

### 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

Harold D. Ward, Cabinet Secretary www.dep.wv.gov

Wednesday, October 27, 2021 WELL WORK PERMIT Horizontal 6A / New Drill

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

Re: Permit approval for PHOENIX 6H

47-061-01890-00-00

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.

N. 1177

Operator's Well Number: PHOENIX 6H

Farm Name: CHARLES WENDELL MOOR

U.S. WELL NUMBER: 47-061-01890-00-00

Horizontal 6A New Drill Date Issued: 10/27/2021

API Numb	er:								
<b>&gt;</b> 70	47	0	6	1	0	1	8	9	0

### **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

- 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: 4706101890

### **PERMIT CONDITIONS**

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

WW-6B (04/15)

API NO. 47	
OPERATOR WELL NO. 6H	_
Well Pad Name: Phoenix	

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

1) Well Operator: Northea	st Natural Energy	494498281	Monongalia	Battelle	Wadestown
•		Operator ID	County	District	Quadrangle
2) Operator's Well Number:	6H	Well	Pad Name: Phoe	nix	
3) Farm Name/Surface Own	er: Charles Wendell Moore & F	rank M. Chisler Public F	Road Access: Gra	veyard Hil	II/Route 15/2
4) Elevation, current ground	1,538'	Elevation, propos	ed post-constructi	ion: <u>1,503</u>	
5) Well Type (a) Gas <u>&gt;</u> Other	Oil _	U	nderground Stora	ge	
(b)If Gas	Shallow X	Deep			
	Horizontal X				•
6) Existing Pad: Yes or No	No				
7) Proposed Target Formation Marcellus, 8,200', 79', 3600		ticipated Thicknes	s and Expected P	ressure(s):	
8) Proposed Total Vertical D	epth: 8,200'		-		
9) Formation at Total Vertice	al Depth: Marcell	us			
10) Proposed Total Measure	d Depth: 29,040	1			
11) Proposed Horizontal Leg	Length: 20,120				
12) Approximate Fresh Wate	er Strata Depths:	1,238'			
13) Method to Determine Front	esh Water Depths:	Drillers Log from	n Offset Wells		
14) Approximate Saltwater I	Depths: 2,222'				
15) Approximate Coal Seam	Depths: 1,250'				
16) Approximate Depth to P	ossible Void (coal	mine, karst, other)	): NA		
17) Does Proposed well loca directly overlying or adjacen			tive/non-producing No	·	RECEIVED Office of Oil and Gas
(a) If Yes, provide Mine In	fo: Name: Fe	deral #2		(	SEP 2 2 2021
	Depth: 1,2	50'			nt Of
	Seam: Pitt	sburgh		E	nvironmental Protection
	Owner: Pho	oenix Federal No	2 Mining, LLC	_	

API NO. 47-4706101890

OPERATOR WELL NO. 6H

Well Pad Name: Phoenix

18)

### CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	24	New	NA	94.71	100'	100'	CTS
Fresh Water	13-3/8	New	J-55	54.5	1,500'	1,470'	CTS
Coal							
Intermediate	9-5/8	New	J-55	36	2,760'	2,730'	CTS
Production	5-1/2	New	P-110	20	29,040'	29,010'	6974
Tubing	2-7/8	New	P-110	6.5	NA	8,500'	NA
Liners						7 1	

\*\* Freshwater casing set to 1,470' due to Red Rock formation

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TYPE	Size (in)	Wellbore Diameter (in)	<u>Wall</u> <u>Thickness</u> <u>(in)</u>	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	24	32	0.375	NA	NA	Class A	1.19
Fresh Water	13-3/8	17-1/2	0.380	2,730	500	Class A	1.19
Coal							
Intermediate	9-5/8	12-3/8	0.395	3,520	2,800	Class A	1.19
Production	5-1/2	8-3/4	0.361	14,360	11,500	50:50 POZ	1.16
Tubing	2-7/8	NA	0.217	13,870	NA	NA	NA
Liners							

### **PACKERS**

Kind:		
Sizes:		
Depths Set:		
	-50	

Office of Oil and Gas

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WV Department of Environmental Protection

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OPERATOR WELL NO. 6H
Well Pad Name: Phoenix

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

Utilize auger rig to set cellar & conductor. The conductor will be grouted with cement to surface.

Mobilize top hole drilling rig. Drill surface section on air. Run surface (freshwater & coal string) casing to desired depth. The surface section will not penetrate sea level. Surface casing will be cemented to surface. Drill intermediate section on air. Run intermediate casing to desired depth. Intermediate casing will be cemented to surface. Drill on air the production section to the start of the curve (KOP). The well will be loaded with synthetic oil base drilling mud (SOBM). Demobilize top hole rig. Mobilize horizontal drilling rig. Finish drilling the production section utilizing MWD surveys and geosteering practices to maintain the wellbore in the Marcellus shale and prevent anti-collision. Production casing will be ran to TD and cement top will be inside the intermediate casing.

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

A cement bond log will determine the top of production casing cement.

The production casing will be pressure tested. The hydraulic fracturing equipment will then open the toe sleeves and begin pumping the first stage. The plug-and-perf method will be used for the remaining stages. The max anticipated pressure during frac is 11,200psi and a max rate of 90bpm. After frac, the drillout rig will drill all plugs out of the well. Land production tubing at desired depth. Then flowback well until ready to turn in line to production facilities.

- 21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 72.29
- 22) Area to be disturbed for well pad only, less access road (acres): 31.65
- 23) Describe centralizer placement for each casing string:

Surface: shoe track & every 3rd joint to surface Intermediate: shoe track & every 3rd joint to surface

Production: Rigid bow centralizers at shoe track & every other joint in the lateral to KOP. Bow springs

from KOP to surface every third joint.

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

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

25) Proposed borehole conditioning procedures:

Surface & intermediate on air will utilize high volumetric flow rates of air to ensure the wellbore is clean prior to TOH.

Production section will utilize synthetic oil based drilling mud to properly clean the wellbore. At TD, pump rate and rotation will be maximized and tripping will not begin until shakers flow clean.

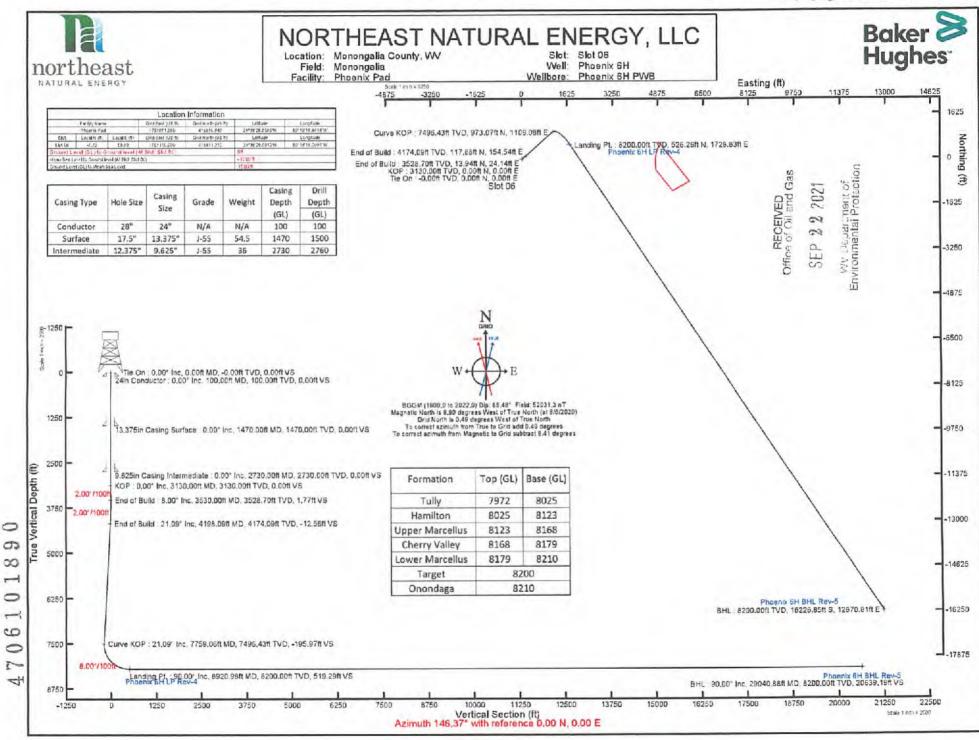
Production casing will be circulated prior to cementing to ensure a prepared wellbore for cement.

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\*Note: Attach additional sheets as needed.

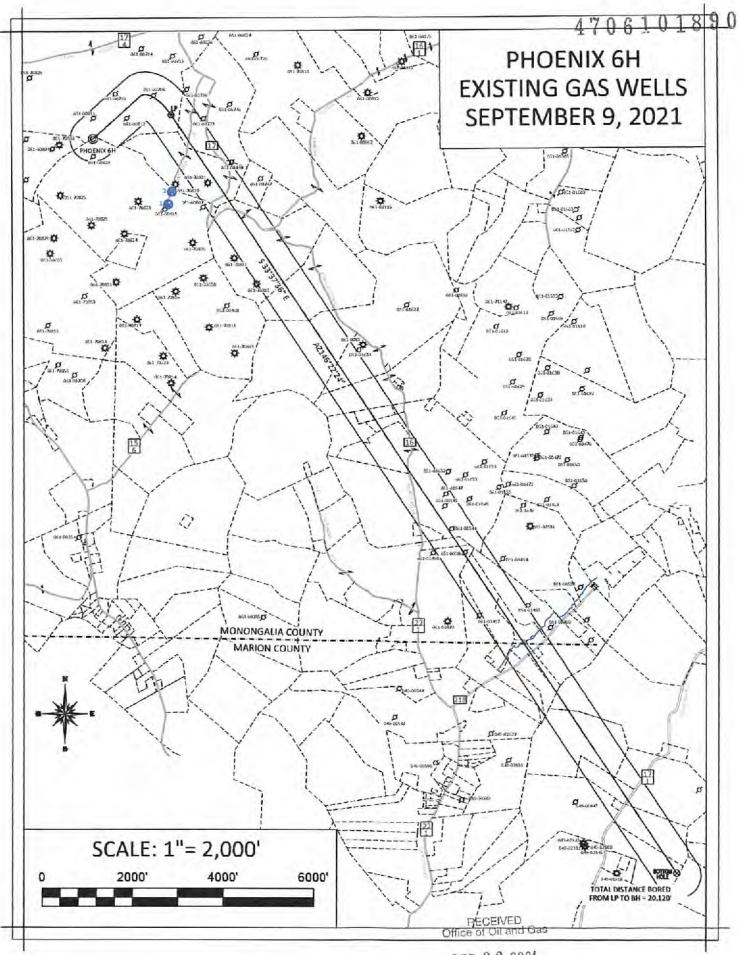
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Phoenix 6H Area of Review								
API Number	Well Name	Well Number	Operator	Latitude (NAD 27)	Longitude (NAD 27)	TMP	TVD	Comments
			Eastern Associated /					
47-061-00811	Haught & Walker	16	Peabody Coal Company	39.642531	-80.271931	1-17-14.1	NA	Plugged 5/7/1986
			Eastern Associated /					
47-051-00710	Denny Tennant	EACC-F2-294	Peabody Coal Company	39.646301	-80.265742	1-17-14.1	NA	Plugged 3/9/1987
			Eastern Associated /					
47-061-00812	Denny Tennant	3	Peabody Coal Company	39.642531	-80.269305	1-17-14.1	NA	Plugged 6/2/1986
			Eastern Associated /					
47-061-00823	Haught & Walker	15	Peabody Coal Company	39.640211	-80.27193	1-24-19.1	3337	Plugged 1/12/1987
			Eastern Associated /					
47-061-00708	Denny Tennant	2	Peabody Coal Company	39.643981	-80.267242	1-17-14.1	3389	Plugged 12/3/1982
			Eastern Associated /					
47-061-70821	South Penn Oil	NA	Peabody Coal Company	39.638859	-80.262749	1-24-18	NA	Pre 1929 Farm Well
47-061-70812	A Darrah	2	NA	39.258808	-80.258808	4-19-12	NA	Pre 1929 Farm Well
			Eastern Associated /					
47-061-01647	Kathy Ice	3	Peabody Coal Company	39.619897	-80.244161	4-26-10.3	NA	Plugged 10/1/2012
47-061-00545	William R. Ice	4	East Resouces Inc	39.619173	-80.24422	4-26-10.3	NA	Plugged 1/19/2011
47-061-00544	William R. Ice	2	East Resouces Inc	39.617782	-80.243688	4-26-10.3	NA	Plugged 2/17/2011
47-061-00980	Billy Haught	8	East Resouces Inc	39.616189	-80.242681	16-2-15	3374	Plugged 4/20/2005

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### Northeast Natural Energy LLC Mine Contingency Plan



On all wells drilled, Northeast Natural Energy LLC ("NNE") has contingency strategies in place should an unanticipated void or mine be encountered while drilling the surface section of the well. If encountered, any accumulated gases will be diverted a safe distance away from the drilling operations through the blooey line and/or flare.

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

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

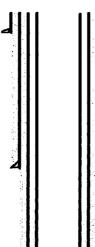
With the use of these string sizes and techniques, the surface and intermediate strings do not need to be altered. After a proper WOC time, the surface section of the well would continue to be drilled with a 17-1/2" bit and the 13-3/8" 54.50#/ft freshwater casing would be set at the originally permitted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

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

### Casing Schematic w/ Mine String

- 24" Conductor Set 10' Below Non-Compacted Soils
- 22" Hole Drilled to 50' Below Void
- 18-5/8" 67.5#/ft. J-55 BTC Set 30'-50' Below
- 17-½" Hote Drilled, 13-3/8" 54.5#/ ft. J-55 BTC/STC Set at Originally Permitted Depth
- Cement-to-Surface
- 12 %" Hole Drilled, 9-5/8" 40#/ft. J-55 8RD LTC Set at Originally Permitted Depth
- Cement-to-Surface
- 8 %" Drilled, 5-1/2" 20#/ft. P-110 STC Set at Originally Permitted Depth
- Cemented Top Minimum 200' Inside of Intermediate Casing

### Casing Schematic w/o Mine String



- 24" Conductor Set 10' Below Non-Compacted Soils
- 17-½" Hote Drilled, 13-3/8" 54.8#/
  ft. J-55 BTC/STC Set at Originally
  Permitted Depth
- Cement-to-Surface
- 12 %" Hole Drilled, 9-5/8" 40#/ft. J-55 8RD LTC Set at Originally Permitted Depth
- Cement-to-Surface
- 8 ¾" Drilled, 5-½" 20#/ft. P-110 BTC Set at Originally Permitted Depth
- Cemented Top Minimum 200' Inside of Intermediate Casing

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WW-9 (4/16)

API	Num	ber	47 -
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## Operator's Well No. Phoenix 6H STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

### ELLIDS/CUTTINGS DISPOSAL & RECLAMATION PLAN

FEOIDS/ COTTI	NGS DISPOSAL & RECLAMATION FLAN
Operator Name Northeast Natural Energy LLC	OP Code 494498281
Watershed (HUC 10) Dunkard Creek	Quadrangle Wadestown
Do you anticipate using more than 5,000 bbls of wat	er to complete the proposed well work? Yes 🗸 No
Will a pit be used? Yes No V	
If so, please describe anticipated pit waste:	NA
Will a synthetic liner be used in the pit? Ye	es No 1f so, what ml.? NA
Proposed Disposal Method For Treated Pit	Wastes:
Land Application	
Underground Injection (	
Reuse (at API Number of Off Site Disposed (Supply	y form WW-9 for disposal location)
Of the Disposal (Supply	7 form w w-9 for disposal focation)
Will closed loop system be used? If so, describe: $\underline{\underline{Y}}$	es, Please See Attachment "A"
Drilling medium anticipated for this well (vertical an	nd horizontal)? Air, freshwater, oil based, etc. Verileal Air/ Curve & Horizontal - Oil Based
-If oil based, what type? Synthetic, petroleu	um, etc. Synthetic Oil Based Mud
Additives to be used in drilling medium? Organophilio	Clay Viscosifiers, Lime, Unsaturated Fatty Acids, CaCl, Barite, Emulsifiers, Mica LCM, Water Loss Agents
Drill cuttings disposal method? Leave in pit, landfill	I, removed offsite, etc. Removed Offsite - Please See Attachment "A"
-If left in pit and plan to solidify what media	um will be used? (cement, lime, sawdust)
-Landfill or offsite name/permit number? _F	lease See Attachment "A"
	f Oil and Gas of any load of drill cuttings or associated waste rejected at any e provided within 24 hours of rejection and the permittee shall also disclose
on August 1, 2005, by the Office of Oil and Gas of the provisions of the permit are enforceable by law. Villaw or regulation can lead to enforcement action.  I certify under penalty of law that I have application form and all attachments thereto and	terms and conditions of the GENERAL WATER POLLUTION PERMIT issued the West Virginia Department of Environmental Protection. I understand that the iolations of any term or condition of the general permit and/or other applicable personally examined and am familiar with the information submitted on this that, based on my inquiry of those individuals immediately responsible for mation is true, accurate, and complete. I am aware that there are significant the possibility of fine or imprisonment.  **RECEIVED**  Office of Oil and Gas**
Company Official Signature	SEP 2 2 2021
Company Official (Typed Name) Hollie Medley	+0.5
Company Official Title Regulatory Manager	Environmental Protection
Subscribed and sworn before me this 940  Kustu Browle  My commission expires Aug. 10, 202	day of September, 2021, 20  Notary Public State of West Virginia Kristen Brooks Northeast Natural Energy LLC 48 Donley St., Suite 601 Morgantown, WV 26501 My Commission Expires Aug. 10, 2023

Operator's Well No. Phoenix 6H

Proposed Revegetation Treatme	ent: Acres Disturbed 72.29	Prevegetation pH 5-7	
Lime 2	Tons/acre or to correct to pH	7	
Fertilizer type 19-19-	-19		
Fertilizer amount 300	lbs/	/acre	
Mulch 2	Tons/ac	re	
	Seed	Mixtures	
Тетј	porary	Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Orchard Grass	46	Orchard Grass	46
Red Clover	8	Red Clover	8
TetraploidPerennia	Rye 16	Tetraploid Perennial Rye	16
T: 45 AF A	W 42 (A CA 42)	TOTAL CONTRACTOR OF THE CONTRACTOR	4.4
Maps(s) of road, location, pit ar provided). If water from the pit acreage, of the land application	nd proposed area for land applicat will be land applied, include dim area.	Timothy 15 Annual Rye	s info have been sions (L x W), and
Attach: Maps(s) of road, location, pit ar provided). If water from the pit acreage, of the land application Photocopied section of involved	and proposed area for land applicat will be land applied, include dim area. d 7.5' topographic sheet.	tion (unless engineered plans including thi	s info have been sions (L x W), and
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### Attachment A to WW-9

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

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

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

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

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

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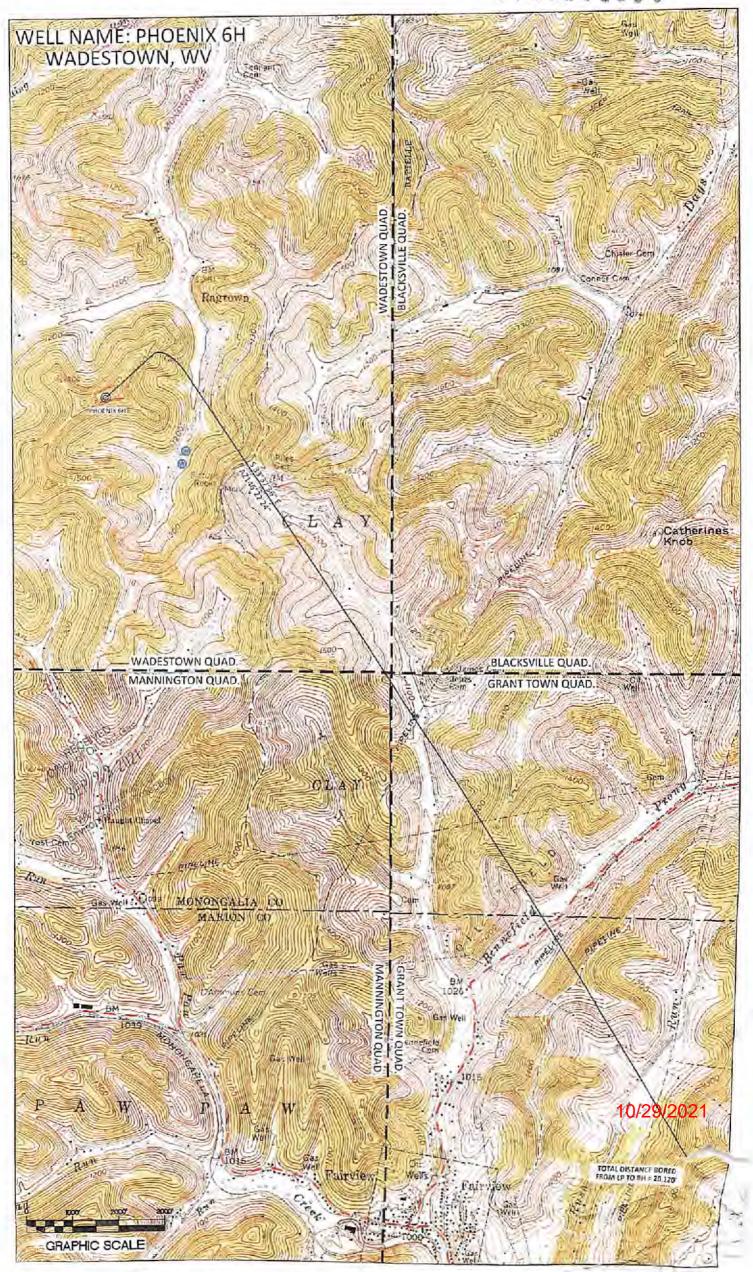
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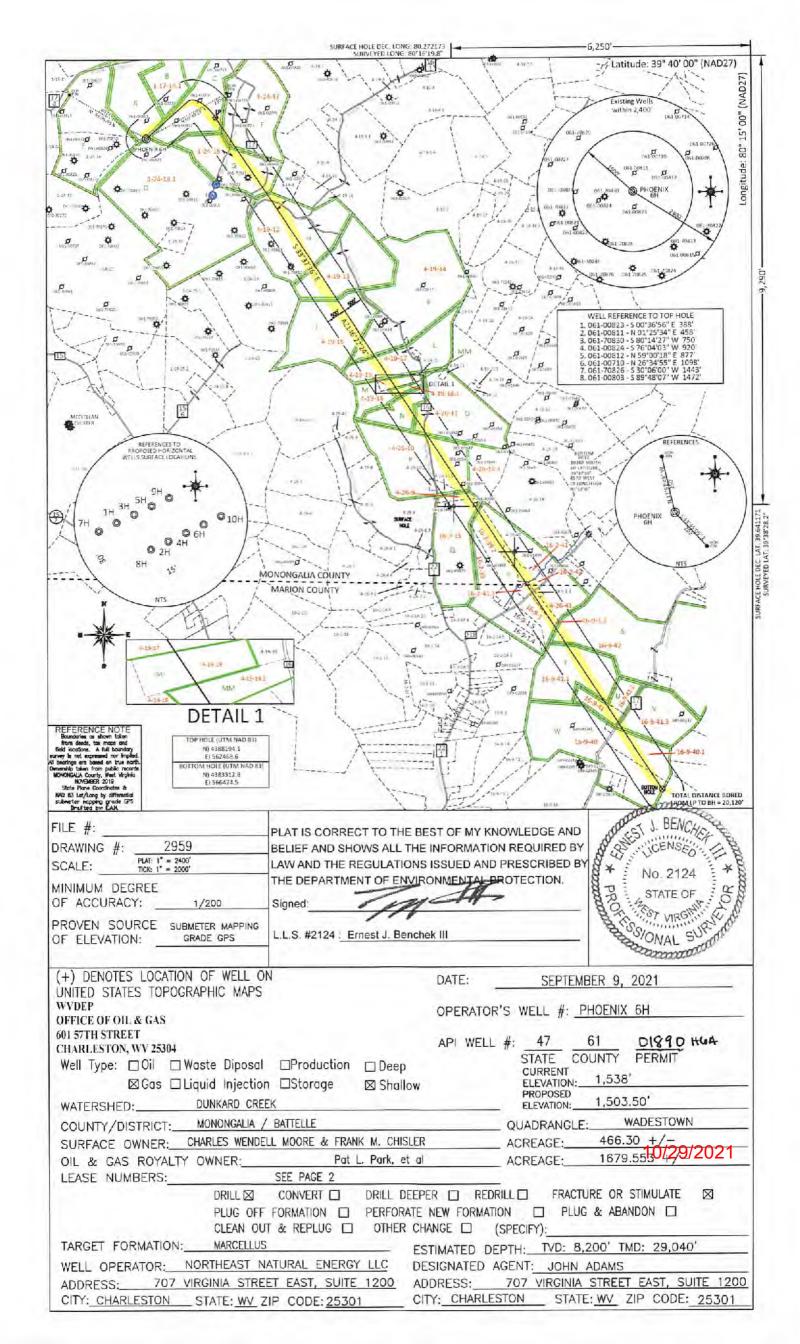
## Phoenix 6H Site Safety Plan

September 2021

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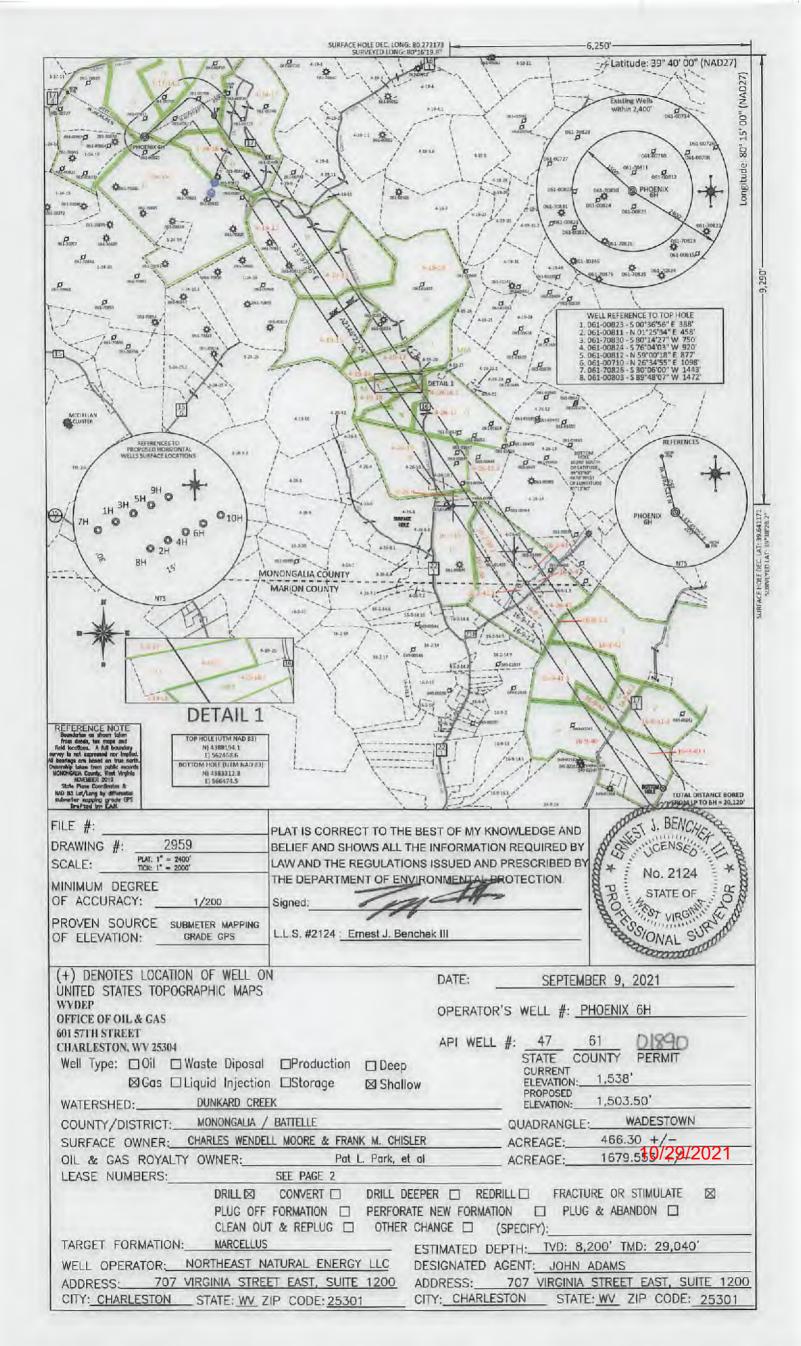


	PROPERTY OWNER INDEX
1-17-14.1	FRANK M. CHISLER
4-24-17	DAVID A POLING
1-24-18	JOHN RAYMOND & JENNIFER L. HORNSBY MYERS
4-19-12	EDITH L DARRAH
4-19-14	PENNY S QUICKLE
4-19-18	CAROLYN'S PAYTON
4-26-11	CAROLYN S PAYTON
4-19-15	TIMOTHY ALAN DARRAH
4-19-13	DOUGLAS L & DEBRA DARRAH
4-19-17	LEWIS M MAXWELL II & SHERRY E MAXWELL
4-19-19	LYDELL T & CONNIE S OWENS
4-19-18.1	LYDELL T & CONNIE S OWENS
4-26-10	BILLY C & BETTY A HAUGHT
4-26-10.3	WILLIAM R & KATHY L ICE
1-24-19.1	CHARLES WENDEL MOORE
4-26-9	GARY A & TAMMY L NICHOLSON
16-2-15	BILLY C & BETTY A HAUGHT
16-2-39.2	ROBERT E & LUELLA R CONAWAY
16-2-41	ROBERT E & LUELLA R CONAWAY
16-2-42	ROBERTA K ACUFF
16-2-38	ROBERT E & LUELLA R CONAWAY
16-2-41.1	HAROLD R BELL
4-26-41	THOMAS ALLEN KEANE JR & JUDITH LOUISE KEANE
16-9-1	THOMAS ALLEN KEANE JR & JUDITH LOUISE KEANE
16-9-1.2	FRANK J & HELEN R SCRITCHFIELD
16-9-42	JAMES P & URSULA A MCDONALD
16-9-41.1	JAMES R MOORE
16-9-41.2	JEFFREY J & SANDRA J MOORE
16-9-41	JEFFREY J & SANDRA J MOORE
16-9-41.3	ROYAL E & ELIZABETH J MOORE
16-9-40	JOHN & SANDRA J MOORE
16-9-40.1	ROYAL E & ELIZABETH J MOORE

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A	WV-061-004079-001		
В	WV-061-004079-001	N/E	WV-061-004956-011;
C	WV-061-003767-004	M	WV-061-005626-002
D	WV-061-004463-001	N	WV-061-004956-011
E	WV-061-004076-010	0	WV-061-004846-030
F	WV-061-005687-001	P	WV-061-005699-002
G	WV-061-005687-001	Q	WV-061-000146-001-LOI
H	WV-061-001730-004	R	WV-061-000146-001-LOI
1	WV-061-001941-031	5	WV-061-000146-001-LOI
J	WV-061-005588-001	T	WV-061-000146-001-LOI
K	WV-061-000146-001-LOI	U	WV-061-000146-001-LOI
L	WV-061-001422-002	V	WV-061-000145-001-LOI
		W	WV-061-000146-001-LOI

10/29/2021

FILE #: NEE14	DATE: SEPTEMBER 9, 2021		
DRAWING #:2959	OPERATOR'S WELL #: PHOENIX 6H		
SCALE:N/A	API WELL #: 47 61 01890 HUA		



	PROPERTY OWNER INDEX
1-17-14.1	FRANK M. CHISLER
4-24-17	DAVID A POLING
1-24-18	JOHN RAYMOND & JENNIFER L. HORNSBY MYERS
4-19-12	EDITH L DARRAH
4-19-14	PENNY S QUICKLE
4-19-18	CAROLYN S PAYTON
4-26-11	CAROLYN S PAYTON
4-19-15	TIMOTHY ALAN DARRAH
4-19-13	DOUGLAS L & DEBRA DARRAH
4-19-17	LEWIS M MAXWELL II & SHERRY E MAXWELL
4-19-19	LYDELL T & CONNIE S OWENS
4-19-18.1	LYDELL T & CONNIE S OWENS
4-26-10	BILLY C & BETTY A HAUGHT
4-26-10.3	WILLIAM R & KATHY LICE
1-24-19.1	CHARLES WENDEL MOORE
4-26-9	GARY A & TAMMY L NICHOLSON
16-2-15	BILLY C & BETTY A HAUGHT
16-2-39.2	ROBERT E & LUELLA R CONAWAY
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16-9-41.2	JEFFREY J & SANDRA J MOORE
16-9-41	JEFFREY J & SANDRA J MOORE
16-9-41.3	ROYAL E & ELIZABETH J MOORE
16-9-40	JOHN & SANDRA J MOORE
16-9-40.1	ROYAL E & ELIZABETH J MOORE

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A	WV-061-004079-001		
В	WV-061-004079-001	8.0	WV-061-004956-011;
C	WV-061-003767-004	M	WV-061-005626-002
D	WV-061-004463-001	N	WV-061-004956-011
E	WV-061-004076-010	0	WV-061-004846-030
F	WV-061-005687-001	P	WV-061-005699-002
G	WV-061-005687-001	Q	WV-061-000146-001-LOI
H	WV-061-001730-004	R	WV-061-000146-001-LOI
1	WV-061-001941-031	5	WV-061-000146-001-LOI
1	WV-061-005588-001	T	WV-061-000146-001-LOI
K	WV-061-000146-001-LOI	U	WV-061-000146-001-LOI
L	WV-061-001422-002	V	WV-061-000146-001-LOI
		W	WV-061-000146-001-LOI

10/29/2021

OPERATOR'S WELL #: PHOENIX 6H
OF ENVIOR OF WELL IF. THOUGHT OF
API WELL #: 47 61 OI890 STATE COUNTY PERMIT

WW-6A1	
(5/13)	

Operator's	Well	No.	Phoenix 6H

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

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

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

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

See attached

RECEIVED Office of Oil and Gas

SEP 2 2 2021

WV Department of Environmental Protection

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

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

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

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

Well Operator: Northeast Natural Energy, LLC

By: Hollie Medley

Its: Regulatory Manager

Page 1 of 12

Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
Α	WV-061-004079-001	Pat L. Park	Northeast Natural Energy, LLC	12.5% or Greater	1566	164
Α	WV-061-004446-002	Richard Nichols	Northeast Natural Energy, LLC	12.5% or Greater	1582	359
Α	WV-051-004446-001	John Nichols	Northeast Natural Energy, LLC	12.5% or Greater	1581	357
Α	WV-061-004446-003	Harold Tinker	Northeast Natural Energy, LLC	12.5% or Greater	1581	362
Α	WV-061-004079-002	Gordon E. Park, a/k/a Gordon Park	Northeast Natural Energy, LLC	12.5% or Greater	1565	582
Α	WV-061-004079-003	Paulette Park	Northeast Natural Energy, LLC	12.5% or Greater	1566	162
Α	WV-061-003767-004	ERP Federal Mining Complex, LLC	Northeast Natural Energy, LLC	12.5% or Greater	1564	86
В	WV-061-004079-001	Pat L. Park	Northeast Natural Energy, LLC	12.5% or Greater	1566	164
В	WV-061-004446-002	Richard Nichols	Northeast Natural Energy, LLC	12.5% or Greater	1582	359
В	WV-061-004446-001	John Nichols	Northeast Natural Energy, LLC	12.5% or Greater	1581	357
В	WV-051-004446-003	Harold Tinker	Northeast Natural Energy, LLC	12.5% or Greater	1581	362
В	WV-061-004079-002	Gordon E. Park, a/k/a Gordon Park	Northeast Natural Energy, LLC	12.5% or Greater	1565	582
В	WV-061-004079-003	Paulette Park	Northeast Natural Energy, LLC	12.5% or Greater	1566	162
В	WV-061-003767-004	ERP Federal Mining Complex, LLC	Northeast Natural Energy, LLC	12.5% or Greater	1564	86
C	WV-061-003767-004	ERP Federal Mining Complex, LLC	Northeast Natural Energy, LLC	12.5% or Greater	1564	86
D	WV-061-004463-001	Patricia A. Haught	Northeast Natural Energy LLC	12,5% or Greater	1585	207
D	WV-061-004463-006	Regina Sue White	Northeast Natural Energy LLC	12.5% or Greater	1589	799
D	WV-061-004463-014	Belva York	Northeast Natural Energy LLC	12.5% or Greater	1589	833
D	WV-051-004463-010	Gary K. Moore and Janice Moore	Northeast Natural Energy LLC	12.5% or Greater	1589	829
D	WV-061-004463-012	Eric R. Moore and Connie L. Moore	Northeast Natural Energy LLC	12.5% or Greater	1589	809
D	WV-061-004463-009	Karen Breedlove	Northeast Natural Energy LLC	12.5% or Greater	1589	805
D	WV-061-004463-007	Kathy Sue Breedlove	Northeast Natural Energy LLC	12.5% or Greater	1589	801
D	WV-061-004463-021	Robert C. Moore	Northeast Natural Energy LLC	12.5% or Greater	1591	288
D	WV-061-004463-008	្រា William K. Moore	Northeast Natural Energy LLC	12.5% or Greater	1589	803
D	WV-061-004463-011	Shirley Foster	Northeast Natural Energy LLC	12.5% or Greater	1589	807
D	WV-061-004463-013	Jackie Cotter	Northeast Natural Energy LLC	12.5% or Greater	1589	831
D	WV-061-004463-015	Ronald J. Haught	Northeast Natural Energy LLC	12.5% or Greater	1590	343
D	WV-061-004463-004	David M. Haught	Northeast Natural Energy LLC	12.5% or Greater	1588	434
D	WV-061-004463-017	Stanley L. Haught	Northeast Natural Energy LLC	12.5% or Greater	1591	280
D	WV-061-004463-003	Warren P. Haught	Northeast Natural Energy LLC	12.5% or Greater	1588	432
D	WV-061-004463-005	S Connie S, Leary	Northeast Natural Energy LLC	12.5% or Greater	1588	436
D	WV-061-004463-016	Robert N. Tennant	Northeast Natural Energy LLC	12.5% or Greater	1590	345
D	WV-061-004463-018	Louella K. Woods, a/k/a Louella Tennant	Northeast Natural Energy LLC	12.5% or Greater	1591	282
D	WV-061-004463-020	Belletta Kasha Haught	Northeast Natural Energy LLC	12.5% or Greater	1591	286
D	WV-061-004463-019	Dale Haught	Northeast Natural Energy LLC	12.5% or Greater	1591	284
D	WV-061-004463-022	Patricia L. Haught	Northeast Natural Energy LLC	12,5% or Greater	1591	543
D	WV-061-004463-024	Lena R. Hendershot	Northeast Natural Energy LLC	12.5% or Greater	1602	29
D	WV-061-005188-001	Robert K. Tennant	Northeast Natural Energy LLC	12.5% or Greater	1621	770
Е	WV-061-004076-010	Elizabeth C. Kiser	Northeast Natural Energy, LLC	12.5% or Greater	1565	197

Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
E	WV-061-004076-007	John Roy Post	Northeast Natural Energy, LLC	12.5% or Greater	1566	176
E	WV-061-004076-012	Robert Lee Post	Northeast Natural Energy, LLC	12.5% or Greater	1565	191
E	WV-061-004076-002	Martha Susan Post	Northeast Natural Energy, LLC	12,5% or Greater	1562	745
E	WV-061-004076-005	Mara Post Nichols	Northeast Natural Energy, LLC	12.5% or Greater	1566	533
E	WV 061-004076-009	Joshua Post	Northeast Natural Energy, LLC	12.5% or Greater	1565	193
E	WV-061-004076-011	Jennifer Clare Bottoni	Northeast Natural Energy, LLC	12.5% or Greater	1565	588
E	WV-061-004076-013	Tori Birch	Northeast Natural Energy, LLC	12.5% or Greater	1568	509
E	WV-061-004076-006	Seth Pirmann	Northeast Natural Energy, LLC	12.5% or Greater	1563	188
E	WV-061-004076-008	Stacy Pirmann	Northeast Natural Energy, LLC	12.5% or Greater	1565	195
E	WV-061-004076-001	Sadie Pirmann Werley	Northeast Natural Energy, LLC	12.5% or Greater	1562	743
E	WV-061-004076-004	Jamie Lyn Pirmann	Northeast Natural Energy, LLC	12.5% or Greater	1562	741
E	WV-061-004076-003	Addisville Reformed Church	Northeast Natural Energy, LLC	12.5% or Greater	1562	747
F	WV-061-005687-001	Lynda Reeves Williams, a/k/a Lynda Williams Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1719	699
É	WV-061-005743-001	Donald G. Tennant, II	Northeast Natural Energy, LLC	12.5% or Greater	1728	713
F	WV-061-005687-003	Craig A. Dintaman	Northeast Natural Energy, LLC	12.5% or Greater	1730	359
G	WV-061-005687-001	Lynda Reeves Williams, a/k/a Lynda Williams Tennant	Northeast Natural Energy, LLC	12.5% or Greater	1719	699
G	WV-061-005743-001	Donald G. Tennant, II	Northeast Natural Energy, LLC	12.5% or Greater	1728	713
G	WV-061-005687-003	Craig A. Dintaman	Northeast Natural Energy, LLC	12.5% or Greater	1730	359
H	WV-061-001730-004	Edith Louise Darrah	Northeast Natural Energy LLC	12,5% or Greater	1643	786
Н	WV-061-004258-002	Billy Carl Haught	Northeast Natural Energy LLC	12.5% or Greater	1570	721
H	WV-061-004258-001	Kenneth L. Haught	Northeast Natural Energy LLC	12.5% or Greater	1585	173
1	WV-061-001941-031	Wallace A. Saunders	Northeast Natural Energy, LLC	12.5% or Greater	1666	169
t	WV-061-001941-030	Donnally Miller	Northeast Natural Energy, LLC	12.5% or Greater	1662	779
1	WV-061-001941-027	Carol Franklin	Northeast Natural Energy, LLC	12.5% or Greater	1643	738
+-1£	WV-061-001941-026	Laura E. Miller	Northeast Natural Energy, LLC	12.5% or Greater	1642	809
1	WV-061-001941-028	Ruth Miller Roberts	Northeast Natural Energy, LLC	12.5% or Greater	1642	813
	WV-061-001941-023	Helen Fortney Fultz	Northeast Natural Energy, LLC	12.5% or Greater	1631	318
1	WV-061-001941-013	m Mabel G. Meyers	Northeast Natural Energy, LLC	12.5% or Greater	1607	450
1	WV-061-001941-019	Frieda C. McCaskill	Northeast Natural Energy, LLC	12.5% or Greater	1607	737 -
3	WV-061-001941-020	Mark D. Gregory	Northeast Natural Energy, LLC	12.5% or Greater	1607	739 <
	WV-061-001941-021	Charles B. Gregory  Norma Kay Gregory	Northeast Natural Energy, LLC	12.5% or Greater	1607	741 ©
64 D: []	WV-061-001941-011	Norma Kay Gregory	Northeast Natural Energy, LLC	12.5% or Greater	1607	446 >-
1	WV-061-001941-012	Wilbur G. Gregory	Northeast Natural Energy, LLC	12.5% or Greater	1607	448
	WV-061-001941-029	Patricial Ann Jones	Northeast Natural Energy, LLC	12.5% or Greater	1653	169
Ti-	WV-061-001941-017	Howard Keith Williams	Northeast Natural Energy, LLC	12.5% or Greater	1607	733 🔾
1	WV-061-001941-018	Scott Kahoon	Northeast Natural Energy, LLC	12.5% or Greater	1607	735 ℃
12-4	WV-061-001941-015	Susan Stephens	Northeast Natural Energy, LLC	12.5% or Greater	1607	454
1	WV-061-004973-005	Carl Kahoon	Northeast Natural Energy, LLC	12.5% or Greater	1685	30
-1.	WV-061-004973-002	Carey Kahoon Maynard	Northeast Natural Energy, LLC	12.5% or Greater	1680	593
1	WV-061-004973-003	Erica Kahoon Ledford	Northeast Natural Energy, LLC	12.5% or Greater	1683	649

Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
1)	WV-061-004973-004	Lisa Kahoon Vine	Northeast Natural Energy, LLC	12.5% or Greater	1683	263
1	WV-061-001941-009	Karen Noreen Harris	Northeast Natural Energy, LLC	12.5% or Greater	1607	440
	WV-061-001941-016	George Lloyd Cheripko	Northeast Natural Energy, LLC	12.5% or Greater	1607	731
F-1)(	WV-061-001941-014	Roger Franklin Williams	Northeast Natural Energy, LLC	12.5% or Greater	1607	452
.1	WV-061-001941-010	Mary H. Williams	Northeast Natural Energy, LLC	12.5% or Greater	1607	444
4	WV-061-001941-001	Madeline Doris Darrah	Northeast Natural Energy, LLC	12.5% or Greater	1391	763
1	WV-061-001941-002	Edith Louise Darrah	Northeast Natural Energy, LLC	12.5% or Greater	1396	110
	WV-061-001941-034	Douglas L. Darrah	Northeast Natural Energy, LLC	12.5% or Greater	1675	177
4	WV-061-001941-022	Randy G. Darrah	Northeast Natural Energy, LLC	12.5% or Greater	1611	652
1	WV-061-001941-007	Timothy Allen Darrah	Northeast Natural Energy, LLC	12.5% or Greater	1398	279
	WV-061-001941-005	Ellen Pearl Bolyard	Northeast Natural Energy, LLC	12.5% or Greater	1395	179
1	WV-061-001941-005	Pachira Energy, LLC	Northeast Natural Energy, LLC	12.5% or Greater	1395	179
11	WV-061-001941-008	Thomas LeRoy Eddy	Northeast Natural Energy, LLC	12.5% or Greater	1607	438
1	WV-061-005588-001	Timothy Alan Darrah	Northeast Natural Energy LLC	12.5% or Greater	1680	642
K	WV-061-000146-001-LOI	Penny Quickle, a/k/a Penny Suzan Quickle	EQT Production Corp	12.5% or Greater	1509	573
		EQT Production Corp	Northeast Natural Energy, LLC		1747	314
Ĺ	WV-061-001422-002	Deep Rock Mineral Group, LLC	Northeast Natural Energy, LLC	12.5% or Greater	1575	384
1	WV-061-001422-005	H & M Land and Mineral, Inc.	Northeast Natural Energy, LLC	12.5% or Greater	1684	424
L	WV-061-001422-004	Brendan J. McCarthy	Northeast Natural Energy, LLC	12.5% or Greater	1678	580
M	WV-061-004956-011; WV- 061-005626-002	Ellen Pearl Bolyard	Northeast Natural Energy LLC	12.5% or Greater	1623; 1692	415; 408
M	WV 061-004973-001; WV- 061-005626-007 WV-061-004956-018; WV-	Edith Louise Darrah	Northeast Natural Energy LLC	12.5% or Greater	1623; 1692	432; 418
M	WV-061-004956-018; WV-	Douglas L. Darrah	Northeast Natural Energy LLC	12.5% or Greater	1627; 1693	377; 672
M	WV-061-004956-013; WV- 061-005626-006	Madeline Doris Darrah	Northeast Natural Energy LLC	12.5% or Greater	1623; 1692	420; 416
M	WV-061-004956-012; WV- 061-005626-026	Randy G. Darrah	Northeast Natural Energy LLC	12.5% or Greater	1623; 1696	417; 224
M	WV-061-004956-020; WV- 061-005626-004	Timothy Allen Darrah	Northeast Natural Energy LLC	12.5% or Greater	1627; 1692	381; 412
M	WV-061-004956-010; WV- 061-005626-015	Norman Earl Eddy	Northeast Natural Energy LLC	12.5% or Greater	1623; 1693	413; 228
М	WV-061 004956-019; WV- 061-005626-016	E Thomas LaRoy Eddy	Northeast Natural Energy LLC	12.5% or Greater	1627; 1693	379; 670
М	WV-061-004956-002; WV- 061-005626-003	2021 G Charles B, Gregory	Northeast Natural Energy LLC	12,5% or Greater	1623; 1692	393; 410
М	WV-061-004956-014; WV- 061-005626-023	Mark D. Gregory	Northeast Natural Energy LLC	12.5% or Greater	1623; 1693	422; 684
M	WV-061-004956-005; WV- 061-005626-005	Norma Kay Gregory	Northeast Natural Energy LLC	12.5% or Greater	1623; 1692	399; 414
М	WV-061-004956-004; WV- 061-005626-012	Wilbur G. Gregory	Northeast Natural Energy LLC	12.5% or Greater	1623; 1696	397; 222

Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
М	WV-061-004956-006; WV- 061-005626-010	Mabel G. Meyers	Northeast Natural Energy LLC	12.5% or Greater	1607; 1692	450; 219
М	WV-061-004956-001; WV- 061-005626-021	Susan Stephens	Northeast Natural Energy LLC	12.5% or Greater	1623; 1693	391; 680
М	WV-061-004956-003; WV- 061-005626-022	Scott Kahoon	Northeast Natural Energy LLC	12.5% or Greater	1623; 1693	395; 682
М	WV-061-004973-005; WV- 061-005626-020	Carl Kahoon	Northeast Natural Energy LLC	12.5% or Greater	1685; 1693	30; 678
M	WV-061-004973-002; WV- 061-005626-024	Carey Kahoon Maynard	Northeast Natural Energy LLC	12.5% or Greater	1680; 1694	593; 619
М	WV-061-004973-003; WV- 061-005626-019	Erica Kahoon Ledford	Northeast Natural Energy LLC	12.5% or Greater	1683; 1693	649; 676
М	WV-061-004973-004; WV- 061-005626-025	Lisa Kahoon Vine	Northeast Natural Energy LLC	12.5% or Greater	1683; 1694	263; 628
M	WV-061-004956-017; WV- 061-005626-018	Howard Keith Williams	Northeast Natural Energy LLC	12.5% or Greater	1623; 1693	428; 674
M	WV-061-004956-016; WV- 061-005626-008	Roger Franklin Williams	Northeast Natural Energy LLC	12.5% or Greater	1623	426
N	WV-061-004956-011	Ellen Pearl Bolyard	Northeast Natural Energy LLC	12.5% or Greater	1623	415
N	WV-061-004973-001	Edith Louise Darrah	Northeast Natural Energy LLC	12.5% or Greater	1623	432
N	WV-061-004956-018	Douglas L. Darrah	Northeast Natural Energy LLC	12.5% or Greater	1627	377
N	WV-061-004956-013	Madeline Doris Darrah	Northeast Natural Energy LLC	12.5% or Greater	1623	420
N	WV-061-004956-012	Randy G. Darrah	Northeast Natural Energy LLC	12.5% or Greater	1623	417
N	WV-061-004956-009	Sarah E. Darrah Patricia Ann Jones and David L. Jones	Northeast Natural Energy LLC	12.5% or Greater	1623	411
N	WV-061-004956-020	Timothy Allen Darrah	Northeast Natural Energy LLC	12.5% or Greater	1627	381
N	WV-061-004956-010	Norman Earl Eddy	Northeast Natural Energy LLC	12.5% or Greater	1623	413
N	WV-061-004956-019	Thomas LeRoy Eddy	Northeast Natural Energy LLC	12.5% or Greater	1627	379
N	WV-061-004956-002	Charles B. Gregory  Mark D. Gregory	Northeast Natural Energy LLC	12.5% or Greater	1623	393
N	WV-061-004956-014	ー P の Mark D. Gregory	Northeast Natural Energy LLC	12.5% or Greater	1623	422
N	WV-061-004956-005	Norma Kay Gregory	Northeast Natural Energy LLC	12.5% or Greater	1623	399
N	WV-061-004956-004	Pae 2 웨덴 Wilbur G. Gregory	Northeast Natural Energy LLC	12.5% or Greater	1623	397
N	WV-061-004956-006	Mabel G. Meyers	Northeast Natural Energy LLC	12.5% or Greater	1607	450
N	WV-061-004956-001	Susan Stephens	Northeast Natural Energy LLC	12.5% or Greater	1623	391
N	WV-061-004956-003	Scott Kahoon	Northeast Natural Energy LLC	12.5% or Greater	1623	395
N	WV-061-004973-005	Carl Kahoon	Northeast Natural Energy LLC	12.5% or Greater	1685	30
N	WV-061-004973-002	Carey Kahoon Maynard	Northeast Natural Energy LLC	12.5% or Greater	1680	593
N	WV-061-004973-003	Erica Kahoon Ledford	Northeast Natural Energy LLC	12.5% or Greater	1683	649
N	WV-061-004973-004	Lisa Kahoon Vine	Northeast Natural Energy LLC	12.5% or Greater	1683	263
N	WV-061-004956-017	Howard Keith Williams	Northeast Natural Energy LLC	12.5% or Greater	1623	428

Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
N	WV-061-004956-016	Roger Franklin Williams	Northeast Natural Energy LLC	12.5% or Greater	1623	426
N	WV-061-004956-015	George Lloyd Cheripko	Northeast Natural Energy LLC	12.5% or Greater	1623	424
N	WV-061-004956-008	Karen Noreen Harris	Northeast Natural Energy LLC	12.5% or Greater	1623	409
0	WV 061-004846-030	Sheila K. Anderson	Northeast Natural Energy, LLC	12.5% or Greater	1637	234
0	WV-061-004846-012	Ruth Ann Burns	Northeast Natural Energy, LLC	12.5% or Greater	1618	322
Q	WV-061-004846-002	The Burns Family General Partnership	Northeast Natural Energy, LLC	12.5% or Greater	1612	391
Ω	WV-061-004846-025	Jason Keefover	Northeast Natural Energy, LLC	12.5% or Greater	1628	446
0	WV-061-004846-024	Sheri Orr	Northeast Natural Energy, LLC	12.5% or Greater	1628	443
0	WV-061-004846-017	Nora S. Corra	Northeast Natural Energy, LLC	12.5% or Greater	1620	7
0	WV-061-004846-015	Darrell Conaway	Northeast Natural Energy, LLC	12.5% or Greater	1618	328
0	WV-061-004846 016	Dwight Conaway	Northeast Natural Energy, LLC	12.5% or Greater	1618	330
0	WV-061-004846-014	John Conaway	Northeast Natural Energy, LLC	12.5% or Greater	1618	326
0	WV-061-004846-051	Juanita L. Hennen	Northeast Natural Energy, LLC	12.5% or Greater	1647	490
O	WV-061-004846-083	Patty Ann Darnell Zientara	Northeast Natural Energy, LLC	12.5% or Greater	1687	574
0	WV-061-00484G-070	Christopher Louis Darnell	Northeast Natural Energy, LLC	12.5% or Greater	1652	241
0	WV-061-004846-075	Julie Christine Stengel	Northeast Natural Energy, LLC	12.5% or Greater	1653	580
0	WV-061-004846-061	Kimberly Darlene Morrison Griffin	Northeast Natural Energy, LLC	12.5% or Greater	1650	205
0	WV-061-004846-060	Charles Michael Morrison	Northeast Natural Energy, LLC	12.5% or Greater	1650	195
0	WV-061-004846-057	Candace Ann Morrison Bunner	Northeast Natural Energy, LLC	12.5% or Greater	1650	189
0	WV-061-004846-065	Tawnya Michelle Morrison Royce	Northeast Natural Energy, LLC	12.5% or Greater	1650	203
0	WV-061-004846-066	Tamera Richelle Morrison	Northeast Natural Energy, LLC	12.5% or Greater	1649	280
0	WV-061-004846-060	Charles Arthur Morrison	Northeast Natural Energy, LLC	12.5% or Greater	1650	195
0	WV-061-004846-063	John Mac Morrison	Northeast Natural Energy, LLC	12.5% or Greater	1650	199
0	WV-061-004846-056	Elizabeth Ann Morrison Ayers May	Northeast Natural Energy, LLC	12.5% or Greater	1650	187
0	WV-061-004846-062	David Mitchell Morrison	Northeast Natural Energy, LLC	12.5% or Greater	1650	197
0	WV-061-004846-058	Barbara Joan Morrison Russell	Northeast Natural Energy, LLC	12.5% or Greater	1650	191
0	WV-061-004846-074	Betty T. Grant	Northeast Natural Energy, LLC	12.5% or Greater	1653	575
0	WV-061-004846-078	Paula Rae Morrison Whatley Nunes	Northeast Natural Energy, LLC	12.5% or Greater	1654	56
0	WV-061-004846-077	Michael Paul Morrison	Northeast Natural Energy, LLC	12.5% or Greater	1654	54
0	WV-061-004846-080 🖫	Deborah Lynn Watson Gubert	Northeast Natural Energy, LLC	12.5% or Greater	1658	630
0	WV-061-004846-073	∠ ⊆ Linda Lee Canaday Schultz	Northeast Natural Energy, LLC	12.5% or Greater	1654	50
0	WV-051-004846-068	Holly Lea King Swartz	Northeast Natural Energy, LLC	12.5% or Greater	1652	165
0	WV-061-004846-072		Northeast Natural Energy, LLC	12.5% or Greater	1654	48
0	WV-061-004846-076	Kelly Ann King Boggia  Kristal Dee King Tarkenton	Northeast Natural Energy, LLC	12.5% or Greater	1654	52
0	WV-061-004846-081	Joan Cusaac Carpenter	Northeast Natural Energy, LLC	12.5% or Greater	1558	648
0	WV-061-004846-071	Lois Ann Swisher Carpenter	Northeast Natural Energy, LLC	12.5% or Greater	1653	150
0	WV-061-004846-067	Judy Kay Carpenter Roberts	Northeast Natural Energy, LLC	12.5% or Greater	1652	163
0	WV-061-004846-053	John William Sharp, Jr.	Northeast Natural Energy, LLC	12.5% or Greater	1647	494
0	WV-061-004846-040	Rose Dale Haught	Northeast Natural Energy, LLC	12.5% or Greater	1640	617
0	WV-061-004846-047	Richard E. Wolfe	Northeast Natural Energy, LLC	12.5% or Greater	1643	546
0	WV-061-004846-046	Constance Sue Dabbs	Northeast Natural Energy, LLC	12.5% or Greater	1643	544
0	WV-061-004846-045	Michael Andrew Chaffin	Northeast Natural Energy, LLC	12.5% or Greater	1643	542

Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
0	WV-061-004846-055	Melody Karol Coehoon	Northeast Natural Energy, LLC	12.5% or Greater	1347	498
0	WV-061-004846-048	Ardella Louise Cottrill	Northeast Natural Energy, LLC	12.5% or Greater	1643	548
0	WV-061-004846-049	Richard Alvin LeBlond	Northeast Natural Energy, LLC	12.5% or Greater	1643	550
0	WV-061-004846-037	Norma Jean Brown	Northeast Natural Energy, LLC	12.5% or Greater	1637	730
0	WV-061-004846-032	Jimmy Michael McHenry	Northeast Natural Energy, LLC	12.5% or Greater	1636	791
0	WV-061-004846-079	Robert Wayne McHenry, Sr.	Northeast Natural Energy, LLC	12.5% or Greater	1655	619
0	WV-061-004846-054	Kimberly Kay McHenry	Northeast Natural Energy, LLC	12.5% or Greater	1647	496
0	WV-061-003976-022	Kenny Ray McHenry	Northeast Natural Energy, LLC	12.5% or Greater	1655	593
0	WV-061-004846-031	Rachelle A. Brown	Northeast Natural Energy, LLC	12.5% or Greater	1636	789
0	WV-061-004846-036	Robert Junior Brown, III	Northeast Natural Energy, LLC	12.5% or Greater	1636	799
0	WV-061-004546-033	Angela Brown	Northeast Natural Energy, LLC	12.5% or Greater	1636	793
0	WV-061-004846-034	Ashlee R. McHenry	Northeast Natural Energy, LLC	12.5% or Greater	1636	795
0	WV-061-004846-035	Gretchen E. Brown	Northeast Natural Energy, LLC	12.5% or Greater	1636	797
0	WV-061-004846-050	Ronald LeBlond	Northeast Natural Energy, LLC	12.5% or Greater	1643	552
0	WV-061-004846-064	Shane Bradley LeBlond	Northeast Natural Energy, LLC	12.5% or Greater	1650	201
0	WV-061-004846-043	Janet Kay Rinehard	Northeast Natural Energy, LLC	12.5% or Greater	1640	623
0	WV-061-004846-041	Vickie Lynn Blanchard	Northeast Natural Energy, LLC	12.5% or Greater	1640	619
0	WV-061-004846-042	Tedd Edward LeBlond	Northeast Natural Energy, LLC	12.5% or Greater	1640	621
0	WV-061-004846-069	Heather Watson Cogar	Northeast Natural Energy, LLC	12.5% or Greater	1652	167
0	WV-061-004846013	Suzan Jane Hood	Northeast Natural Energy, LLC	12.5% or Greater	1618	321
0	WV-061-004846-004	Donald W. Hines, Jr.	Northeast Natural Energy, LLC	12.5% or Greater	1613	152
0	WV-061-003976-021	Charlotte A. Britto	Northeast Natural Energy, LLC	12.5% or Greater	1638	508
0	WV-061-004846-005	Diana Lynn Hunt Moresea	Northeast Natural Energy, LLC	12.5% or Greater	1614	559
0	WV-061-004846-006	Vanessa Mae Hunt Sawyer	Northeast Natural Energy, LLC	12.5% or Greater	1614	561
0	WV-061-004846-052	Debra Ann Bentine Hunt	Northeast Natural Energy, LLC	12.5% or Greater	1647	436
0	WV-061-004846-011	Nancy B. Lawler	Northeast Natural Energy, LLC	12.5% or Greater	1618	708
0	WV-061-004846-009	(원 🙀 약 Robert Jennings Michael	Northeast Natural Energy, LLC	12.5% or Greater	1618	629
0	WV-061-003915-008	ਮੁਸ਼ਤ Judith J. Radcliff	Northeast Natural Energy, LLC	12.5% or Greater	1559	125
0	WV-061-004846-039	Aaron Shuman  Clarence Dean Sharp	Northeast Natural Energy, LLC	12.5% or Greater	1640	615
0	WV-061-004846-021		Northeast Natural Energy, LLC	12.5% or Greater	1623	121
0	WV-061-004846-020	Mary F. Snyder & William N. Snyder	Northeast Natural Energy, LLC	12.5% or Greater	1622	600
0	WV-061-003915-005	James Swiger	Northeast Natural Energy, LLC	12.5% or Greater	1560	258
0	WV-061-004846-082	John Swiger	Northeast Natural Energy, LLC	12.5% or Greater	1673	370
0	WV-061-004846-008	Gary S. Williams	Northeast Natural Energy, LLC	12.5% or Greater	1616	136
0	WV-061-004846-007	David Marshall Williams	Northeast Natural Energy, LLC	12.5% or Greater	1615	498
0	WV-061-004846-023	Timothy Paul Williams	Northeast Natural Energy, LLC	12.5% or Greater	1628	441
0	WV-061-004846-010	Margaret Ellen Wilson	Northeast Natural Energy, LLC	12.5% or Greater	1618	318
0	WV-061-004846-019	Linda D. Yoder	Northeast Natural Energy, LLC	12.5% or Greater	1620	11
0	WV-061-004846-022	Fielding H. Yost, III	Northeast Natural Energy, LLC	12.5% or Greater	1627	365
0	WV-061-004846-038	Kenneth D. Cameron	Northeast Natural Energy, LLC	12.5% or Greater	1638	540
0	WV-061-004846-026	Sarah H. Scurlock	Northeast Natural Energy, LLC	12.5% or Greater	1631	269
0	WV-061-004846-018	Lisa Shuman Zweifel	Northeast Natural Energy, LLC	12.5% or Greater	1620	9

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Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page	
Р	WV-061-005699-002	Collingwood Appalachian Minerals I, LLC	Northeast Natural Energy, LLC	12.5% or Greater	1743	472	
Р	WV-061-005699-003	Collingwood Appalachian Minerals III, LLC.	Northeast Natural Energy, LLC	12.5% or Greater	1743	474	
Q	WV-061-000146-001-LOI	Brookever et al	South Penn Oil Company	12.5% or Greater	See Lease	See Leasehold Chain	
R	WV-061-000146-001-LOI	P.B. Amos Lease	South Penn Oil Company	12.5% or Greater	See Lease	hold Chain	
S	WV-061-000146-001-LOI	Tennant et al	T.J Vandergrift	12.5% or Greater	See Lease	hold Chain	
T	WV-061-000146-001-LOI	James Russell Moore	EQT Production Corp	12.5% or Greater	1126	321	
		EQT Production Corp	Northeast Natural Energy, LLC	12.5% or Greater	1289	340	
U	WV-061-000146-001-LOI	Jeffrey John Moore & Sandra Jean Moore	EQT Production Corp	12.5% or Greater	1149	29	
		EQT Production Corp	Northeast Natural Energy, LLC	12.5% or Greater	1289	340	
٧	WV-061-000146-001-LOI	Royal E. Moore and Elizabeth Jo Ann Moore	EQT Production Corp	12.5% or Greater	1126	934	
		EQT Production Corp	Northeast Natural Energy, LLC	12.5% or Greater	1289	340	
W	WV-061-000146-001-LOI	Turner Family Trust	Waco Oil & Gas Co., Inc. and Mike Ross, Inc.	12.5% or Greater	See Leasehold Chair		

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Grantor, Lessor, etc.	Grantee, Lessee, etc.	Book Type	Book	Page
Brookever et al	South Penn Oil Company	Deed	120	93
South Penn Oil Company	Pennzoil Company	Certificate Book	50	573
Pennzoil Company	Pennzoil Products Company	Assignment	874	1169
Pennzoil Products Company	Pennzoil Exploration and Production Company	Deed	949	854
Pennzoil Exploration and Production Company	Pennzenergy Exploration and Production, LLC	Certificate on Incorporation	52	517
Pennzenergy Exploration and Production, LLC	Devon Energy Production, LP	Certificate on Incoporation	53	317
Devon Energy Production, LP	East Resources, Inc.	Deed	965	371
East Resources, Inc.	HG Energy, LLC	Assignment	40	825
East Resources, Inc. & HG Energy, LLC	Amercian Energy - Marcellus, LLC	Assignment	47	692
Amercian Energy - Marcellus, LLC	Ascent Resources - Marcellus, LLC	Certificate on Merger, Marion Co, WV	67	847
Amercian Energy - Marcenus, LLC	Ascent Resources - Iviarcellus, LLC	VV V	0/	047
Ascent Resources - Marcellus, LLC	EQT Production Company	Assignment	52	99
EQT Production Company	Northeast Natural Energy, LLC	Deed	1289	340

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WW Department of Environmental Protection



Grantor, Lessor, etc.	Grantee, Lessee, etc.	Book Type	Book	Page
P. B Amos	South Penn Oil Company	Deed	51	107
South Penn Oil Company	South Penn Natural Gas	Deed	353	201
South Penn Natural Gas	South Penn Oil Company	Deed	616	343
South Penn Oil Company	Pennzoil Company	WV Secretary of State * 7/31/1		/1963
Pennzoil Company	Pennzoil Products Company	Assignment	11	349
Pennzoil Products Company	Pennzoil Exploration and Prodcution Company	Deed	949	854
Pennzoil Exploration and Prodcution Company	PennzEnergy Exploration and Production Compnay	WV Secretary of State	retary of State *3/3/1999	
PennzEnergy Exploration and Production Compnay	Devon Energy Production Company	WV Secretary of State *10/25/2		5/2000
Devon Energy Production Company	East Resources, Inc.	Deed	965	371
East Resources, Inc.	HG Energy, LLC	Assignment	40	825
East Resources, Inc. & HG Energy, LLC	Amercian Energy - Marcellus, LLC	Assignment	47	692
Amercian Energy - Marcellus, LLC	Ascent Resources - Marcellus, LLC	Certificate on Merger, Marion Co, WV	67	847
Ascent Resources - Marcellus, LLC	EQT Production Company	Assignment	52	99
EQT Production Company	Northeast Natural Energy, LLC	Deed	1289	340



Grantor, Lessor, etc.	Grantor, Lessor, etc. Grantee, Lessee, etc.		Book	Page
R.D. Tennant & Elzena Tennant	I T.I. Vandergrift I		46	233
T.J. Vandergrift	J.I. Buchanan	Deed	46	239
J.I. Buchanan	Jacob J. Vandergrift & W.J. Young	Deed	46.5	575
Jacob J. Vandergrift	W.J. Young	Deed	49	358
W.J. Young	South Penn Oil Company	Deed	49	367
South Penn Oil Company	South Penn Natural Gas Company	Deed	353	201
South Penn Natural Gas Company	Pennzoil Company	Certificate Book	50	573
Pennzoil Company	Pennzoil United , Inc.	Deed	726	74
Pennzoil Products Company	Pennzoil Exploration and Prodcution Company	Deed 949		854
Pennzoil Exploration and Prodcution Company	PennzEnergy Exploration and Production Compnay	WV Secretary of State		*3/3/1999
PennzEnergy Exploration and Production Compnay	Devon Energy Production Company	WV Secretary of State		*10/25/2000
Devon Energy Production Company	East Resources, Inc.	Deed	965	371
East Resources, Inc.	HG Energy, LLC	Assignment	40	825
East Resources, Inc. & HG Energy, LLC	nc. & HG Amercian Energy - Marcellus,		47	692
Amercian Energy - Marcellus, LLC	Ascent Resources - Marcellus, LLC	Merger	68	43
Ascent Resources - Marcellus, LLC	EQT Production Company	Assignment	52	99
EQT Production Company	Northeast Natural Energy, LLC	Deed	1289	340

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Grantor, Lessor, etc.	Grantee, Lessee, etc.	Book Type	Book	Page
Turner Family Trust	Waco Oil & Gas Co., Inc. and Mike Ross, Inc.	Deed	1010	898
Waco Oil & Gas Co., Inc. and Mike Ross, Inc.	XTO Energy, Inc.	Assignment	42	37
XTO Energy, Inc.	EQT Production Copmany	Assignment	49	818
EQT Production Company	Northeast Natural Energy, LLC	Deed	1289	340

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WV Department of Environmental Protection



September 14, 2021

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

RE: Phoenix South

Dear Permit Reviewer:

Please be advised that Northeast Natural Energy LLC has the right to drill, extract and produce the minerals beneath Coley Toothman Rd., Miracle Run Rd (16), Rush Run Rd. (17/1), Daybrook Rd. (22/1), Wendell Lane, and Route 218 as identified on the included plats.

Sincerely

Charles Dornetto

Manager - Land Operations

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SEP 2 2 2021

Date of Notice Certification: 09/15/2021

### 4706101890

API No. 47-\_\_\_\_-

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

		Operator's	s Well No. <u>6H</u> _				
		Well Pad I	Well Pad Name: Phoenix				
Notice has b	een given:						
Pursuant to th	e provisions in West Virginia Code	§ 22-6A, the Operator has provided the re-	quired parties v	vith the Notice Forms listed			
	tract of land as follows:	-					
State:	West Virginia	UTM NAD 83 Easting:	562468.6				
County:	Monongalia	Northing:	4388194.1				
District:	Battelle	Public Road Access:	Graveyard Hill/R	loute 15/2			
Quadrangle:	Wadestown	Generally used farm name:	Phoenix				
Watershed:	Dunkard Creek						
prescribed by it has provide information re of giving the requirements Virginia Code	the secretary, shall be verified and set the owners of the surface described directions (b) and (c), so surface owner notice of entry to su of subsection (b), section sixteen of	every permit application filed under the shall contain the following information: (1) bed in subdivisions (1), (2) and (4), subsection sixteen of this article; (ii) that the reservey pursuant to subsection (a), section of this article were waived in writing by tender proof of and certify to the secretary int.	4) A certificati section (b), sec equirement was ten of this arti the surface ov	on from the operator that (i) ction ten of this article, the deemed satisfied as a result cle six-a; or (iii) the notice wher; and Pursuant to West			
that the Ope	rator has properly served the require	perator has attached proof to this Notice Cod parties with the following:	Certification	OOG OFFICE USE			
*PLEASE CHE	CK ALL THAT APPLY			ONLY			
☐ 1. NOT	TICE OF SEISMIC ACTIVITY or	■ NOTICE NOT REQUIRED BECA SEISMIC ACTIVITY WAS CONDUC		☐ RECEIVED/ NOT REQUIRED			
■ 2. NO	TICE OF ENTRY FOR PLAT SURV	VEY or $\square$ NO PLAT SURVEY WAS C	ONDUCTED	RECEIVED			
■ 3. NO	TICE OF INTENT TO DRILL or	☐ NOTICE NOT REQUIRED BECA NOTICE OF ENTRY FOR PLAT SUR WAS CONDUCTED or		RECEIVED/ NOT REQUIRED			
		☐ WRITTEN WAIVER BY SURFA (PLEASE ATTACH)	CE OWNER				
■ 4. NO	TICE OF PLANNED OPERATION			RECEIVED			
■ 5. PUB	LIC NOTICE	RECEIVED Office of Oil and Ga	s	I RECEIVED			
■ 6. NO	TICE OF APPLICATION	SEP 2 2 2021		RECEIVED			
		WV Department of Environmental Protect	tion				

### 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.

### Certification of Notice is hereby given:

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

 Well Operator:
 Northeast Natural Energy, LLC
 Address:
 707 Virginia St. E., Suite 1200

 By:
 Hollie Medley
 Charleston, WV 25301

 Its:
 Regulatory Manager
 Facsimile:
 304-241-5972

 Telephone:
 304-241-5752
 Email:
 hmedley@nne-llc.com

OFFICIAL SEAL
NOT NOT NEW PUBLIC
STATE OF WEST VIRGINIA
Kristen Brooks
Northeast Natural Energy LLC
48 Donley St., Suite 601
Morgantown, WV 26501
My Commission Expires Aug 10, 2023

Subscribed and sworn before me this 5 day of September 202

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 <a href="mailto:deprivacyofficer@wv.gov">deprivacyofficer@wv.gov</a>.

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SEP 2 2 2021

WW-6A (9-13)

API NO. 47	
OPERATOR WELL	NO. 6H
Well Pad Name: Pho	enix

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

Noti	oo Timo Daquirome		no later than	the filing date of permit app	olication.	
	<del>-</del>				, incations	
	e of Notice: <u>4/10/2</u> ce of:	Date Permit Application	n Filed: <u>4/2</u>	<u>10/2</u> 1		
<b>7</b>	PERMIT FOR AN	<del></del>		ROVAL FOR THE N IMPOUNDMENT OR PIT		
Deli	very method pursu	ant to West Virginia Code	§ 22-6A-10(	<b>b</b> )		
	PERSONAL SERVICE	✓ REGISTERED MAIL		OD OF DELIVERY THAT REPT OR SIGNATURE CONFIR	-	
regis sedir the soil are description of the soil are description of the soil are described by the sediment of	tered mail or by any a ment control plan requ urface of the tract on and gas leasehold bein ribed in the erosion and actor or lessee, in the ele- e coal seams; (4) The work, if the surface to condition the surface to a water well, spring of ide water for consum- osed well work activi- tection (b) of this secti- des of the sheriff requision of this article to the R. § 35-8-5.7.a requirement.	method of delivery that require uired by section seven of this a which the well is or is proposed and sediment control plan submevent the tract of land on which owners of record of the surfact ract is to be used for the place scribed in section nine of this or water supply source located ption by humans or domestic at its to take place. (c)(1) If motion hold interests in the lands, iired to be maintained pursuant the contrary, notice to a lien huires, in part, that the operator	es a receipt or article, and the sed to be locate well work, if in initted pursuars the the well pro- centract or trace ement, constru- article; (5) And d within one to animals; and one than three the applicant to section eitholder is not re- r shall also pro-	as required by this article shall signature confirmation, copies e well plat to each of the followed; (2) The owners of record of the surface tract is to be used font to subsection (c), section severages to be drilled is located [section enlargement, alteration, rany surface owner or water purvents of the operator of any natural section, in common or other common or other common or other common enlargement, alteration, rany serve the documents required that in common or other common or other common or other common enlargement, article one, chapter eleventotice to a landowner, unless the ovide the Well Site Safety Plan is provided in section 15 of this	of the application, the ring persons: (1) The of the surface tract or tractor roads or other land den of this article; (3) This ic] is known to be undered being developed repair, removal or abareyor who is known to the center of the well paragas storage field withing as storage field withing a field upon the person dea of this code. (2) Note lien holder is the land ("WSSP") to the surface.	e erosion and owners of record of acts overlying the disturbance as the coal owner, derlain by one or d by the proposed indonment of any the applicant to d which is used to in which the escribed in the twithstanding any downer. W. Va.
	••			☑ Well Plat Notice is here!	-	
	JRFACE OWNER(s	5)		COAL OWNER OR LESSI		
Add	e: see attached			Name: see attached Address:	Offic	RECEIVED ce of Oil and Gas
Nam	e:			COAL OPERATOR Name: Address:	) [	EP 2 2 2021
Add	ress:			Name:		Department of
ZI SI	IRFACE OWNER(s	(Road and/or Other Distur	hance)	Address.	Environ	mental Protection
	· · · · · · · · · · · · · · · · · · ·		ourree)	SURFACE OWNER OF W		
				AND/OR WATER PURVEY		
				N.T		
Nam	e:			Address:		
Addı	ress:					
				OPERATOR OF ANY NA		AGE FIELD
	,	) (Impoundments or Pits)		Name:		
Nam	e:			Address:		
Addi	C33.			*Please attach additional form	a if necessary	

WW-6A (8-13) API NO. 47OPERATOR WELL NO. 6H
Well Pad Name: Phoenix

### Notice is hereby given:

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

#### This Notice Shall Include:

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

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

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

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

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

#### Well Location Restrictions

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

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

### Water Well Testing:

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

### Water Testing Laboratories:

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

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

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

### Written Comment:

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

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

Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water. NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

WW-6A (8-13) 4 7 0 6 1 0 1 8 9 0
API NO. 47OPERATOR WELL NO. 6H
Well Pad Name: Phoenix

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

### Permit Denial or Condition

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

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

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

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

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SEP 2 2 2021

WW-6A (8-13)

API NO. 47-OPERATOR WELL NO. 6H Well Pad Name: Phoenix

Notice is hereby given by:

Well Operator: Northeast Natural Energy LLC

Telephone:

304-241-5752 Email: hmedley@nne-llc.com

Address: 707 Virginia St. 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
NOTARY PUBLIC
STATE OF WEST VIRGINIA
Kristen Brooks
Northeast Natural Energy LLC
48 Donley St., Suite 601
Morgantown, WV 26501
My Commission Expires Aug. 10, 2023

Subscribed and sworn before me this 9th day of September, 2021

Krustun Brooks

Notary Public

My Commission Expires Aug. 10, 2023

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WW-6A Attachment Phoenix 6H

### SURFACE OWNER(s)

Charles Wendell Moore 243 Wendell Lane Fairview, WV 26570

Franklin M. Chisler 1651 Days Run Rd. Fairview, WV 26570

Phoenix Energy Resources, LLC a.k.a. Phoenix Federal No 2 Mining, LLC 863 Quail Valley Drive Princeton, WV 24740

# <u>SURFACE OWNERS(s)</u> (Road and/or Other <u>Disturbances</u>)

Hilda J. Donaldson 15 Aviator Way Fairmont, WV 26554

Mary Walls 26 Log Cabin Lane Bridgeport, WV 26330

Kevin Ammons 3388 Crossroads Rd. Fairview, WV 26570

Elizabeth Ann Durr & Randy L Durr 11 Jordan Lane Morgantown, WV 26501

# SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR

Charles Wendell Moore 243 Wendell Lane Fairview, WV 26570

### **COAL OWNER OR LESSEE**

Phoenix Energy Resources, LLC a.k.a. Phoenix Federal No 2 Mining, LLC 863 Quail Valley Drive Princeton, WV 24740

### **DECLARATION OF OIL AND GAS NOTICE**

Consolidation Coal Company c/o Leatherwood Inc. 1000 Consol Energy Drive Canonsburg, PA 15317

Office of Oil and Gas

SEP 2 2 2021

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

	equirement:	rouce shan be prov	race at reast DE ( Er ( r) days out no more than a	FORTY-FIVE (45) days prior to
entry Date of Notice:	5/21/20	Date of Plan	nned Entry: 5/28/20	
Dalivary mathe	nd pureuant t	to West Virginia C	ode 8 22-64-10a	
Denvery metho	ou pursuant i	in west virginia C	oue § 22-04-10a	
☐ PERSONA	AL 🔳	REGISTERED	☐ METHOD OF DELIVERY THAT REQ	
SERVICE		MAIL	RECEIPT OR SIGNATURE CONFIRM	ATION
on to the surface but no more that beneath such tra owner of miner and Sediment C Secretary, whice enable the surface	te tract to cond an forty-five d act that has fil- als underlying Control Manua th statement sl ace owner to co	duct any plat survey ays prior to such en led a declaration pur g such tract in the co al and the statutes ar hall include contact obtain copies from the	Prior to filing a permit application, the operator sless required pursuant to this article. Such notice shattry to: (1) The surface owner of such tract; (2) to resuant to section thirty-six, article six, chapter two pounty tax records. The notice shall include a state and rules related to oil and gas exploration and prodinformation, including the address for a web page the secretary.	all be provided at least seven days any owner or lessee of coal seams enty-two of this code; and (3) any ement that copies of the state Erosion duction may be obtained from the
Notice is hereb			☐ COAL OWNER OR LESS	SEE
Name: See Attach				
			Name:Address:	
				RECEIVED Office of Oil and Gas
Name:			- DAMERAL ONATEDA	Office of Off and Gas
				SEP 2 2 2021
Name:			Name:	
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Address:			_	Environmental Protection
Address;			*please attach additional forms if neces	Environmental Protection
Notice is here Pursuant to We a plat survey or State: County:	eby given: st Virginia Co n the tract of l West Virginia Monongalia	ode § 22-6A-10(a), 1	"please attach additional forms if necessary notice is hereby given that the undersigned well of Approx. Latitude & Longitude:  Public Road Access:	ssary
Notice is here Pursuant to We a plat survey or State: County: District:	eby given: st Virginia Co n the tract of I West Virginia Monongalia Battelle	ode § 22-6A-10(a), 1 and as follows:	"please attach additional forms if necessary notice is hereby given that the undersigned well of Approx. Latitude & Longitude:  Public Road Access:  Watershed:	operator is planning entry to conduct 89.641344, -80.271934 CR 15 Dunkard Creek
Notice is here Pursuant to We a plat survey or State: County: District:	eby given: st Virginia Co n the tract of I West Virginia Monangalia	ode § 22-6A-10(a), and as follows:	*please attach additional forms if necessary  notice is hereby given that the undersigned well of Approx. Latitude & Longitude:  Public Road Access:  Watershed:	operator is planning entry to conduct 19.641344, -80.271934 CR 15
Notice is here Pursuant to We a plat survey or State: County: District: Quadrangle: Copies of the st may be obtaine Charleston, We	eby given: set Virginia Con the tract of I West Virginia Monongalia Battelle Wadestown  tate Erosion and d from the Se V 25304 (304	ode § 22-6A-10(a), and as follows:  nd Sediment Controcretary, at the WV I-926-0450). Copies	"please attach additional forms if necessary notice is hereby given that the undersigned well of Approx. Latitude & Longitude:  Public Road Access:  Watershed:	pperator is planning entry to conduct  99.641344, -80.271934  OR 15  Dunkard Creek  Phoenix  and gas exploration and production riters, located at 601 57 <sup>th</sup> Street, SE,
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Notice is here Pursuant to We a plat survey or State: County: District: Quadrangle: Copies of the st may be obtaine Charleston, Wy obtained from t  Notice is here Well Operator:	eby given: est Virginia Con the tract of I West Virginia Monongalia Battelle Wadestown tate Erosion and d from the Se V 25304 (304 the Secretary I	ode § 22-6A-10(a), and as follows:  nd Sediment Controcretary, at the WV I-926-0450). Copies by visiting www.der	*please attach additional forms if necessary in the second control of the second control	pperator is planning entry to conduct  89.641344, -80.271934  CR 15  Dunkard Creek  Phoenix  and gas exploration and production reers, located at 601 57 <sup>th</sup> Street, SE,
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### Oil and Gas Privacy Notice:

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

### **WW-6A3** Attachment

Phoenix Pad

### **SURFACE OWNER(s)**

√ Kevin Ammons 3388 Crossroads Rd. Fairview, WV 26570

Phoenix Energy Resources, LLC a.k.a.
Phoenix Federal No 2 Mining, LLC
863 Quail Valley Drive
Princeton, WV 24740

Charles Wendell Moore

✓ 243 Wendell Lane
Fairview, WV 26570

Franklin M. Chisler 1651 Days Run Rd. Fairview, WV 26570

Mary Walls 26 Log Cabin Lane Bridgeport, WV 26330

Hilda J. Donaldson 12 Klondike Lane Fairview, WV 26570

Elizabeth Ann Durr & Randy L Durr11 Jordan LaneMorgantown, WV 26501

√ John Raymond Myers & Jennifer Hornsby-Myers 1953 Miracle Run Rd. Fairview, WV 26570

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

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

Notice Time Date of Notic	Requirement: Notice shall be provided te: 09/10/2021 Date Pe	at least TEN (10) days prior to filing a ermit Application Filed: 09/20/2021	permit application.
Delivery met	hod pursuant to West Virginia Code §	22-6A-16(b)	
☐ HAND	■ CERTIFIED MAIL		
DELIVE		COLLECTED	
DISLIVE	RETURN RECEIFT RE	QUESTED	
receipt reque- drilling a hor of this subsec- subsection mand if availab	sted or hand delivery, give the surface over izontal well: Provided, That notice give tion as of the date the notice was provided by be waived in writing by the surface over the facsimile number and electronic mail	when notice of its intent to enter upon the pursuant to subsection (a), section to the surface owner: <i>Provided, how</i> when. The notice, if required, shall included address of the operator and the operator	an operator shall, by certified mail return he surface owner's land for the purpose of en of this article satisfies the requirements wever, That the notice requirements of this ude the name, address, telephone number, or's authorized representative.
	reby provided to the SURFACE O		
Name: See /	itached		
Address:		Address:	
-			
State:	wher's land for the purpose of drilling a h	norizontal well on the tract of land as for UTM NAD 83 Easting: Northing:	bllows: 562468.6 4388194.1
County: District:	Monongalia  Battelle	Public Road Access:	Graveyard Hill/Route 15/2
Quadrangle:	Wadestown	Generally used farm name:	Phoenix
Watershed:	Dunkard Creek	Generally used farm fiame.	PROBIN
This Notice Pursuant to Y	Shall Include: West Virginia Code § 22-6A-16(b), thinber and electronic mail address of the	operator and the operator's authorize	ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters,
located at 60	57 <sup>th</sup> Street, SE, Charleston, WV 25304	(304-926-0450) or by visiting <u>www.de</u>	ep.wv.gov/oil-and-gas/pages/default.aspx
	reby given by:		
Well Operato	T: Northeast Natural Energy	Authorized Representative:	Hollie Medley, Regulatory Manager
Address:	707 Virginia St. E., Suite 1200	Address:	48 Donley St., Suite 601
	Charleston, WV 25301		Morgantown, WV 26501
Telephone:	304-414-7060	Telephone:	304-241-5752
Email:		Email:	hmedley@nne-lic.com
Facsimile:	304-414-7061	Facsimile:	304-241-5972
Oil and Cas	Drivoev Notice		

Oil and Gas Privacy Notice:

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

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WV Department of Environmental 70/29/2021

### WW-6A4 Attachment

### SURFACE OWNER(s)

Charles Wendell Moore 4 243 Wendell Lane Fairview, WV 26570

Franklin M. Chisler 1651 Days Run Rd. Fairview, WV 26570

Phoenix Energy Resources, LLC a.k.a. Phoenix Federal No 2 Mining, LLC 863 Quail Valley Drive Princeton, WV 24740

Hilda J. Donaldson 15 Aviator Way Fairmont, WV 26554

Mary Walls 26 Log Cabin Lane Bridgeport, WV 26330

Kevin Ammons 3388 Crossroads Rd. Fairview, WV 26570

Elizabeth Ann Durr & Randy L Durr 11 Jordan Lane Morgantown, WV 26501

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SEP 2 2 2021

WW-6A5 (1/12)

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

Notice Time Date of Notic	e: 09/10/2021 Date Perm	nit Application Filed: 09/20/2021	
Delivery met	hod pursuant to West Virginia Co	de § 22-6A-16(c)	
	FIED MAIL RN RECEIPT REQUESTED	HAND DELIVERY	
eturn receipt he planned of equired to be Irilling of a lamages to the d) The notice of notice.	requested or hand delivery, give the operation. The notice required by the provided by subsection (b), section norizontal well; and (3) A proposed se surface affected by oil and gas operes required by this section shall be given by the section of	surface owner whose land will be us his subsection shall include: (1) A ten of this article to a surface owner surface use and compensation agrees trations to the extent the damages are tiven to the surface owner at the address	application, an operator shall, by certified mail sed for the drilling of a horizontal well notice of copy of this code section; (2) The information whose land will be used in conjunction with the ement containing an offer of compensation for compensable under article six-b of this chapter. sess listed in the records of the sheriff at the time
	eby provided to the SURFACE OV s listed in the records of the sheriff a		
Name: See attac Address:	ched	Name; Address:	
Name: See attar Address:  Notice is here Pursuant to W operation on State: County:	eby given: Vest Virginia Code § 22-6A-16(e), not the surface owner's land for the purpose West Virginia	Name; Address:  Dotice is hereby given that the undersignose of drilling a horizontal well on to the control of	ng: 562468.6 ing: 4388194.1
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Oil and Gas Privacy Notice:

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

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### WW-6A5 Attachment

Phoenix Pad

### SURFACE OWNER(s)

Kevin Ammons 3388 Crossroads Rd. Fairview, WV 26570

Phoenix Energy Resources, LLC a.k.a. Phoenix Federal No 2 Mining, LLC 863 Quail Valley Drive Princeton, WV 24740

Charles Wendell Moore 243 Wendell Lane Fairview, WV 26570

Franklin M. Chisler 1651 Days Run Rd. Fairview, WV 26570

Mary Walls 26 Log Cabin Lane Bridgeport, WV 26330

Hilda J. Donaldson 12 Klondike Lane Fairview, WV 26570

Elizabeth Ann Durr & Randy L Durr 11 Jordan Lane Morgantown, WV 26501

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WV Department of Environmental Protection



### WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

## **Division of Highways**

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

August 19, 2020

Byrd E. White, III Secretary of Transportation/ Commissioner of Highways

Jimmy Wriston, P. E.
Deputy Secretary/
Deputy Commissioner

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

Subject: DOH Permit for the Phoenix Pad, Monongalia County
Phoenix 6H Well Site

Dear Mr. Martin,

This well site will be accessed from a DOH permit #04-2020-0564 which has been issued to Northeast Natural Energy for access to the State Road for a well site located off Monongalia County Route 15/2 SLS MP 0.058.

This operator is in compliance with §22-6A-20 of the WV Code. Operator has signed a STATEWIDE 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 October 1, 2018.

Very Truly Yours,

Gary K. Clayton, P.E.

Regional Maintenance Engineer Central Office O&G Coordinator

Yang K. Clayton

Cc: Hollie Medley

Northeast Natural Energy

CH, OM, D-4

File

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# Planned Additives To Be Used In Fracturing Stimulations

Total Alama			
וו מתע ואפווות	Purpose	Ingredients	Cemical Abstract Service Numner (CAS#)
Water	Carrier	Water	7732-18-5
HCI. 10.1-15%	Acidizina	Hydrochloric Acid	7647-01-0
	9	Water	7732-18-5
		Alkyl Dimethyl Benzyl Ammonium Chloride (C12-16)	68424-85-1
		Ethanol	64-17-5
Alpha 1427	Biocide	Glutaraldehyde	111-30-8
		Quaternary Ammonium Chloride	7173-51-5
		Water	7732-18-5
Enzyme G-NE	Breaker	Hemicellulase Enzyme Concentrate	9025-56-3
		Water	7732-18-5
		Fatty Acids	NA
		Methanol	67-56-1
Cl-14	Corrosion Inhibitor	Olefin	NA
		Polyozyalkylenes	NA
		Propargyl Alcohol	107-19-7
GW-31 DF	Golling Agent	Guar Gum	0-02-0006
		Petroleum Distillate Blend	CBI
FRW-18	Friction Reducer	Hydrotreated Light Distillate	64742-47-8
Ferrotrol 300L	Iron Crontrol	Citric Acid	77-92-9
Sand, White, 40/70	Proppant	Cystalline Silica (Quartz)	14808-60-7
Sand, White, 100 mesh	Proppant	Cystalline Silica (Quartz)	14808-60-7
Scaletrol 720	Scale Inhibitor	Diethylene Glycol	111-46-6

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### PHOENIX WELL PAD BATTELLE DISTRICT, MONONGALIA COUNTY, WV AUGUST 2020

TWO WORKING DAYS PRIOR TO EXCAVATION, THE CONTRACTOR MUST CONTACT THE WV ONE CALL SYSTEM, INC., 1-800-245-4848 (WV ONE CALL TICKET #2015627602 )

### OWNER



NATURAL ENERGY

LOGAN

WYOMIN

MCDOWELL

MERCER

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



### 1. TITLE SHEET

2-3. EVACUATION ROUTE/PREVAILING WIND 4. E&S CONTROL LAYOUT OVERVIEW 5-11. E&S CONTROL LAYOUT 12. E&S CONTROL AND SITE PLAN OVERVIEW 13-19, E&S CONTROL AND SITE PLAN

20. WELL PAD AND AST PAD CROSS-SECTIONS 20A. EXCESS MATERIAL STOCKPILE AREA CROSS-SECTIONS

21. UNDER DRAIN PROFILES

22-23. ACCESS ROAD AND AST ACCESS ROAD PROFILES

24-31, ACCESS ROAD CROSS-SECTIONS 31A. AST ACCESS ROAD CROSS-SECTIONS 32-35. DETAILS

36. RECLAMATION PLAN OVERVIEW 37-43. RECLAMATION PLAN

TOTAL LIMITS OF DISTURBANCE: 72.79 AC. ACCESS ROAD DISTURBANCE AREA: 31.86 AC. WELL PAD DISTURBANCE AREA: 31.65 AC. AST PAD AND ACCESS ROAD DISTURBANCE AREA: 9.28 AC

### PLANS PREPARED BY:

### BOORD BENCHEK & ASSOCIATES, INC.

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



ANDREW BENCHEK

### PROPERTY PROJECT BOUNDARY ACREAGE

JOHN L. S. HILDA DONALDSON (TAX MAP AND PARCEL 1-74-17). 3 69 AC. MARY C. WALLS (NA MAP AND PARCEL 1 24-15); 11.07 AC.
KEVIN C. & MARIA J. AMMONS (TAX MAP AND PARCEL 1-24-20) # 34 AC ELIZABETH ANN WILSON & RANDY LEE DURK (TAX MAP AND PARCEL 1-24-16E 5.82 AC. CHARLES WENCELL MOORE HAY MAP AND PARCEL 1/25-19 TH 10 79 AC FRANKLIN M. CHISLER (TAX MAP AND PARCEL 1-17-14.1): 30.25 AC.

PHOENIX ENERGY RESOURCES INC. 3 89 AC.

### COORDINATES

(NAD 83) LAT: 39" 38' 29.00" LONG: 80° 16' 18.49" (NAD 27) LAT: 39" 38' 28.71" LONG: 80° 16' 19.22"

SITE ENTRANCE (NAD 83) LAT: 39" 38' 05.18" (NAD 27) LAT: 39" 38' 04.89"

### CENTER OF WELL PAD

LONG: 80" 17' 12.01" LONG: 80" 17' 12.73"

### SHEET

1 OF 43

### WV Department of Environmental Protection MANEGER 田 BROOKE SEVED SEVED 20 \* PROJECT LOCATION WETZEL MARION DODD HARRISON WOOD RITCHIE BARBOUR GRANT TL/CKER HARDY LEWIS White GILMER TIMENSON IPSHUR RANDOLPH MASON BRAKTON PENDELTON WEBSTER CLAY THE FOLLOWING EROSION & SEDIMENT CONTROL PLAN HAS BEEN TARFEL DESIGNED IN ACCORDANCE WITH BEST MANAGEMENT PRACTICES ESTABLISHED BY THE CHIEF AND PROVIDED IN THE OFFICE'S EROSION AND KANAMHA NICHOLAS POCAHONTAS SEDIMENT CONTROL FIELD MANUAL, A GENERAL CONSTRUCTION LINCOLN SEQUENCE, DESCRIPTION OF STABILIZATION METHODS, AND DETAILS & EAVETTE SPECIFICATIONS FOR EROSION & SEDIMENT BEST MANAGEMENT GREEN BRIER PRACTICES HAVE BEEN INCLUDED IN THE PROVIDED DETAIL SHEETS.

MONROE

REVISIONS

TITLE SHEET

IN ACCORDANCE WITH WV 35 (258 &

PHOENIX WELL PAD BATTELLE DISTRICT, MONONGALIA COUNTY, WV

