

west virginia department of environmental protection

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

Austin Caperton, Cabinet Secretary www.dep.wv.gov

Monday, July 9, 2018 WELL WORK PERMIT Horizontal 6A / New Drill

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

Re: Permit approval for YOST 11H 47-061-01801-00-00

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: YOST 11H

Farm Name: YOST HERITAGE INC.

U.S. WELL NUMBER: 47-061-01801-00-00

Horizontal 6A New Drill Date Issued: 7/9/2018

API N	umber	:				
NTC	47	0	6.1	0	18	0 1

PERMIT CONDITIONS

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

CONDITIONS

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

API Number: _____

PERMIT CONDITIONS

4706101801

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



west virginia department of environmental protection

Office of Oil and Gas 601 57th Street Charleston, WV 25304 (304) 926-0450 fax (304) 926-0452 Earl Ray Tomblin, Governor Randy C. Huffman, Cabinet Secretary www.dep.wv.gov

ORDER ISSUED UNDER WEST VIRGINIA CODE, CHAPTER 22, ARTICLE 6A

TO: Northeast Natural Energy, LLC 707 Virginia Street East Suite 1200 Charleston, WV 25301 DATE: May 16, 2014 ORDER NO.: 2014-W-3

INTRODUCTION

This Order (hereinafter "Order") is issued by the Office of Oil and Gas (hereinafter "OOG"), by and through its Chief, pursuant to the authority of W. Va. Code §§ 22-1-1, 22-6-1 and 22-6A-1 et seq. to Northeast Natural Energy, LLC (hereinafter "Northeast Natural Energy" or "Operator"), collectively the "Parties."

FINDINGS OF FACT

In support of this Order, the Chief hereby finds the following:

- OOG, an office within the West Virginia Department of Environmental Protection, is the agency
 with the duty and authority to execute and enforce W. Va. Code §22-6-1 and §22-6A-1 et seq., and
 the rules and regulations promulgated thereunder.
- Northeast Natural Energy is a "person" as defined by W. Va. Code §22-6-1(n), with a corporate address as 707 Virginia Street East, Suite 1200, Charleston, WV 25301.
- On March 20, 2014, Northeast Natural Energy submitted permit applications for gas wells identified as API numbers 47-061-01670, 47-061-01671 and 47-061-01673, located on the Yost Pad in Clay District, Monongalia County, West Virginia.
- 4. On March 20, 2014 Northeast Natural Energy requested a waiver for Wetlands #1 and #2, outlined in Exhibit 1, from well location restriction requirements in W. Va. Code §22-6A-12(b) for gas well permit applications identified as API numbers: 47-061-01670, 47-061-01671 and 47-061-01673, located on the Yost Pad in Clay District, Monongalia County, West Virginia.

CONCLUSIONS OF LAW

- 1. West Virginia Code §22-1-6(d) requires, in part, that "[i]n addition to other powers, duties and responsibilities granted and assigned to the secretary by this chapter, the secretary is authorized and empowered to...(3) Enter private lands to make surveys and inspections for environmental protection purposes; to investigate for violations of statutes or rules which the Office of Oil and Gas is charged with enforcing; to serve and execute warrants and processes; to make arrests; issue orders, which for the purposes of this chapter include consent agreements; and to otherwise enforce the statutes or rules which the Office of Oil and Gas is charged with enforcing."
- 2. West Virginia Code §22-6A-2(a)(6) requires, in part, that "Concomitant with the broad powers to condition the issuance of well work permits, the secretary should also have broad authority to waive certain minimum requirements of this article when, in his or her discretion, such waiver is appropriate: *Provided*, That the secretary shall submit a written report of the number of waivers granted to the Legislature commencing January 1, 2013, and each year thereafter."
- 3. West Virginia Code §22-6A-12(b) requires, in part, that "[n]o 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 Office of Oil and Gas 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 Office of Oil and Gas 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."

ORDER

Therefore, the Office of Oil and Gas grants Northeast Natural Energy, LLC a waiver for Wetlands #1 and #2 from well location restriction requirements in W. Va. Code §22-6A-12(b) for gas well permit applications identified as API numbers 47-061-01670, 47-061-01671 and 47-061-01673 located on the Yost Pad in Monongalia County, West Virginia. The Office of Oil and Gas hereby **ORDERS** that Northeast Natural Energy, LLC shall meet the following site construction and operational requirements for the Yost well pad:

- A berm shall be constructed around the perimeter of the pad to contain any potential spills and storm water runoff. Berm is to be at least two feet (2') in height;
- Orange fencing shall be installed on the project boundary to ensure no accidental encroachment happens.
- e. Filter/silt socks and erosion control blankets shall be installed on all slopes and down gradient locations
 of the pad and topsoil pile areas as erosion and sediment controlling BMPs;
- d. Wetland #1 and #2 shall have a triple compost filter sock stack installed adjacent to the wetland;
- As stated by Northeast Natural Energy, a geotechnical inspector will be on site to insure the recommended construction techniques are followed as laid out in the completed geotechnical report.
- f. Disturbed areas not used for operations shall be seeded and mulched per the seeding tables in the WVDEP-OOG Erosion and Sediment Control Manual;
- g. Drilling muds shall be disposed of in a permitted landfill;
- h. Waste generated by the flowback treatment systems shall be sent to offsite disposal at a permitted landfill:
- Weekly site inspections shall be conducted to monitor and maintain the integrity of the BMP storm water controls;
- j. Weekly storm water and spill prevention inspections shall be conducted focusing on storm water and spill prevention BMPs and maintenance of these BMPs;
- k. Inspections of the storm water and spill prevention measures shall be conducted after any major storm event defined as a half inch (½") rain within any twenty-four (24) hour period;
- Pad inspections shall be conducted no less than once a week to identify and mitigate potential deficiencies;
- M. All records from inspections shall be maintained on site for the life of the project and be available upon request.

Thus ORDERED, the 16th day of May, 2014.

IN THE NAME OF THE STATE OF WEST VIRGINIA:

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

By:

AMES A. MARTIN, CHIEF

WW-6B API NO. 47-____

OPERATOR WELL NO. Yost 11H
Well Pad Name: Yost

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

(04/15)

1) Well Operator: Northeast Na	tural Energy LLC	494498281	Monongalia	Clay	Blacksville
o was always -		Operator ID	County	District	Quadrangle
2) Operator's Well Number: You	st 11H	Well Pa	d Name: Yost		
3) Farm Name/Surface Owner:	Yost Heritage In	C. Public Roa	ad Access: Day	brook Rd.	218
4) Elevation, current ground:	1,492' Ele	evation, proposed	post-constructi	on: 1,492'	
5) Well Type (a) Gas X Other	Oil	Und	erground Stora	ge	
(b)If Gas Shal	llow X	Deep			
6) Existing Pad: Yes or No Yes	izontal X		HOK.	5/22/201	8
7) Proposed Target Formation(s) Marcellus; 8,300'; 122'; 5,000 P	, Depth(s), Antici	pated Thickness a			
8) Proposed Total Vertical Depth	1: 8,300'				
9) Formation at Total Vertical D					
10) Proposed Total Measured De	epth: 20,933.63) ¹			
11) Proposed Horizontal Leg Ler	ngth: 11,038'				
12) Approximate Fresh Water St	rata Depths:	50', 1,378'			
13) Method to Determine Fresh	Water Depths:	riller's Log from	Offset Wells		
14) Approximate Saltwater Dept	hs: 2,410'				
15) Approximate Coal Seam Dep	oths: 320', 712'				
16) Approximate Depth to Possil	ble Void (coal mi	ne, karst, other):	N/A		SECENED Gas
17) Does Proposed well location directly overlying or adjacent to		yes	No	X	RECEIVED Gas NAY 2 3 2018 Wy Department of the control of the co
(a) If Yes, provide Mine Info:	Name:				W Deprital Fr
	Depth:				DI.
	Seam:				
	Owner:				

WW-6B	
(04/15)	

API NO. 47- OPERATOR WELL NO. Yost 11H
Well Pad Name: Yost

18)

CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	24"	New	N/A	94.71	40'	40'	GTS
Fresh Water	13-3/8"	New	J-55	54.5	1,480′	1,450'	CTS
Coal					N/A	N/A	
Intermediate	9-5/8"	New	J-55	40	2,630'	2,600'	CTS
Production	5-1/2"	New	P-110	20	20,933.63'	20,903.63'	4,931 Cu. Ft.
Tubing	2-7/8"	New	N-8	6.5	N/A	8,500'	N/A
Liners							

K9K 5/22/2018

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	24"	30"	.375	415		4,500 psi Grout	N/A
Fresh Water	13-3/8"	17-1/2"	.38"	2,760	2,000	Type 1	1.18
Coal							
Intermediate	9-5/8"	12-1/4"	.395"	3,950	3,000	Type 1	1.18
Production	5-1/2"	8-3/4"	.361	12,530	9,700	50:50 Proz	1.21
Tubing	2-7/8"	N/A	.217"	10,570	3,600	N/A	N/A
Liners							

PACKERS

	PACKERS	RECEIVED Gras
Kind:		MAY 2 3 2018
Sizes:		WV Department of Environmental Projection
Depths Set:		Environmental

WW-6B (10/14) 47 0 6 1 0 1 8 0 1

OPERATOR WELL NO. Yost 11H

Well Pad Name: Yost

19) I	Describe p	proposed	well	work,	including	g the	drilling	and	plugging	back	of any	pilot h	ıole:
-------	------------	----------	------	-------	-----------	-------	----------	-----	----------	------	--------	---------	-------

Drilling and completion of a horizontal Marcellus well. The well will be drilled on air to an approximate depth of 6,234' TVD/MD. The well will then be horizontally drilled on fluid from KOP to approximately 8,300' TVD / 20,933.63' MD along a 325° 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 100 BPM with a maximum allowable surface pressure of 9,500 PSI. Composite bridge plugs will be set at the end of the last stage to isolate the treated formation.

- 21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): N/A
- 22) Area to be disturbed for well pad only, less access road (acres): N/A
- 23) Describe centralizer placement for each casing string:

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

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

Surface string cement will be Type 1 + Max 3% bwoc Calcium Chloride Fresh Water blend.

RECEIVED Intermediate string cement will be Type 1 Cement + Max 3% bwoc Calcium Chloride + Fresh Water and Case Production string cement will be (50:50) Poz (Fly Ash): Type I Cement with a gas migration additive 3 2018

WV Department of Environmental Protection

25) Proposed borehole conditioning procedures:

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

*Note: Attach additional sheets as needed.

Universal Pressure Pumping, Inc. Cement Data

Type I, 2% CaCl₂

Typical Use: Conductor, Surface Casing Typical Area of Application: All Locations

Slurry Properties:

Density: 15.6 #/gal Yield: 1.19 ft³/sk Water Requirement: 5.2 gal/sk

Component	Percentage	Amount per Sack
Type I	100%	94 lb
CaCl ₂	2%	1.88 lb

Temp (F)	50 psi (hr:min)	500 psi (hr:min)	8 hr (psi)	12 hr (psi)	1 Day (psi)	3 Day (psi)	7 Day (psi)
60	5:50	13:22	155	406	1276	(502)	(50.)
70	2:54	7:55	508	887	1914	3395	
75	1:30	5:33	799	1264	2288		

Temp	8 hr	10 hr	12 hr	1 Day	3 Day
(F)	(psi)	(psi)	(psi)	(psi)	(psi)
60	275	425	625	2300	4175
70	600	900	1175	3150	4775
80	1325	1725	2325	4300	6425

Test	Result	Conditions
Fluid Loss		100F, 1000 psi
Free Water	0.0%	80F, Vertical

Thickening Time to 70 Bc @ 60F & 1000 psi: 3 hr 14 min Thickening Time to 70 Bc @ 70F & 1000 psi: 2 hr 26 min Thickening Time to 70 Bc @ 70F & 1500 psi: 2 hr 10 min Thickening Time to 70 Bc @ 80F & 1000 psi: 1 hr 33 min Thickening Time to 70 Bc @ 80F & 1500 psi: 1 hr 45 min

RECEIVED Office of Oil and Gas

MAY 2 3 2018

WV Department of Environmental Protection

The cement data presented above represents the most up-to-date average cement properties for the given blend as of October 2017, under lab conditions. This data should be used as a reference and should not be considered to be absolute. The actual properties of the cement blend used on a job may differ somewhat based on variations in cement, fly ash and water sources.

Note: For internal use only. Technical information contained in this document is property of Universal Pressure Pumping, Inc., and is not to be distributed or copied. Customer information requests must be handled through the Chemical Technology Group.

Universal Pressure Pumping, Inc. Cement Data

Type I, 1% CaCl₂

Typical Use: Conductor, Surface Casing Typical Area of Application: All Locations

Slurry Properties:

Density: 15.6 #/gal Yield: 1.18 ft³/sk Water Requirement: 5.2 gal/sk

Component	Percentage	Amount per Sack
Type I	100%	94 lb
CaCl ₂	1%	0.94 lb

Temp	50 psi	500 psi	8 hr	12 hr	1 Day	3 Day	7 Day
(F)	(hr:min)	(hr:min)	(psi)	(psi)	(psi)	(psi)	(psi)
60	6:48	13:43	112	367	1574		1
65	4:38	10:05	300	732	2646		
70	4:15	9:00	384	953	2808		
80	3:15	6:33	803	1887	3509	5805	

Temp	4 hr	6 hr	8 hr	10 hr	12 hr	1 Day	3 Day
(F)	(psi)						
60	Wet	< 50	200	425	650	2600	5175
70	< 50	75	525	1000	1300	3825	5700
80	< 50	300	1275	1775	2450	4925	7125

Test	Result	Conditions
Fluid Loss		
Free Water	0.3%	70F, Vertical

Thickening Time to 70 Bc @ 70F & 1500 psi: 2 hr 36 min Thickening Time to 70 Bc @ 80F & 1000 psi: 1 hr 53 min Thickening Time to 70 Bc @ 80F & 1500 psi: 1 hr 55 min

The cement data presented above represents the most up-to-date average cement properties for the given blend as of October 2017, under lab conditions. This data should be used as a reference and should not be considered to be absolute. The actual properties of the cement blend used on a job may differ somewhat based on variations in cement, fly ash and water sources.

Note: <u>For internal use only.</u> Technical information contained in this document is property of Universal Pressure Pumping, Inc., and is not to be distributed or copied. Customer information requests must be handled through the Chemical Technology Group.

Northeast Natural Energy LLC Mine Contingency Plan



Casina Schematic w/o Mine String

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

24" Conductor Set 10' Below 24" Conductor Set 10' Below Non-Compacted Soils Non-Compacted Soils 22" Hole Drilled to 50' Below 18-5/8" 87.5#/ft. J-55 BTC Set 17-1/2" Hole Drilled, 13-3/8" 54.5#/ 30'-50' Below ft. J-55 BTC/STC Set at Originally Permitted Depth 17-1/2" Hole Drilled, 13-3/8" 54.5#/ Cement-to-Surface ft. J-55 BTC/STC Set at Originally Permitted Depth Cement-to-Surface 12 1/4" Hole Drilled, 9-5/8" 40#/ft, J-55 8RD LTC Set at Originally Permitted 12 1/4" Hole Drilled, 9-5/8" 40#/ft. J-55 8RD LTC Set at Originally Permitted Depth Cement-to-Surface Cement-to-Surface 8 ½" Drilled, 5-½" 20#/ft. P-110 BTC ECEIVED Set at Originally Permitted Depth of Oil and Gas Cemented Top Minimum 200 Histor of 8 1/4" Drilled, 5-1/2" 20#/ft. P-110 BTC Set at Originally Permitted Depth Cemented Top Minimum 200' Inside of Intermediate Casing FEB 1 5 2018 Intermediate Casing

07/13/2018

11/11 - IC

WW Department of Environmental Protection

Yost 11H Area of Review

API Number	Well Name	Well Number	Operator	Latitude (NAD 83)	Longitude (NAD 83)	TMP	TVD	Producing Formation
47-061-01667	Yost Heritage Inc	H1	Yost Heritage Inc.	39.636907	-80.224577	4-19-43.1	3,514' Fifth Sand	Permit Issued 9-19-2014
47-061-01651	Yost Heritage Inc	1	Yost & Yost, Inc.	39.636908	-80.224661	4-19-43.1	3,000' Fifty Foot Sand	Permit Issued 1-31-2013
47-061-01185	Eastern Assoc Coal Co	4559	CNG Producing Co.	39:660366	-80.244901	4-18-04	890,	Methane - Existing Mine Vent
47-061-01442	Norman Brookover	F2-320	Eastern Associated / Peabody Coal Company	39.660651	-80.243977	4-18-04	3,190' Bayard Sand	Plugged on 4-30-2003
47-061-01444	Norman Brookover	F2-322	Eastern Associated / Peabody Coal Company	39.662102	-80.246417	4-18-04	3,230' Bayard Sand	Plugged on 10-25-2002
47-061-00040	Gary & Dale Copeland	F2-526	Eastern Associated / Peabody Coal Company	39.651811	-80.240395	4-18-15	3,300' Bayard Sand	Plugged on 6-12-2006
47-061-00099	Mark Gray	F2520	Eastern Associated / Peabody Coal Company	39.652971	-80.239832	4-18-15	3,350' Bayard Sand	Plugged on 09-20-2005
47-061-01443	Norman Brookover	F2-321	Eastern Associated / Peabody Coal Company	39.659489	-80.246604	4-18-04	3,210' Bayard Sand	Plugged on 3-17-2003
47-061-00362	Daybrook Dev	F2-533	Eastern Associated / Peabody Coal Company	39.641081	-80.220134	4-19-43.1	3,450' Bayard Sand	Plugging Permit Cancelled on 3-18-2016

RECEIVED
Office of Oil and Gas

MAY 2 3 2018

WV Department of Environmental Protection

07/13/2018

NORTHEAST NATURAL ENERGY, LLC

1 24in Conductor: 0.00" Inc. 0.00ft MD, -0.00ft TVD, 0.00ft VS

Location: Monongalia County, WV Field: Monongalia

Facility: Yost Pad

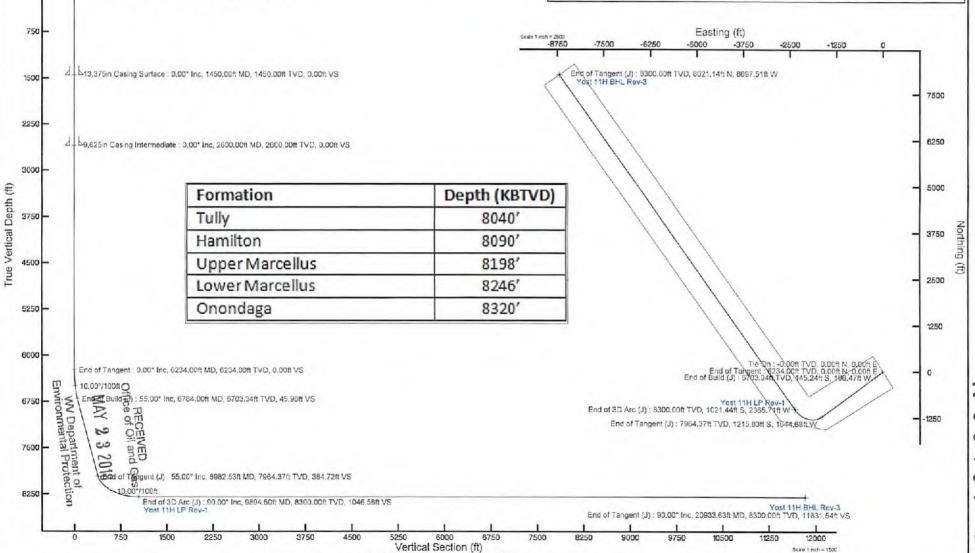
Slot: Slot 11 Well: Yost 11H Wellbore: Yost 11H PWB



			Location I	Information			
	Facility Name		Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	
	Yost Pad		1766284.700	416664.100	39"38'30.274"N	80"13'05.121"W	
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	
Slot 11	-17.45	-24.42	1766250.280	416646,650	39°38'30.099"N	BD*13'05.431"W	
Rig on Slot 1	11 (RT) to Groun	d level (At Slot:	Slot 11)		on		
Mean Sea L	evel to Ground le	evel (At Slot: Slo	(11)		-1468.2ft		
Rig on Slot 1	11 (RT) to Mean	Sea Level			1468,2ft		



Туре	Hole Size	Casing Size	Grade		GL Depth (Csg)
Conductor	28"	24"	NA		40'
Surface	17-1/2"	13-3/8"	J-55	54.5	1450'
Intermediate	12-1/4"	9-5/8"	J-55	40	2600'



Azimuth 312.68" with reference 0.00 N, 0.00 E

WW-9 (4/16)

API Number 47	-	
---------------	---	--

Operator's Well No. Yost 11H

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

FLUIDS/ CUTTINGS D	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 co 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		
	ermit Number)
Reuse (at API Number unknown a		
Off Site Disposal (Supply form Other (Explain	WW-9 for disposal location)	
Will closed loop system be used? If so, describe: Yes - Se	e Attachment "A"	
Drilling medium anticipated for this well (vertical and horiz	zontal)? Air, freshwater, oil based, etcAir-Vertical/Oil Bas	sed-Curve & Horizontal
-If oil based, what type? Synthetic, petroleum, etc	Synthetic Oil Based Mud	
Additives to be used in drilling medium? Organophilic Clay Visc	xisifiers, Lime, Unsaturated Fatty Acids, CaCl, Barite, Emulsifiers, Mica LCM	, Water Loss Agents
Drill cuttings disposal method? Leave in pit, landfill, remo	ved offsite, etc. Removed Offsite - See Attachment "A"	
-If left in pit and plan to solidify what medium wil		
-Landfill or offsite name/permit number? See Atta	chment "A"	
Permittee shall provide written notice to the Office of Oil at West Virginia solid waste facility. The notice shall be provi where it was properly disposed.	nd Gas of any load of drill cuttings or associated wast ided within 24 hours of rejection and the permittee sha	e rejected at any all also disclose
on August 1, 2005, by the Office of Oil and Gas of the Wes provisions of the permit are enforceable by law. Violation law or regulation can lead to enforcement action.	ns of any term or condition of the general permit and nally examined and am familiar with the informatio based on my inquiry of those individuals immedia is true, accurate, and complete. I am aware that t	I understand that the d/or other applicable in submitted on this tely responsible for
Company Official Signature	OFFICIAL SEA	1
Company Official (Typed Name) Hollie Medley	STATE OF WEST VIII	
Company Official Title Regulatory Manager	Northeast Natural End 48 Donley Street, Su Morgantown, WV 2 My Commission Expires 2111111111111111111111111111111111111	HE 601 RECEIVED Gas
Subseribed and sworn before me this 24 day o		
har the Bothon	Notary Public	+EU -
12/1/2002	(Notary Prioric	WV Department of Environmental Protect
My commission expires 12 12022		07/13/2018

Operator's Well No. Yost 11H

Lime 3	lbs/acre 46 8
Nulch 3 Tons/acre	46
Mulch 3 Tons/acre Seed Mixtures Temporary Permanent Seed Type Ibs/acre Seed Type Orchard Grass 46 Orchard Grass Red Clover 8 Red Clover Tetraploid Perrennial Rye 16 Tetraploid Perrennial Rye Timothy - 15 and Annual Rye- 15 Timothy - 15 and Annual F	46
Temporary Seed Type Orchard Grass A6 Orchard Grass Red Clover Tetraploid Perrennial Rye Timothy - 15 and Annual Rye- 15 Seed Mixtures Permanent Seed Type Orchard Grass Red Clover Red Clover Tetraploid Perrennial Rye Timothy - 15 and Annual Rye-	46
Seed Type Ibs/acre Seed Type Orchard Grass 46 Orchard Grass Red Clover 8 Red Clover Tetraploid Perrennial Rye 16 Tetraploid Perrennial Rye Timothy - 15 and Annual Rye- 15 Timothy - 15 and Annual Rye-	46
Seed Type Orchard Grass A6 Orchard Grass Red Clover 8 Red Clover Tetraploid Perrennial Rye Timothy - 15 and Annual Rye- 15 Seed Type Orchard Grass Red Clover Tetraploid Perrennial Rye Timothy - 15 and Annual Rye- 15	46
Orchard Grass Red Clover 8 Red Clover Tetraploid Perrennial Rye 16 Tetraploid Perrennial Rye Timothy - 15 and Annual Rye- 15 Timothy - 15 and Annual Rye-	46
Tetraploid Perrennial Rye 16 Tetraploid Perrennial Rye Timothy - 15 and Annual Rye- 15 Timothy - 15 and Annual Rye-	8
Timothy - 15 and Annual Rye- 15 Timothy - 15 and Annual R	
	e 16
	Rye - 15
Plan Approved by: Hayney Kn. to Comments:	
Title: INSpector Date: 2/13/2018	

Attachment A to WW-9

Northeast Natural Energy LLC ("NNE") plans to utilize a closed loop process for its drilling of the Yost 11H 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.

Yost 11H Drill Cuttings will be taken to disposal at one or more of the following disposal/approved waste facilities, unless listed facilities are no longer approved to accept waste at time of disposal:

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

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

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

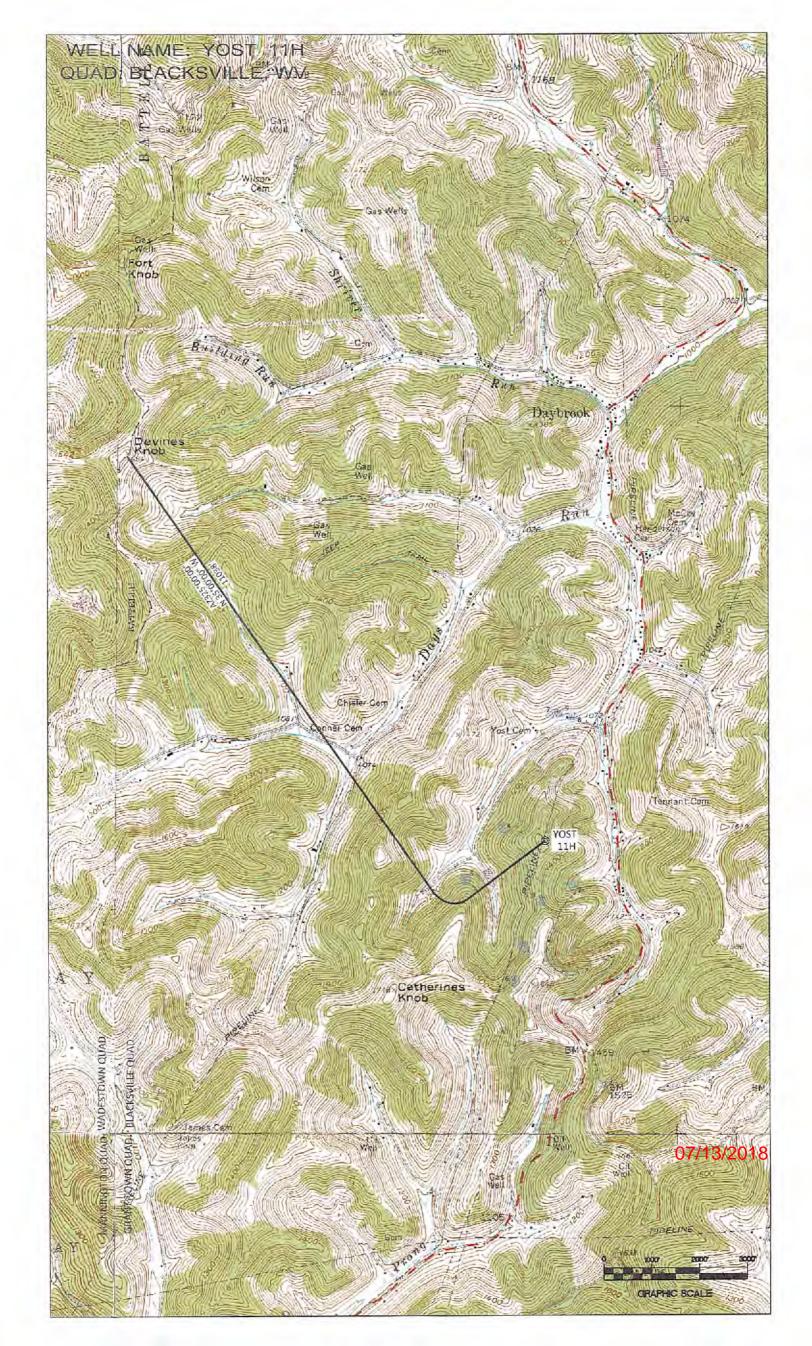
RECEIVED
Office of Oil and Gas
FEB 1 5 2018

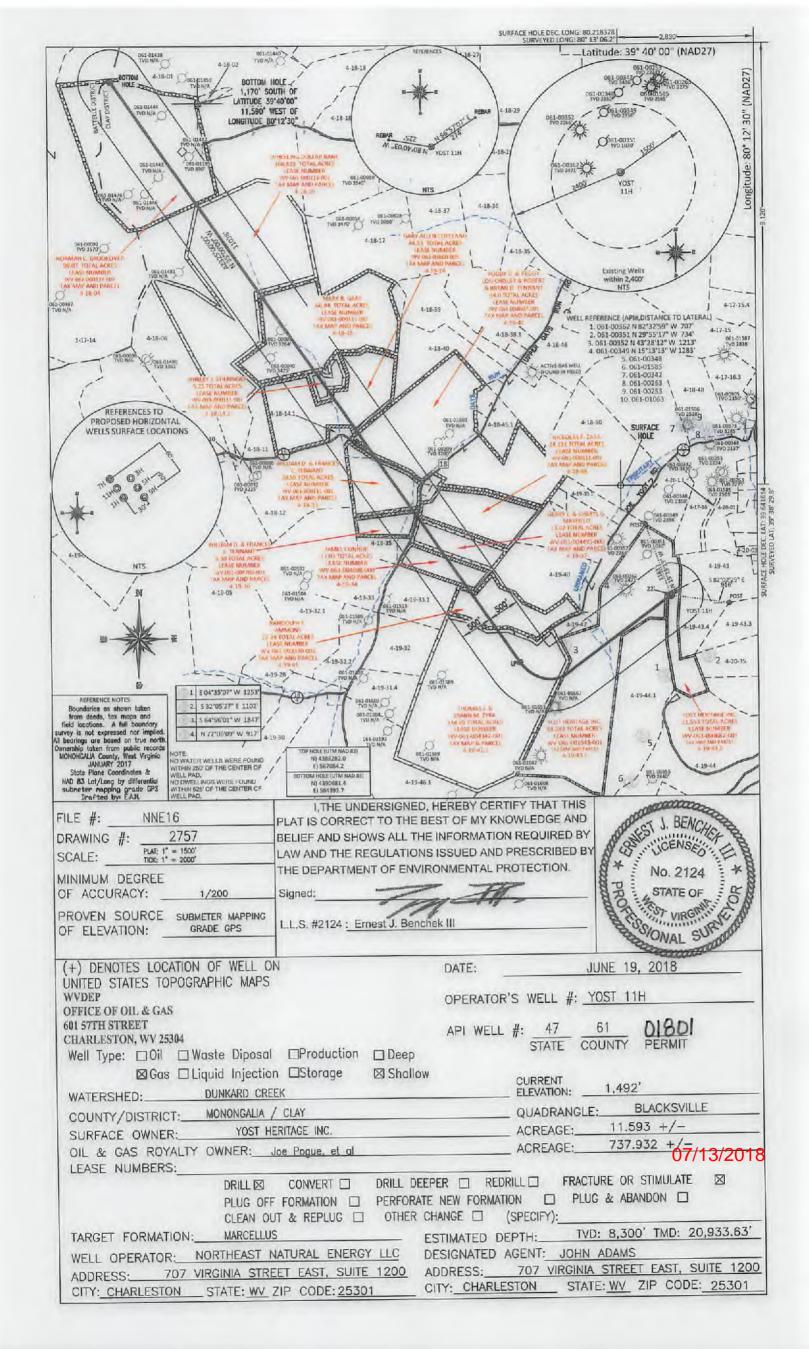
WV Department of Environmental Protection
07/13/2018



Yost 11H SITE SAFETY PLAN Larped 2018

May 16, 2018







June 18, 2018

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

RE: Yost 1H, 7H, and 11H

Dear Permit Reviewer:

Please be advised that Northeast Natural Energy LLC has the right to drill, extract and produce the minerals beneath the roads identified as Conner School Road (County Route 16/1), Upper Days Run Road (County Route 18), County Route 18/3 and Joe Yost Road (County Route 25/2) on the enclosed survey plats.

Sincerely,

Anthony Romeo

Manager - Land Operations

Enclosure

WW-6A1 (5/13)

Operator's	Well No	Yost 11H
Operator's	Well No	Yost 11H

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

Please See Attachment

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

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

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

RECEIVED Office of Oil and Gas

MAY 2 3 2018

WV Department of

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces nearly Protection 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

Its: Regulatory Manager

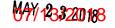
Page 1 of 9

OPERATOR'S WELL NUMBER

YOST NORTH 11H

NNE LEASE NUMBER	LESSOR NAME	LESSEE NAME	ROYALTY	BK/PG
WV-061-000682-001	Joe Pogue	Northeast Natural Energy LLC	0.125 or Greater	1447/839
WV-061-000682-002	Nancy K. Pogue Saurborn	Northeast Natural Energy LLC	0.125 or Greater	1447/835
WV-061-000682-003	Bryan D. Tennant	Northeast Natural Energy LLC	0.125 or Greater	1449/310
WV-061-000682-004	Donald L. Tennant	Northeast Natural Energy LLC	0.125 or Greater	1449/308
WV-061-000682-005	Clarence L. Tennant	Northeast Natural Energy LLC	0.125 or Greater	1449/306
WV-061-000682-006	Donald Spencer Tennant	Northeast Natural Energy LLC	0.125 or Greater	
WV-061-000682-007	Julia Katheryn McKita	Northeast Natural Energy LLC	0.125 or Greater	
WV-061-000682-009	Thomas A. Tennant	Northeast Natural Energy LLC		1450/455
	Jean Unverdorben, attorney-in-fact for	,		
WV-061-000682-010	Esther L. Morris	Northeast Natural Energy LLC	0.125 or Greater	1450/457
WV-061-000682-011	Dorothy L. and Phillip Kollar	Northeast Natural Energy LLC		1450/465
WV-061-000682-012	Robert Leon Pyles	Northeast Natural Energy LLC	0.125 or Greater	
WV-061-000682-013	John Robert and Victoria Ann Pyles	Northeast Natural Energy LLC	0.125 or Greater	
WV-061-000682-014	Charles H. Morris and Doris Murphy-Morris	Northeast Natural Energy LLC	0.125 or Greater	
	James Morgan and Avie E. Pyles	Northeast Natural Energy LLC		1453/228
001 000002 013	Wilma Gem, Donald Lee, Deborah Ann,	The traceral Energy LLC	J.125 Or Ordicer	- 100/ 220
WV-061-000682-016	Roger Keith Williams	Northeast Natural Energy LLC	0.125 or Greater	1451/519
	Brian K. Taub	Northeast Natural Energy LLC	Deed	1458/684
	Robert A. Morris	Northeast Natural Energy LLC		1446/50
*** ***********************************	David Wayne Cassell	Northeast Natural Energy LLC		1454/423
WV-061-000682-020	Pamela Ruth Spark Natho	Northeast Natural Energy LLC		1454/425
	James Lawrence Taub	Northeast Natural Energy LLC	Deed Deed	1458/689
WV-061-000682-022	Karen Markle			1460/125
		Northeast Natural Energy LLC		
	Julia Katheryn McKita	Northeast Natural Energy LLC	Deed	1508/003
	James E. Martin	Northeast Natural Energy LLC		1503/659
	Robert R. Martin	Northeast Natural Energy LLC		1503/124
WV-061-000682-033	Donna Morris	Northeast Natural Energy LLC	Deed	1515/587
WV-061-000682-034	Charles M. and Deborah Spark	Northeast Natural Energy LLC		1510/710
WV-061-000682-035	Gordon J. Goldthwaite	Northeast Natural Energy LLC	0.125 or Greater	
	Janet Spark	Northeast Natural Energy LLC	0.125 or Greater	
	Mildred Williams	Northeast Natural Energy LLC	0.125 or Greater	
WV-061-000682-038	Carol and Dwayne Broadhurst	Northeast Natural Energy LLC	0.125 or Greater	
WV-061-000682-039	Chad D. Tennant	Northeast Natural Energy LLC	0.125 or Greater	
WV-061-000682-040	Lawrence and Sharon Morris	Northeast Natural Energy LLC	0.125 or Greater	1505/525
WV-061-000682-041	Thomas Andrew and Rosemary Morris	Northeast Natural Energy LLC	0.125 or Greater	
	Daniel J. Taub, Sr.	Northeast Natural Energy LLC	0.125 or Greater	
	John F. Gensko	Northeast Natural Energy LLC	0.125 or Greater	
	Sandra J. and Joseph Swartz	Northeast Natural Energy LLC	0.125 or Greater	
	Mary Morris, f/k/a Mary E. Pisano	Northeast Natural Energy LLC	0.125 or Greater	
	Tonya Billingsley	Northeast Natural Energy LLC	0.125 or Greater	
WV-061-000682-047	Peter Eves	Northeast Natural Energy LLC		1505/151
	Gary Eves, Jr.	Northeast Natural Energy LLC	 	1505/183
WV-061-000682-049	Clarence Joseph Womer, Jr.	Northeast Natural Energy LLC		1510/76
	Sandra Lou Mason	Northeast Natural Energy LLC		1515/583
	Lloyd A. and Connie Taub	Northeast Natural Energy LLC		1517/135
	Paul H. and Barbra Gensko	Northeast Natural Energy LLC		1512/515
	Roger E.and Marjie Goldthwaite	Northeast Natural Energy LLC	0.125 or Greater	1511/769
WV-061-000682-055	Rosemary Pogue	Northeast Natural Energy LLC	Deed	1521/87
	Nancy K. Pogue Saurborn or James Ervin			
WV-061-000682-056	Saurborn	Northeast Natural Energy LLC	Deed RECEIVED Dieedof Oil and Ga	1516/0520
WV-061-000682-057	David Wayne Cassell	Northeast Natural Energy LLC	Diemedof Oil and Ga	1521/79

WV-061-000173-002 Walter Kevin and Marrien Northeast Natural Energy LLC Deed 152/383 WV-061-000173-002 Walter Kevin and Mareen L. Huffman Northeast Natural Energy LLC D. 125 or Greater 1431/206 WV-061-000173-002 Walter Kevin and Mareen L. Huffman Northeast Natural Energy LLC 0.125 or Greater 1431/206 WV-061-000173-003 Walter Kevin and Mareen L. Huffman Northeast Natural Energy LLC 0.125 or Greater 1431/206 WV-061-000173-007 Walter Kevin and Mareen L. Huffman Northeast Natural Energy LLC 0.125 or Greater 1431/206 WV-061-000173-007 Wason Northeast Natural Energy LLC 0.125 or Greater 1431/206 WV-061-000173-001 Peggy A. Mason Northeast Natural Energy LLC 0.125 or Greater 1431/206 WV-061-000173-012 Peggy A. Mason Northeast Natural Energy LLC 0.125 or Greater 1431/206 WV-061-000173-020 William M. Mason Northeast Natural Energy LLC 0.125 or Greater 1431/206 WV-061-000173-023 William M. Mason Northeast Natural Energy LLC Deed 1514/604 WV-061-000173-023 Joyce Ann and Gene Hebb Northeast Natural Energy LLC Deed 1514/604 WV-061-000173-025 Joyce Ann and Gene Hebb Northeast Natural Energy LLC Deed 1514/604 WV-061-000173-025 Joyce Ann and Gene Hebb Northeast Natural Energy LLC Deed 1514/604 WV-061-000173-025 Joyce Ann and Gene Hebb Northeast Natural Energy LLC Deed 1514/604 WV-061-000173-025 Joyce Ann and Gene Hebb Northeast Natural Energy LLC Deed 1514/604 WV-061-000173-025 Joyce Ann and Gene Hebb Northeast Natural Energy LLC Deed 1514/604 WV-061-000173-025 Joyce Ann and Gene Hebb Northeast Natural Energy LLC Deed 1514/604 WV-061-000173-025 Joyce Ann and Gene Hebb Northeast Natural Energy LLC Deed 1514/604 WV-061-000173-025 Joyce Ann and Gene Hebb Northeast Natural Energy LLC Deed 1514/604 WV-061-000173-025 Pariel S. and Zenda L. Rush Northeast Natural Energy LLC Deed 1514/604 WV-061-000173-025 Pariel S. and Zenda L. Rush N					
WV-061-000173-002 Walter Kevin and Maureen L. Huffman		The Clarence Llyod Tennant Estate, by Betty			
WW-061-000173-002 Judith Ann and Alan Munkittrick University U		<u> </u>			
WV-061-000173-002 Walter Kewin and Maureen L. Huffman Northeast Natural Energy LLC 0.125 or Greater 1431/206 Lavere Josephine Mason a/Nys Lavere Jown Northeast Natural Energy LLC 0.125 or Greater 1431/206 WV-061-000173-001 Peggy A. Mason Northeast Natural Energy LLC 0.125 or Greater 1431/836 WV-061-000173-011 Peggy A. Mason Northeast Natural Energy LLC 0.125 or Greater 1437/836 WV-061-000173-013 Peggy A. Mason Northeast Natural Energy LLC 0.125 or Greater 1437/836 WV-061-000173-019 Billie C. and Marjorie G. Tennant Northeast Natural Energy LLC 0.125 or Greater 1437/836 WV-061-000173-020 Windows Northeast Natural Energy LLC 0.125 or Greater 1437/836 WV-061-000173-022 William M. Mason Northeast Natural Energy LLC 0.125 or Greater 1437/836 WV-061-000173-024 William M. Mason Northeast Natural Energy LLC 0.125 or Greater 1437/836 WV-061-000173-024 Glark D. Silles Northeast Natural Energy LLC 0.125 or Greater 1437/836 WV-061-000173-024 Clark D. Silles Northeast Natural Energy LLC 0.125 or Greater 1437/836 WV-061-000173-025 Olive Ann and Gene Hebb Northeast Natural Energy LLC 0.125 or Greater 1437/644 WV-061-000173-027 Olive Ann and Gene Hebb Northeast Natural Energy LLC 0.125 or Greater 1437/644 WV-061-000173-027 Olive Ann and Gene Hebb Northeast Natural Energy LLC 0.125 or Greater 1437/644 WV-061-000173-027 Pemels S. and Elman L. Rush Northeast Natural Energy LLC 0.125 or Greater 1437/644 WV-061-000173-027 Pemels S. and Elman L. Rush Northeast Natural Energy LLC 0.125 or Greater 1437/645 WV-061-000173-031 Anna Carlon L. Rush Northeast Natural Energy LLC 0.125 or Greater 1437/645 WV-061-000173-031 Anna Carlon L. Rush Northeast Natural Energy LLC 0.125 or Greater 1437/645 WV-061-000173-032 Anna Malen L. Rush Northeast Natural Energy LLC 0.125 or Greater 1537/658 WV-061-000173-034 WV-061-000173-034 WV-061-000173-034 VW-061-000					
WW-061-000173-004			<u> </u>		
W-V-061-000173-011 Northeast Natural Energy LLC 0.125 or Greater 1431/184 W-V-061-000173-011 Peggy A Mason Northeast Natural Energy LLC 0.125 or Greater 1437/836 W-V-061-000173-019 Billie C. and Marjorie G. Tennant Northeast Natural Energy LLC 0.125 or Greater 1437/836 W-V-061-000173-020 Byron J. and Phyllis Robiston Northeast Natural Energy LLC 0.125 or Greater 1437/836 W-V-061-000173-022 Milliam M. Mason Northeast Natural Energy LLC Deed 1516/0840 W-V-061-000173-022 Milliam M. Mason Northeast Natural Energy LLC Deed 1514/640 W-V-061-000173-024 Betty Lou Tennant Straight Northeast Natural Energy LLC Deed 1514/640 W-V-061-000173-025 Joyce Ann and Gene Hebb Northeast Natural Energy LLC Deed 1514/648 W-V-061-000173-025 Joyce Ann and Gene Hebb Northeast Natural Energy LLC Deed 1514/648 W-V-061-000173-027 Joyce Ann and Gene Hebb Northeast Natural Energy LLC Deed 1514/648 W-V-061-000173-027 Sephine S. and Zana L. Rush Northeast Natural Energy LLC Deed 1514/636 W-V-061-000173-027 Power Ann and Gene Hebb Northeast Natural Energy LLC Deed 1514/636 W-V-061-000173-029 Pamela S. and Richard A. Poling Northeast Natural Energy LLC Deed 1514/601 W-V-061-000173-030 John D. and Frances B. Silles Northeast Natural Energy LLC Deed 1514/615 W-V-061-000173-031 Anita K. and Nicholas P. Furfari Northeast Natural Energy LLC Deed 1514/615 W-V-061-000173-033 Melania Myers Key Northeast Natural Energy LLC Deed 1514/612 W-V-061-000173-034 General Myers Review Northeast Natural Energy LLC Deed 1514/612 W-V-061-000173-035 Melania Myers Review Northeast Natural Energy LLC Deed 1514/612 W-V-061-000173-036 Melania Myers Review Northeast Natural Energy LLC Deed 1514/622 W-V-061-000173-036 Melania Myers Review Northeast Natural Energy LLC Deed 1514/636 W-V-061-000173-036 Beth Ann and James A. Rouse Northeast Natural Energy LLC Deed 1514/636		<u> </u>		0.125 or Greater	
WV-061-000173-017	WV-061-000173-004		Northeast Natural Energy LLC	0.125 or Greater	1431/206
WV-061-000173-012 Deggy A. Mason Northeast Natural Energy LLC 0.125 or Greater 1437/826 WV-061-000173-020 Spiller C. and Marjorie G. Tennant Northeast Natural Energy LLC 0.125 or Greater 1437/826 WV-061-000173-022 Wilman M. Mason Northeast Natural Energy LLC 0.125 or Greater 1437/826 WV-061-000173-022 Wilman M. Mason Northeast Natural Energy LLC 0.225 or Greater 1437/826 WV-061-000173-023 Wilman M. Mason Northeast Natural Energy LLC 0.225 or Greater 1437/826 WV-061-000173-024 Use		Lavere Josephine Mason a/k/a Lavere Jo			
WV-061-000173-012 Billie C. and Marjorie G. Tennant Northeast Natural Energy LLC 0.125 or Greater 1437/826 WV-061-000173-022 Margaret Anne Stiles Northeast Natural Energy LLC Deed 1514/640 WV-061-000173-023 William M. Mason Northeast Natural Energy LLC Deed 1514/640 WV-061-000173-023 William M. Mason Northeast Natural Energy LLC Deed 1514/640 WV-061-000173-024 Betty Lou Tennant Straight Northeast Natural Energy LLC Deed 1514/648 WV-061-000173-025 Joyce Ann and Gene Hebb Northeast Natural Energy LLC Deed 1514/648 WV-061-000173-026 Clark D. Stiles Northeast Natural Energy LLC Deed 1514/636 WV-061-000173-027 Josephine S. and Zane L. Rush Northeast Natural Energy LLC Deed 1514/636 WV-061-000173-027 Josephine S. and Zane L. Rush Northeast Natural Energy LLC Deed 1514/636 WV-061-000173-028 Frank D. and Drorothy M. Vassalo Northeast Natural Energy LLC Deed 1514/636 WV-061-000173-030 John D. and Frances B. Stiles Northeast Natural Energy LLC Deed 1514/616 WV-061-000173-031 Anita K. and Nicholas P. Furfari Northeast Natural Energy LLC Deed 1514/616 WV-061-000173-033 Mare J. Avasalo Northeast Natural Energy LLC Deed 1514/616 WV-061-000173-033 Mare J. Avasalo Northeast Natural Energy LLC Deed 1514/616 WV-061-000173-035 Mary Louise and Raymond Stiles Northeast Natural Energy LLC Deed 1516/0836 WV-061-000173-036 Dolores Jean Hockenberry Northeast Natural Energy LLC Deed 1516/0836 WV-061-000173-037 WV-061-000173-038 WV-061-000173-039 Beth Anna and James E. Parsons Northeast Natural Energy LLC Deed 1515/0557 Diane Marle WV-061-000173-039 Beth Anna and James A. Rouse Northeast Natural Energy LLC Deed 1515/0558 WV-061-000173-039 Beth Anna and James A. Rouse Northeast Natural Energy LLC Deed 1515/0559 WV-061-000173-039 Beth Anna and James A. Rouse Northeast Natural Energy LLC Deed 1515/0559 Diane L and Rajblo D. Smith Nort					
WV-051-000173-020 Byron J. and Phylis Robsion Northeast Natural Energy LLC Deed 1515/0840 WV-051-000173-022 William M. Mason Northeast Natural Energy LLC Deed 1514/640 WV-061-000173-024 William M. Mason Northeast Natural Energy LLC Deed 1514/640 WV-061-000173-024 Betty Lou Tennant Straight Northeast Natural Energy LLC Deed 1514/644 WV-061-000173-026 Clark D. Stlles Northeast Natural Energy LLC Deed 1514/648 WV-061-000173-027 Spephine S. and Zane L. Rush Northeast Natural Energy LLC Deed 1514/661 WV-061-000173-028 Frank D. and Dorothy M. Vassalo Northeast Natural Energy LLC Deed 1514/601 WV-061-000173-029 Pamela S. and Richard A. Poling Northeast Natural Energy LLC Deed 1514/610 WV-061-000173-032 James Jay Vassalo Northeast Natural Energy LLC Deed 1514/612 WV-061-000173-033 Melanie Myers Key Northeast Natural Energy LLC Deed 1523/363 WV-061-000173-034 Gran J. and James E. Parsons Northeast Natural Energy LLC Deed		1		0.125 or Greater	1437/836
WV-061-000173-022 Wargaret Anne Stiles Northeast Natural Energy LLC Deed 1514/640 WV-061-000173-023 Betty Lou Tennant Straight Northeast Natural Energy LLC Deed 1514/640 WV-061-000173-024 Betty Lou Tennant Straight Northeast Natural Energy LLC Deed 1514/640 WV-061-000173-025 Joyce Ann and Gene Hebb Northeast Natural Energy LLC Deed 1514/636 WV-061-000173-026 Clark D. Stiles Northeast Natural Energy LLC Deed 1514/636 WV-061-000173-026 Clark D. Stiles Northeast Natural Energy LLC Deed 1514/636 WV-061-000173-027 Josephine S. and Zane L. Rush Northeast Natural Energy LLC Deed 1514/636 WV-061-000173-028 Frank D. and Dorothy M. Vassalo Northeast Natural Energy LLC Deed 1514/636 WV-061-000173-032 James S. and Richard A. Poling Northeast Natural Energy LLC Deed 1514/636 WV-061-000173-032 James Jay Vassalo Northeast Natural Energy LLC Deed 1514/636 WV-061-000173-033 James Jay Vassalo Northeast Natural Energy LLC Deed 1523/367 WV-061-000173-033 James Jay Vassalo Northeast Natural Energy LLC Deed 1523/363 WV-061-000173-033 James Jay Vassalo Northeast Natural Energy LLC Deed 1514/122 WV-061-000173-033 James Jay Vassalo Northeast Natural Energy LLC Deed 1514/122 WV-061-000173-035 James Jay Vassalo Northeast Natural Energy LLC Deed 1514/122 WV-061-000173-035 Deed Deed Deed 1514/122 WV-061-000173-036 Deed D					
WV-061-000173-023 William M. Mason Northeast Natural Energy LLC Deed 1514/640 WV-061-000173-025 Joyce Ann and Gene Hebb Northeast Natural Energy LLC Deed 1514/648 WV-061-000173-025 Joyce Ann and Gene Hebb Northeast Natural Energy LLC Deed 1514/648 WV-061-000173-027 Josephine S. and Zana L. Rush Northeast Natural Energy LLC Deed 1514/651 WV-061-000173-027 Josephine S. and Zana L. Rush Northeast Natural Energy LLC Deed 1514/651 WV-061-000173-029 Frank D. and Dorothy M. Vassalo Northeast Natural Energy LLC Deed 1523/371 WV-061-000173-030 John D. and Frances B. Stilles Northeast Natural Energy LLC Deed 1514/651 WV-061-000173-030 John D. and Frances B. Stilles Northeast Natural Energy LLC Deed 1514/651 WV-061-000173-030 John D. and Frances B. Stilles Northeast Natural Energy LLC Deed 1523/367 WV-061-000173-031 Anita K. and Nicholas P. Furfari Northeast Natural Energy LLC Deed 1523/367 WV-061-000173-033 Manie Myers Key Northeast Natural Energy LLC Deed 1514/0836 WV-061-000173-035 Mary Louise and Raymond Stilles Northeast Natural Energy LLC Deed 1514/0836 WV-061-000173-035 Obiones Jean Hockenberry Northeast Natural Energy LLC Deed 1510/0651 WV-061-000173-035 Obiones Jean Hockenberry Northeast Natural Energy LLC Deed 1510/0651 WV-061-000173-037 Spolk Spolk WV-061-000173-038 Beth Ann and James A. Rouse Northeast Natural Energy LLC Deed 1510/0651 WV-061-000173-039 Beth Ann and James A. Rouse Northeast Natural Energy LLC Deed 1516/0838 WV-061-000173-042 Zenhary L. Mason Northeast Natural Energy LLC Deed 1516/0838 WV-061-000173-042 Zenhary L. Mason Northeast Natural Energy LLC Deed 1516/0838 WV-061-000173-043 Paulette Park Northeast Natural Energy LLC Deed 1516/0838 WV-061-000173-044 Control of Spolk WV-061-000173-045 Dead 1516/0839 Spolk WV-061-000173-046 Gene Land Rajho D. Smith Northeast Natural Energy LLC D		<u> </u>		0.125 or Greater	
WV-061-000173-025 Deed 1514/648 WV-061-000173-025 Oped 1514/648 WV-061-000173-025 Oped 1514/648 WV-061-000173-025 Oped 1514/648 WV-061-000173-025 Oped 1514/648 WV-061-000173-027 Oped 1514/636 Overheast Natural Energy LLC Deed 1514/636 WV-061-000173-027 Oped 1514/636 Overheast Natural Energy LLC Deed 1514/636 WV-061-000173-029 Pamela S. and Richard A. Poling Northeast Natural Energy LLC Deed 1523/371 WV-061-000173-030 John D. and Frances B. Sitles Northeast Natural Energy LLC Deed 1514/612 WV-061-000173-030 John D. and Frances B. Sitles Northeast Natural Energy LLC Deed 1514/618 WV-061-000173-031 Anita K. and Nicholas P. Furfari Northeast Natural Energy LLC Deed 1523/367 WV-061-000173-032 James Jay Vassalo Northeast Natural Energy LLC Deed 1523/367 WV-061-000173-033 Melanie Myers Key Northeast Natural Energy LLC Deed 1514/122 WV-061-000173-033 Melanie Myers Key Northeast Natural Energy LLC Deed 1516/0836 WV-061-000173-035 Olores Jean Hockenberry Northeast Natural Energy LLC Deed 1516/0836 WV-061-000173-035 Olores Jean Hockenberry Northeast Natural Energy LLC Deed 1510/657 Upone Marie Myers, f/k/a Diane Marie Northeast Natural Energy LLC Deed 1516/0651 WV-061-000173-036 Deed Stave		· · · · · · · · · · · · · · · · · · ·		Deed	
WV-061-000173-025 Joyce Am and Gene Hebb Northeast Natural Energy LLC Deed 1514/636 WV-061-000173-026 Clark D. Stiles Northeast Natural Energy LLC Deed 1514/636 WV-061-000173-027 Josephine S. and Zane L. Rush Northeast Natural Energy LLC Deed 1514/636 WV-061-000173-029 Frank D. and Dorothy M. Vassalo Northeast Natural Energy LLC Deed 1523/371 WV-061-000173-030 John D. and Frances B. Stiles Northeast Natural Energy LLC Deed 1514/026 WV-061-000173-030 John D. and Frances B. Stiles Northeast Natural Energy LLC Deed 1523/363 WV-061-000173-031 Anita K. and Nicholas P. Furfari Northeast Natural Energy LLC Deed 1523/363 WV-061-000173-032 James Jay Vassalo Northeast Natural Energy LLC Deed 1523/363 WV-061-000173-032 James Jay Vassalo Northeast Natural Energy LLC Deed 1523/363 WV-061-000173-034 Garol J. and James E. Parsons Northeast Natural Energy LLC Deed 1514/122 WV-061-000173-035 May Louise and Raymond Stiles Northeast Natural Energy LLC Deed 1516/0836 WV-061-000173-035 May Louise and Raymond Stiles Northeast Natural Energy LLC Deed 1510/0657 WV-061-000173-037 Sypota Stiles Northeast Natural Energy LLC Deed 1510/0657 WV-061-000173-038 May Louise and Raymond Stiles Northeast Natural Energy LLC Deed 1515/569 WV-061-000173-039 Beth Ann and James A. Rouse Northeast Natural Energy LLC Deed 1515/569 WV-061-000173-039 Beth Ann and James A. Rouse Northeast Natural Energy LLC Deed 1515/0536 WV-061-000173-040 Gine L. and Ralph O. Smith Northeast Natural Energy LLC Deed 1516/038 WV-061-000173-040 Gine L. and Ralph O. Smith Northeast Natural Energy LLC Deed 1516/238 WV-061-000173-040 Gine L. and Ralph O. Smith Northeast Natural Energy LLC Deed 1574/548 WV-061-000173-040 Gine L. and Ralph O. Smith Northeast Natural Energy LLC Deed 1574/548 WV-061-000173-040 Gine L. and Ralph O. Smith Northeast Natural Energy LLC Deed 157	WV-061-000173-023		Northeast Natural Energy LLC	Deed	1514/640
WV-061-000173-027 Josephine S. and Zane L. Rush Northeast Natural Energy LLC Deed 1514/636 WV-061-000173-027 Josephine S. and Zane L. Rush Northeast Natural Energy LLC Deed 1514/601 WV-061-000173-028 Frank D. and Dorothy M. Vassalo Northeast Natural Energy LLC Deed 1513/601 WV-061-000173-030 John D. and Frances B. Stiles Northeast Natural Energy LLC Deed 1517/0026 WV-061-000173-030 John D. and Frances B. Stiles Northeast Natural Energy LLC Deed 1514/616 WV-061-000173-031 Anita K. and Nicholas P. Furfari Northeast Natural Energy LLC Deed 1523/367 WV-061-000173-032 James Jay Vassalo Northeast Natural Energy LLC Deed 1523/367 WV-061-000173-033 Melanie Myers Key Northeast Natural Energy LLC Deed 1514/122 WV-061-000173-034 Carol J. and James E. Parsons Northeast Natural Energy LLC Deed 1516/0836 WV-061-000173-035 Mary Louise and Raymond Stiles Northeast Natural Energy LLC Deed 1517/0001 WV-061-000173-036 Doirces Jean Hockenberry Northeast Natural Energy LLC Deed 1511/0651 WV-061-000173-038 Sypolt Northeast Natural Energy LLC Deed 1511/0657 WV-061-000173-039 Beth Ann and James A. Rouse Northeast Natural Energy LLC Deed 1515/0636 WV-061-000173-040 Gregory C. Mason Northeast Natural Energy LLC Deed 1515/0636 WV-061-000173-041 Zahary L. Masson Northeast Natural Energy LLC Deed 1515/0636 WV-061-000173-043 Gregory C. Mason Northeast Natural Energy LLC Deed 1514/538 WV-061-000173-044 Gregory C. Mason Northeast Natural Energy LLC Deed 1514/538 WV-061-000173-045 Donna C. Millier Northeast Natural Energy LLC Deed 1574/538 WV-061-000173-045 Donna C. Millier Northeast Natural Energy LLC Deed 1574/538 WV-061-000173-045 Donna C. Millier Northeast Natural Energy LLC Deed 1574/538 WV-061-000159-000 Gregory C. Mason Northeast Natural Energy LLC Deed 1574/538 WV-061-000159-000 Beat Ann and James A. Rouse Northeast Natural			Northeast Natural Energy LLC	Deed	1514/644
WV-061-000173-027 Josephine S. and Zane L. Rush Northeast Natural Energy LLC Deed 1514/601 WV-061-000173-029 Pamels S. and Richard A. Poling Northeast Natural Energy LLC Deed 1513/371 WV-061-000173-039 John D. and Frances B. Stiles Northeast Natural Energy LLC Deed 1514/616 WV-061-000173-031 Anita K. and Nicholas P. Furfari Northeast Natural Energy LLC Deed 1514/616 WV-061-000173-032 James Jay Vassalo Northeast Natural Energy LLC Deed 1523/363 WV-061-000173-032 James Jay Vassalo Northeast Natural Energy LLC Deed 1523/363 WV-061-000173-034 Carol J. and James E. Parsons Northeast Natural Energy LLC Deed 1514/122 Deed 1514/122 Deed D	WV-061-000173-025	Joyce Ann and Gene Hebb	Northeast Natural Energy LLC	Deed	1514/648
WV-061-000173-028 Frank D. and Dorothy M. Vassalo Northeast Natural Energy LLC Deed 1523/371 WV-061-000173-030 John D. and Frances B. Stiles Northeast Natural Energy LLC Deed 1517/0026 WV-061-000173-031 John D. and Frances B. Stiles Northeast Natural Energy LLC Deed 1523/367 WV-061-000173-032 James Jay Vassalo Northeast Natural Energy LLC Deed 1523/363 WV-061-000173-033 Melanie Myers Key Northeast Natural Energy LLC Deed 1523/363 WV-061-000173-034 Mary Louise and Raymond Stiles Northeast Natural Energy LLC Deed 1516/0836 WV-061-000173-035 Mary Louise and Raymond Stiles Northeast Natural Energy LLC Deed 1510/0836 WV-061-000173-036 Johne Marie Myers, f/k/a Diane Marie Sypolt Northeast Natural Energy LLC Deed 1510/0651 WV-061-000173-037 Byoh WV-061-000173-040 Beth Ann and James A. Rouse Northeast Natural Energy LLC Deed 1515/569 WV-061-000173-040 Gregory C. Mason Northeast Natural Energy LLC Deed 1574/545 WV-061-000173-04	WV-061-000173-026	Clark D. Stiles	Northeast Natural Energy LLC	Deed	1514/636
WV-061-000173-029 Pamela S. and Richard A. Poling Northeast Natural Energy LLC Deed 1517/0026 WV-061-000173-031 John D. and Frances B. Stiles Northeast Natural Energy LLC Deed 1514/616 WV-061-000173-032 John D. and Frances B. Stiles Northeast Natural Energy LLC Deed 1523/367 WV-061-000173-031 Ainta K. and Nicholas P. Furfari Northeast Natural Energy LLC Deed 1523/363 WV-061-000173-032 Melanie Myers Key Northeast Natural Energy LLC Deed 1514/122 WV-061-000173-033 Mary Louise and Raymond Stiles Northeast Natural Energy LLC Deed 1517/0001 WV-061-000173-035 Mary Louise and Raymond Stiles Northeast Natural Energy LLC Deed 1510/657 WV-061-000173-037 Mary Louise and Raymond Stiles Northeast Natural Energy LLC Deed 1510/657 WV-061-000173-030 Mary Louise and Raymond Stiles Northeast Natural Energy LLC Deed 1510/657 WV-061-000173-040 Gina L. and Ralph O. Smith Northeast Natural Energy LLC Deed 1510/651 WV-061-000173-041 Gina L. and Ralph O. Smith <t< td=""><td>WV-061-000173-027</td><td>Josephine S. and Zane L. Rush</td><td>Northeast Natural Energy LLC</td><td>Deed</td><td>1514/601</td></t<>	WV-061-000173-027	Josephine S. and Zane L. Rush	Northeast Natural Energy LLC	Deed	1514/601
WV-061-000173-030 John D. and Frances B. Stiles Northeast Natural Energy LLC Deed 1514/616 WV-061-000173-032 Anita K. and Nicholas P. Furfari Northeast Natural Energy LLC Deed 1523/367 WV-061-000173-032 Amas Bay Vassalo Northeast Natural Energy LLC Deed 1523/363 WV-061-000173-033 Melanie Myers Key Northeast Natural Energy LLC Deed 1514/122 WV-061-000173-035 May Louise and Raymond Stiles Northeast Natural Energy LLC Deed 1516/0836 WV-061-000173-035 May Louise and Raymond Stiles Northeast Natural Energy LLC Deed 1510/657 WV-061-000173-035 May Louise and Raymond Stiles Northeast Natural Energy LLC Deed 1510/657 WV-061-000173-037 Sypolt Northeast Natural Energy LLC Deed 1510/651 WV-061-000173-038 Beth Ann and James A. Rouse Northeast Natural Energy LLC Deed 1515/569 WV-061-000173-041 Zachary L. Mason Northeast Natural Energy LLC Deed 1516/283 WV-061-000173-042 Gregory C. Mason Northeast Natural Energy LLC 0.125 or Greater<	WV-061-000173-028		Northeast Natural Energy LLC	Deed	1523/371
WV-061-000173-031 Anita K. and Nicholas P. Furfari Northeast Natural Energy LLC Deed 1523/367 WV-061-000173-032 James Jay Vassalo Northeast Natural Energy LLC Deed 1523/363 WV-061-000173-033 Melanie Myers Key Northeast Natural Energy LLC Deed 1514/022 WV-061-000173-034 Carol J. and James E. Parsons Northeast Natural Energy LLC Deed 1516/0836 WV-061-000173-035 Mary Louise and Raymond Stiles Northeast Natural Energy LLC Deed 1517/0001 WV-061-000173-035 Dolores Jean Hockenberry Northeast Natural Energy LLC Deed 1510/657 WV-061-000173-035 Sypolt Northeast Natural Energy LLC Deed 1510/657 WV-061-000173-039 Beth Ann and James A. Rouse Northeast Natural Energy LLC Deed 1515/569 WV-061-000173-040 Gina L. and Ralph O. Smith Northeast Natural Energy LLC Deed 1520/298 WV-061-000173-042 Gregory C. Mason Northeast Natural Energy LLC 0.125 or Greater 1566/283 WV-061-000173-043 Paulette Park Northeast Natural Energy LLC 0.125 or Grea	WV-061-000173-029		Northeast Natural Energy LLC	Deed	1517/0026
WV-061-000173-032 James Jay Vassalo Northeast Natural Energy LLC Deed 1523/363 WV-061-000173-033 Melanie Myers Key Northeast Natural Energy LLC Deed 1514/122 WV-061-000173-033 Melanie Myers Key Northeast Natural Energy LLC Deed 1516/0836 WV-061-000173-035 Mary Louise and Raymond Stiles Northeast Natural Energy LLC Deed 1517/0801 WV-061-000173-036 Dolores Jean Hockenberry Northeast Natural Energy LLC Deed 1510/657 WV-061-000173-037 Sypolt Northeast Natural Energy LLC Deed 1510/656 WV-061-000173-038 Thomas David Stiles Northeast Natural Energy LLC Deed 1515/0536 WV-061-000173-039 Beth Ann and James A. Rouse Northeast Natural Energy LLC Deed 1515/0536 WV-061-000173-041 Cachary L. Mason Northeast Natural Energy LLC Deed 1520/038 WV-061-000173-042 Gregory C. Mason Northeast Natural Energy LLC 0.125 or Greater 1566/202 WV-061-000173-043 Gregory C. Mason Northeast Natural Energy LLC Deed 1574/538 <td>WV-061-000173-030</td> <td>John D. and Frances B. Stiles</td> <td>Northeast Natural Energy LLC</td> <td>Deed</td> <td>1514/616</td>	WV-061-000173-030	John D. and Frances B. Stiles	Northeast Natural Energy LLC	Deed	1514/616
WV-061-000173-033 Melanie Myers Key Northeast Natural Energy LLC Deed 1514/122 WV-061-000173-035 Mary Louise and Raymond Stiles Northeast Natural Energy LLC Deed 1516/0836 WV-061-000173-035 Dolores Jean Hockenberry Northeast Natural Energy LLC Deed 1510/657 WV-061-000173-036 Dolores Jean Hockenberry Northeast Natural Energy LLC Deed 1510/657 WV-061-000173-037 Diane Marie Myers, f/k/a Diane Marie Northeast Natural Energy LLC Deed 1510/661 WV-061-000173-038 Thomas David Stiles Northeast Natural Energy LLC Deed 1515/559 WV-061-000173-0493 Beth Ann and James A. Rouse Northeast Natural Energy LLC Deed 1515/559 WV-061-000173-0404 Gina L. and Ralph O. Smith Northeast Natural Energy LLC Deed 1520/298 WV-061-000173-041 Zachary L. Mason Northeast Natural Energy LLC 0.125 or Greater 1566/283 WV-061-000173-042 Gregory C. Mason Northeast Natural Energy LLC 0.125 or Greater 1566/202 WV-061-000173-045 Donna C. Miller Northeast Natural Energy LLC	WV-061-000173-031	Anita K. and Nicholas P. Furfari	Northeast Natural Energy LLC	Deed	1523/367
WV-061-000173-034 Carol J. and James E. Parsons Northeast Natural Energy LLC Deed 1516/0836 WV-061-000173-035 Mary Louise and Raymond Stiles Northeast Natural Energy LLC Deed 1517/0001 WV-061-000173-036 Dolores Jean Hockenberry Northeast Natural Energy LLC Deed 1510/657 WV-061-000173-037 Sypolt Northeast Natural Energy LLC Deed 1510/657 WV-061-00173-038 Thomas David Stiles Northeast Natural Energy LLC Deed 1515/0569 WV-061-000173-039 Beth Ann and James A. Rouse Northeast Natural Energy LLC Deed 1515/0536 WV-061-000173-040 Gina L. and Ralph O. Smith Northeast Natural Energy LLC Deed 1520/298 WV-061-000173-042 Gregory C. Mason Northeast Natural Energy LLC 0.125 or Greater 1566/283 WV-061-000173-043 Gregory C. Mason Northeast Natural Energy LLC 0.125 or Greater 1566/202 WV-061-000173-044 Gordon E. Park Northeast Natural Energy LLC 0.125 or Greater 1886/514 WV-061-001059-001 Terrance W. and Joy L. Mason Northeast Natural Energy LLC	WV-061-000173-032	James Jay Vassalo	Northeast Natural Energy LLC	Deed	1523/363
WV-061-000173-035 Mary Louise and Raymond Stiles Northeast Natural Energy LLC Deed 1517/0001 WV-061-000173-036 Dolores Jean Hockenberry Northeast Natural Energy LLC Deed 1510/657 WV-061-000173-037 Diane Marie Myers, f/k/a Diane Marie Northeast Natural Energy LLC Deed 1510/661 WV-061-000173-038 Thomas David Stiles Northeast Natural Energy LLC Deed 1515/569 WV-061-000173-039 Beth Ann and James A. Rouse Northeast Natural Energy LLC Deed 1520/298 WV-061-000173-040 Gina L. and Ralph O. Smith Northeast Natural Energy LLC Deed 1520/298 WV-061-000173-041 Zachary L. Mason Northeast Natural Energy LLC Deed 1526/202 WV-061-000173-042 Gregory C. Mason Northeast Natural Energy LLC 0.125 or Greater 1566/202 WV-061-000173-043 Paulette Park Northeast Natural Energy LLC 0.125 or Greater 1566/202 WV-061-000173-045 Gonnie C. Sutton Northeast Natural Energy LLC 0.125 or Greater 1589/514 WV-061-001059-001 Terrance W. and Joy L. Mason Northeast Natural Ener	WV-061-000173-033	Melanie Myers Key	Northeast Natural Energy LLC	Deed	1514/122
WV-061-000173-036 Dolores Jean Hockenberry Northeast Natural Energy LLC Deed 1510/657 WV-061-000173-037 Diane Marie Myers, f/k/a Diane Marie Northeast Natural Energy LLC Deed 1510/661 WV-061-000173-038 Thomas David Stiles Northeast Natural Energy LLC Deed 1515/569 WV-061-000173-039 Beth Ann and James A. Rouse Northeast Natural Energy LLC Deed 1520/298 WV-061-000173-040 Gina L. and Ralph O. Smith Northeast Natural Energy LLC Deed 1520/298 WV-061-000173-042 Gregory C. Mason Northeast Natural Energy LLC 0.125 or Greater 1566/283 WV-061-000173-043 Paulette Park Northeast Natural Energy LLC Deed 1574/538 WV-061-000173-043 Gregory C. Mason Northeast Natural Energy LLC Deed 1574/538 WV-061-000173-043 Grodon E. Park Northeast Natural Energy LLC Deed 1574/538 WV-061-000173-045 Gonnie C. Sutton Northeast Natural Energy LLC 0.125 or Greater 1588/514 WV-061-001059-001 Terrance W. and Joy L. Mason Northeast Natural Energy LLC 0.125	WV-061-000173-034	Carol J. and James E. Parsons	Northeast Natural Energy LLC	Deed	1516/0836
Diane Marie Myers, f/k/a Diane Marie WV-061-000173-037 Sypolt Northeast Natural Energy LLC Deed 1510/661 WV-061-000173-038 Thomas David Stiles Northeast Natural Energy LLC Deed 1515/569 WV-061-000173-040 Beth Ann and James A. Rouse Northeast Natural Energy LLC Deed 1515/569 WV-061-000173-040 Gina L. and Ralph O. Smith Northeast Natural Energy LLC Deed 1520/298 WV-061-000173-041 Zachary L. Mason Northeast Natural Energy LLC Deed 1520/298 WV-061-000173-042 Gregory C. Mason Northeast Natural Energy LLC D.125 or Greater 1566/283 WV-061-000173-042 Gregory C. Mason Northeast Natural Energy LLC Deed 1574/545 WV-061-000173-044 Gordon E. Park Northeast Natural Energy LLC Deed 1574/545 WV-061-000173-045 Donna C. Miller Northeast Natural Energy LLC Deed 1574/545 WV-061-000173-045 Donna C. Miller Northeast Natural Energy LLC D.125 or Greater 1586/514 WV-061-000173-046 Connie C. Sutton Northeast Natural Energy LLC D.125 or Greater 1588/514 WV-061-001059-001 Terrance W. and Joy L. Mason Northeast Natural Energy LLC D.125 or Greater 1486/626 WV-061-001059-003 Debra L. and Bradley S. Frazier Northeast Natural Energy LLC D.125 or Greater 1486/628 WV-061-001059-004 Beth Ann and James A. Rouse Northeast Natural Energy LLC D.125 or Greater 1486/630 WV-061-001059-005 Beverly Howard Northeast Natural Energy LLC D.125 or Greater 1486/579 WV-061-001059-007 Sandra Lee Woods Northeast Natural Energy LLC Deed 1570/119 WV-061-003576-001 Quentin Dale Knight Northeast Natural Energy LLC Deed 1570/119 WV-061-003596-001 Reed Energy Services, LLC Northeast Natural Energy LLC Deed 1578/96 WV-061-00043-001 Reed Energy Services, LLC Northeast Natural Energy LLC Deed 1578/96 WV-061-000171-001 Read Energy Services, LLC Northeast Natural Energy LLC D.125 or Greater 1419/852 WV-061-000171-005 Northeast Natural Energy LLC D.125 or Greater 1419/8	WV-061-000173-035	Mary Louise and Raymond Stiles	Northeast Natural Energy LLC	Deed	1517/0001
WV-061-000173-037 Sypolt Northeast Natural Energy LLC Deed 1510/661 WV-061-000173-038 Thomas David Stiles Northeast Natural Energy LLC Deed 1515/569 WV-061-000173-039 Beth Ann and James A. Rouse Northeast Natural Energy LLC Deed 1515/0536 WV-061-000173-040 Gina L. and Ralph O. Smith Northeast Natural Energy LLC Deed 1520/298 WV-061-000173-041 Zachary L. Mason Northeast Natural Energy LLC 0.125 or Greater 1566/202 WV-061-000173-042 Gregory C. Mason Northeast Natural Energy LLC 0.125 or Greater 1566/202 WV-061-000173-043 Paulette Park Northeast Natural Energy LLC Deed 1574/538 WV-061-000173-044 Gordon E. Park Northeast Natural Energy LLC Deed 1574/545 WV-061-000173-045 Donna C. Miller Northeast Natural Energy LLC 0.125 or Greater 1586/214 WV-061-001059-001 Terrance W. and Joy L. Mason Northeast Natural Energy LLC 0.125 or Greater 1486/626 WV-061-001059-002 Gina Lou and Ralph O. Smith Northeast Natural Energy LLC 0.125 or	WV-061-000173-036	Dolores Jean Hockenberry	Northeast Natural Energy LLC	Deed	1510/657
WV-061-000173-038 Thomas David Stiles Northeast Natural Energy LLC Deed 1515/569 WV-061-000173-039 Beth Ann and James A. Rouse Northeast Natural Energy LLC Deed 1515/0536 WV-061-000173-040 Gina L. and Ralph O. Smith Northeast Natural Energy LLC Deed 1520/298 WV-061-000173-041 Zachary L. Mason Northeast Natural Energy LLC 0.125 or Greater 1566/283 WV-061-000173-042 Gregory C. Mason Northeast Natural Energy LLC Deed 1574/538 WV-061-000173-043 Paulette Park Northeast Natural Energy LLC Deed 1574/538 WV-061-000173-045 Gordon E. Park Northeast Natural Energy LLC Deed 1574/545 WV-061-000173-045 Connie C. Sutton Northeast Natural Energy LLC 0.125 or Greater 1586/514 WV-061-000173-045 Connie C. Sutton Northeast Natural Energy LLC 0.125 or Greater 1586/524 WV-061-001059-002 Gina Lou and Ralph O. Smith Northeast Natural Energy LLC 0.125 or Greater 1486/628 WV-061-001059-003 Beth Ann and James A. Rouse Northeast Natural Energy LLC <t< td=""><td></td><td>Diane Marie Myers, f/k/a Diane Marie</td><td></td><td></td><td></td></t<>		Diane Marie Myers, f/k/a Diane Marie			
WV-061-000173-038 Thomas David Stiles Northeast Natural Energy LLC Deed 1515/569 WV-061-000173-039 Beth Ann and James A. Rouse Northeast Natural Energy LLC Deed 1515/0536 WV-061-000173-040 Gina L. and Ralph O. Smith Northeast Natural Energy LLC Deed 1520/298 WV-061-000173-041 Zachary L. Mason Northeast Natural Energy LLC 0.125 or Greater 1566/283 WV-061-000173-042 Gregory C. Mason Northeast Natural Energy LLC Deed 1574/538 WV-061-000173-043 Paulette Park Northeast Natural Energy LLC Deed 1574/538 WV-061-000173-045 Gordon E. Park Northeast Natural Energy LLC Deed 1574/545 WV-061-000173-045 Connie C. Sutton Northeast Natural Energy LLC 0.125 or Greater 1586/514 WV-061-000173-045 Connie C. Sutton Northeast Natural Energy LLC 0.125 or Greater 1586/514 WV-061-001059-002 Gina Lo and Ralph O. Smith Northeast Natural Energy LLC 0.125 or Greater 1486/628 WV-061-001059-003 Beth Ann and James A. Rouse Northeast Natural Energy LLC <td< td=""><td>WV-061-000173-037</td><td>Sypolt</td><td>Northeast Natural Energy LLC</td><td>Deed</td><td>1510/661</td></td<>	WV-061-000173-037	Sypolt	Northeast Natural Energy LLC	Deed	1510/661
WV-061-000173-039 Beth Ann and James A. Rouse Northeast Natural Energy LLC Deed 1515/0536 WV-061-000173-040 Gina L. and Ralph O. Smith Northeast Natural Energy LLC Deed 1520/298 WV-061-000173-042 Gregory C. Mason Northeast Natural Energy LLC 0.125 or Greater 1566/283 WV-061-000173-042 Gregory C. Mason Northeast Natural Energy LLC 0.125 or Greater 1566/202 WV-061-000173-043 Paulette Park Northeast Natural Energy LLC Deed 1574/538 WV-061-000173-044 Gordon E. Park Northeast Natural Energy LLC Deed 1574/545 WV-061-000173-045 Donna C. Miller Northeast Natural Energy LLC 0.125 or Greater 1586/514 WV-061-001059-001 Terrance W. and Joy L. Mason Northeast Natural Energy LLC 0.125 or Greater 1486/626 WV-061-001059-002 Terrance W. and Joy L. Mason Northeast Natural Energy LLC 0.125 or Greater 1486/628 WV-061-001059-003 Debra L. and Bradley S. Frazier Northeast Natural Energy LLC 0.125 or Greater 1486/630 WV-061-001059-005 Beth Ann and James A. Rouse	WV-061-000173-038	Thomas David Stiles		Deed	1515/569
WV-061-000173-041 Zachary L. Mason Northeast Natural Energy LLC 0.125 or Greater 1566/283 WV-061-000173-042 Gregory C. Mason Northeast Natural Energy LLC 0.125 or Greater 1566/202 WV-061-000173-043 Paulette Park Northeast Natural Energy LLC Deed 1574/538 WV-061-000173-044 Gordon E. Park Northeast Natural Energy LLC Deed 1574/545 WV-061-000173-045 Donna C. Miller Northeast Natural Energy LLC 0.125 or Greater 1586/514 WV-061-000173-045 Connie C. Sutton Northeast Natural Energy LLC 0.125 or Greater 1589/245 WV-061-001059-001 Terrance W. and Joy L. Mason Northeast Natural Energy LLC 0.125 or Greater 1486/626 WV-061-001059-002 Gina Lou and Ralph O. Smith Northeast Natural Energy LLC 0.125 or Greater 1486/628 WV-061-001059-003 Debra L. and Bradley S. Frazier Northeast Natural Energy LLC 0.125 or Greater 1486/628 WV-061-001059-004 Beth Ann and James A. Rouse Northeast Natural Energy LLC 0.025 or Greater 1486/579 WV-061-001059-006 Beverly Howard <	WV-061-000173-039	Beth Ann and James A. Rouse	Northeast Natural Energy LLC	Deed	1515/0536
WV-061-000173-042 Gregory C. Mason Northeast Natural Energy LLC Deed 1574/538 WV-061-000173-043 Paulette Park Northeast Natural Energy LLC Deed 1574/538 WV-061-000173-044 Gordon E. Park Northeast Natural Energy LLC Deed 1574/545 WV-061-000173-045 Donna C. Miller Northeast Natural Energy LLC 0.125 or Greater 1586/514 WV-061-000173-046 Connie C. Sutton Northeast Natural Energy LLC 0.125 or Greater 1586/514 WV-061-001059-001 Terrance W. and Joy L. Mason Northeast Natural Energy LLC 0.125 or Greater 1486/626 WV-061-001059-002 Gina Lou and Ralph O. Smith Northeast Natural Energy LLC 0.125 or Greater 1486/628 WV-061-001059-003 Debra L. and Bradley S. Frazier Northeast Natural Energy LLC 0.125 or Greater 1486/630 WV-061-001059-004 Beth Ann and James A. Rouse Northeast Natural Energy LLC 0.125 or Greater 1486/579 WV-061-001059-006 Beverly Howard Northeast Natural Energy LLC Deed 1570/119 WV-061-001059-007 Sandra Lee Woods Northeast Natural Energy LLC Deed 1570/119 WV-061-003517-001 Quentin Dale Knight Northeast Natural Energy LLC Deed 1524/746 WV-061-00356-001 DWG Oil & Gas Acquisitions, LLC Northeast Natural Energy LLC Deed 1578/96 WV-061-001043-001 Reed Energy Services, LLC Northeast Natural Energy LLC Deed 1578/96 WV-061-001043-002 L.S. and Benitha Youst South Penn Oil Company 0.125 or Greater 1419/852 WV-061-000171-001 Judith T. Ammons Northeast Natural Energy LLC 0.125 or Greater 1419/852 WV-061-000171-002 Reta Meredith Erdos Northeast Natural Energy LLC 0.125 or Greater 1419/852 WV-061-000171-003 Peggy and Timothy C. Cale Northeast Natural Energy LLC 0.125 or Greater 1419/854 WV-061-000171-005 Noah Charles and Ruby A. Ammons Northeast Natural Energy LLC 0.125 or Greater 1419/843 WV-061-000171-007 Amanda L. Wilson Northeast Natural Energy LLC 0.125 or Greater 1419/843 WV-061-000171-007 Amanda L. Wilson Northeast Natural Energy LLC 0.125 or Greater 1419/843	WV-061-000173-040	Gina L. and Ralph O. Smith	Northeast Natural Energy LLC	Deed	1520/298
WV-061-000173-043 Paulette Park Northeast Natural Energy LLC Deed 1574/538 WV-061-000173-044 Gordon E. Park Northeast Natural Energy LLC Deed 1574/545 WV-061-000173-045 Donna C. Miller Northeast Natural Energy LLC 0.125 or Greater 1586/514 WV-061-001059-001 Terrance W. and Joy L. Mason Northeast Natural Energy LLC 0.125 or Greater 1589/245 WV-061-001059-002 Gina Lou and Ralph O. Smith Northeast Natural Energy LLC 0.125 or Greater 1486/626 WV-061-001059-002 Gina Lou and Ralph O. Smith Northeast Natural Energy LLC 0.125 or Greater 1486/630 WV-061-001059-003 Debra L. and Bradley S. Frazier Northeast Natural Energy LLC 0.125 or Greater 1486/630 WV-061-001059-004 Beth Ann and James A. Rouse Northeast Natural Energy LLC 0.125 or Greater 1486/579 WV-061-001059-006 Beverly Howard Northeast Natural Energy LLC Deed 1570/119 WV-061-001059-007 Sandra Lee Woods Northeast Natural Energy LLC Deed 1570/119 WV-061-003517-001 Quentin Dale Knight Northeast Natural Energy LLC Deed 1524/746 WV-061-003926-001 Reed Energy Services, LLC Northeast Natural Energy LLC Deed 1578/96 WV-61-001043-001 Reed Energy Services, LLC Northeast Natural Energy LLC Deed 1578/96 WV-61-001043-001 Reed Energy Services, LLC Northeast Natural Energy LLC Deed 1578/96 WV-061-001043-001 Randolph K. and Tamara S. Ammons Northeast Natural Energy LLC 0.125 or Greater 1419/852 WV-061-000171-001 Judith T. Ammons Northeast Natural Energy LLC 0.125 or Greater 1419/852 WV-061-000171-002 Reta Meredith Erdos Northeast Natural Energy LLC 0.125 or Greater 1419/854 WV-061-000171-005 Noah Charles and Ruby A. Ammons Northeast Natural Energy LLC 0.125 or Greater 1419/854 WV-061-000171-005 Lois Jean McCoy Northeast Natural Energy LLC 0.125 or Greater 1419/488	WV-061-000173-041	Zachary L. Mason	Northeast Natural Energy LLC	0.125 or Greater	1566/283
WV-061-000173-044 Gordon E. Park Northeast Natural Energy LLC Deed 1574/545 WV-061-000173-045 Donna C. Miller Northeast Natural Energy LLC 0.125 or Greater 1586/514 WV-061-000173-046 Connie C. Sutton Northeast Natural Energy LLC 0.125 or Greater 1589/245 WV-061-001059-001 Terrance W. and Joy L. Mason Northeast Natural Energy LLC 0.125 or Greater 1486/626 WV-061-001059-002 Gina Lou and Ralph O. Smith Northeast Natural Energy LLC 0.125 or Greater 1486/628 WV-061-001059-003 Debra L. and Bradley S. Frazier Northeast Natural Energy LLC 0.125 or Greater 1486/630 WV-061-001059-004 Beth Ann and James A. Rouse Northeast Natural Energy LLC 0.125 or Greater 1486/579 WV-061-001059-006 Beverly Howard Northeast Natural Energy LLC Deed 1570/119 WV-061-001059-007 Sandra Lee Woods Northeast Natural Energy LLC Deed 1570/119 WV-061-003517-001 Quentin Dale Knight Northeast Natural Energy LLC Deed 1524/746 WV-061-003576-001 DWG Oil & Gas Acquisitions, LLC NNE Properties LLC Deed 1501/788 WV-061-003926-001 Reed Energy Services, LLC Northeast Natural Energy LLC Deed 1578/96 WV-61-001043-002 Reed Energy Services, LLC Northeast Natural Energy LLC Deed 1578/96 WV-061-001043-002 L.S. and Benitha Youst South Penn Oil Company 0.125 or Greater 1575/542 WV-061-000171-001 Judith T. Ammons Northeast Natural Energy LLC 0.125 or Greater 1419/852 WV-061-000171-002 Reta Meredith Erdos Northeast Natural Energy LLC 0.125 or Greater 1419/854 WV-061-000171-005 Noah Charles and Ruby A. Ammons Northeast Natural Energy LLC 0.125 or Greater 1419/843 WV-061-000171-005 Lois Jean McCoy Northeast Natural Energy LLC 0.125 or Greater 1419/843 WV-061-000171-007 Amanda L. Wilson Northeast Natural Energy LLC 0.125 or Greater 1419/848	WV-061-000173-042	Gregory C. Mason	Northeast Natural Energy LLC	0.125 or Greater	1566/202
WV-061-000173-045 Donna C. Miller Northeast Natural Energy LLC 0.125 or Greater 1586/514 WV-061-000173-046 Connie C. Sutton Northeast Natural Energy LLC 0.125 or Greater 1589/245 WV-061-001059-001 Terrance W. and Joy L. Mason Northeast Natural Energy LLC 0.125 or Greater 1486/626 WV-061-001059-002 Gina Lou and Ralph O. Smith Northeast Natural Energy LLC 0.125 or Greater 1486/628 WV-061-001059-003 Debra L. and Bradley S. Frazier Northeast Natural Energy LLC 0.125 or Greater 1486/630 WV-061-001059-004 Beth Ann and James A. Rouse Northeast Natural Energy LLC 0.125 or Greater 1486/579 WV-061-001059-006 Beverly Howard Northeast Natural Energy LLC Deed 1570/119 WV-061-001059-007 Sandra Lee Woods Northeast Natural Energy LLC Deed 1570/119 WV-061-003517-001 Quentin Dale Knight Northeast Natural Energy LLC Deed 1570/179 WV-061-003576-001 DWG Oil & Gas Acquisitions, LLC NNE Properties LLC Deed 1501/788 WV-061-003926-001 Reed Energy Services, LLC Northeast Natural Energy LLC Deed 1578/96 WV-61-001043-002 L.S. and Benitha Youst South Penn Oil Company 0.125 or Greater 1575/542 WV-061-000171-001 Judith T. Ammons Northeast Natural Energy LLC 0.125 or Greater 1575/542 WV-061-000171-001 Reta Meredith Erdos Northeast Natural Energy LLC 0.125 or Greater 1419/852 WV-061-000171-003 Peggy and Timothy C. Cale Northeast Natural Energy LLC 0.125 or Greater 1419/850 WV-061-000171-005 Noah Charles and Ruby A. Ammons Northeast Natural Energy LLC 0.125 or Greater 1419/850 WV-061-000171-005 Noah Charles and Ruby A. Ammons Northeast Natural Energy LLC 0.125 or Greater 1419/848 WV-061-000171-007 Amanda L. Wilson Northeast Natural Energy LLC 0.125 or Greater 1420/498 WV-061-000171-007 Amanda L. Wilson Northeast Natural Energy LLC 0.125 or Greater 1420/488	WV-061-000173-043	Paulette Park	Northeast Natural Energy LLC	Deed	1574/538
WV-061-00173-046 Connie C. Sutton Northeast Natural Energy LLC 0.125 or Greater 1589/245 WV-061-001059-001 Terrance W. and Joy L. Mason Northeast Natural Energy LLC 0.125 or Greater 1486/626 WV-061-001059-002 Gina Lou and Ralph O. Smith Northeast Natural Energy LLC 0.125 or Greater 1486/628 WV-061-001059-003 Debra L. and Bradley S. Frazier Northeast Natural Energy LLC 0.125 or Greater 1486/630 WV-061-001059-004 Beth Ann and James A. Rouse Northeast Natural Energy LLC 0.125 or Greater 1486/579 WV-061-001059-006 Beverly Howard Northeast Natural Energy LLC Deed 1570/119 WV-061-001059-007 Sandra Lee Woods Northeast Natural Energy LLC Deed 1570/119 WV-061-003517-001 Quentin Dale Knight Northeast Natural Energy LLC Deed 1524/746 WV-061-003576-001 DWG Oil & Gas Acquisitions, LLC NNE Properties LLC Deed 1578/96 WV-061-003926-001 Reed Energy Services, LLC Northeast Natural Energy LLC Deed 1578/96 WV-061-001043-002 L.S. and Benitha Youst South Penn Oil Company 0.125 or Greater 1578/96 WV-061-000171-001 Judith T. Ammons Northeast Natural Energy LLC 0.125 or Greater 1419/854 WV-061-000171-002 Reta Meredith Erdos Northeast Natural Energy LLC 0.125 or Greater 1419/850 WV-061-000171-005 Noah Charles and Ruby A. Ammons Northeast Natural Energy LLC 0.125 or Greater 1419/843 WV-061-000171-005 Noah Charles and Ruby A. Ammons Northeast Natural Energy LLC 0.125 or Greater 1419/843 WV-061-000171-007 Amanda L. Wilson Northeast Natural Energy LLC 0.125 or Greater 1420/448	WV-061-000173-044	Gordon E. Park	Northeast Natural Energy LLC	Deed	1574/545
WV-061-001059-001 Terrance W. and Joy L. Mason Northeast Natural Energy LLC 0.125 or Greater 1486/626 WV-061-001059-002 Gina Lou and Ralph O. Smith Northeast Natural Energy LLC 0.125 or Greater 1486/628 WV-061-001059-003 Debra L. and Bradley S. Frazier Northeast Natural Energy LLC 0.125 or Greater 1486/630 WV-061-001059-004 Beth Ann and James A. Rouse Northeast Natural Energy LLC 0.125 or Greater 1486/579 WV-061-001059-006 Beverly Howard Northeast Natural Energy LLC Deed 1570/119 WV-061-001059-007 Sandra Lee Woods Northeast Natural Energy LLC Deed 1570/119 WV-061-003517-001 Quentin Dale Knight Northeast Natural Energy LLC Deed 1524/746 WV-061-003576-001 DWG Oil & Gas Acquisitions, LLC NNE Properties LLC Deed 1578/96 WV-061-003926-001 Reed Energy Services, LLC Northeast Natural Energy LLC Deed 1578/96 WV-061-001043-001 Reed Energy Services, LLC Northeast Natural Energy LLC Deed 1578/96 WV-061-001043-002 L.S. and Benitha Youst South Penn Oil Company 0.125 or Greater WV-061-000171-001 Judith T. Ammons Northeast Natural Energy LLC 0.125 or Greater 1419/852 WV-061-000171-002 Reta Meredith Erdos Northeast Natural Energy LLC 0.125 or Greater 1419/854 WV-061-000171-005 Noah Charles and Ruby A. Ammons Northeast Natural Energy LLC 0.125 or Greater 1419/843 WV-061-000171-005 Noah Charles and Ruby A. Ammons Northeast Natural Energy LLC 0.125 or Greater 1419/843 WV-061-000171-007 Amanda L. Wilson Northeast Natural Energy LLC 0.125 or Greater 1420/498 WV-061-000171-007 Amanda L. Wilson Northeast Natural Energy LLC 0.125 or Greater 1420/488	WV-061-000173-045	Donna C. Miller	Northeast Natural Energy LLC	0.125 or Greater	1586/514
WV-061-001059-002 Gina Lou and Ralph O. Smith Northeast Natural Energy LLC 0.125 or Greater 1486/628 WV-061-001059-003 Debra L. and Bradley S. Frazier Northeast Natural Energy LLC 0.125 or Greater 1486/630 WV-061-001059-004 Beth Ann and James A. Rouse Northeast Natural Energy LLC 0.125 or Greater 1486/579 WV-061-001059-006 Beverly Howard Northeast Natural Energy LLC Deed 1570/119 WV-061-001059-007 Sandra Lee Woods Northeast Natural Energy LLC Deed 1570/119 WV-061-003517-001 Quentin Dale Knight Northeast Natural Energy LLC Deed 1524/746 WV-061-003576-001 DWG Oil & Gas Acquisitions, LLC NNE Properties LLC Deed 1578/96 WV-061-003926-001 Reed Energy Services, LLC Northeast Natural Energy LLC Deed 1578/96 WV-61-001043-001 Reed Energy Services, LLC Northeast Natural Energy LLC Deed 1578/96 WV-061-001043-002 L.S. and Benitha Youst South Penn Oil Company 0.125 or Greater 39/69 WV-061-004342-001 Randolph K. and Tamara S. Ammons Northeast Natural Energy LLC 0.125 or Greater 1575/542 WV-061-000171-001 Judith T. Ammons Northeast Natural Energy LLC 0.125 or Greater 1419/852 WV-061-000171-002 Reta Meredith Erdos Northeast Natural Energy LLC 0.125 or Greater 1419/854 WV-061-000171-003 Peggy and Timothy C. Cale Northeast Natural Energy LLC 0.125 or Greater 1419/850 WV-061-000171-005 Noah Charles and Ruby A. Ammons Northeast Natural Energy LLC 0.125 or Greater 1419/843 WV-061-000171-006 Lois Jean McCoy Northeast Natural Energy LLC 0.125 or Greater 1420/490 WV-061-000171-007 Amanda L. Wilson Northeast Natural Energy LLC 0.125 or Greater 1420/488	WV-061-000173-046	Connie C. Sutton	Northeast Natural Energy LLC	0.125 or Greater	1589/245
WV-061-001059-003 Debra L. and Bradley S. Frazier Northeast Natural Energy LLC 0.125 or Greater 1486/630 WV-061-001059-004 Beth Ann and James A. Rouse Northeast Natural Energy LLC 0.125 or Greater 1486/579 WV-061-001059-006 Beverly Howard Northeast Natural Energy LLC Deed 1570/119 WV-061-001059-007 Sandra Lee Woods Northeast Natural Energy LLC Deed 1570/119 WV-061-003517-001 Quentin Dale Knight Northeast Natural Energy LLC Deed 1524/746 WV-061-003576-001 DWG Oil & Gas Acquisitions, LLC NNE Properties LLC Deed 1578/96 WV-061-003926-001 Reed Energy Services, LLC Northeast Natural Energy LLC Deed 1578/96 WV-61-001043-001 Reed Energy Services, LLC Northeast Natural Energy LLC Deed 1578/96 WV-061-001043-002 L.S. and Benitha Youst South Penn Oil Company 0.125 or Greater 39/69 WV-061-004342-001 Randolph K. and Tamara S. Ammons Northeast Natural Energy LLC 0.125 or Greater 1575/542 WV-061-000171-001 Judith T. Ammons Northeast Natural Energy LLC 0.125 or Greater 1419/852 WV-061-000171-002 Reta Meredith Erdos Northeast Natural Energy LLC 0.125 or Greater 1419/854 WV-061-000171-003 Peggy and Timothy C. Cale Northeast Natural Energy LLC 0.125 or Greater 1419/850 WV-061-000171-005 Noah Charles and Ruby A. Ammons Northeast Natural Energy LLC 0.125 or Greater 1419/843 WV-061-000171-006 Lois Jean McCoy Northeast Natural Energy LLC 0.125 or Greater 1420/498 WV-061-000171-007 Amanda L. Wilson Northeast Natural Energy LLC 0.125 or Greater 1420/488	WV-061-001059-001	Terrance W. and Joy L. Mason	Northeast Natural Energy LLC	0.125 or Greater	1486/626
WV-061-001059-003 Debra L. and Bradley S. Frazier Northeast Natural Energy LLC 0.125 or Greater 1486/630 WV-061-001059-004 Beth Ann and James A. Rouse Northeast Natural Energy LLC 0.125 or Greater 1486/579 WV-061-001059-006 Beverly Howard Northeast Natural Energy LLC Deed 1570/119 WV-061-001059-007 Sandra Lee Woods Northeast Natural Energy LLC Deed 1570/119 WV-061-003517-001 Quentin Dale Knight Northeast Natural Energy LLC Deed 1524/746 WV-061-003576-001 DWG Oil & Gas Acquisitions, LLC NNE Properties LLC Deed 1501/788 WV-061-003926-001 Reed Energy Services, LLC Northeast Natural Energy LLC Deed 1578/96 WV-61-001043-001 Reed Energy Services, LLC Northeast Natural Energy LLC Deed 1578/96 WV-61-001043-002 L.S. and Benitha Youst South Penn Oil Company 0.125 or Greater 39/69 WV-061-004342-001 Randolph K. and Tamara S. Ammons Northeast Natural Energy LLC 0.125 or Greater 1575/542 WV-061-000171-001 Judith T. Ammons Northeast Natural Energy LLC 0.125 or Greater 1419/852 WV-061-000171-002 Reta Meredith Erdos Northeast Natural Energy LLC 0.125 or Greater 1419/854 WV-061-000171-003 Peggy and Timothy C. Cale Northeast Natural Energy LLC 0.125 or Greater 1419/850 WV-061-000171-005 Noah Charles and Ruby A. Ammons Northeast Natural Energy LLC 0.125 or Greater 1419/843 WV-061-000171-006 Lois Jean McCoy Northeast Natural Energy LLC 0.125 or Greater 1420/498 WV-061-000171-007 Amanda L. Wilson Northeast Natural Energy LLC 0.125 or Greater 1420/488	WV-061-001059-002	Gina Lou and Ralph O. Smith	Northeast Natural Energy LLC	0.125 or Greater	1486/628
WV-061-001059-006 Beverly Howard Northeast Natural Energy LLC Deed 1570/119 WV-061-001059-007 Sandra Lee Woods Northeast Natural Energy LLC Deed 1570/119 WV-061-003517-001 Quentin Dale Knight Northeast Natural Energy LLC Deed 1524/746 WV-061-003576-001 DWG Oil & Gas Acquisitions, LLC NNE Properties LLC Deed 1501/788 WV-061-003926-001 Reed Energy Services, LLC Northeast Natural Energy LLC Deed 1578/96 WV-61-001043-001 Reed Energy Services, LLC Northeast Natural Energy LLC Deed 1578/96 WV-61-001043-002 L.S. and Benitha Youst South Penn Oil Company 0.125 or Greater 39/69 WV-061-004342-001 Randolph K. and Tamara S. Ammons Northeast Natural Energy LLC 0.125 or Greater 1575/542 WV-061-000171-001 Judith T. Ammons Northeast Natural Energy LLC 0.125 or Greater 1419/852 WV-061-000171-002 Reta Meredith Erdos Northeast Natural Energy LLC 0.125 or Greater 1419/854 WV-061-000171-003 Peggy and Timothy C. Cale Northeast Natural Energy LLC 0.125 or Greater 1419/850 WV-061-000171-005 Noah Charles and Ruby A. Ammons Northeast Natural Energy LLC 0.125 or Greater 1419/843 WV-061-000171-006 Lois Jean McCoy Northeast Natural Energy LLC 0.125 or Greater 1420/498 WV-061-000171-007 Amanda L. Wilson Northeast Natural Energy LLC 0.125 or Greater 1420/488		Debra L. and Bradley S. Frazier	Northeast Natural Energy LLC	0.125 or Greater	1486/630
WV-061-001059-007 Sandra Lee Woods Northeast Natural Energy LLC Deed 1570/119 WV-061-003517-001 Quentin Dale Knight Northeast Natural Energy LLC Deed 1524/746 WV-061-003576-001 DWG Oil & Gas Acquisitions, LLC NNE Properties LLC Deed 1501/788 WV-061-003926-001 Reed Energy Services, LLC Northeast Natural Energy LLC Deed 1578/96 WV-61-001043-001 Reed Energy Services, LLC Northeast Natural Energy LLC Deed 1578/96 WV-61-001043-002 L.S. and Benitha Youst South Penn Oil Company 0.125 or Greater 39/69 WV-061-004342-001 Randolph K. and Tamara S. Ammons Northeast Natural Energy LLC 0.125 or Greater 1575/542 WV-061-000171-001 Judith T. Ammons Northeast Natural Energy LLC 0.125 or Greater 1419/852 WV-061-000171-002 Reta Meredith Erdos Northeast Natural Energy LLC 0.125 or Greater 1419/854 WV-061-000171-003 Peggy and Timothy C. Cale Northeast Natural Energy LLC 0.125 or Greater 1419/850 WV-061-000171-005 Noah Charles and Ruby A. Ammons Northeast Natural Energy LLC 0.125 or Greater 1419/843 WV-061-000171-006 Lois Jean McCoy Northeast Natural Energy LLC 0.125 or Greater 1420/490 WV-061-000171-007 Amanda L. Wilson Northeast Natural Energy LLC 0.125 or Greater 1420/488	WV-061-001059-004	Beth Ann and James A. Rouse	Northeast Natural Energy LLC	0.125 or Greater	1486/579
WV-061-003517-001 Quentin Dale Knight Northeast Natural Energy LLC Deed 1524/746 WV-061-003576-001 DWG Oil & Gas Acquisitions, LLC NNE Properties LLC Deed 1501/788 WV-061-003926-001 Reed Energy Services, LLC Northeast Natural Energy LLC Deed 1578/96 WV-61-001043-001 Reed Energy Services, LLC Northeast Natural Energy LLC Deed 1578/96 WV-61-001043-002 L.S. and Benitha Youst South Penn Oil Company 0.125 or Greater 39/69 WV-061-004342-001 Randolph K. and Tamara S. Ammons Northeast Natural Energy LLC 0.125 or Greater 1575/542 WV-061-000171-001 Judith T. Ammons Northeast Natural Energy LLC 0.125 or Greater 1419/852 WV-061-000171-002 Reta Meredith Erdos Northeast Natural Energy LLC 0.125 or Greater 1419/854 WV-061-000171-003 Peggy and Timothy C. Cale Northeast Natural Energy LLC 0.125 or Greater 1419/850 WV-061-000171-005 Noah Charles and Ruby A. Ammons Northeast Natural Energy LLC 0.125 or Greater 1419/843 WV-061-000171-006 Lois Jean McCoy Northeast Natural Energy LLC 0.125 or Greater 1420/490 WV-061-000171-007 Amanda L. Wilson Northeast Natural Energy LLC 0.125 or Greater 1420/488	WV-061-001059-006	Beverly Howard	Northeast Natural Energy LLC	Deed	1570/119
WV-061-003576-001 DWG Oil & Gas Acquisitions, LLC NNE Properties LLC Deed 1578/96 WV-061-003926-001 Reed Energy Services, LLC Northeast Natural Energy LLC Deed 1578/96 WV-61-001043-001 Reed Energy Services, LLC Northeast Natural Energy LLC Deed 1578/96 WV-61-001043-002 L.S. and Benitha Youst South Penn Oil Company 0.125 or Greater 39/69 WV-061-004342-001 Randolph K. and Tamara S. Ammons Northeast Natural Energy LLC 0.125 or Greater 1575/542 WV-061-000171-001 Judith T. Ammons Northeast Natural Energy LLC 0.125 or Greater 1419/852 WV-061-000171-002 Reta Meredith Erdos Northeast Natural Energy LLC 0.125 or Greater 1419/854 WV-061-000171-003 Peggy and Timothy C. Cale Northeast Natural Energy LLC 0.125 or Greater 1419/850 WV-061-000171-005 Noah Charles and Ruby A. Ammons Northeast Natural Energy LLC 0.125 or Greater 1419/843 WV-061-000171-006 Lois Jean McCoy Northeast Natural Energy LLC 0.125 or Greater 1420/490 WV-061-000171-007 Amanda L. Wilson Northeast Natural Energy LLC 0.125 or Greater 1420/488	WV-061-001059-007	Sandra Lee Woods	Northeast Natural Energy LLC	Deed	1570/119
WV-061-003926-001 Reed Energy Services, LLC Northeast Natural Energy LLC Deed 1578/96 WV-61-001043-001 Reed Energy Services, LLC Northeast Natural Energy LLC Deed 1578/96 WV-61-001043-002 L.S. and Benitha Youst South Penn Oil Company 0.125 or Greater 39/69 WV-061-004342-001 Randolph K. and Tamara S. Ammons Northeast Natural Energy LLC 0.125 or Greater 1575/542 WV-061-000171-001 Judith T. Ammons Northeast Natural Energy LLC 0.125 or Greater 1419/852 WV-061-000171-002 Reta Meredith Erdos Northeast Natural Energy LLC 0.125 or Greater 1419/854 WV-061-000171-003 Peggy and Timothy C. Cale Northeast Natural Energy LLC 0.125 or Greater 1419/850 WV-061-000171-005 Noah Charles and Ruby A. Ammons Northeast Natural Energy LLC 0.125 or Greater 1419/843 WV-061-000171-006 Lois Jean McCoy Northeast Natural Energy LLC 0.125 or Greater 1420/490 WV-061-000171-007 Amanda L. Wilson Northeast Natural Energy LLC 0.125 or Greater 1420/488	WV-061-003517-001	Quentin Dale Knight	Northeast Natural Energy LLC	Deed	1524/746
WV-061-003926-001 Reed Energy Services, LLC Northeast Natural Energy LLC Deed 1578/96 WV-61-001043-001 Reed Energy Services, LLC Northeast Natural Energy LLC Deed 1578/96 WV-61-001043-002 L.S. and Benitha Youst South Penn Oil Company 0.125 or Greater 39/69 WV-061-004342-001 Randolph K. and Tamara S. Ammons Northeast Natural Energy LLC 0.125 or Greater 1575/542 WV-061-000171-001 Judith T. Ammons Northeast Natural Energy LLC 0.125 or Greater 1419/852 WV-061-000171-002 Reta Meredith Erdos Northeast Natural Energy LLC 0.125 or Greater 1419/854 WV-061-000171-003 Peggy and Timothy C. Cale Northeast Natural Energy LLC 0.125 or Greater 1419/850 WV-061-000171-005 Noah Charles and Ruby A. Ammons Northeast Natural Energy LLC 0.125 or Greater 1419/843 WV-061-000171-006 Lois Jean McCoy Northeast Natural Energy LLC 0.125 or Greater 1420/490 WV-061-000171-007 Amanda L. Wilson Northeast Natural Energy LLC 0.125 or Greater 1420/488	WV-061-003576-001	DWG Oil & Gas Acquisitions, LLC	NNE Properties LLC	Deed	1501/788
WV-61-001043-001 Reed Energy Services, LLC Northeast Natural Energy LLC Deed 1578/96 WV-61-001043-002 L.S. and Benitha Youst South Penn Oil Company 0.125 or Greater 39/69 WV-061-004342-001 Randolph K. and Tamara S. Ammons Northeast Natural Energy LLC 0.125 or Greater 1575/542 WV-061-000171-001 Judith T. Ammons Northeast Natural Energy LLC 0.125 or Greater 1419/852 WV-061-000171-002 Reta Meredith Erdos Northeast Natural Energy LLC 0.125 or Greater 1419/854 WV-061-000171-003 Peggy and Timothy C. Cale Northeast Natural Energy LLC 0.125 or Greater 1419/850 WV-061-000171-005 Noah Charles and Ruby A. Ammons Northeast Natural Energy LLC 0.125 or Greater 1419/843 WV-061-000171-006 Lois Jean McCoy Northeast Natural Energy LLC 0.125 or Greater 1420/490 WV-061-000171-007 Amanda L. Wilson Northeast Natural Energy LLC 0.125 or Greater 1420/488	WV-061-003926-001				
WV-61-001043-002 L.S. and Benitha Youst South Penn Oil Company 0.125 or Greater 39/69 WV-061-004342-001 Randolph K. and Tamara S. Ammons Northeast Natural Energy LLC 0.125 or Greater 1575/542 WV-061-000171-001 Judith T. Ammons Northeast Natural Energy LLC 0.125 or Greater 1419/852 WV-061-000171-002 Reta Meredith Erdos Northeast Natural Energy LLC 0.125 or Greater 1419/854 WV-061-000171-003 Peggy and Timothy C. Cale Northeast Natural Energy LLC 0.125 or Greater 1419/850 WV-061-000171-005 Noah Charles and Ruby A. Ammons Northeast Natural Energy LLC 0.125 or Greater 1419/843 WV-061-000171-006 Lois Jean McCoy Northeast Natural Energy LLC 0.125 or Greater 1420/490 WV-061-000171-007 Amanda L. Wilson Northeast Natural Energy LLC 0.125 or Greater 1420/488	WV-61-001043-001	Reed Energy Services, LLC		Deed	
WV-061-004342-001 Randolph K. and Tamara S. Ammons Northeast Natural Energy LLC 0.125 or Greater 1575/542 WV-061-000171-001 Judith T. Ammons Northeast Natural Energy LLC 0.125 or Greater 1419/852 WV-061-000171-002 Reta Meredith Erdos Northeast Natural Energy LLC 0.125 or Greater 1419/854 WV-061-000171-003 Peggy and Timothy C. Cale Northeast Natural Energy LLC 0.125 or Greater 1419/850 WV-061-000171-005 Noah Charles and Ruby A. Ammons Northeast Natural Energy LLC 0.125 or Greater 1419/843 WV-061-000171-006 Lois Jean McCoy Northeast Natural Energy LLC 0.125 or Greater 1420/490 WV-061-000171-007 Amanda L. Wilson Northeast Natural Energy LLC 0.125 or Greater 1420/488	WV-61-001043-002	L.S. and Benitha Youst			
WV-061-000171-001 Judith T. Ammons Northeast Natural Energy LLC 0.125 or Greater 1419/852 WV-061-000171-002 Reta Meredith Erdos Northeast Natural Energy LLC 0.125 or Greater 1419/854 WV-061-000171-003 Peggy and Timothy C. Cale Northeast Natural Energy LLC 0.125 or Greater 1419/850 WV-061-000171-005 Noah Charles and Ruby A. Ammons Northeast Natural Energy LLC 0.125 or Greater 1419/843 WV-061-000171-006 Lois Jean McCoy Northeast Natural Energy LLC 0.125 or Greater 1420/490 WV-061-000171-007 Amanda L. Wilson Northeast Natural Energy LLC 0.125 or Greater 1420/488	WV-061-004342-001	Randolph K. and Tamara S. Ammons			
WV-061-000171-002 Reta Meredith Erdos Northeast Natural Energy LLC 0.125 or Greater 1419/854 WV-061-000171-003 Peggy and Timothy C. Cale Northeast Natural Energy LLC 0.125 or Greater 1419/850 WV-061-000171-005 Noah Charles and Ruby A. Ammons Northeast Natural Energy LLC 0.125 or Greater 1419/843 WV-061-000171-006 Lois Jean McCoy Northeast Natural Energy LLC 0.125 or Greater 1420/490 WV-061-000171-007 Amanda L. Wilson Northeast Natural Energy LLC 0.125 or Greater 1420/488	WV-061-000171-001	Judith T. Ammons			
WV-061-000171-003 Peggy and Timothy C. Cale Northeast Natural Energy LLC 0.125 or Greater 1419/850 WV-061-000171-005 Noah Charles and Ruby A. Ammons Northeast Natural Energy LLC 0.125 or Greater 1419/843 WV-061-000171-006 Lois Jean McCoy Northeast Natural Energy LLC 0.125 or Greater 1420/490 WV-061-000171-007 Amanda L. Wilson Northeast Natural Energy LLC 0.125 or Greater 1420/488	WV-061-000171-002	Reta Meredith Erdos			
WV-061-000171-005 Noah Charles and Ruby A. Ammons Northeast Natural Energy LLC 0.125 or Greater 1419/843 WV-061-000171-006 Lois Jean McCoy Northeast Natural Energy LLC 0.125 or Greater 1420/490 WV-061-000171-007 Amanda L. Wilson Northeast Natural Energy LLC 0.125 or Greater 1420/488	WV-061-000171-003	Peggy and Timothy C. Cale			
WV-061-000171-006 Lois Jean McCoy Northeast Natural Energy LLC 0.125 or Greater 1420/490 WV-061-000171-007 Amanda L. Wilson Northeast Natural Energy LLC 0.125 or Greater 1420/488	WV-061-000171-005				
WV-061-000171-007 Amanda L. Wilson Northeast Natural Energy LLC 0.125 or Greater 1420/488	WV-061-000171-006	Lois Jean McCoy			
WV-061-000171-008 Freddie and Barbara L. McCoy Northeast Natural Energy LLC 0.125 or Greater 1980/697 City	WV-061-000171-007	Amanda L. Wilson			1420/488
	WV-061-000171-008				1010/49 Oil



WV Department of Environmental Protection

		T		
WV-061-000171-010		Northeast Natural Energy LLC	0.125 or Greater	
WV-061-000171-011	Timothy C. and Peggy Cale	Northeast Natural Energy LLC	Deed	1570/119
WV-061-004328-001	Stone Hill Minerals Holding, LLC	Northeast Natural Energy LLC	0.125 or Greater	
WV-061-003330-001	Sandra L. Moore	Northeast Natural Energy LLC	0.125 or Greater	
WV-061-003330-002		Northeast Natural Energy LLC	0.125 or Greater	1503/811
WV-061-003330-004		Northeast Natural Energy LLC	0.125 or Greater	1503/832
WV-061-003330-005	Sandra L. Moore	Northeast Natural Energy LLC	0.125 or Greater	1531/15
WV-061-003330-006	Timothy C. and Peggy Cale	Northeast Natural Energy LLC	Deed	1570/119
WV-061-004495-000	Gerry L. and Cheryl G. Mayfield	Northeast Natural Energy LLC	0.125 or Greater	1586/636
WV-061-004698-000	James R. and JoAnn K. Connor	Northeast Natural Energy LLC	0.125 or Greater	1602/89
WV-061-004780-001	Charles Edmund and Jocelyn B. Collins	Northeast Natural Energy LLC	Deed	1609/734
WV-061-000111-001	EQT Production Company	Northeast Natural Energy LLC	Agreement	1617/378
WV-061-004607-001	Robert Chisler	EQT Production Company		1511/683
	The Chisler Family Irrevocable Trust, Linda		0.223 0. 0.000	1011,000
WV-061-004607-002	Jo and Scott L. Chisler, Trustees	EQT Production Company	0.125 or Greater	1514/135
WV-061-003278-001	Chesapeake Appalachia LLC	Chesapeake Appalachia LLC	0.125 or Greater	
WV-061-003278-002	Statoil USA Onshore Porperties Inc.		0.125 or Greater	
WV-061-003278-002 WV-061-003278-003	Chesapeake Appalachia LLC			
	Statoil USA Onshore Porperties Inc.	Chesapeake Appalachia LLC	0.125 or Greater	
WV-061-003278-004	·	<u> </u>	0.125 or Greater	
WV-061-003278-005	Chesapeake Appalachia LLC	Chesapeake Appalachia LLC	0.125 or Greater	
WV-061-003278-006	Statoil USA Onshore Porperties Inc.		0.125 or Greater	
WV-061-000111-001	EQT Production Company	Northeast Natural Energy LLC	Agreement	1617/378
WV-061-000111-001	EQT Production Company	Northeast Natural Energy LLC	Agreement	1617/378
WV-061-000111-001	EQT Production Company	Northeast Natural Energy LLC	Agreement	1617/378
WV-061-03660-005	Patricia JoAnn Wagner	Northeast Natural Energy LLC		1539/518
WV-061-03660-006	Mary Dawson	Northeast Natural Energy LLC	0.125 or Greater	1542/83
	The Revocable Trust Agreemenet of Randal			
	M. Spragg, by Randall M. and Lisa M.			
WV-061-03660-007	Spragg, Trustees	Northeast Natural Energy LLC	0.125 or Greater	1551/93
WV-061-03660-008	Leo Keith Tennant and Laurie M. Tennant	Northeast Natural Energy LLC	0.125 or Greater	1563/517
WV-061-03660-009	Gary A. Spragg	Northeast Natural Energy LLC	0.125 or Greater	1564/364
WV-061-03660-010	Marion Emrod Tennant	Northeast Natural Energy LLC	0.125 or Greater	1559/260
WV-061-03660-011	Kim David Fritz and Nancy Fritz	Northeast Natural Energy LLC	0.125 or Greater	1551/131
WV-061-03660-012	Lisa Cortes	Northeast Natural Energy LLC	0.125 or Greater	1552/460
WV-061-03660-013	Jerry E. and Joyce Sims	Northeast Natural Energy LLC	0.125 or Greater	1559/262
WV-061-03660-014	Michael J. and Natalie Ann Eddy	Northeast Natural Energy LLC	0.125 or Greater	
WV-061-03660-015	James E. and Ronda S. Eddy	<u></u>	0.125 or Greater	
WV-061-03660-016	Eva L. and Robert Ellis	Northeast Natural Energy LLC	0.125 or Greater	
WV-061-03660-017	Janet Coleman	Northeast Natural Energy LLC	0.125 or Greater	
WV-061-03660-018	Sharon K. and Carl E. Schuster	Northeast Natural Energy LLC	0.125 or Greater	
WV-061-03660-019	Kent S. Tennant	Northeast Natural Energy LLC	0.125 or Greater	
WV-061-03660-020	Mack Watkins	Northeast Natural Energy LLC	0.125 or Greater	
WV-061-03660-021	Jo Ann Watkins	Northeast Natural Energy LLC	0.125 or Greater	
WV-061-03660-021	Goldene B. Tennant	Northeast Natural Energy LLC	0.125 or Greater	
WV-061-03660-022	Daniel T. Sims	Northeast Natural Energy LLC		
WV-061-03660-024	Jacuelyn M. and Donald R. Halbrook		0.125 or Greater	
		Northeast Natural Energy LLC	0.125 or Greater	
WV-061-03660-025	Sherry L. Harrison	Northeast Natural Energy LLC	0.125 or Greater	
WV-061-03660-026	Carol A. and David M. Luckey	Northeast Natural Energy LLC	0.125 or Greater	
WV-061-03660-027	Jean-Clare Sims Bohm	Northeast Natural Energy LLC	0.125 or Greater	
WV-061-03660-028	Philip J. and Vickie Sims	Northeast Natural Energy LLC	0.125 or Greater	
	David Watkins	Northeast Natural Energy LLC	0.125 or Greater	
WV-061-03660-029		Northeast Natural Energy LLC	0.125 or Greater	1563/515
	Connie and Wayne Geissinger			
WV-061-03660-029	Sue Tennant	Northeast Natural Energy LLC		1567/329
WV-061-03660-029 WV-061-03660-030			0.125 or Greater 0.125 or Greater	1574/528
WV-061-03660-029 WV-061-03660-030 WV-061-03660-031	Sue Tennant	Northeast Natural Energy LLC	0.125 or Greater 0.125 or Greater 0.125 or Greater	

MAY 2018 07/13/2018 WV Department of Environmental Protection

WV-061-03660-035	Lori and Gary Kirby	Northeast Natural Energy LLC	0.125 or Greater	1563/537
WV-061-03660-036	Neil P. and Michelle R. Eddy	Northeast Natural Energy LLC	0.125 or Greater	1567/699
WV-061-03660-037	Mark M. and Jean I. Tennant	Northeast Natural Energy LLC	Deed	1570/119
WV-061-03660-038	D. Ray and Barbara Tennant	Northeast Natural Energy LLC	0.125 or Greater	1567/335
WV-061-03660-039	ERP Federal Mining Complex, LLC	Northeast Natural Energy LLC	0.125 or Greater	1567/347
WV-061-03660-040	Donley Carr Main	Northeast Natural Energy LLC	0.125 or Greater	1567/337
WV-061-03660-041	Barbara and Dave Huber	Northeast Natural Energy LLC	0.125 or Greater	1567/333
WV-061-03660-042	Carl E. and Chevelle L. Swartz	Northeast Natural Energy LLC	0.125 or Greater	1567/343
WV-061-03660-043	Doug Watkins	Northeast Natural Energy LLC	0.125 or Greater	1567/341
WV-061-03660-044	Jan L. Tennant and Richard Cooper	Northeast Natural Energy LLC	Deed	1570/119
WV-061-03660-045	Joe S. and Karen Tennant	Northeast Natural Energy LLC	Deed	1570/119
WV-061-03660-046	Tommy D. Watkins	Northeast Natural Energy LLC	0.125 or Greater	1567/331
WV-061-03660-047	Marion Lavern Tennant	Northeast Natural Energy LLC	0.125 or Greater	1572/614
WV-061-03660-048	Stephen A. and Marcia Tennant	Northeast Natural Energy LLC	0.125 or Greater	1563/535
WV-061-03660-049	Sandra K. Krider	Northeast Natural Energy LLC	Deed	1596/445
WV-061-03660-050	Albert R. and Arta S. Fox	Northeast Natural Energy LLC	Deed	1596/522
WV-061-03660-051	Kyle F. and Anna M. Eddy	Northeast Natural Energy LLC	0.125 or Greater	1594/200
WV-061-03660-052	Kenneth R. and Natalie A. Eddy	Northeast Natural Energy LLC	0.125 or Greater	1594/331
WV-061-03660-053	James E. and Christina K. Benson	Northeast Natural Energy LLC	0.125 or Greater	1609/7
WV-061-03660-001	Robert W. Tennant	Northeast Natural Energy LLC	0.125 or Greater	1538/417
WV-061-03660-002	Joseph B. Tennant	Northeast Natural Energy LLC	0.125 or Greater	1538/439
WV-061-03660-003	Teresa Leigh Tennant	Northeast Natural Energy LLC	0.125 or Greater	1538/437
WV-061-03660-004	Nellie G. Tennant	Northeast Natural Energy LLC	0.125 or Greater	1538/286
WV-061-000111-001	EQT Production Company	Northeast Natural Energy LLC	Agreement	1617/378
WV-061-000114-001	Shuman Inc.	Northeast Natural Energy LLC	0.125 or Greater	1625/598
				

RECEIVED
Office of Oil and Gas

MAY 2 3 2018

WV Department of Environmental Protection

South Penn Oil Company Edwin Associates, Inc. Assignment Assignment DR 32/240 DR 754/594 South Penn Oil Company Union Trust National Bank, as successor by conversion of Union South Penn Natural Gas Company Trust & Deposit Company Assingment DR 304/547 Edwin Associates, Inc. South Penn Natural Gas Company Edwin Associates, Inc. South Penn Oil Company J. T. Carson Assignment Assignment DR 580/311 DR 754/600 South Penn Oil Company merged with J. T. Carson Pennzoil Company and United Gas Thompson/Texas Associates Partnership Pennzoil United Inc. Assignment DR 754/606 Assignment Thompson/Texas Associates Partnership, Thompson Pipe and Supply Company, Jack O. DR 672/665 Thompson, Harold J. Arnsteen, Equidyne Investment Associates, Inc., individually and as partners and/or joint venturers in that entity known as Thompson/Texas Associates Pennzoil United Inc. Partnership Mark Eddy Assignment W. H. Allen Assignment AR 21/22 DR 695/557 W. H. Allen Beth Eddy, Debbie Eddy and Melissa Eddy Assignment AR 21/582 Union Trust & Deposit Company Beth Stewart, Debbie Morris and Melissa Matheny Assignment DR 695/556 Mark V. Eddy W.H. Allen and James A. Allen Assignment AR 102/275 Mark V. Eddy & Betty Eddy (h&w) & Eddy Brothers Northeast Natural Energy LLC

Office of Oil and Gas
MAY 2 3 2018

WV Department of Protection
07/13/2018

Assignment AB 123/363

EQT Production Company

Assignment BK 1617/378

Office of Oil and Gas
MAY 2 3 2018

WV Department of Protection

Chesapeake Appalachia, LLC.

Northeast Natural Energy Assignment BK 120/769 Chesapeake Appalachia, LLC.
And
Statoil USA Onshore Properties Inc.

Northeast Natural Energy Assignment BK 120/769



May 10, 2018

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

RE: Yost 1H, 7H, and 11H

Dear Permit Reviewer:

Please be advised that Northeast Natural Energy LLC has the right to drill, extract and produce the minerals beneath the roads identified as Conner School Road (County Route 16/1) and Upper Days Run Road (County Route 18) on the enclosed survey plat.

Sincerely

Anthony Romeo

Manager - Land Operations

Enclosure

API No. 47-

WW-6AC (1/12)

Date of Notice Certification: 02/13/2018

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

			-	Well No. Yost	11H
			Well Pad N	lame: Yost	
	e provisions in West Virginia Code §	§ 22-6A, the Operator has prov	ided the req	uired parties v	vith the Notice Forms listed
	tract of land as follows:				
State:	West Virginia		Easting:	567084.2	
County:	Monongalia		Northing:	4388282.0	
District:	Clay	Public Road Acce		Daybrook Rd. 21	B
Quadrangle:	Blacksville	Generally used fa	rm name:	Yost	
Watershed:	Dunkard				
prescribed by it has provide information re of giving the requirements Virginia Code	West Virginia Code § 22-6A-7(b), the secretary, shall be verified and sized the owners of the surface describe equired by subsections (b) and (c), se surface owner notice of entry to su of subsection (b), section sixteen o e § 22-6A-11(b), the applicant shall thave been completed by the applicant	hall contain the following informed in subdivisions (1), (2) are ection sixteen of this article; (ii) arvey pursuant to subsection (if this article were waived in ender proof of and certify to the	rmation: (14 nd (4), subset that the recal), section to writing by	4) A certification (b), section (b), section (b), section (c), section	on from the operator that (i) stion ten of this article, the deemed satisfied as a resulting six-a; or (iii) the notice wher; and Pursuant to West
	West Virginia Code § 22-6A, the Oprator has properly served the require		is Notice C	ertification	
•	CK ALL THAT APPLY	,g.			OOG OFFICE USE ONLY
□ 1. №	TICE OF SEISMIC ACTIVITY or	■ NOTICE NOT REQUIR SEISMIC ACTIVITY WAS			□ RECEIVED/ NOT REQUIRED
■ 2. NOT	TICE OF ENTRY FOR PLAT SURV	'EY or □ NO PLAT SURVE	EY WAS CO	ONDUCTED	☐ RECEIVED
■ 3. NOT	TICE OF INTENT TO DRILL or	NOTICE NOT REQUIR NOTICE OF ENTRY FOR PWAS CONDUCTED or			RECEIVED/ NOT REQUIRED
		☐ WRITTEN WAIVER E (PLEASE ATTACH)	SY SURFAC	CE OWNER	
■ 4. NOT	TICE OF PLANNED OPERATION				RECEIVED
■ 5. PUB	BLIC NOTICE				☑ RECEIVED
■ 6. NOT	TICE OF APPLICATION				☐ RECEIVED
■ 6. NOT					RECEIVED

Required Attachments:

The Operator shall attach to this Notice Certification Form all Notice Forms and Certifications of Notice that have been provided to the required parties and/or any associated written waivers. For the Public Notice, the operator shall attach a copy of the Class II Legal Advertisement with publication date verification or the associated Affidavit of Publication. The attached Notice Forms and Certifications of Notice shall serve as proof that the required parties have been 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.

RECEIVE Gas
Office of Oil and Gas

FEB 1 5 2018

W Department of the Environmental Procedures

WW-6AC (1/12)

Certification of Notice is hereby given:

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

Well Operator: Northeast Natural Energy LLC Address: 707 Virginia Street East, Suite 1200 By: Hollie M. Medley Charleston, WV 25301 Its: Facsimile: 304-241-5972 Regulatory Manager Telephone: 304-212-0422 Email: hmedley@nne-llc.com NOTARY SOMEICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
Justine Bohon
Northeast Natural Energy LLC
48 Donley Street, Suite 601
Morgantown, WV 26501
My Commission Expires Dec. 1, 2022 day of February Subscribed and sworn before me this ARY SOMEICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
Justine Bohon
Northeast Natural Energy LLC
48 Donley Street, Suite 601
Morgantown, WV 26501
y Commission Expires Dec. 1, 2022 Notary Public

My Commission Expires

Oil and Gas Privacy Notice:

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

> RECEIVED Office of Oil and Gas FEB 1 5 2018

W Department of Environmental Protection

WW-6A (9-13)

API NO. 47-	
OPERATOR WELL	NO. Yost 11H
Well Pad Name: Yos	t

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 tha	n the filing date of permit application.
Date of Notice: 1/29/2018 Date Permit Application Filed: 2/13/1. Notice of:	2018
PERMIT FOR ANY WELL WORK CONSTRUCTION OF A	ROVAL FOR THE AN IMPOUNDMENT OR PIT
Delivery method pursuant to West Virginia Code § 22-6A-10	(b)
	OD OF DELIVERY THAT REQUIRES A PT OR SIGNATURE CONFIRMATION
the surface of the tract on which the well is or is proposed to be local be local and gas leasehold being developed by the proposed well work, if described in the erosion and sediment control plan submitted pursual perator or lessee, in the event the tract of land on which the well proposed work, if the surface tract is to be used for the placement, construction work, if the surface tract is to be used for the placement, construction moved that the surface tract is to be used for the placement, construction and the proposed well, spring or water supply source located within one to provide water for consumption by humans or domestic animals; and proposed well work activity is to take place. (c)(1) If more than three subsection (b) of this section hold interests in the lands, the applicant records of the sheriff required to be maintained pursuant to section encovision of this article to the contrary, notice to a lien holder is not a source of the section which is not a surface to the contrary, notice to a lien holder is not a surface to the contrary.	or signature confirmation, copies of the application, the erosion and the well plat to each of the following persons: (1) The owners of record of teted; (2) The owners of record of the surface tract or tracts overlying the other surface tract is to be used for roads or other land disturbance as ant to subsection (c), section seven of this article; (3) The coal owner, oposed to be drilled is located [sic] is known to be underlain by one or cts overlying the oil and gas leasehold being developed by the proposed auction, enlargement, alteration, repair, removal or abandonment of any any surface owner or water purveyor who is known to the applicant to thousand five hundred feet of the center of the well pad which is used to (6) The operator of any natural gas storage field within which the extenants in common or other co-owners of interests described in the at may serve the documents required upon the person described in the eight, article one, chapter eleven-a of this code. (2) Notwithstanding any notice to a landowner, unless the lien holder is the landowner. W. Va. rovide the Well Site Safety Plan ("WSSP") to the surface owner and any as provided in section 15 of this rule.
SURFACE OWNER(s)	☐ COAL OWNER OR LESSEE
Name: See Attachment Address:	Name: See Attachment Address:
	COAL OPERATOR
Address:	Name: Address:
SURFACE OWNER(s) (Road and/or Other Disturbance)	/ radi 655.
Name: See Attachment	☑ SURFACE OWNER OF WATER WELL
Address:	AND/OR WATER PURVEYOR(s) Name: See Attachment
Name:	Name: See Attachment Address:
Address:	11441955.
	OPERATOR OF ANY NATURAL GAS STORAGE FIELD
SURFACE OWNER(s) (Impoundments or Pits)	Name: RECEIVED Gas
Name:	Address: Office of Oil San
Address:	**************************************
······································	and distributed to the state of
	WV Department of Environmental Protection

WW-6A (8-13)

API NO. 47	
OPERATOR WELL	NO. Yest 11H
Well Pad Name: Yost	

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 of the condition of the condition of the operator will utilize an independent laboratory to analyze any sample; and (4) advise the surface of the condition of the condition

Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Department of

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 numerical Pr

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

well location restrictions regarding occupied dwelling structures pursuant to this section. Upon a finding, if any, by the secretary that the well location restrictions regarding occupied dwelling structures are inadequate or otherwise require alteration to address the items

WW-6A (8-13)

API NO. 47	
OPERATOR WELL NO.	Yost 11H
Well Pad Name: Yost	

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

Water Well Testing:

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

Water Testing Laboratories:

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

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

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

Written Comment:

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

Chief, Office of Oil and Gas Department of Environmental Protection 601 57th St. SE

(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 RECUIRED TO FILE ANY COMMENT. test water. NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

4706901801

WW-6A (8-13) API NO. 47-____OPERATOR WELL NO. Yost 11H
Well Pad Name: Yost

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.

Office of Oil and Gas
FEB 15 2018

WV Department of Environmental Protection

4706901801

WW-6A (8-13)

API NO. 47OPERATOR WELL NO. Yost 11H
Well Pad Name: Yost

Notice is hereby given by:

Well Operator: Northeast Natural Energy LLC

Telephone: 304-212-0422
Email: hmedley@nne-llc.com

Address: 707 Virginia Street E., Suite 1200

Charleston, WV 25301

Facsimile: 304-241-5972

Oil and Gas Privacy Notice:

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

OFFICIAL SEAL
MOTARY PUBLIC
STATE OF WEST VIRGINIA
Justine Bohon
Northeast Natural Energy LLC
48 Donley Street, Suite 601
Morgantown, WY 26501
My Commission Expires Dec. 1, 2022

Subscribed and sworn before me this 14 day of 2, 2018

Notary P

My Commission Expires 12 | 2022

Office of Oil and Gas
FEB 1 5 2018

WW Department of Environmental Protection

Yost 11H

Surface Owner(s):

Yost Heritage Inc. 2656 Daybrook Rd. Fairview, WV 26570

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

Yost Heritage Inc. 2656 Daybrook Rd. Fairview, WV 26570

Rocky and Cathy J. Barr 167 Wilson Run Rd. Fairview, WV 26570

Gary D. Yost 2520 Daybrook Rd. Fairview, WV 26570

Freddie C. McCoy, Lois Jean,
Amanda Wilson & Maudie Ruth Estate
2677 Mason Dixon HWY
Core, WV 26541

4 Brothers LLC 153 Blue Goose Rd. Fairview, WV 26570

Coal Owner or Lessee:

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

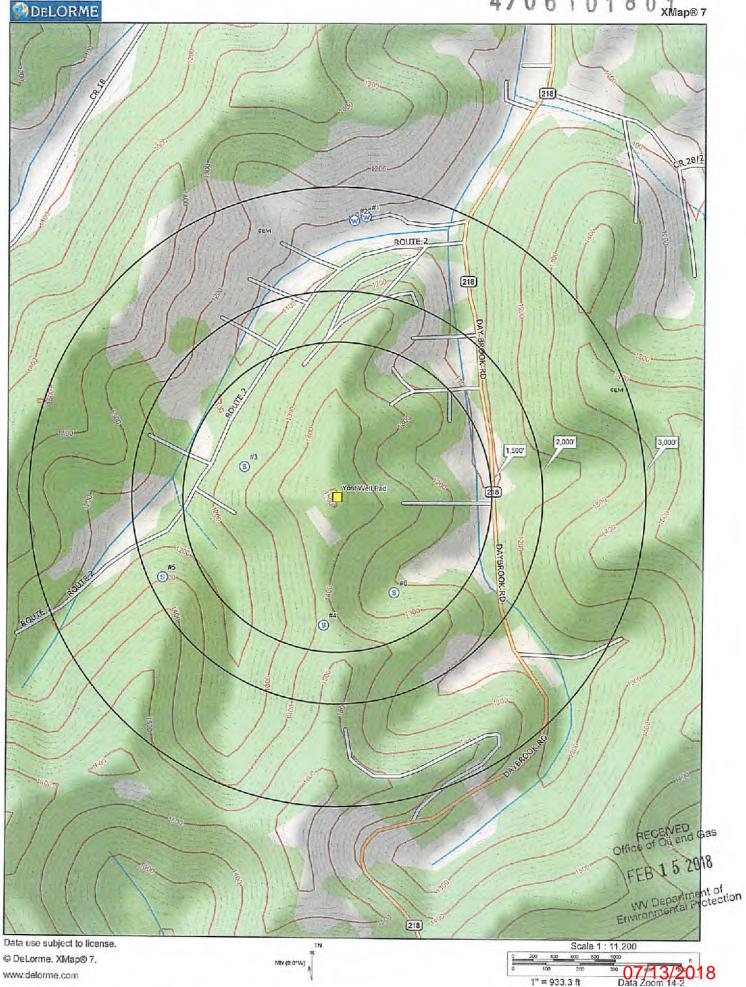
Surface Owner of Water Well and/or Water Purveyor:

Yost Heritage Inc. 2656 Daybrook Rd. Fairview, WV 26570

Office of Oil and Gas
FEB 1 5 2018

WV Department of Environmental Protection

07/13/2018



Pre-Drill Water Sample - Yost Well Pad

Source	Туре	Landowner	Easting (UTM NAD 83)	Northing (UTM NAD 83)	Latitude (NAD 83)	Longitude (NAD 83)
#1	Water Well	Yost Heritage Inc.	567169.27	4389101.22	39.6490681	-80.2171009
#2	Water Well	Yost Heritage Inc.	567134.7	4389089.01	39.6489608	-80.217505
#3	Spring	Yost Heritage Inc.	566817.03	4388363.41	39.6424484	-80.2212807
#4	Spring	Yost Heritage Inc.	567059.5	4387900.69	39.6382605	-80.2185019
#5	Spring	Yost Heritage Inc.	566578.37	4388035.06	39.6395087	-80.2240949
#6	Spring	Yost Heritage Inc.	567267.34	438800.55	39.6391439	-80.2160699

WW-6A3 (1/12) Operator Well No. Yost 11H

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

Notice Time	Requirement: Not	ice shall be provi	ded at least SEVEN (7) da	ys but no more than	n FORTY-FIVE	(45) days prior to
	ce: 7/22/2013	Date of Plan	ned Entry: 7/30/2013			
Delivery me	thod pursuant to W	est Virginia Co	de § 22-6A-10a			
☐ PERSO	NAL E RE	GISTERED	☐ METHOD OF DEL	IVERY THAT RE	OURES A	
SERVIO		AIL	RECEIPT OR SIGN			
on to the surface of the such owner of mire and Sedimen Georetary, with the surface of the surfa	ace tract to conduct than forty-five days tract that has filed a terals underlying suc t Control Manual an	any plat surveys prior to such enti- declaration purs th tract in the cou d the statutes and include contact i	rior to filing a permit applic required pursuant to this ar- ry to: (1) The surface owne- mant to section thirty-six, a anty tax records. The notic dirules related to oil and gas information, including the a e secretary.	rticle. Such notice s r of such tract; (2) t rticle six, chapter to e shall include a sta s exploration and pa	shall be provided a to any owner or le wenty-two of this atement that copie roduction may be	at least seven days ssee of coal seams code; and (3) any s of the state Erosion obtained from the
otice is her	eby provided to:					
SURFA	CE OWNER(s)		■ COA	L OWNER OR LE	SSEE	
Name: See All			Name: See			
			0.770776			
lame:						-
ddress:			■ MINE	ERAL OWNER(s)		
			Name: See	e Attachment		
ame:			Address:			
ddress:	j.			h additional forms if ne		
Pursuant to V plat survey State: County;	on the tract of land West Virginia	§ 22-6A-10(a), no as follows:	Public Road A	ude & Longitude:	567095.7; 4388263.9 (State Route 218 (Dayb	UTM NAD 83)
district:				CV.	Dunkard Creek	
uadrangle:	Blacksville		Generally use	ed farm name:	Yost	
nay be obtai Charleston, V	ned from the Secreta VV 25304 (304-926	ary, at the WV D 5-0450). Copies	Manual and the statutes an epartment of Environmenta of such documents or addit wv.gov/oil-and-gas/pages/o	al Protection headquional information r	uarters, located at	601 57 th Street, SE, al drilling may be
notamed from						RECEIVED Gas
	reby given by:					or of Oll al
Notice is he	ereby given by: Or: Northeast Natural Ene	rgy LLC	Address:	707 Virginia Street East	, Suite 1200	Office
		rgy LLC	Address:	707 Virginia Street East Charleston, WV 2501	, Suite 1200	FEB 1 5 2018 W Department of Environmental Protes

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.

07/13/2018

Surface Owner(s):

Yost Heritage Inc. 2656 Daybrook Rd. Fairview, WV 26570

Mineral Owner(s):

Yost Heritage Inc. 2656 Daybrook Rd. Fairview, WV 26570

Mabel Cummins 3737 Sawgrass Drive Titusville, FL 32780

Coal Owner(s):

Consolidated Coal Company 1000 CONSOL Energy Drive Canonsburg, PA 15317

RECEIVED
Office of Oil and Gas

FEB 1 5 2018

WV Department of Environmental Protection WW-6A4 (1/12)

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

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

Date of Notice	e: 01/29/2018			at TEN (10) days prior to filing a Application Filed: 02/13/2018	a permit application.
Delivery meth	od pursuant	to West Virginia	Code § 22-6/	A-16(b)	
☐ HAND		CERTIFIED MA	n.		
DELIVE		RETURN RECE		STED	
receipt request drilling a horiz of this subsecti subsection may and if available	ted or hand del zontal well: Prion as of the da y be waived in e, facsimile nu	ivery, give the sur rovided. That noti ate the notice was writing by the sur mber and electron	face owner no ce given purs provided to the face owner. ic mail address	otice of its intent to enter upon to mant to subsection (a), section to the surface owner: <i>Provided, ho</i> . The notice, if required, shall income as of the operator and the operator	, an operator shall, by certified mail return the surface owner's land for the purpose of en of this article satisfies the requirements wever. That the notice requirements of this lude the name, address, telephone number, or's authorized representative.
Notice is her Name: Yost Herit		l to the SURFA	CEOWNE	R(s): Name:	
Address: 2656 [-/	Address:	
Fairview, WV 2657	0				
he surface ow	ner's land for t	he purpose of dril	ling a horizon	ital well on the tract of land as for	ollows:
he surface own State: County: District:	ner's land for t West Virginia Monongalia Clay Blacksville, WV	the purpose of dril	ling a horizon	reby given that the undersigned that well on the tract of land as for the UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name:	well operator has an intent to enter upon ollows: 567080.6 4388286.9 State Route 218 (Daybrook Road) Yost
he surface ow State: County: District: Quadrangle:	ner's land for t West Virginia Monongalia Clay	he purpose of dril	ling a horizon	utal well on the tract of land as for UTM NAD 83 Easting: Northing: Public Road Access:	567080.6 4388286.9 State Route 218 (Daybrock Road)
he surface own State: County: District: Quadrangle: Watershed: This Notice S Pursuant to W facsimile numberlated to horize	ner's land for t West Virginia Monongalia Clay Blacksville, WV Dunkard Shall Include 'est Virginia C ber and electro zontal drilling	he purpose of dril	(b), this notice of the opera from the Seci	tal well on the tract of land as for UTM NAD 83 Public Road Access: Generally used farm name: te shall include the name, add ator and the operator's authorize retary, at the WV Department of	567080.6 4388286.9 State Route 218 (Daybrock Road)
he surface own State: County: District: Quadrangle: Watershed: This Notice S Pursuant to Wacsimile number related to horizocated at 601:	ner's land for t West Virginia Monongalia Clay Blacksville, WV Dunkard Shall Include 'est Virginia C ber and electro zontal drilling	the purpose of dril	(b), this notice of the opera from the Seci	tal well on the tract of land as for UTM NAD 83 Public Road Access: Generally used farm name: te shall include the name, add ator and the operator's authorize retary, at the WV Department of	ollows: 567080.6 4388286.9 State Route 218 (Daybrook Road) Yost ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters,
the surface own State: County: District: Quadrangle: Watershed: This Notice S Pursuant to W facsimile number of the county cotted at 601: Notice is here	ner's land for t West Virginia Monongalia Clay Blacksville, WV Dunkard Shall Include 'est Virginia C ber and electro zontal drilling 57 th Street, SE,	the purpose of dril	(b), this notice of the opera from the Seci	tal well on the tract of land as for UTM NAD 83 Public Road Access: Generally used farm name: te shall include the name, add ator and the operator's authorize retary, at the WV Department of	State Route 218 (Daybrook Road) Yost ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx.
he surface own State: County: District: Quadrangle: Watershed: This Notice S Pursuant to W acsimile numberlated to horizocated at 601: Notice is here Well Operator:	ner's land for t West Virginia Monongalia Clay Blacksville, WV Dunkard Shall Include 'est Virginia C ber and electro zontal drilling 57th Street, SE,	the purpose of dril	(b), this notice of the opera from the Seci	tal well on the tract of land as for UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: ee shall include the name, add attor and the operator's authorize retary, at the WV Department of 226-0450) or by visiting www.de	State Route 218 (Daybrook Road) Yost ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx.
he surface own State: County: District: Quadrangle: Watershed: This Notice S Pursuant to W acsimile numberlated to horizocated at 601: Notice is here Well Operator: Address: Charleston, WV 25	ner's land for t West Virginia Monongalia Clay Blacksville, WV Dunkard Shall Include Test Virginia Cober and electrozontal drilling 57th Street, SE, eby given by Northeast Natur	the purpose of dril	(b), this notice of the opera from the Seci	tal well on the tract of land as for UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: the shall include the name, add attor and the operator's authorize retary, at the WV Department of 226-0450) or by visiting www.de Authorized Representative: Address: Morgantown, WV 26501	ollows: 567080.6 4388286.9 State Route 218 (Daybrook Road) Yost ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx. Hollie Medley, Regulatory Manager
the surface own State: County: County: District: Quadrangle: Watershed: This Notice S Pursuant to W Facsimile number at 601: Notice is here Well Operator: Address: Charleston, WV 25 Felephone:	ner's land for t West Virginia Monongalia Clay Blacksville, WV Dunkard Shall Include Test Virginia Cober and electrozontal drilling 57th Street, SE, eby given by Northeast Natur	the purpose of dril	(b), this notice of the opera from the Seci	tal well on the tract of land as for UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: te shall include the name, add ator and the operator's authorize aretary, at the WV Department of 226-0450) or by visiting www.de Authorized Representative: Address: Morgantown, WV 26501 Telephone:	ollows: 567080.6 4388286.9 State Route 218 (Daybrook Road) Yost ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx. Hollie Medley, Regulatory Manager
the surface own State: County: District: Quadrangle: Watershed: This Notice S Pursuant to W acsimile number of the horizocated at 601: Notice is here Well Operator: Address: Charleston, WV 25	ner's land for t West Virginia Monongalia Clay Blacksville, WV Dunkard Shall Include Yest Virginia (ber and electro zontal drilling 57th Street, SE, eby given by Northeas: Natur 707 Virginia Str	the purpose of dril	(b), this notice of the opera from the Seci	tal well on the tract of land as for UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: the shall include the name, add attor and the operator's authorize retary, at the WV Department of 226-0450) or by visiting www.de Authorized Representative: Address: Morgantown, WV 26501	ollows: 567080.6 4388286.9 State Route 218 (Daybrook Road) Yost ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx. Hollie Medley, Regulatory Manager 48 Donley Street, Suite 1200

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 busing Gas 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 contagt 2018 DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

WV Department of Environmental Protection WW-6A5 (1/12)

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

Date of Notic				
Delivery met	hod pursuant to West Virginia Cod	le § 22-6A-16(c)		
■ CERTI	FIED MAIL	☐ HAND		
	RN RECEIPT REQUESTED	DELIVERY		
return receipt the planned of required to be drilling of a damages to the	requested or hand delivery, give the separation. The notice required by the provided by subsection (b), section to norizontal well; and (3) A proposed to surface affected by oil and gas open	surface owner whose land is subsection shall inclu- en of this article to a surf- surface use and compens- ations to the extent the da	d will be used for de: (1) A copy ace owner whose sation agreement amages are comp	cation, an operator shall, by certified mail or the drilling of a horizontal well notice of of this code section; (2) The information e land will be used in conjunction with the t containing an offer of compensation for pensable under article six-b of this chapter, sted in the records of the sheriff at the time
(at the addres	eby provided to the SURFACE OW s listed in the records of the sheriff at			
		*1		
Name: Please 5	ee Attachment			
Address: Notice is her Pursuant to W	eby given: /est Virginia Code § 22-6A-16(c), not	Address	s:ne undersigned v	vell operator has developed a planned
Address:	eby given: /est Virginia Code § 22-6A-16(c), not the surface owner's land for the purpo West Virignia	Address	ne undersigned val well on the trace	well operator has developed a planned ct of land as follows:
Address:	eby given: /est Virginia Code § 22-6A-16(c), not the surface owner's land for the purpo West Virignia Monongalia	Address dice is hereby given that the second drilling a horizonta UTM NAD 8	ne undersigned valuell on the traces Easting: Northing:	well operator has developed a planned et of land as follows: 567087.8 4388277.1
Notice is her Pursuant to W operation on State: County: District:	eby given: /est Virginia Code § 22-6A-16(c), not the surface owner's land for the purpo West Virignia Monongalia Clay	Address ice is hereby given that the second drilling a horizonta UTM NAD 8 Public Road	ne undersigned valued on the tracesting: Northing: Access:	well operator has developed a planned ct of land as follows: 567087.8 4388277.1 State Route 218 (Daybrook Road)
Address:	eby given: /est Virginia Code § 22-6A-16(c), not the surface owner's land for the purpo West Virignia Monongalia	Address ice is hereby given that the second drilling a horizonta UTM NAD 8 Public Road	ne undersigned valuell on the traces Easting: Northing:	well operator has developed a planned et of land as follows: 567087.8 4388277.1
Notice is her Pursuant to W operation on State: County: District: Quadrangle: Watershed: This Notice S Pursuant to W to be provide horizontal we surface affect information r	eby given: //est Virginia Code § 22-6A-16(c), not the surface owner's land for the purpo West Viriginia Monongalia Clay Blacksville, WV Dunkard Shall Include: //est Virginia Code § 22-6A-16(c), this d by W. Va. Code § 22-6A-10(b) to ll; and (3) A proposed surface use and ed by oil and gas operations to the elated to horizontal drilling may be clocated at 601 57th Street, SE, Co.	Address ice is hereby given that the content of drilling a horizonta of the content of the cont	ne undersigned valuell on the tracesting: Northing: Access: ad farm name: A copy of this ce land will be understand and compensable understary, at the WV	well operator has developed a planned ct of land as follows: 567087.8 4388277.1 State Route 218 (Daybrook Road)
Notice is her Pursuant to Woperation on State: County: District: Quadrangle: Watershed: This Notice Sepursuant to Woperation on State: Watershed: Watershe	eby given: //est Virginia Code § 22-6A-16(c), not the surface owner's land for the purpo West Viriginia Monongalia Clay Blacksville, WV Dunkard Shall Include: //est Virginia Code § 22-6A-16(c), this d by W. Va. Code § 22-6A-10(b) to ll; and (3) A proposed surface use and ed by oil and gas operations to the elated to horizontal drilling may be clocated at 601 57th Street, SE, Co.	Address ice is hereby given that the content of drilling a horizonta of the content of the cont	he undersigned valuell on the tracesting: Northing: Access: ad farm name: A copy of this ce land will be understanded army, at the WV (304-926-0450)	well operator has developed a planned ct of land as follows: 567087.8 4368277.1 State Route 218 (Caybrook Road) Yost code section; (2) The information required sed in conjunction with the drilling of a offer of compensation for damages to the er article six-b of this chapter. Additional Department of Environmental Protection or by visiting www.dep.wv.gov/oil-and-
Notice is her Pursuant to Woperation on State: County: District: Quadrangle: Watershed: This Notice Sepursuant to Woperation on State: Watershed: Watershe	eby given: //est Virginia Code § 22-6A-16(e), not the surface owner's land for the purpowest Viriginia Monongalia Clay Blacksville, WV Dunkard Shall Include: //est Virginia Code § 22-6A-16(e), thind by W. Va. Code § 22-6A-10(b) to the land (3) A proposed surface use and ed by oil and gas operations to the elelated to horizontal drilling may be clocated at 601 57th Street, SE, Contact of the land (3) A proposed surface use and elelated to horizontal drilling may be clocated at 601 57th Street, SE, Contact of the land (3) A proposed surface use and clocated at 601 57th Street, SE, Contact of the land (3) A proposed surface use and clocated at 601 57th Street, SE, Contact of the land (3) A proposed surface use and clocated at 601 57th Street, SE, Contact of the land (3) A proposed surface use and clocated at 601 57th Street, SE, Contact of the land (3) A proposed surface use and clocated at 601 57th Street, SE, Contact of the land (3) A proposed surface use and clocated at 601 57th Street, SE, Contact of the land (3) A proposed surface use and clocated at 601 57th Street, SE, Contact of the land (3) A proposed surface use and clocated at 601 57th Street, SE, Contact of the land (3) A proposed surface use and clocated at 601 57th Street, SE, Contact of the land (3) A proposed surface use and clocated at 601 57th Street, SE, Contact of the land (3) A proposed surface use and clocated at 601 57th Street, SE, Contact of the land (3) A proposed surface use and clocated at 601 57th Street, SE, Contact of the land (3) A proposed surface use and clocated at 601 57th Street, SE, Contact of the land (3) A proposed surface use and clocated at 601 57th Street, SE, Contact of the land (3) A proposed surface use and clocated at 601 57th Street, SE, Contact of the land (3) A proposed surface use and clocated at 601 57th Street, SE, Contact of the land (3) A proposed surface use and clocated at 601 57th Street, SE, Contact of the land (3) A proposed surface use and (4) A proposed surface use and (4) A proposed surface use and (Address dice is hereby given that the base of drilling a horizonta UTM NAD 8 Public Road and Generally use of a surface owner whose decompensation agreement the damages are compared from the Secret Charleston, WV 25304 in the secret charleston.	ne undersigned valuell on the tracesting: Northing: Access: ad farm name: A copy of this ce land will be understand and compensable understary, at the WV	well operator has developed a planned ct of land as follows: 567087.8 4388277.1 State Route 218 (Daybrook Road) Yost code section; (2) The information required sed in conjunction with the drilling of a offer of compensation for damages to the er article six-b of this chapter. Additional Department of Environmental Protection or by visiting www.dep.wv.gov/oil-and-ast, Suite 1200

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 septiment DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

FEB 1 5 2018

W/V Department of Environmental Protection

Yost 11H

Surface Owner(s):

Yost Heritage Inc. 2656 Daybrook Rd. Fairview, WV 26570

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

Yost Heritage Inc. 2656 Daybrook Rd. Fairview, WV 26570

Rocky and Cathy J. Barr 167 Wilson Run Rd. Fairview, WV 26570

Gary D. Yost 2520 Daybrook Rd. Fairview, WV 26570

Freddie C. McCoy, Lois Jean, Amanda Wilson & Maudie Ruth Estate 2677 Mason Dixon HWY Core, WV 26541

4 Brothers LLC 153 Blue Goose Rd. Fairview, WV 26570

Office of Oil and Gas

FEB 15 2018

WV Department of Environmental Protection 07/13/2018

WW-6AW (1-12)

API NO. 47-			
OPERATOR WELL	NO.	Yost 11H	
Well Pad Name: Yost			

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 OR JECTION

required, and State:	the well plat, all for proposed well work on the tra	ect of land as follows:	the erosion and sediment control plan, it
County:	Workingtona	Northing:	4388282.0
District:	Charles Carlo Carl	Public Road Access:	State Route 218 (Daybrook Road)
Quadrangle: Watershed:	Blacksville, WV Dunkard	Generally used farm name:	Yost
T TOUBL OHEON	the box that applies	FOR EXECUT	ION BY A NATURAL PERSON
1 TOUBLE CHOCK	the box that applies	FOR EXECUT	ION BY A NATURAL PERSON
□ SURFAC	E OWNER		And the second s
□ SURFAC		Signature: 40	and Bayast
□ SURFAC	E OWNER	Signature: 40 Print Name: Ga Date: 2-7	and Byfast -18
□ SURFAC ■ SURFAC □ SURFAC	E OWNER E OWNER (Road and/or Other Disturbance)	Signature: 46 Print Name: 62 Date: 2-7 FOR EXECUT Company:	ION BY A CORPORATION, ETC.
□ SURFAC □ SURFAC □ SURFAC □ COAL C	E OWNER E OWNER (Road and/or Other Disturbance) E OWNER (Impoundments/Pits) WNER OR LESSEE	Signature: 46 Print Name: 62 Date: 2-7 FOR EXECUT Company: By:	ION BY A CORPORATION, ETC.
□ SURFAC □ SURFAC □ SURFAC □ COAL C	E OWNER E OWNER (Road and/or Other Disturbance) E OWNER (Impoundments/Pits) WNER OR LESSEE	Signature: 20 Print Name: Gar Date: 2-7 FOR EXECUT Company: By: Its:	ION BY A CORPORATION, ETC.

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regularity protection duties. Your personal information may be disclosed to other State accesses. 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.

	47	0	6	9	0	1	8	0	1
APINO	47-		-						
OPERA'	TOR V	VEL	LN	O.	Yos	11H			
Well Pac	I Name	e: Y	ost						

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

A	West Virginia	Easting:	567087.8
County:	Monongalia	UTM NAD 83 Pasting. Northing:	4388277,1
District:	Clay	Public Road Access:	State Route 218 (Daybrook Road)
Quadrangle: Watershed:	Blacksville, WV Dunkard	Generally used farm name:	Yost
*Please checl	the box that applies	FOR EXECUT	ION BY A NATURAL PERSON
*Please check	the box that applies	EOD EVECUT	ION DV A NATUDAL DEDCON
-			
☐ SURFA	CE OWNER	G.	
	CE OWNER CE OWNER (Road and/or Other Disturbanc	e) Print Name:	
□ SURFA		e) Print Name: Date:	
□ SURFAC	CE OWNER (Road and/or Other Disturbance	Print Name: Date: FOR EXECUT Company ERP For	ION BY A CORPORATION, ETC.
□ SURFAC □ SURFAC □ COAL C	CE OWNER (Road and/or Other Disturbance OWNER (Impoundments/Pits)	Print Name: Date: FOR EXECUT	ION BY A CORPORATION, ETC. deral Mining Complex, LLC
□ SURFAC □ SURFAC □ COAL C □ COAL C	CE OWNER (Road and/or Other Disturbance CE OWNER (Impoundments/Pits) OWNER OR LESSEE	Print Name:	ION BY A CORPORATION, ETC.

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.



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

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

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

January 25, 2018

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

Subject: DOH Permit for the Yost Pad, Monongalia County Yost 11H

Dear Mr. Martin,

Earl Ray Tomblin

Governor

Northeast Natural Energy LLC will access this well site from an existing permit #04-2012-0876 issued to Yost Heritage Inc. for access to the State Road for a well site located off of West Virginia Route 218.

The operator has signed a DISTRICT WIDE OIL AND GAS ROAD MAINTENANCE BONDING AGREEMENT and provided the required Bond. This operator is currently in compliance with the DOH OIL AND GAS POLICY dated January 3, 2012.

Very Truly Yours,

Gary K. Clayton, P.E.

Regional Maintenance Engineer Central Office O&G Coordinator

Cc: Hollie Medley

Northeast Natural Energy Corporation

CH, OM, D-4

File

RECEIVED Office of Oil and Gas

FEB 1 5 2018

WV Department of Environmental Protection

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	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

RECEIVED
Office of Oil and Gas
FEB 1 5 2018

WV Department of Environmental Protection

YOST ALTERNATE ACCESS ROAD, AST PAD AND AS-BUILT CLAY DISTRICT, MONONGALIA COUNTY, WV OCTOBER 2014

TWO WORKING DAYS PRIOR TO EXCAVATION, THE CONTRACTOR MUST CONTACT THE WV ONE CALL SYSTEM, INC., 1-800-245-4848 SERIAL # 1210029702

OWNER



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

APPROVED WVDEP OOG 10/27/2014

SHEET INDEX 1. TITLE SHEET

2-3. EVACUATION ROUTE/PREVAILING WINDS 4. E&S CONTROL LAYOUT OVERVIEW 5-9. E&S CONTROL LAYOUT 10. E&S CONTROL AND SITE PLAN OVERVIEW 11-15, E&S CONTROL AND SITE PLAN

16. AST PAD CROSS-SECTIONS AND EXISTING ACCESS ROAD PROFILE

17. PROPOSED ACCESS ROAD PROFILE 18-21. EXISTING ACCESS ROAD AND PROPOSED ACCESS ROAD CROSS-SECTIONS

> 22. STREAM CROSSINGS #1,#2 AND #3 CROSS-SECTIONS AND PROFILES 23-25. DETAIL SHEET

26. SITE RECLAMATION OVERVIEW 27-31. SITE RECLAMATION PLAN

PLANS PREPARED BY:

BOORD BENCHEK & ASSOCIATES, INC.

ENGINEERING, SURVEYING, CONSTRUCTION AND MINING SERVICES SOUTHPOINTE, PA 15317 PHONE: 724-746-1055



ANDREW BENCHEK

DATE

ORIGINAL PROJECT BOUNDARY: 14.5 ACRES PROPOSED PROJECT BOUNDARY ADDED: 15.1 ACRES TOTAL: 29.6 ACRES PROJECT BOUNDARY DELETED: 1.1 ACRES TOTAL: 28.5 ACRES

HANCOC PROOKE. PROJECT LOCATION API NUMBERS Yost 3H - 47-06101673 Yost 5H - 47-06101670 Yost 9H - 47-06101671 MARION RITCHIE GLMER. UPSHUR FAMOOLPH BRAXTON IN ACCORDANCE WITH WV 35 CSR 8 WEBSTE ABELL POCAHONTAS NICHOLAS LINCOLN

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

YOST ALTERNATE ACCESS ROAD, AST PAD AND AS-BUILT CLAY DISTRICT, MONONGALIA COUNTY, WV

SHEET

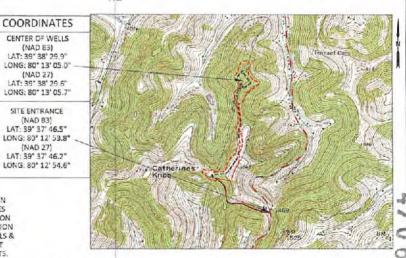
(NAD 83)

(NAD 27)

(NAD 83)

(NAD 27)

OF 31



MERCER O MCDOWELL

GREEN BRIER