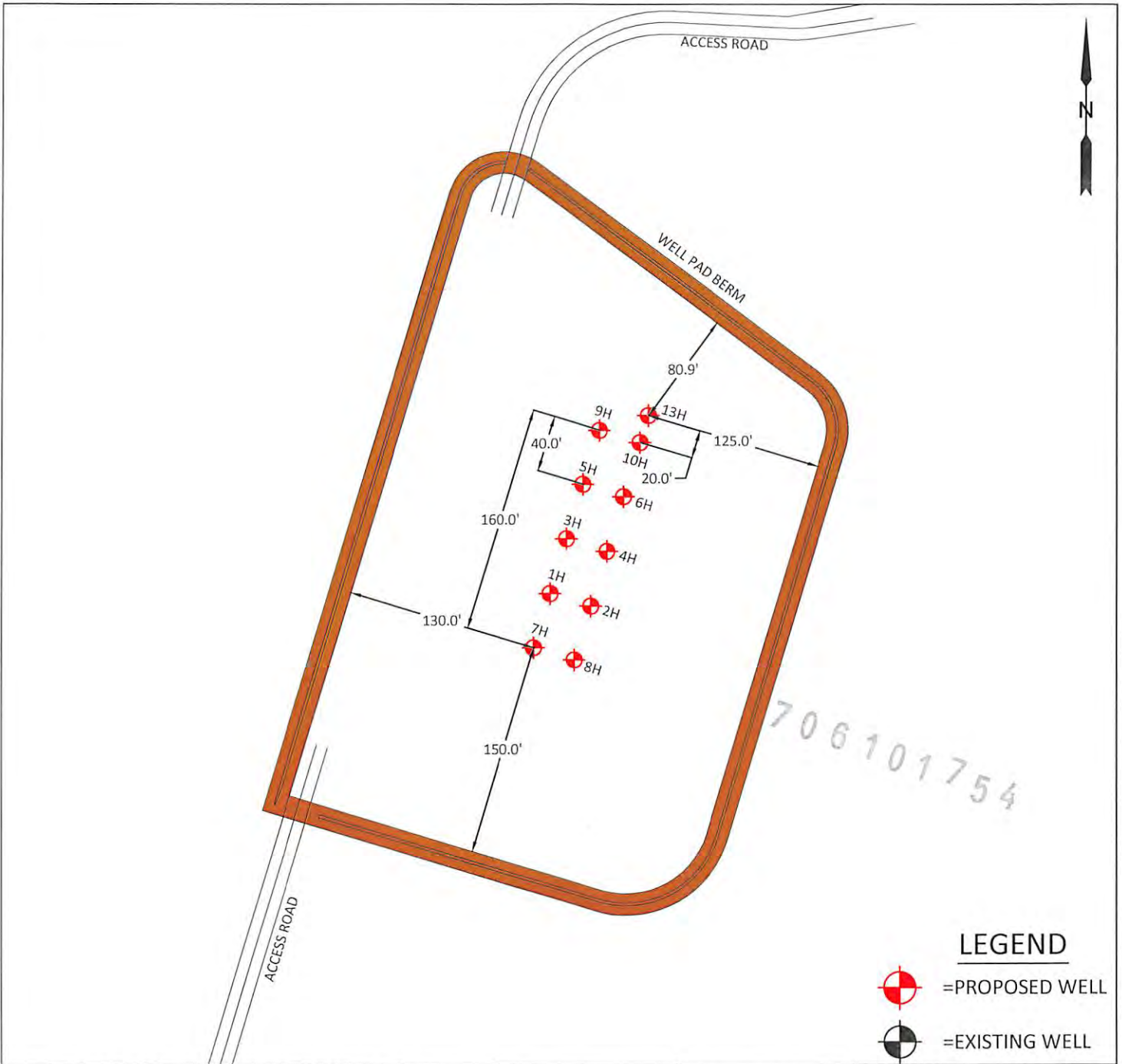
Location: Monongalia County, WV

Facility: Fisher Pad



4706101754

Scale 1 inch = 2500



PREPARED FOR  
**NORTHEAST NATURAL ENERGY LLC**  
 FISHER WELL PAD  
 CLAY DISTRICT, MONONGALIA COUNTY, WV

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

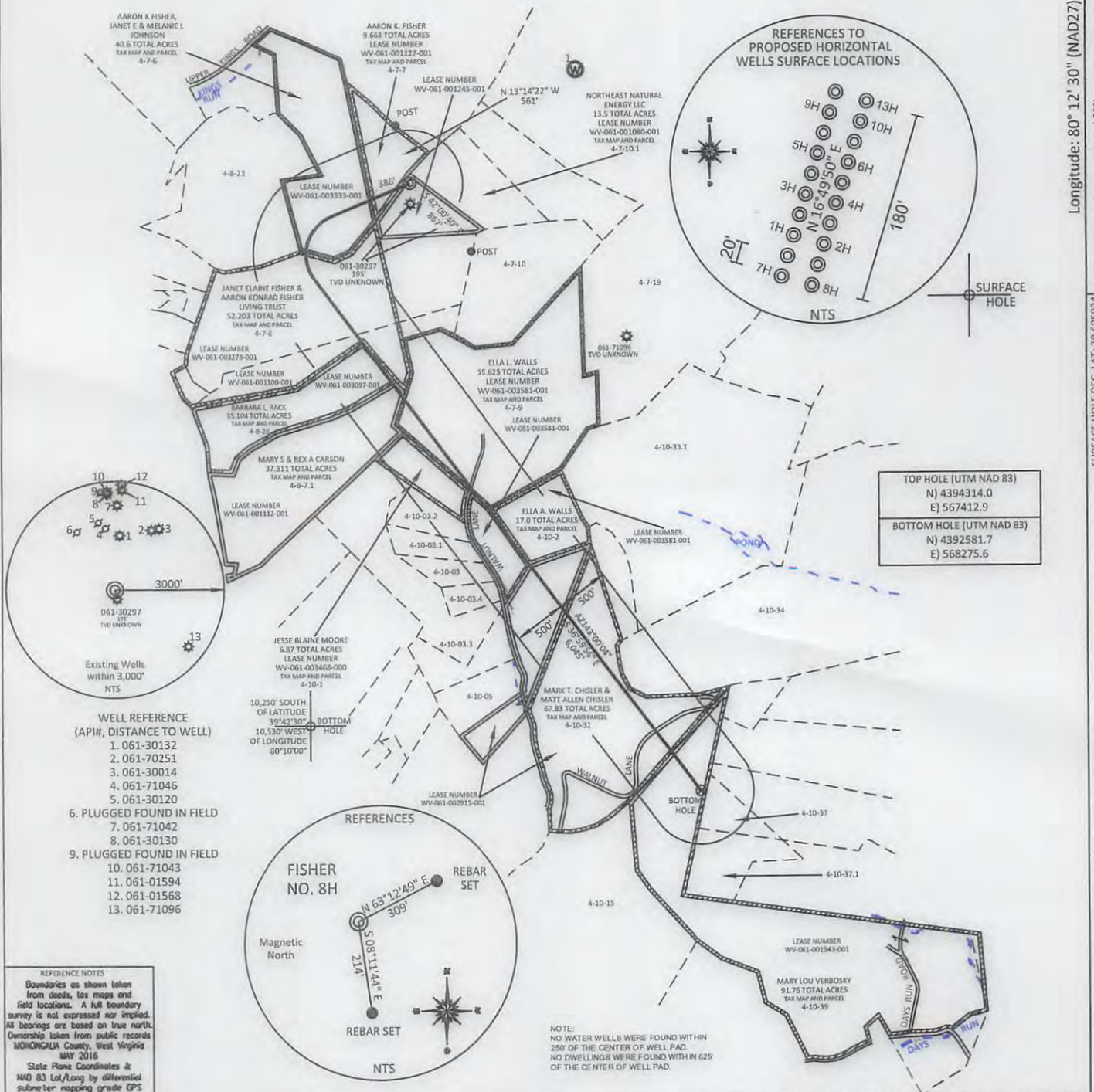
Well Number	API Number	Status
Fisher 1H	47-061-01733	Permitted
Fisher 2H	Permit Applied	Proposed
Fisher 3H	47-061-01734	Permitted
Fisher 4H	Permit Applied	Proposed
Fisher 5H	47-061-01735	Permitted
Fisher 6H	Permit Applied	Proposed
Fisher 7H	47-061-01736	Permitted
Fisher 8H	Permit Applied	Proposed
Fisher 9H	47-061-01737	Permitted
Fisher 10H	47-061-01738	Permitted
Fisher 13H	47-061-01739	Permitted

12/29/2016

SURFACE HOLE DEC. LONG: 80.213935  
SURVEYED LONG: 80° 12' 50.2"

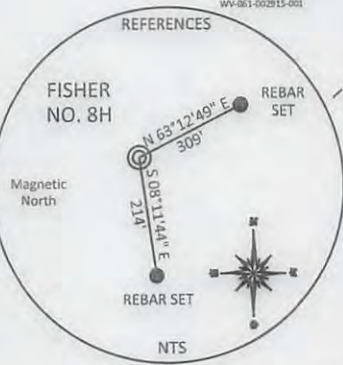
Latitude: 39° 42' 30" (NAD27)

Longitude: 80° 12' 30" (NAD27)



TOP HOLE (UTM NAD 83)
N) 4394314.0
E) 567412.9
BOTTOM HOLE (UTM NAD 83)
N) 4392581.7
E) 568275.6

- WELL REFERENCE (API#, DISTANCE TO WELL)
- 0.61-30132
  - 0.61-70251
  - 0.61-30014
  - 0.61-71046
  - 0.61-30120
6. PLUGGED FOUND IN FIELD
- 0.61-71042
  - 0.61-30130
  - 0.61-71043
  - 0.61-01594
  - 0.61-01568
  - 0.61-71096



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 MAY 2016  
State Plane Coordinates & NAD 83 Lat/Long by differential submeter mapping grade GPS Drafted by E.A.H.

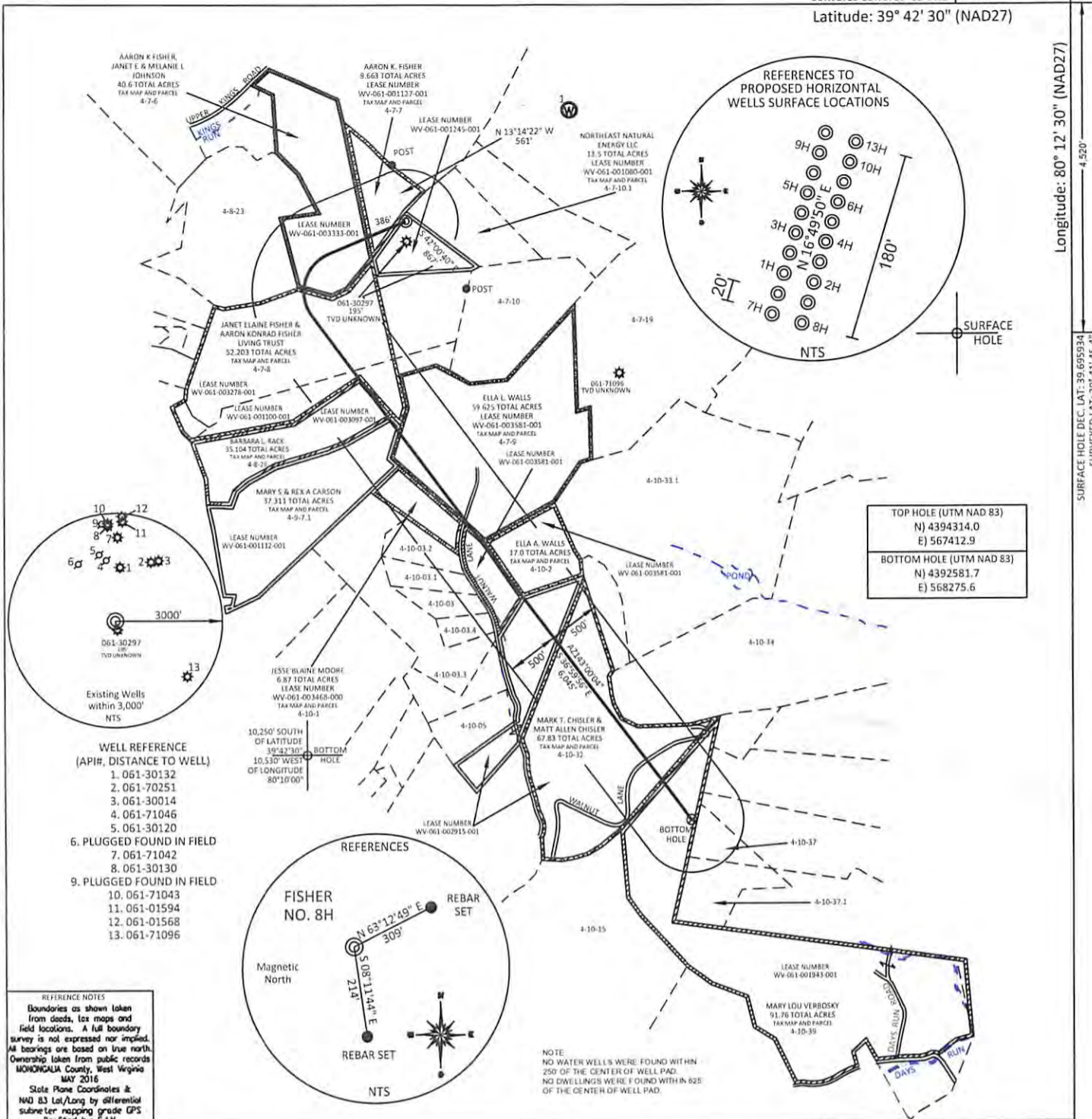
NOTE:  
NO WATER WELLS WERE FOUND WITHIN 250' OF THE CENTER OF WELL PAD.  
NO DWELLINGS WERE FOUND WITHIN 625' OF THE CENTER OF WELL PAD.

FILE #: NNE14  
DRAWING #: 2383  
SCALE: PLAT: 1" = 1400'  
TICK: 1" = 2000'  
MINIMUM DEGREE OF ACCURACY: 1/200  
PROVEN SOURCE OF ELEVATION: SUBMETER MAPPING GRADE GPS

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



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP  
OFFICE OF OIL & GAS  
601 57TH STREET  
CHARLESTON, WV 25304  
Well Type:  Oil  Waste Diposal  Production  Deep  
 Gas  Liquid Injection  Storage  Shallow  
WATERSHED: DUNKARD CREEK  
COUNTY/DISTRICT: MONONGALIA / CLAY  
SURFACE OWNER: AARON K. FISHER  
OIL & GAS ROYALTY OWNER: HENRY P. AMES, III, ET AL  
LEASE NUMBERS: \_\_\_\_\_  
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  
WELL OPERATOR: NORTHEAST NATURAL ENERGY LLC  
ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200  
CITY: CHARLESTON STATE: WV ZIP CODE: 25301  
DATE: AUGUST 25, 2016  
OPERATOR'S WELL #: FISHER NO. 8H  
API WELL #: 47 61 01754 H6A  
STATE COUNTY PERMIT  
PROPOSED ELEVATION: 1,453.04'  
CURRENT ELEVATION: 1,480'  
QUADRANGLE: BLACKSVILLE  
ACREAGE: 9.663 +/-  
ACREAGE: 431.466 +/- 12/29/2016  
ESTIMATED DEPTH: TVD: 8,276.50' TMD: 15,092.97'  
DESIGNATED AGENT: JOHN ADAMS  
ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200  
CITY: CHARLESTON STATE: WV ZIP CODE: 25301



TOP HOLE (UTM NAD 83)
N) 4394314.0
E) 567412.9
BOTTOM HOLE (UTM NAD 83)
N) 4392581.7
E) 568275.6

FILE #: NNE14  
 DRAWING #: 2383  
 SCALE: PLAT: 1" = 1400'  
TICK: 1" = 2000'  
 MINIMUM DEGREE OF ACCURACY: 1/200  
 PROVEN SOURCE OF ELEVATION: SUBMETER MAPPING GRADE GPS

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

Signed: [Signature]  
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 601 57TH STREET  
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Well Type:  Oil  Waste Diposal  Production  Deep  
 Gas  Liquid Injection  Storage  Shallow

WATERSHED: DUNKARD CREEK  
 COUNTY/DISTRICT: MONONGALIA / CLAY  
 SURFACE OWNER: AARON K. FISHER  
 OIL & GAS ROYALTY OWNER: HENRY P. AMES, III, ET AL  
 LEASE NUMBERS: \_\_\_\_\_

DATE: AUGUST 25, 2016  
 OPERATOR'S WELL #: FISHER NO. 8H  
 API WELL #: 47 61  
 STATE COUNTY PERMIT

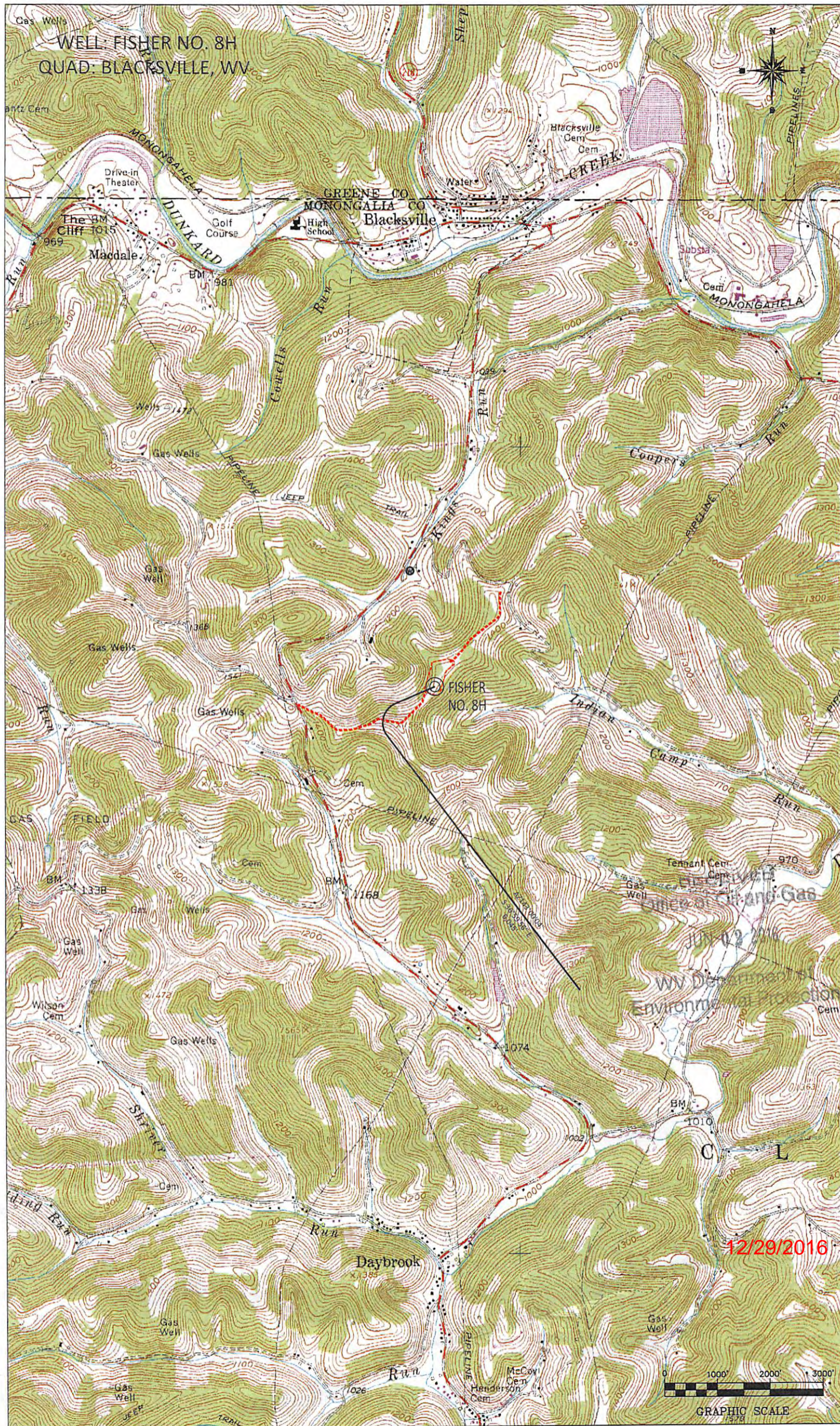
PROPOSED ELEVATION: 1,453.04'  
 CURRENT ELEVATION: 1,480'  
 QUADRANGLE: BLACKSVILLE  
 ACREAGE: 9.663 +/-  
 ACREAGE: 431.466 +/- 12/29/2016

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: 8,276.50' TMD: 15,092.97'  
 WELL OPERATOR: NORTHEAST NATURAL ENERGY LLC  
 ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200  
 CITY: CHARLESTON STATE: WV ZIP CODE: 25301



WELL: FISHER NO. 8H  
QUAD: BLACKSVILLE, WV



**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

4706101754

**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

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Environmental Protection

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

Well Operator: Northeast Natural Energy LLC  
 By: Hollie M. Medley *HollieMMedley*  
 Its: Regulatory Coordinator

4706 1154

Operator's Well No. Fisher 8H

NNE Lease No.	Lessor Name	Lessee Name	Royalty	Book/Page
WV-061-003333-001	PORTER, KENT MICHAEL	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1503/694
WV-061-003334-001	PORTER, KENT MICHAEL	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1503/694
WV-061-003524-001	O'DAY OIL LLC	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1523/780
WV-061-003524-002	BURT BARANKOVICH FAMILY MINERAL INTERESTS LLC	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1529/835
WV-061-003581-001	BLESSING, TRACY	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1523/151
WV-061-003581-002	FERRELL, CARLA	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	524/441
WV-061-003581-003	WALLS, LINDA R.	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1528/139
WV-061-003581-004	NORBERG, LOIS	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1528/115
WV-061-001127-001	AMES, HENRY P., III	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1359/671
WV-061-002534-001	SHUMAN INC.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1439/366
WV-061-001245-001	AMES, HENRY P. III	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1368/351
WV-061-002715-001	EDDY, LINDA	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/437
WV-061-002715-002	LEMLEY, DENZIL	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/443
WV-061-002715-003	BREWER, RAYMOND	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/729
WV-061-002715-004	SHULTZ, JAMES ROSS	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/502
WV-061-002715-005	MEYERS, DOLORES	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1426/147
WV-061-002715-006	SIGMAN, ARTIE	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1427/363
WV-061-002715-007	BREWER, JAMES EUGENE	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/717
WV-061-002715-008	FOX, JOHN PAUL	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/545
WV-061-002715-009	WILSON, DAVID L.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1426/114
WV-061-002715-010	WILSON, RICHARD N.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1426/111
WV-061-002715-011	LEMLEY, CAROL	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/293
WV-061-002715-012	REXRODE, CHARLOTTE	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/287
WV-061-002715-013	MUTTER, MARY	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/525
WV-061-002715-014	FRANCE, SHIRLEY	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/723
WV-061-002715-015	HEADLEY, DONALD	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1426/135
WV-061-002715-016	STRANGE, BARBARA SUE	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1426/782
WV-061-002715-017	HEADLEY, JAMES	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/699
WV-061-002715-018	JANES, JENNIE	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/687
WV-061-002715-019	PERRY, NAOMI	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1426/141
WV-061-002715-020	HEADLEY, RICHARD	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/693
WV-061-002715-021	GORMAN, OLLIE	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/705
WV-061-002715-022	MERCER, JOSEPH T.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1429/705
WV-061-002715-023	BROKAW, LORUMA B. AND DAVID L.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/705
WV-061-002715-024	JONES, DEBRA F.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/471
WV-061-002715-025	CRABTREE, JANET D.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1427/581
WV-061-002715-026	JONES, JOHN C. AND PAULINE	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1427/575
WV-061-002715-027	JONES, ALBERTA R., ET AL	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1428/406
WV-061-002715-028	JONES, DAVID A.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1426/751
WV-061-002715-029	MALLERNEE, PATRICIA K.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1426/745
WV-061-002715-030	SIMPLICAN, CONNIE J.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/431
WV-061-002715-031	JONES, THOMAS D.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/425
WV-061-002715-032	YOST, LORETTA J.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1427/290
WV-061-002715-033	JONES, TRISHA	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1429/317
WV-061-002715-034	JONES, GARY C.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1426/739
WV-061-002715-035	HALL, MARY BREWER	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/711
WV-061-002715-036	WERNETTE, JEANNE	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1427/700
WV-061-002715-037	JONES, STEVE	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1429/311
WV-061-002715-038	EDDY, ALMEADA J.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1428/726
WV-061-002715-039	GEE, PAULINE	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1429/522
WV-061-002715-040	HANDO, ANNE	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1427/821
WV-061-002715-041	BONFILI, REBECCA	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1427/827
WV-061-002715-042	MERCER, FRED B. AND DORRIS	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1427/833
WV-061-002715-043	MERCER, DAVID	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1427/815
WV-061-002715-044	SUDER, HELEN L. AND MILFORD B.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1429/830
WV-061-002715-045	MERRIFIELD, THORNTON AND ALBERTA	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1428/442
WV-061-002715-046	HATFIELD, SALLY JO AND GERALD W.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1428/171

Office of Oil and Gas  
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 Environmental Protection

12/29/2016

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WV-061-002715-047	HAUGHT, MARK R. AND CYNTHIA	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1438/578
WV-061-002715-048	VUGRINE JONI L. AND JAMES V.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1442/535
WV-061-002715-049	HAUGHT, ANDY LEE AND LISA E.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1445/115
WV-061-002715-050	PHILLIPS, THOMAS L.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1455/403
WV-061-002715-051	PHILLIPS, ANTHONY M.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1468/203
WV-061-002715-052	HATFIELD, SALLY JO AND GERALD W.	NORTHEAST NATURAL ENERGY LLC	DEED	1534/52
WV-061-003549-001	WILSON, DAVID L.	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1525/214
WV-061-003549-002	JOHN PAUL FOX ESTATE	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1524/291
WV-061-003549-003	WILSON, RICHARD N.	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1525/226
WV-061-003549-004	SUDER, HELEN L. AND MILFORD B.	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1525/224
WV-061-003278-001	CHESAPEAKE APPALACHIA, LLC	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1487/248
WV-061-002715-001	EDDY, LINDA	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/437
WV-061-002715-002	LEMLEY, DENZIL	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/443
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WV-061-002715-042	MERCER, FRED B. AND DORRIS	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1427/833
WV-061-002715-043	MERCER, DAVID	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1427/815
WV-061-002715-044	SUDER, HELEN L. AND MILFORD B.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1429/830
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WV-061-002715-047	HAUGHT, MARK R. AND CYNTHIA	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1438/578
WV-061-002715-048	VUGRINE JONI L. AND JAMES V.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1442/535
WV-061-002715-049	HAUGHT, ANDY LEE AND LISA E.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1445/115
WV-061-002715-050	PHILLIPS, THOMAS L.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1455/403

Office of Environmental Protection  
 WV Department of Environmental Protection  
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WV-061-003549-002	JOHN PAUL FOX ESTATE	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1524/291
WV-061-003549-003	WILSON, RICHARD N.	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1525/226
WV-061-003549-004	SUDER, HELEN L. AND MILFORD B.	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1525/224
WV-061-003581-001	BLESSING, TRACY	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1523/151
WV-061-003581-002	FERRELL, CARLA	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	524/441
WV-061-003581-003	WALLS, LINDA R.	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1528/139
WV-061-003581-004	NORBERG, LOIS	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1528/115
WV-061-001100-001	CUTRONE, RUTH ANN HAUGHT AND SAMUEL	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1379/140
WV-061-001100-002	MERCER, RICHARD A. AND FRANCES D.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1370/116
WV-061-001100-003	GORMAN, OLLIE	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1369/674
WV-061-001100-004	MERCER, FRED	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1369/677
WV-061-001100-005	MERCER, VERNON D.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1369/680
WV-061-001100-006	MERCER, NOLAN C.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1369/683
WV-061-001100-007	JONES, DELMA J.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1369/648
WV-061-001100-008	MERCER, ASA W., JR.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1370/511
WV-061-001100-009	KONOSKI, MIKE	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1370/514
WV-061-001100-010	SCHIPONO, MARY E.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1370/517
WV-061-001100-011	MAXWELL, SHERRY E.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1376/113
WV-061-001100-012	MCCOY, LOIS J.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1404/235
WV-061-001112-001	MERCER, ROBERT AND LILA	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1374/511
WV-061-001112-002	JANES, ROBERT AND JENNIE	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1374/502
WV-061-001112-003	HEADLEY, JIMMIE F. AND ELIZABETH	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1374/517
WV-061-001112-004	PERRY, JACK AND NAOMI	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1374/508
WV-061-001112-005	MERCER, ALBERT AND ALFRETTE	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1374/505
WV-061-001112-006	HEADLEY, DONALD R. AND GLENDORA M.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1374/514
WV-061-002715-001	EDDY, LINDA	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/437
WV-061-002715-002	LEMLEY, DENZIL	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/443
WV-061-002715-003	BREWER, RAYMOND	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/729
WV-061-002715-004	SHULTZ, JAMES ROSS	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/502
WV-061-002715-005	MEYERS, DOLORES	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1426/147
WV-061-002715-006	SIGMAN, ARTIE	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1427/363
WV-061-002715-007	BREWER, JAMES EUGENE	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/717
WV-061-002715-008	FOX, JOHN PAUL	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/545
WV-061-002715-009	WILSON, DAVID L.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1426/114
WV-061-002715-010	WILSON, RICHARD N.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1426/111
WV-061-002715-011	LEMLEY, CAROL	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/293
WV-061-002715-012	REXRODE, CHARLOTTE	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/287
WV-061-002715-013	MUTTER, MARY	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/525
WV-061-002715-014	FRANCE, SHIRLEY	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/723
WV-061-002715-015	HEADLEY, DONALD	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1426/135
WV-061-002715-016	STRANGE, BARBARA SUE	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1426/782
WV-061-002715-017	HEADLEY, JAMES	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/699
WV-061-002715-018	JANES, JENNIE	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/687
WV-061-002715-019	PERRY, NAOMI	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1426/141
WV-061-002715-020	HEADLEY, RICHARD	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/693
WV-061-002715-021	GORMAN, OLLIE	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/705
WV-061-002715-022	MERCER, JOSEPH T.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1429/705
WV-061-002715-023	BROKAW, LORUMA B. AND DAVID L.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/705
WV-061-002715-024	JONES, DEBRA F.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/471
WV-061-002715-025	CRABTREE, JANET D.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/288
WV-061-002715-026	JONES, JOHN C. AND PAULINE	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1427/575
WV-061-002715-027	JONES, ALBERTA R., ET AL	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1428/406
WV-061-002715-028	JONES, DAVID A.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1426/751
WV-061-002715-029	MALLERNEE, PATRICIA K.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1426/745
WV-061-002715-030	SIMPLICAN, CONNIE J.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/431
WV-061-002715-031	JONES, THOMAS D.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/431
WV-061-002715-032	YOST, LORETTA J.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1427/200
WV-061-002715-033	JONES, TRISHA	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1429/317

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WV-061-002715-034	JONES, GARY C.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1426/739
WV-061-002715-035	HALL, MARY BREWER	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/711
WV-061-002715-036	WERNETTE, JEANNE	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1427/700
WV-061-002715-037	JONES, STEVE	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1429/311
WV-061-002715-038	EDDY, ALMEADA J.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1428/726
WV-061-002715-039	GEE, PAULINE	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/519
WV-061-002715-040	HANDO, ANNE	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1427/821
WV-061-002715-041	BONFILI, REBECCA	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1427/827
WV-061-002715-042	MERCER, FRED B. AND DORRIS	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1427/833
WV-061-002715-043	MERCER, DAVID	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1427/815
WV-061-002715-044	SUDER, HELEN L. AND MILFORD B.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1429/830
WV-061-002715-045	MERRIFIELD, THORNTON AND ALBERTA	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1428/442
WV-061-002715-046	HATFIELD, SALLY JO AND GERALD W.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1428/171
WV-061-002715-047	HAUGHT, MARK R. AND CYNTHIA	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1438/578
WV-061-002715-048	VUGRINE JONI L. AND JAMES V.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1442/535
WV-061-002715-049	HAUGHT, ANDY LEE AND LISA E.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1445/115
WV-061-002715-050	PHILLIPS, THOMAS L.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1455/403
WV-061-002715-051	PHILLIPS, ANTHONY M.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1468/203
WV-061-002715-052	HATFIELD, SALLY JO AND GERALD W.	NORTHEAST NATURAL ENERGY LLC	DEED	1534/52
WV-061-002800-001	WARTON, JOSEPH THOMAS	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1434/228
WV-061-002800-002	LEMLEY, KYLE AND PAULA	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1431/436
WV-061-002800-003	CALVERT, CHARLES W.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1431/800
WV-061-003097-001	RACK, BARBARA LOUISE	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1434/117
WV-061-001112-001	CUTRONE, RUTH ANN HAUGHT AND SAMUEL	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1379/140
WV-061-001112-002	MERCER, RICHARD A. AND FRANCES D.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1370/116
WV-061-001112-003	GORMAN, OLLIE	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1369/674
WV-061-001112-004	MERCER, FRED	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1369/677
WV-061-001112-005	MERCER, VERNON D.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1369/680
WV-061-001112-006	MERCER, NOLAN C.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1369/683
WV-061-001268-001	JONES, DELMA J. MERCER	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1369/686
WV-061-001268-002	MERCER, NOLAN C.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1369/689
WV-061-001268-003	MERCER, VERNON D.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1369/651
WV-061-001268-004	MERCER, FRED	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1369/692
WV-061-001268-005	MERCER, RICHARD A. AND FRANCES D.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1369/695
WV-061-001268-006	GORMAN, OLLIE	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1369/698
WV-061-001268-007	MERCER, ASA W., JR.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1370/520
WV-061-001268-008	SCHIPONO, MARY E.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1307/523
WV-061-001268-010	MAXWELL, SHERRY E.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1377/220
WV-061-001268-011	MCCOY, LOIS J.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1404/238
WV-061-001268-012	KONOSKI, MIKE	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1370/547
WV-061-002715-001	EDDY, LINDA	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/437
WV-061-002715-002	LEMLEY, DENZIL	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/443
WV-061-002715-003	BREWER, RAYMOND	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/729
WV-061-002715-004	SHULTZ, JAMES ROSS	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/502
WV-061-002715-005	MEYERS, DOLORES	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1426/147
WV-061-002715-006	SIGMAN, ARTIE	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1427/363
WV-061-002715-007	BREWER, JAMES EUGENE	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/717
WV-061-002715-008	FOX, JOHN PAUL	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/545
WV-061-002715-009	WILSON, DAVID L.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1426/114
WV-061-002715-010	WILSON, RICHARD N.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/711
WV-061-002715-011	LEMLEY, CAROL	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/293
WV-061-002715-012	REXRODE, CHARLOTTE	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/287
WV-061-002715-013	MUTTER, MARY	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/725
WV-061-002715-014	FRANCE, SHIRLEY	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/728
WV-061-002715-015	HEADLEY, DONALD	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/135
WV-061-002715-016	STRANGE, BARBARA SUE	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/682
WV-061-002715-017	HEADLEY, JAMES	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/699
WV-061-002715-018	JANES, JENNIE	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/687
WV-061-002715-019	PERRY, NAOMI	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1426/141
WV-061-002715-020	HEADLEY, RICHARD	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/693
WV-061-002715-021	GORMAN, OLLIE	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/705

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WV-061-002715-022	MERCER, JOSEPH T.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1429/705
WV-061-002715-023	BROKAW, LORUMA B. AND DAVID L.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/705
WV-061-002715-024	JONES, DEBRA F.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/471
WV-061-002715-025	CRABTREE, JANET D.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1427/581
WV-061-002715-026	JONES, JOHN C. AND PAULINE	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1427/575
WV-061-002715-027	JONES, ALBERTA R., ET AL	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1428/406
WV-061-002715-028	JONES, DAVID A.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1426/751
WV-061-002715-029	MALLERNEE, PATRICIA K.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1426/745
WV-061-002715-030	SIMPLICAN, CONNIE J.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/431
WV-061-002715-031	JONES, THOMAS D.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/425
WV-061-002715-032	YOST, LORETTA J.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1427/200
WV-061-002715-033	JONES, TRISHA	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1429/317
WV-061-002715-034	JONES, GARY C.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1426/739
WV-061-002715-035	HALL, MARY BREWER	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/711
WV-061-002715-036	WERNETTE, JEANNE	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1427/700
WV-061-002715-037	JONES, STEVE	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1429/311
WV-061-002715-038	EDDY, ALMEADA J.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1428/726
WV-061-002715-039	GEE, PAULINE	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1425/519
WV-061-002715-040	HANDO, ANNE	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1427/821
WV-061-002715-041	BONFILI, REBECCA	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1427/827
WV-061-002715-042	MERCER, FRED B. AND DORRIS	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1427/833
WV-061-002715-043	MERCER, DAVID	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1427/815
WV-061-002715-044	SUDER, HELEN L. AND MILFORD B.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1429/830
WV-061-002715-045	MERRIFIELD, THORNTON AND ALBERTA	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1428/442
WV-061-002715-046	HATFIELD, SALLY JO AND GERALD W.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1428/171
WV-061-002715-047	HAUGHT, MARK R. AND CYNTHIA	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1438/578
WV-061-002715-048	VUGRINE JONI L. AND JAMES V.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1442/535
WV-061-002715-049	HAUGHT, ANDY LEE AND LISA E.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1445/115
WV-061-002715-050	PHILLIPS, THOMAS L.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1455/403
WV-061-002715-051	PHILLIPS, ANTHONY M.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1468/203
WV-061-002715-052	HATFIELD, SALLY JO AND GERALD W.	NORTHEAST NATURAL ENERGY LLC	DEED	1534/52
WV-061-002800-001	WARTON, JOSEPH THOMAS	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1434/228
WV-061-002800-002	LEMLEY, KYLE AND PAULA	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1431/436
WV-061-002800-003	CALVERT, CHARLES W.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1431/800
WV-061-003549-001	WILSON, DAVID L.	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1525/214
WV-061-003549-002	JOHN PAUL FOX ESTATE	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1524/291
WV-061-003549-003	WILSON, RICHARD N.	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1525/226
WV-061-003549-004	SUDER, HELEN L. AND MILFORD B.	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1525/224
WV-061-003468-000	MOORE, JESSE BRENT	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1518/3
WV-061-003468-001	TENNANT, GARY MELVIN AND CHARLOTTE K.	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1535/95
WV-061-003468-002	WISE, JEANIE P.	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1538/141
WV-061-003468-003	TENNANT, FRANK LEE AND SHIRLEY RAY	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1535/89
WV-061-003468-004	VARNER, RONALD J.	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1535/657
WV-061-003468-005	VARNER, WEBSTER MERLE AND DONNA JO	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1535/124
WV-061-003468-006	MOORE, DEBRA JEAN	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1535/639
WV-061-003468-007	VARNER, RICHARD V. AND MICHELE KIRK	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1535/649
WV-061-003468-008	TEMPLE, LINDA W. AND RONALD E.	NORTHEAST NATURAL ENERGY LLC	DEED	1539/43
WV-061-003468-009	WISE, CARL EDWIN	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1536/525
WV-061-003468-011	SPIZNOGLE, JOHN ROBERT AND BARBARA A.	NORTHEAST NATURAL ENERGY LLC	DEED	1539/652
WV-061-003468-012	EICHER, CONNIE L. AND WARREN DALE	NORTHEAST NATURAL ENERGY LLC	DEED	1539/641
WV-061-003468-013	ERHARD, CAROL LEE AND WILLIAM R.	NORTHEAST NATURAL ENERGY LLC	DEED	1544/139
WV-061-003581-001	BLESSING, TRACY	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1523/151
WV-061-003581-002	FERRELL, CARLA	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1523/441
WV-061-003581-003	WALLS, LINDA R.	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1528/139
WV-061-003581-004	NORBERG, LOIS	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1528/115
WV-061-001468-001	FORBES, HAZEL R. THOMAS	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1379/308
WV-061-001468-002	THOMAS, CHARLES L.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1383/497
WV-061-001468-003	THOMAS, JAMES HENRY	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1383/503
WV-061-003581-001	BLESSING, TRACY	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1523/151
WV-061-003581-002	FERRELL, CARLA	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1524/441
WV-061-003581-003	WALLS, LINDA R.	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1528/139

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WV-061-003581-004	NORBERG, LOIS	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1528/115
WV-061-001468-001	FORBES, HAZEL R. THOMAS	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1379/308
WV-061-001468-002	THOMAS, CHARLES L.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1383/497
WV-061-001468-003	THOMAS, JAMES HENRY	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1383/503
WV-061-002915-001	CHISLER, MARK T. AND RITA, ET AL	*WEST AUGUSTA RESOURCES LLC	0.125 OR GREATER	1402/622
WV-061-003211-001	THE CHARLES LEE THOMAS TRUST	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1451/82
WV-061-003247-001	THOMAS, JAMES H.	*CHESAPEAKE APPALACHIA LLC	0.125 OR GREATER	1451/87
WV-061-003247-002	SUMMERS, JANET K. AND MARVIN	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1535/625
WV-061-003247-003	KNISELY, JAMES G.	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1535/623
WV-061-003247-004	BAUER, DELORIS JUNE	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1535/712
WV-061-003247-005	HAWKINS, DONALD L. AND BONNIE K.	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1532/612
WV-061-003247-006	SWIGER, JOSEPH AND ROSE	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1538/544
WV-061-003247-007	SWIGER, JOHN A. AND JULIE	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1538/556
WV-061-003247-008	MILLIRON, ALICE	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1538/567
WV-061-003247-009	MULLENAX, SCOTT AND DONNA JEAN	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1536/624
WV-061-002915-001	CHISLER, MARK T. AND RITA, ET AL	*WEST AUGUSTA RESOURCES LLC	0.125 OR GREATER	1402/622
WV-061-001943-002	WILLARD, CLARENCE AND ANTOINETTE	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1523/712
WV-061-001943-003	CORELY, BONNIE N.	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1529/59
WV-061-001943-004	TENNANT, REX B. II	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1538/548
WV-061-001943-005	TENNANT, SHERRIE L.	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1538/336
WV-061-001943-006	CASPER, JODI M. AND DOUGLAS A.	NORTHEAST NATURAL ENERGY LLC	0.125 OR GREATER	1541/788

\*See Attachment

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WV Department of  
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12/29/2016



Chesapeake Appalachia, LLC.  
And  
Statoil USA Onshore Properties Inc.

Northeast Natural Energy  
Assignment  
BK 120/769

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West Augusta Resources, L.L.C.

Chesapeake Appalachia, L.L.C.

Assignment  
Book 108 / Page 464

Statoil USA Onshore Properties Inc.

Assignment  
Book 112 / Page 199  
Correction - Book 113 / Page 139

Northeast Natural Energy LLC

Assignment  
Book 120 / Page 769

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May 24, 2016

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

RE: Fisher 2H, 4H, 6H and 8H

Dear Permit Reviewer:

Please be advised that Northeast Natural Energy LLC has the right to drill, extract and produce the minerals beneath the road identified as Days Run Road and Walnut Lane 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: 05/31/2016

API No. 47- \_\_\_\_\_ - \_\_\_\_\_  
Operator's Well No. Fisher 8H  
Well Pad Name: Fisher

**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>567412.9</u>
County:	<u>Monongalia</u>		Northing:	<u>4394314.0</u>
District:	<u>Clay</u>	Public Road Access:	<u>State Route 218 (Daybrook Road)</u>	
Quadrangle:	<u>Blacksville</u>	Generally used farm name:	<u>Fisher</u>	
Watershed:	<u>Dunkard Creek</u>			

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

<p>Pursuant to West Virginia Code § 22-6A, the Operator has attached proof to this Notice Certification that the Operator has properly served the required parties with the following:</p> <p>*PLEASE CHECK ALL THAT APPLY</p> <p><input type="checkbox"/> 1. NOTICE OF SEISMIC ACTIVITY or <input type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED</p> <p><input checked="" type="checkbox"/> 2. NOTICE OF ENTRY FOR PLAT SURVEY or <input type="checkbox"/> NO PLAT SURVEY WAS CONDUCTED</p> <p><input checked="" type="checkbox"/> 3. NOTICE OF INTENT TO DRILL or <input type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or</p> <p style="padding-left: 40px;"><input type="checkbox"/> WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH)</p> <p><input checked="" type="checkbox"/> 4. NOTICE OF PLANNED OPERATION</p> <p><input checked="" type="checkbox"/> 5. PUBLIC NOTICE</p> <p><input checked="" type="checkbox"/> 6. NOTICE OF APPLICATION</p>	<p><b>OOG OFFICE USE ONLY</b></p> <p><input type="checkbox"/> RECEIVED/ NOT REQUIRED</p> <p><input type="checkbox"/> RECEIVED</p> <p><input type="checkbox"/> RECEIVED/ NOT REQUIRED</p> <p><input type="checkbox"/> RECEIVED</p> <p><input type="checkbox"/> RECEIVED</p> <p><input type="checkbox"/> RECEIVED</p>
--	---

**Required Attachments:**

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

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**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.

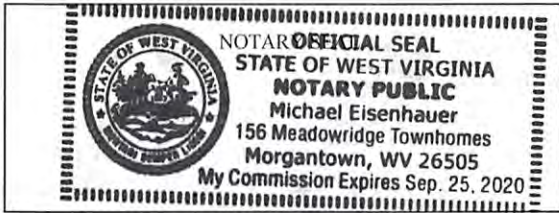
Well Operator:	<u>Northeast Natural Energy LLC</u>	Address:	<u>707 Virginia Street East, Suite 1200</u>
By:	<u>Hollie M. Medley</u>		<u>Charleston, WV 25301</u>
Its:	<u>Regulatory Coordinator</u>	Facsimile:	<u>304.241.5972</u>
Telephone:	<u>304.212.0422</u>	Email:	<u>hmedley@nne-llc.com</u>

*Hollie M. Medley*

Subscribed and sworn before me this 1 day of June, 2016.

Michael Eisenhauer / [Signature] Notary Public

My Commission Expires September 25, 2020



**Oil and Gas Privacy Notice:**

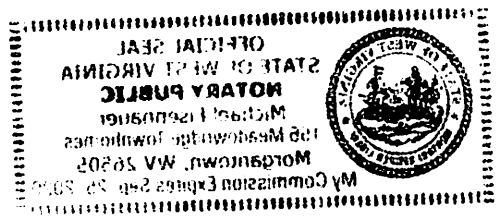
The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory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

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12/29/2016



WW-6A  
(9-13)

API NO. 47- \_\_\_\_\_ - \_\_\_\_\_  
OPERATOR WELL NO. Fisher 8H  
Well Pad Name: Fisher

**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:** 5/17/2016 **Date Permit Application Filed:** 6/1/2016

**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: **6101754**

SURFACE OWNER(s)  
Name: Please See Attachment  
Address: \_\_\_\_\_

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

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

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

SURFACE OWNER(s) (Impoundments or Pits)  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

COAL OWNER OR LESSEE  
Name: Please See Attachment  
Address: \_\_\_\_\_

COAL OPERATOR  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

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

OPERATOR OF ANY NATURAL GAS STORAGE FIELD  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

\*Please attach additional forms if necessary

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**WV Department of  
Environmental Protection  
12/29/2016**

**Notice is hereby given:**

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

**This Notice Shall Include:**

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

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

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

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

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

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**Well Location Restrictions**

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

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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.

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**Written Comment:**

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

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

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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**Time Limits and Methods for Filing Comments.**

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

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

**Comment Requirements**

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

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

**Permit Denial or Condition**

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

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

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

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

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WW-6A  
(8-13)

API NO. 47- \_\_\_\_\_  
OPERATOR WELL NO. Fisher 8H  
Well Pad Name: Fisher

**Notice is hereby given by:**

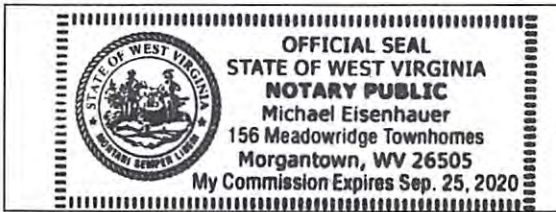
Well Operator: Northeast Natural Energy LLC  
Telephone: 304-212-0422  
Email: hmedley@nne-llc.com

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

**Oil and Gas Privacy Notice:**

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

*Hellin Medley*



Subscribed and sworn before me this 1 day of June, 2016.

Michael Eisenhauer / Michael Eisenhauer Notary Public

My Commission Expires September 25, 2020

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**Surface Owner(s):**

Aaron K. Fisher  
2524 Paxton Street  
Woodbridge, WV 22192

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

Aaron K. Fisher  
2524 Paxton Street  
Woodbridge, WV 22192

Mr. & Mrs. Donnie E. Simpson  
993 Daybrook Road  
Fairview, WV 26570

Mr. Donnie E. Simpson, Attorney in Fact  
For Ms. Edna F. Simpson  
993 Daybrook Road  
Fairview, WV 26570

Richard L. Price  
1047 Daybrook Road  
Fairview, WV 26570

David A. Simpson  
663 Daybrook Road  
Fairview, WV 26570

Gary E. Simpson  
67 McCoy Road  
Fairview, WV 26570

**Coal Owner or Lessee:**

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

ERP Federal Mining Complex, LLC  
1044 Miracle Run Road  
Fairview, WV 26570

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12/29/2016

Henry Peck Ames III ✓  
1985 Clinton Drive  
Marietta, GA 30062

The Trustees for the Janet Elaine Fisher Living Trust ✓  
c/o Aaron K Fisher  
2524 Paxton Street  
Woodbridge, VA 22192

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

~~Mr. Donnie E. Simpson, Attorney in Fact ✓  
For Ms. Edna F. Simpson  
993 Daybrook Road  
Fairview, WV 26570~~

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

Mr. & Mrs. Robert C. Wilson ✓  
P.O. Box 678  
Buckeye Lake, OH 43008

Barbara Louise Rack ✓  
1181 Daybrook Road  
Fairview, WV 26570

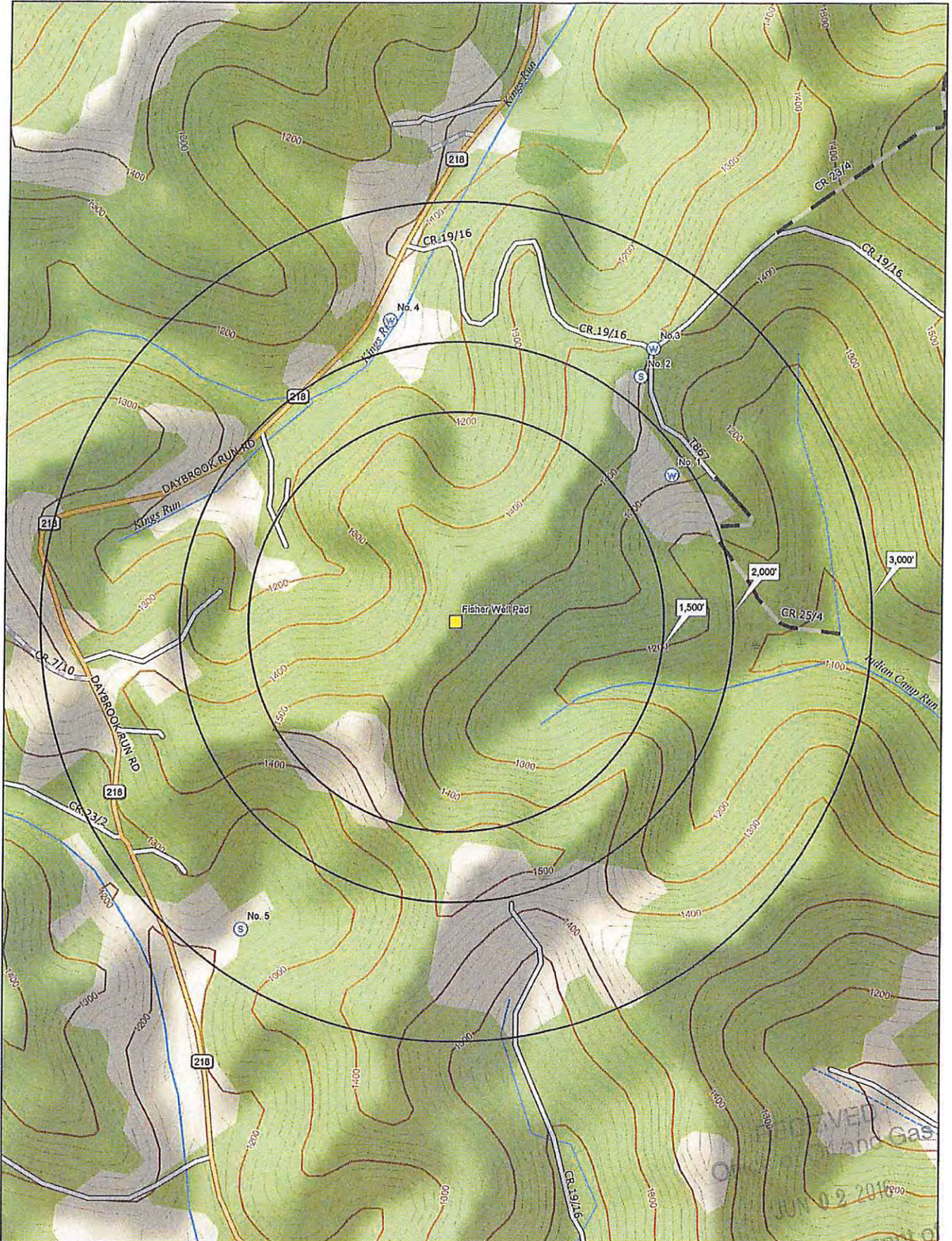
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WV Department of  
Environmental Protection

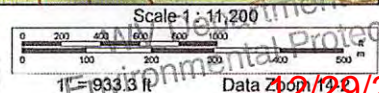
12/29/2016



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

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

**Date of Notice:** 5/20/2014      **Date of Planned Entry:** 5/26/2014

**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>0567453.5, 4394416.2 (UTM)</u>
County: <u>Monongalia</u>	Public Road Access: <u>State Route 218</u>
District: <u>Clay</u>	Watershed: <u>Dunkard Creek</u>
Quadrangle: <u>Blacksville USGS 7.5'</u>	Generally used farm name: <u>Fisher</u>

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

**Notice is hereby given by:**

Well Operator: Northeast Natural Energy LLC  
Telephone: 304.414.7060  
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 of your personal information, please contact DEP's Chief Privacy Officer at [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov).



## Notice of Entry for Plat Survey Spreadsheet

TMP	Surface Owner	Address
7-7, 8	Aaron K. Fisher	2524 Paxton Street, Woodbridge, VA 22192

TMP	Mineral Owner	Address
7-7,8	Henry P. Ames, III	1985 Clinton Drive, Marietta, GA 30062
7-7, 5	Shuman, Inc.	P.O. Box 842, Morgantown, WV 26507-0842
7-8	Linda Eddy	78 Peppermint Lane, Baltimore, MD 21220
7-8	Denzil Lemley	1424 Daybrook Road, Fairview, WV 26570
7-8	Raymond Brewer	P.O. Box 217, Blacksville, WV 26521
7-8	James Ross Shultz	P.O. Box 244, Blacksville, WV 26521
7-8	Dolores Meyers	106 Lisa Circle, York, PA, 17406
7-8	Artie Lemley	100 Main Street, Worthington, WV 26591
7-8	James E. Brewer	510 Aspen Drive, Colorado Springs, CO 80911
7-8	John Paul Fox	5507 Blackbeard Lane, New Bern, NC 28560
7-8	David L. Wilson	2829 North Park, Cleveland Heights, OH 44118-4030
7-8	Richard N. and Mary Ann Wilson	5605 Greenmont Place, Vienna, WV 26105-3291
7-8	Carol F. Lemley	P.O. Box 86, Blacksville, WV 26521
7-8	Charlotte Rexroad	707 Buffalo Brink Road, Mannington, WV 26582
7-8	Mary Mutter	435 Winter Road, New Castle, PA 16101
7-8	Shirley France	1940 South Lincoln #2, Salem, OH 44460
7-8	Donald Headley	75 Pike View Drive, Fairview, WV 26570
7-8	Barbara S. Strange	12 Avalon Court, #7, Mercer, PA 16137-5071
7-8	James Headley	52 Dawson Road, Morgantown, WV 26501
7-8	Jennie Janes	Rt. 1 Box 155A, Fairmont, WV 26554
7-8	Naomi Perry	26 Orchard Street, Westover, WV 26505
7-8	Richard Headley	415 Schaaf Road, Cleveland, OH 44109
7-8	Ollie Gorman	2355 Lynmyra Drive, Fairmont, WV 26554
7-8	Joseph T. Mercer	HC 62 Box 112, Burton, WV 26562
7-8	Loruma B. Brokaw	68319 Morristown Flushing Road, Belmont, OH 43718
7-8	Debra F. Jones	930 Paxford Place, Mansfield, OH 44906
7-8	Janet D. Crabtree	13993 Butternut Road, Burton, OH 44021
7-8	John C. and Pauline Jones	35305 Jones Road, Freeport, OH 43973
7-8	Alberta R. Jones	2732 Miracle Run Road, Fairview, WV 26570
7-8	Billy Wayne Jones	2732 Miracle Run Road, Fairview, WV 26570
7-8	Sherry Maxwell	1234 Rivershore Drive, Fairmont, WV 26554
7-8	David A. Jones	30025 Old Smyrna Road, Freeport, OH 43973
7-8	Patricia K. Mallernee	399 Heritage, Gnadenhutten, OH 44629
7-8	Connie J. Simplican	2403 South Atlantic #501, Daytona Beach, FL 32118
7-8	Thomas D. Jones	403 Burrell Avenue, Freeport, OH 43973
7-8	Loretta J. Yost	106 Babbling Brook, Morgantown, WV 26508
7-8	Trisha Jones	3551 Eichel Road SW, New Philadelphia, OH 44663
7-8	Gary C. Jones	29805 Old Smyrna Road, Freeport, OH 43973
7-8	Mary Brewer Hall	448 Wyoming Avenue, Paw Paw, IL 61353
7-8	Jean Wernette	9920 Pointe Drive, Mecosta, MI 49332

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7-8	Steve Jones	84125 Wallace Road, Cadiz, OH 43907
7-8	Almeada J. Eddy	726 Long Street, Bridgeport, WV 26330
7-8	Pauline Gee	409 North Garfield Street, Bloomdale, OH 44817
7-8	Anne Yvonne Hando and John Hando	715 Vermont Avenue, Fairmont, WV 26554
7-8	Rebecca Bonfili	864 Vandalia Road, Morgantown, WV 26505
7-8	Fred B. and Doris Mercer	4211 Crossroads Road, Fairview, WV 26570
7-8	David Mercer	P.O. Box 195, Fairview, WV 26570
7-8	Helen L. Suder and Milford B. Suder	Rt. 2 Box 97, Rivesville, WV 26588
7-8	Thornton and Alberta Merrifield	P.O. Box 130, Blacksville, WV 26521
7-8	Sally Jo and Gerald W. Hatfield	3359 Braeswood Court, Augusta, GA 30909
7-8	Mark R. and Cynthia Haught	4761 Medicine Man Road, Pah Rump, NV 89048
7-8	Joni L. and James V. Vugrinec	24387 North Docks Lane, Rathdrum, ID 83858
7-8	Andy Lee and Lisa E. Haught	2640 Colorado Drive, Green River, WY 82935
7-8	Thomas L. Phillips	2818 O'Donnell Street, Baltimore, MD 21224
7-8	Anthony M. Phillips	119 Adams Ferry Street, Brookneal, VA 24528
7-8	Joseph Thomas Wharton	404 Broaddus Avenue, Clarksburg, WV 26301
7-8	Kyle and Paula Lemley	1564 Daybrook Road, Fairview, WV 26570
7-5	Edna Simpson	993 Daybrook Road, Fairview, WV 26570
7-10.1	Lorita Marie Zastrow & Steven R. Zastrow	3737 School Road, Murrysville, PA 15668
7-10.1	Doris Mae Henry	256 County Road 13 West, Bellefontaine, OH 43311
7-10.1	Linda Lorraine Makin & James Earl Makin	333 Clements Road, Pittsburgh, PA 15239
7-10.1	Keith Henry and Ida Henry	355 West Center Street, West Mansfield, OH 43358
7-10.1	Betty Fultz & Daniel Fultz	172 Terrene Drive, Bellefontaine, OH 43311
7-10.1	Ernest Leroy Sine	518 Cooper Avenue, Bellefontaine, OH 43311

TMP	Coal Owner	Address
7-7, 8, 10.1	Consolidation Coal Company, Engineering & Operations Support - Coal; Attn: Analyst	1000 Consol Energy Drive, Canonsburg, PA 15317

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

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

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

**Date of Notice:** 05/17/2016      **Date Permit Application Filed:** 06/01/2016

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

HAND DELIVERY       CERTIFIED MAIL RETURN RECEIPT REQUESTED

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

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

Name: Aaron K. Fisher  
Address: 2524 Paxton Street  
Woodbridge, VA 22192

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

**Notice is hereby given:**

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

State: West Virginia      UTM NAD 83      Easting: 567412.9  
County: Monongalia      Northing: 4394314.0  
District: Clay      Public Road Access: State Route 218 (Daybrook Road)  
Quadrangle: Blacksville      Generally used farm name: Fisher  
Watershed: Dunkard Creek

**This Notice Shall Include:**

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

**Notice is hereby given by:**

Well Operator: Northeast Natural Energy LLC  
Address: 707 Virginia Street East, Suite 1200  
Charleston, WV 25301  
Telephone: 304-414-7060  
Email: hmedley@nne-llc.com  
Facsimile: 304-414-7061

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

**Oil and Gas Privacy Notice:**

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

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**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:** 05/17/2016      **Date Permit Application Filed:** 06/01/2016

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

- CERTIFIED MAIL       HAND
- RETURN RECEIPT REQUESTED      DELIVERY

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

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

(at the address listed in the records of the sheriff at the time of notice):

Name: <u>Please See Attachment</u>	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: <u>West Virginia</u>	UTM NAD 83	Easting: <u>567412.9</u>	_____
County: <u>Monongalia</u>		Northing: <u>4394314.0</u>	_____
District: <u>Clay</u>	Public Road Access: <u>State Route 218 (Daybrook Road)</u>	_____	
Quadrangle: <u>Blacksville</u>	Generally used farm name: <u>Fisher</u>	_____	
Watershed: <u>Dunkard Creek</u>	_____		

**This Notice Shall Include:**

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

Well Operator: <u>Northeast Natural Energy LLC</u>	Address: <u>707 Virginia Street East, Suite 1200</u>
Telephone: <u>304-212-0422</u>	<u>Charleston, WV 25301</u>
Email: <u>hmedley@nne-llc.com</u>	Facsimile: <u>304-241-5972</u>

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**Surface Owner(s):**

Aaron K. Fisher  
2524 Paxton Street  
Woodbridge, WV 22192

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

Aaron K. Fisher ✓  
2524 Paxton Street  
Woodbridge, WV 22192

Mr. & Mrs. Donnie E. Simpson  
993 Daybrook Road  
Fairview, WV 26570

Mr. Donnie E. Simpson, Attorney in Fact ✓  
For Ms. Edna F. Simpson  
993 Daybrook Road  
Fairview, WV 26570

Richard L. Price ✓  
1047 Daybrook Road  
Fairview, WV 26570

David A. Simpson ✓  
663 Daybrook Road  
Fairview, WV 26570

Gary E. Simpson  
67 McCoy Road  
Fairview, WV 26570

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WV Department of 12/29/2016  
Environmental Protection

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, Gayle 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 8, 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: 567412.9  
County: Monongalia Northing: 4394314.0  
District: Clay Public Road Access: State Route 218 (Daybrook Road)  
Quadrangle: Blacksville Generally used farm name: Fisher  
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: Gayle E. Simpson  
Print Name: Gayle E. Simpson  
Date: \_\_\_\_\_

FOR EXECUTION BY A CORPORATION, ETC.

Company: \_\_\_\_\_  
By: \_\_\_\_\_  
Its: \_\_\_\_\_

RECEIVED  
Signature: \_\_\_\_\_ Office of Oil and Gas  
Date: \_\_\_\_\_

JUN 02 2016

**Oil and Gas Privacy Notice:**

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

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
**VOLUNTARY STATEMENT OF NO OBJECTION**

**Instructions to Persons Named on Page WW-6A**

The well operator named on page WW-6A is applying for a permit from the State of West Virginia to conduct oil or gas well work. Well work permits are valid for twenty-four (24) months. Please contact the listed well operator and the Office of Oil and Gas if you do not own any interest in the listed surface tract.

**Comment and Waiver Provisions**

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

Pursuant to West Virginia Code § 22-6A-8(b) No permit may be issued less than thirty days after the filing date of the application for any well work except plugging or replugging; and no permit for plugging or replugging may be issued less than five days after the filing date of the application except a permit for plugging or replugging a dry hole: *Provided*, That if the applicant certifies that all persons entitled to notice of the application under the provisions of subsection (b), section ten of this article have been served in person or by certified mail, return receipt requested, with a copy of the well work application, including the erosion and sediment control plan, if required, and the well plat, and further files written statements of no objection by all such persons, the secretary may issue the well work permit at any time.

**VOLUNTARY STATEMENT OF NO OBJECTION**

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

State:	<u>West Virginia</u>	UTM NAD 83 Easting:	<u>567412.9</u>
County:	<u>Monongalia</u>	UTM NAD 83 Northing:	<u>4394314.0</u>
District:	<u>Clay</u>	Public Road Access:	<u>State Route 218 (Daybrook Road)</u>
Quadrangle:	<u>Blacksville</u>	Generally used farm name:	<u>Fisher</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><b>FOR EXECUTION BY A NATURAL PERSON</b></p> <p>Signature: <u>Richard L. Price</u></p> <p>Print Name: <u>Richard L. Price</u></p> <p>Date: <u>5-23-16</u></p> <p><b>FOR EXECUTION BY A CORPORATION, ETC.</b></p> <p>Company: _____</p> <p>By: _____</p> <p>Its: _____</p> <p>Signature: _____</p> <p>Date: _____</p>
	<p><b>RECEIVED</b></p> <p><b>Office of Oil and Gas</b></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. Our Office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov).



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

June 18, 2014

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

0500101754

Subject: DOH Permit for the Fisher Pad, Monongalia County  
Fisher 6H

Dear Dr. Martin,

Northeast Natural Energy LLC has applied for 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

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### 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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**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



**APPROVED WVDEP OOG**

12/17/2015

**FISHER WELL PAD  
CLAY DISTRICT, MONONGALIA COUNTY, WV  
OCTOBER 2015**

**REVISED NOVEMBER 2015**

SHEET INDEX

1. TITLE SHEET
- 2-3. EVACUATION ROUTE/PREVAILING WIND
4. E&S CONTROL LAYOUT OVERVIEW
- 5-7. E&S CONTROL LAYOUT
8. E&S CONTROL AND SITE PLAN OVERVIEW
- 9-11. E&S CONTROL AND SITE PLAN
12. WELL PAD CROSS-SECTIONS AND PROFILES C-C', D-D' AND E-E'
13. EXISTING ACCESS ROAD, ACCESS ROAD #1 AND ACCESS ROAD #2 PROFILE
- 14-16. EXISTING ACCESS ROAD CROSS-SECTIONS
- 17-19. ACCESS ROAD #1 AND #2 CROSS-SECTIONS
- 20-22. DETAIL SHEET
23. RECLAMATION PLAN OVERVIEW
- 24-26. RECLAMATION PLAN
27. SLOPE STABILIZATION PLAN

TOTAL DISTURBED AREA: 26.9 AC.  
ACCESS ROAD #1 DISTURBED AREA: 15.6 AC.  
ACCESS ROAD #2 DISTURBED AREA: 1.6 AC.  
WELL PAD DISTURBED AREA: 9.7 AC.

PROPERTY OWNER PROJECT BOUNDARY ACREAGE

PROPERTY OWNER	PARCEL #	ACRES
DONNIE E. & SHARON K. SIMPSON	4-4-21.2	0.2
DONNIE E. & SHARON K. SIMPSON	2-8-23.1	0.1
DONNIE F. SIMPSON	4-5-23.2	0.3
RICHARD L. PRICE	4-8-24	1.4
ASHON E. & JANET E. FISHER	4-8-25	4.1
JANET ELAINE FISHER & AARON KONRAD FISHER LIVING TRUST	4-8-26	5.2
AARON K. & JANET E. FISHER	4-2-26	7.4
JANET ELAINE FISHER & AARON KONRAD FISHER LIVING TRUST	4-7-8	7.7
AARON K. & JANET E. FISHER	5-1-7	6.0
NORTH EAST NATURAL ENERGY LLC	4-7-10.3	2.2
DAVID A. SIMPSON & DONNIE ERMAN ET AL	5-7-5	1.3
<b>TOTAL</b>		<b>26.9 ACRES</b>

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.

TITLE SHEET

FISHER WELL PAD  
CLAY DISTRICT, MONONGALIA COUNTY, WV

SHEET

1  
OF  
27

PLANS PREPARED BY:

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



*Andrew Benchek* 10-20-15

ANDREW BENCHEK  
P.E.

OFFICE OF Oil and Gas

NOV 2 2016

WV Department of Environmental Protection



COORDINATES

CENTER OF WELLS  
(NAD 83)  
LAT: 39° 41' 46.0"  
LONG: 80° 12' 49.3"  
(NAD 27)  
LAT: 39° 41' 46.0"  
LONG: 80° 12' 50.1"

SITE ENTRANCE  
(NAD 83)  
LAT: 39° 41' 42.2"  
LONG: 80° 13' 22.4"  
(NAD 27)  
LAT: 39° 41' 41.9"  
LONG: 80° 13' 23.1"



1"=2000'

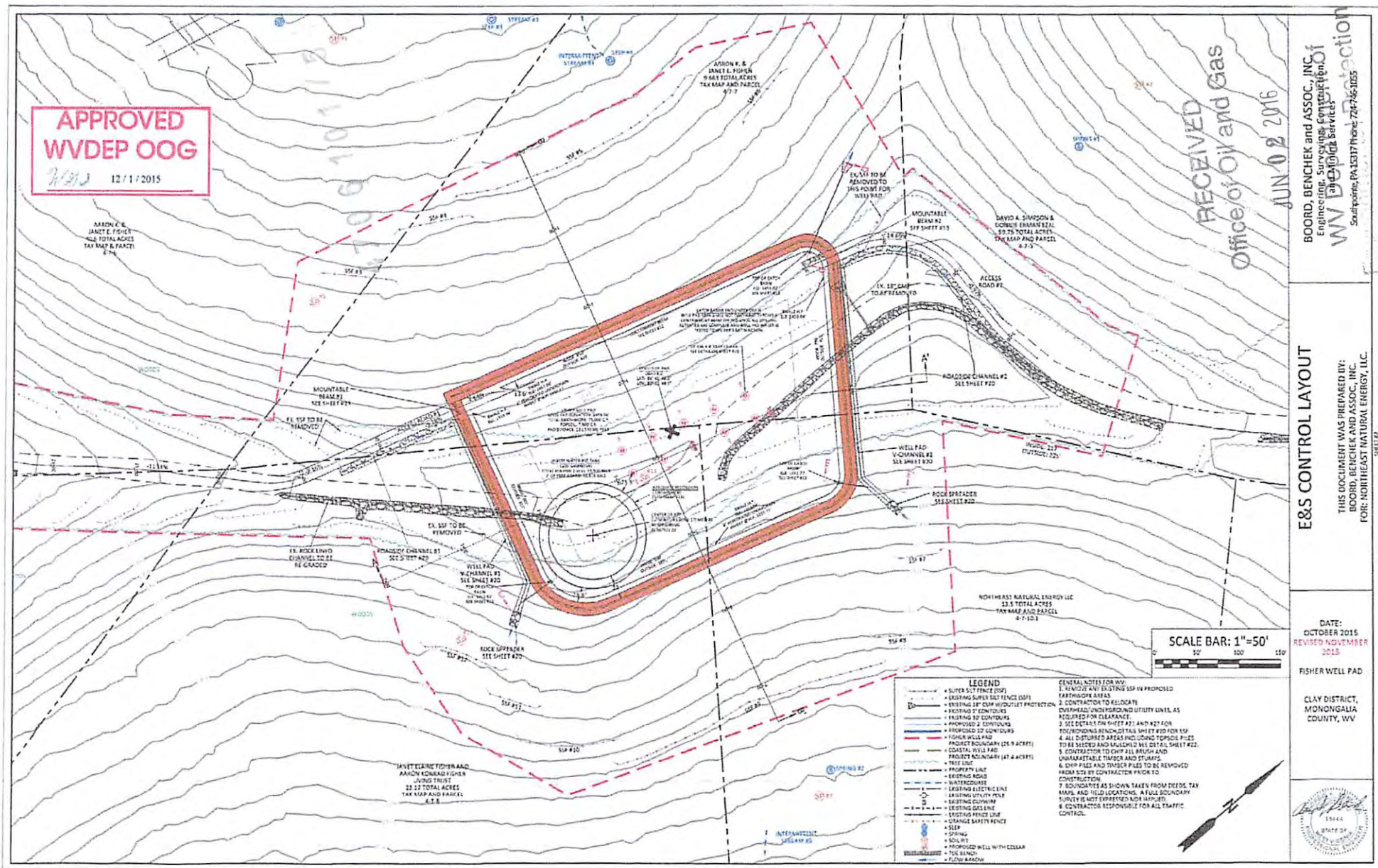


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- LEGEND**
- SUPER SITE FENCE (SSF)
  - EXISTING SUPER SITE FENCE (SSF)
  - EXISTING 20' CLEAR W/OUTLET PROTECTION
  - EXISTING 5' CONTIGUOUS
  - PROPOSED 2' CONTIGUOUS
  - PROPOSED 10' CONTIGUOUS
  - FISHER WELL PAD
  - PROJECT BOUNDARY (26.9 ACRES)
  - COASTAL W/LL PAD
  - PROJECT BOUNDARY (47.4 ACRES)
  - TRAIL LINE
  - EXISTING ROAD
  - WATERCOURSE
  - EXISTING ELECTRIC LINE
  - EXISTING UTILITY PIPE
  - EXISTING CULVERT
  - EXISTING GAS LINE
  - EXISTING FENCE LINE
  - ORANGE SAFETY FENCE
  - SLEEP
  - SLEEP
  - SLEEP
  - PROPOSED WELL WITH CLEAR
  - EXISTING WELL WITH CLEAR
  - TOL BRAND
  - FISH BRAND

**GENERAL NOTES FOR WV**

1. SHANTY ROW EXISTING SSF OR PROPOSED FARTHOUSHE AREA
2. CONTRACTOR TO RELocate EXISTING UNDERGROUND UTILITY LINE, AS REQUIRED FOR CLEARANCE.
3. SEE DETAILS ON SHEET #21 AND #27 FOR TOU/BONDING BENCH DETAILS SHEET #20 FOR 15'
4. ALL DISTURBED AREAS INCLUDING TOPSOIL PILES TO BE RESTORED AND RELOCATED TO SHEET #22.
5. CONTRACTOR TO CUP ALL BRUSH AND UNMARKETABLE TIMBER AND STUMPS.
6. OHP PILES AND TIMBER PILES TO BE REMOVED FROM SITE BY CONTRACTOR PRIOR TO CONSTRUCTION.
7. BOUNDARIES AS SHOWN TAKEN FROM DEEDS, TAX MAPS, AND FIELD LOCATIONS. A FULL BOUNDARY SURVEY IS NOT EXPRESSED NOR IMPLIED.
8. CONTRACTOR RESPONSIBLE FOR ALL TRAFFIC CONTROL.

SCALE BAR: 1"=50'  
 0 50 100 150

**E&S CONTROL LAYOUT**

THIS DOCUMENT WAS PREPARED BY:  
 BOORD, BENCHEK AND ASSOC., INC.  
 FISHER WELL PAD

DATE:  
 OCTOBER 2015  
 REVISED NOVEMBER 2015

CLAY DISTRICT,  
 MONGONGALLA  
 COUNTY, WV



BOORD, BENCHEK and ASSOC., INC.  
 Engineering, Surveying, Construction  
 and Digital Services  
 WV Department of Environmental Protection  
 Southport, PA 15317 Phone: 724-746-3125

## 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.

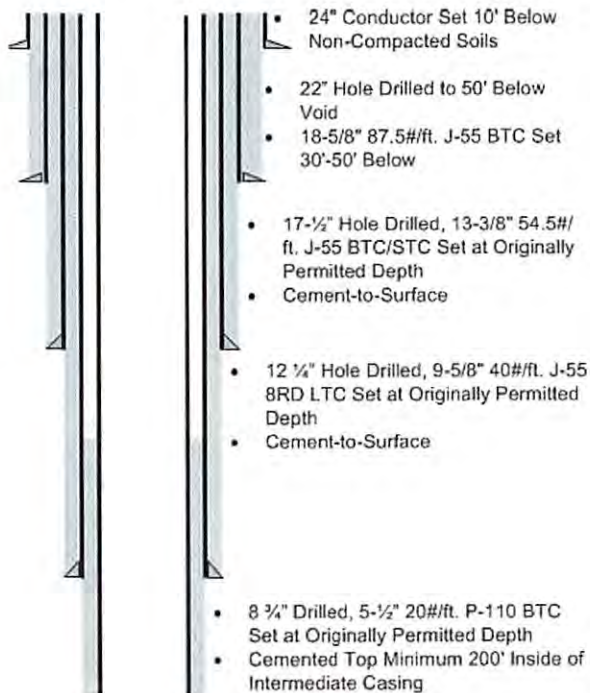
All casings programs submitted to the state incorporate the use of a 24” conductor over the previously used 20” that has long been the industry standard for a typical Marcellus design. The use of 24” conductor casing allows the use of a 22” bit to ream the surface hole, and drill 50’ below the void to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

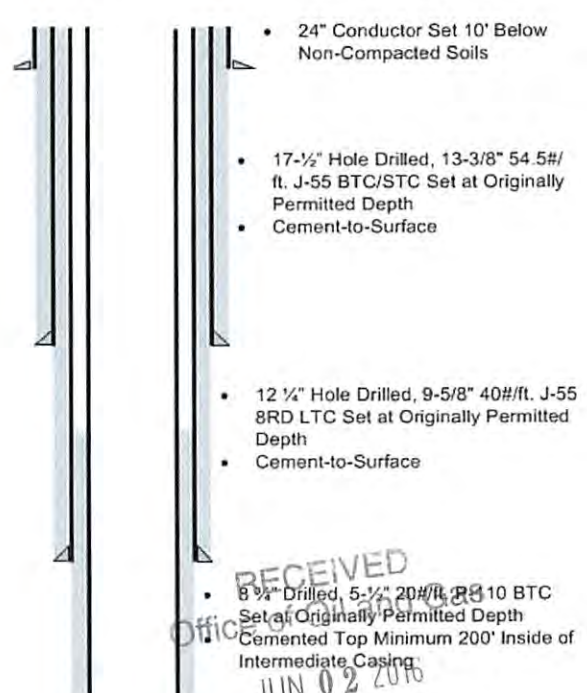
With the use of these string sizes and techniques, the surface and intermediate strings do not need to be altered. After a proper WOC time, the surface section of the well would continue to be drilled with a 17-1/2” bit and the 13-3/8” 54.50#/ft freshwater casing would be set at the originally permitted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

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

**Casing Schematic w/ Mine String**

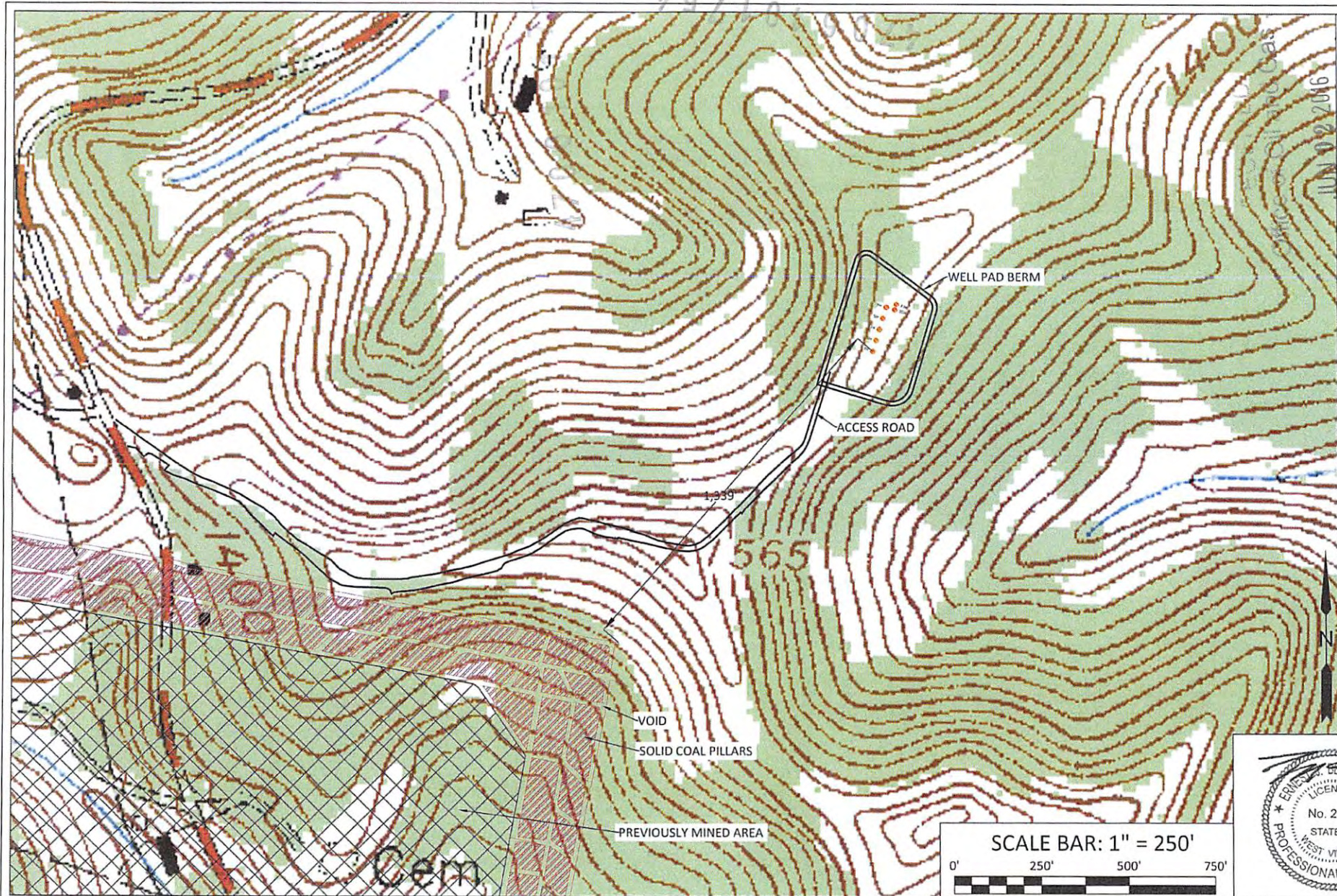


**Casing Schematic w/o Mine String**



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WV Department of Environmental Protection



JUN 02 2016

BOARD, BENCHEK and ASSOC., INC.  
 Engineering-Surveying, Construction &  
 and Mining Services  
 Southport, PA 15317 Phone: 724-765-1055

WELL PAD EXHIBIT  
 THIS DOCUMENT WAS PREPARED BY:  
 BOARD, BENCHEK and ASSOC., INC.  
 FOR: NORTHEAST NATURAL ENERGY, LLC.

DATE:  
 OCTOBER 2015  
 FISHER WELL PAD  
 CLAY DISTRICT,  
 MONONGALIA  
 COUNTY, WV



SHEET #1