



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

Tuesday, August 3, 2021
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

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

Re: Permit Modification Approval for ERP 10H
47-061-01881-00-00

**Extend Later, Adjust Curve. Total Measured Depth 20688' to 20955'. No Change to TVD.
Horizontal Leg Length 11805' to 12051'.**

NORTHEAST NATURAL ENERGY LLC

The Office of Oil and Gas has reviewed the attached permit modification for the above referenced permit. The attached modification has been approved and well work may begin. Please be reminded that the oil and gas inspector is to be notified twenty-four (24) hours before permitted well work is commenced.

If there are any questions, please feel free to contact me at (304) 926- 0450.

James A. Martin
Chief

Operator's Well Number: ERP 10H
Farm Name: PHOENIX ENERGY RESOURCES LLC
U.S. WELL NUMBER: 47-061-01881-00-00
Horizontal 6A New Drill
Date Modification Issued: 08/03/2021

Promoting a healthy environment.

08/06/2021

CK# 74182
Date 7/23/21
\$5,000.00

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

1) Well Operator: Northeast Natural Energy 494498281 Monongalia Battelle Wadestown
Operator ID County District Quadrangle

2) Operator's Well Number: 10H Well Pad Name: ERP

3) Farm Name/Surface Owner: Phoenix Energy Resources LLC Public Road Access: Route 17/Miracle Run Rd

4) Elevation, current ground: 1,350' Elevation, proposed post-construction: 1,338'

5) Well Type (a) Gas Oil _____ Underground Storage _____

Other _____

(b) If Gas Shallow Deep _____

Horizontal

6) Existing Pad: Yes or No No

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Marcellus, 8,113', 99', 5200 psi

8) Proposed Total Vertical Depth: 8,113'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 20,955'

11) Proposed Horizontal Leg Length: 12,051'

12) Approximate Fresh Water Strata Depths: 50', 1,240'

13) Method to Determine Fresh Water Depths: Drillers Log from Offset Wells

14) Approximate Saltwater Depths: 2,050', 2,500'

15) Approximate Coal Seam Depths: 500', 1,240'

16) Approximate Depth to Possible Void (coal mine, karst, other): NA

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

(a) If Yes, provide Mine Info: Name: Federal #2

Depth: 1,230'

Seam: Pittsburgh

Owner: Phoenix Federal No 2 Mining, LLC

RECEIVED
Office of Oil and Gas
JUL 30 2021
WV Department of
Environmental Protection

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	NA	100	100	113/GTS
Fresh Water	13-3/8	New	J-55	54.5	1,340	1,310	1037/CTS
Coal							
Intermediate	9-5/8	New	J-55	36	2,630	2,600	900/CTS
Production	5-1/2	New	P-110	20	20,955	20,925	4,973
Tubing	2-7/8	New	P-110	6.5	NA	8000	NA
Liners							

Bryan Harris 7/27/21

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	24	28	0.375	NA	NA	Type 1	1.18
Fresh Water	13-3/8	17-1/2	0.380	2730	500	Class A	1.19
Coal							
Intermediate	9-5/8	12-3/8	0.395	3520	2800	Class A	1.19
Production	5-1/2	8-3/4	0.361	14,360	11,400	50:50 POZ	1.07
Tubing	2-7/5	NA	0.217	13,870	NA	NA	NA
Liners							

RECEIVED
 Office of Oil and Gas
 JUL 30 2021
 WV Department of
 Environmental Protection

PACKERS

Kind:				
Sizes:				
Depths Set:				

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): 51.23

22) Area to be disturbed for well pad only, less access road (acres): 29.70

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.

JUL 30 2021
WV Department of Environmental Protection

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.

*Note: Attach additional sheets as needed.



NORTHEAST NATURAL ENERGY, LLC

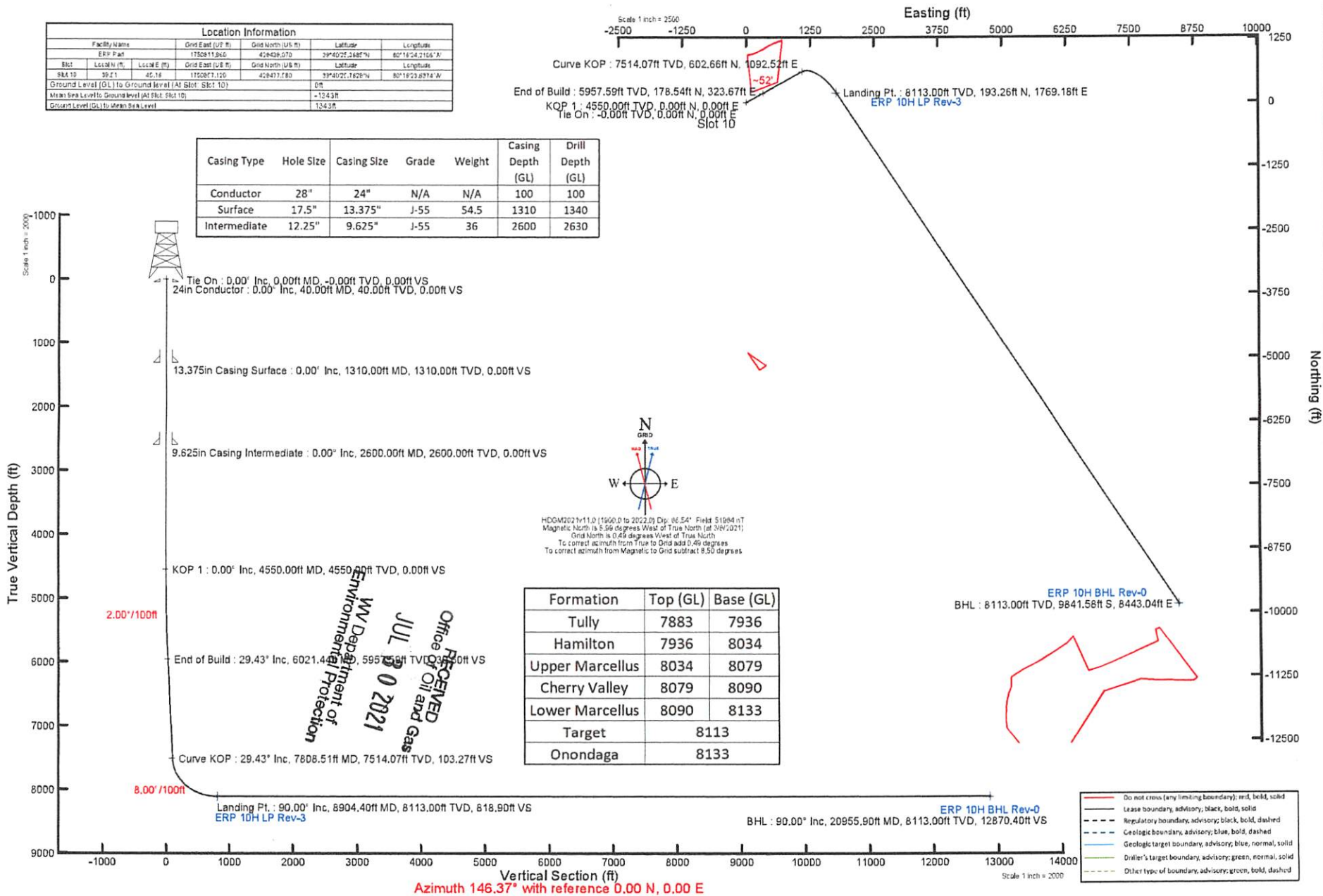
Location: Monongalia County, WV
 Field: Monongalia
 Facility: ERP Pad

Slot: Slot 10
 Well: ERP 10H
 Wellbore: ERP 10H PWB



Location Information					
Facility Name	Grid East (UTM m)	Grid North (UTM m)	Latitude	Longitude	
ERP Pad	1750871.960	429429.070	39°40'21.348"N	80°11'54.2102"W	
Slot	Locn M (ft)	Locn E (ft)	Grid East (US ft)	Grid North (US ft)	Longitude
884.10	39.21	45.14	1750871.150	429421.780	79°40'21.7429"W
Ground Level (GL) to Ground Level (At Slot Slot 10)	0ft				
Mean Sea Level to Ground Level (At Slot Slot 10)	-12.43ft				
Current Level (GL) to Mean Sea Level	13.43ft				

Casing Type	Hole Size	Casing Size	Grade	Weight	Casing Depth (GL)	Drill Depth (GL)
Conductor	28"	24"	N/A	N/A	100	100
Surface	17.5"	13.375"	J-55	54.5	1310	1340
Intermediate	12.25"	9.625"	J-55	36	2600	2630

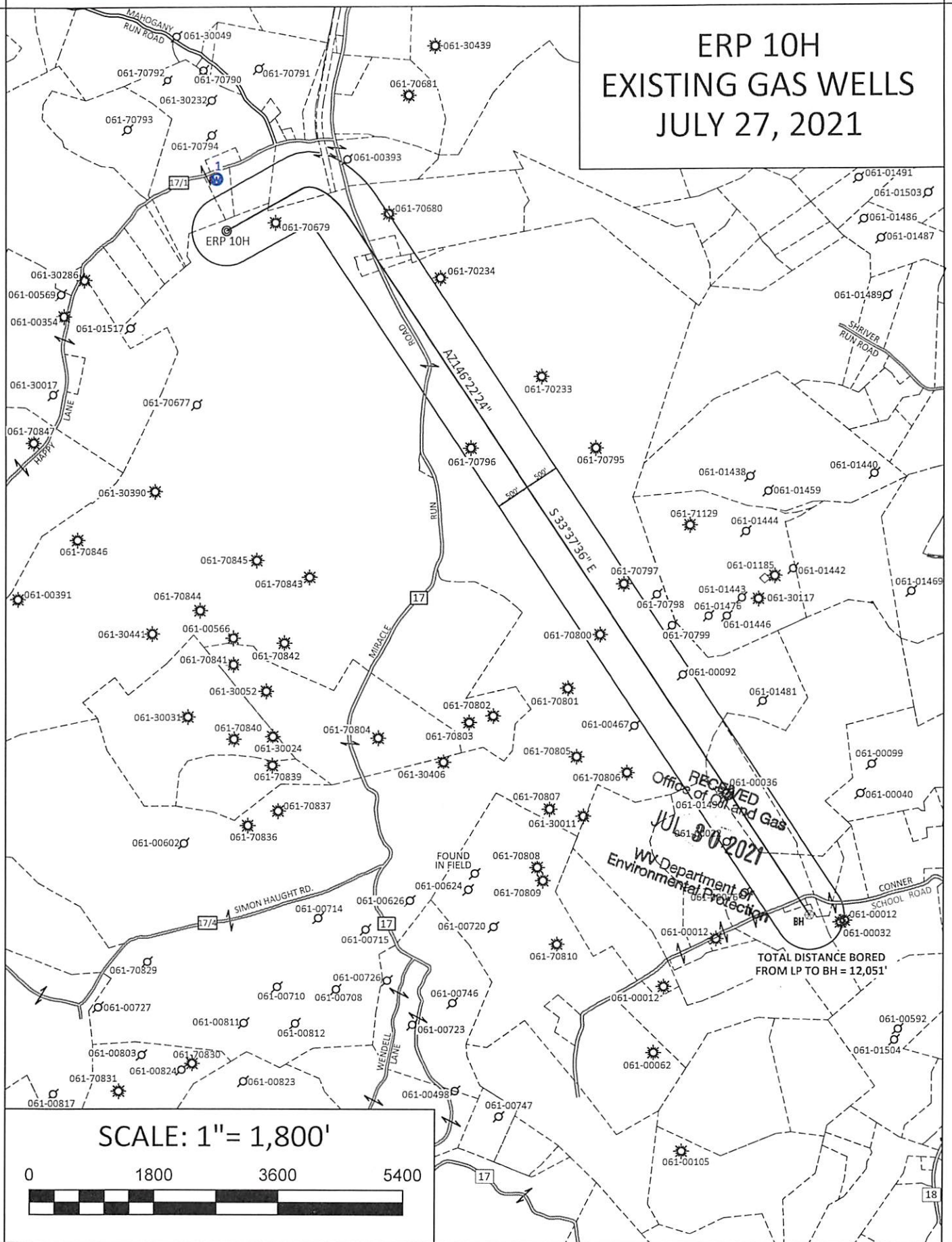


ERP 10H AREA OF REVIEW

API Number	Well Name	Well Number	Operator	Latitude (NAD 83)	Longitude (NAD 83)	TMP	TVD	Comments
061-70680	Phoebe Steele	3325	Hope Natural Gas Company	39.674596	-80.264248	1-14-34	NA	Pre 1929 farm well
061-70797	Elias Tennant	209	Hope Natural Gas Company	39.66007	-80.252238	1-17-14	NA	Pre 1929 farm well
061-00092	Eastern Associated Coal Corp	F2-278	Eastern Associated / Peabody Coal Company	39.656451	-80.249589	1-17-14	NA	Plugged 12/12/03
061-00012	Kemble Tate	F2-527	Eastern Associated / Peabody Coal Company	39.644126	-80.250361	4-18-12	3293'	Plugged 11/02/05
061-00032	Mark Shriver	1	Oper in Min.owner fld,no code assgn(Orphan well proj)	39.646736	-80.24133	4-18-12	3225'	Bayard
061-00022	Dean Chisler	F2-284	Eastern Associated Coal LLC	39.647751	-80.246395	4-18-7	956'	Plugged 8/28/06
061-01490	Dean Chisler	F2-581	Eastern Associated / Peabody Coal Company	39.651666	-80.247148	1-18-06	3661'	Plugged 2/3/05
061-00036	NA	NA	South Penn Oil (S. Penn Nat. Gas)	39.651666	-80.247148	1-18-06	NA	Plugged 2/3/05
061-70800	Conway Tennant	3	NA	39.658039	-80.253551	1-17-14	NA	Pre 1929 farm well
061-70796	C S & E Steele	1	unknown	39.66544	-80.260308	1-17-14	NA	Pre 1929 farm well
061-70679	L M Foster	5122	Hope Natural Gas Company	39.674161	-80.270442	1-17-14	NA	Pre 1929 farm well

RECEIVED
 Office of Oil and Gas
 WV Department of
 Environmental Protection
 JUL 30 2021

ERP 10H EXISTING GAS WELLS JULY 27, 2021



SCALE: 1" = 1,800'



08/06/2021

**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

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

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

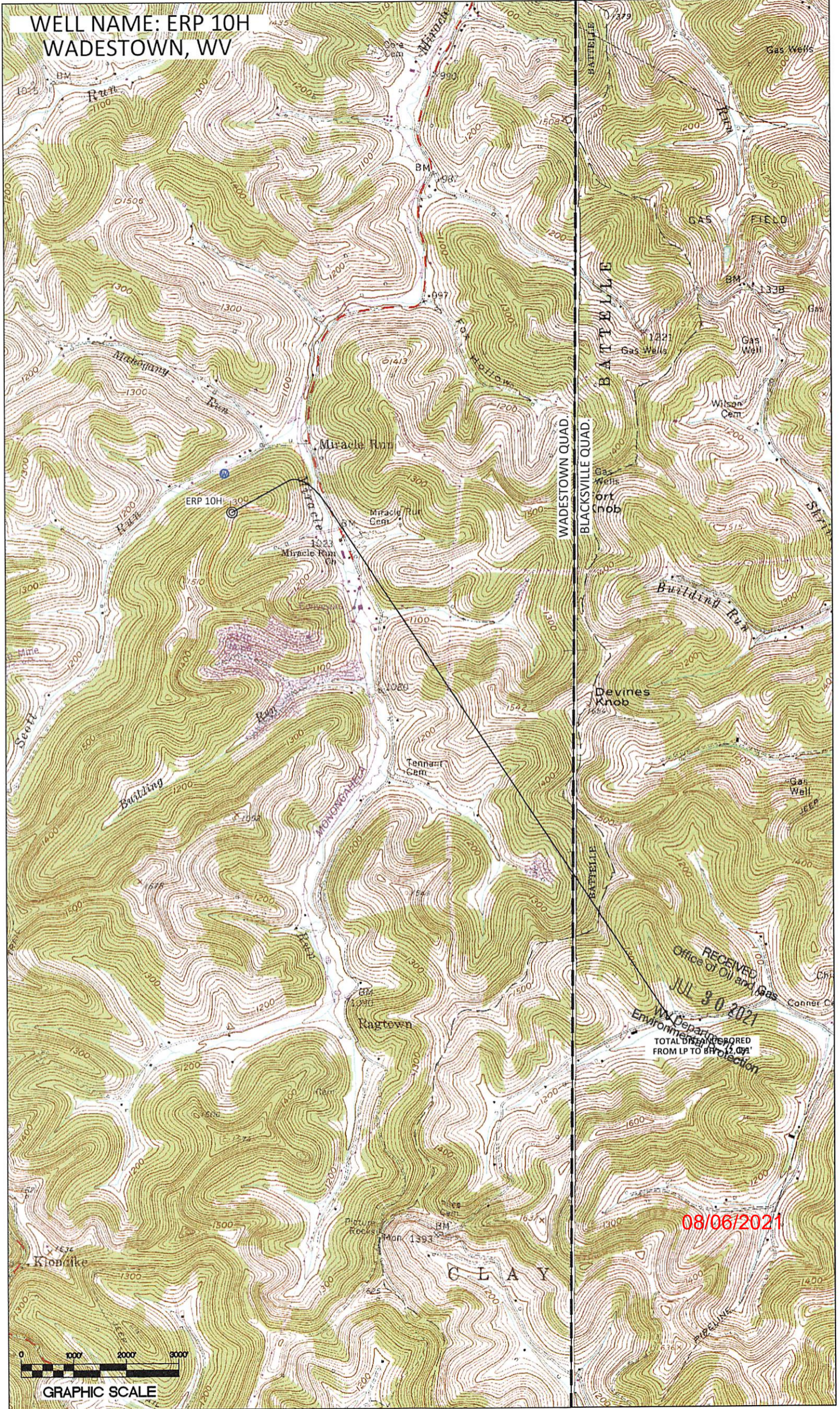
- WV Division of Water and Waste Management
- WV Division of Natural Resources WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

RECEIVED
Office of Oil and Gas
JUL 30 2021
WV Department of
Environmental Protection

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

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

WELL NAME: ERP 10H
WADESTOWN, WV

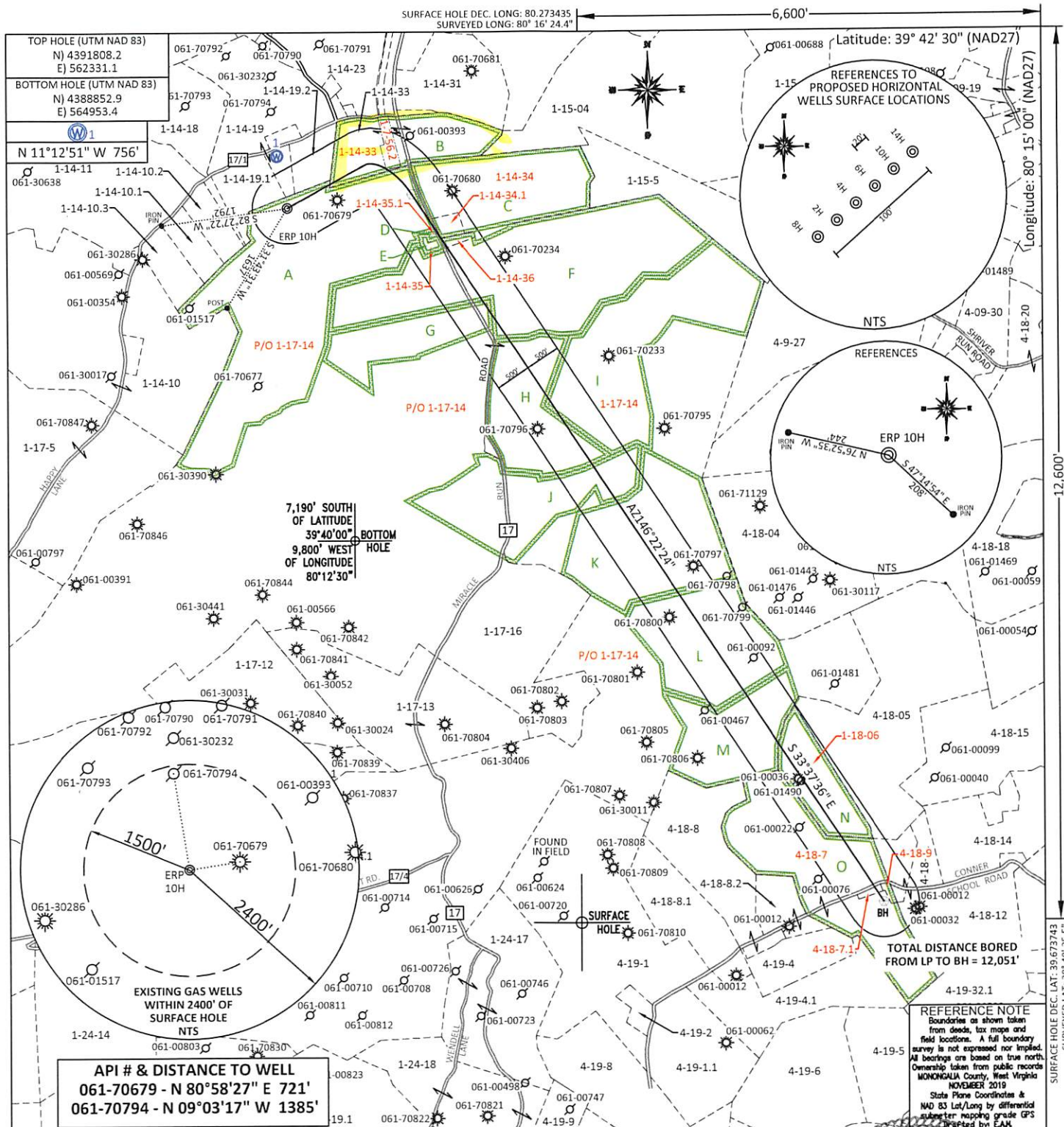


WADESTOWN QUAD.
BLACKSVILLE QUAD.

RECEIVED
Office of Oil and Gas
JUL 30 2021
WV Department of Environmental Protection
TOTAL DISBURSED \$12,000
FROM LP TO BP Protection

08/06/2021



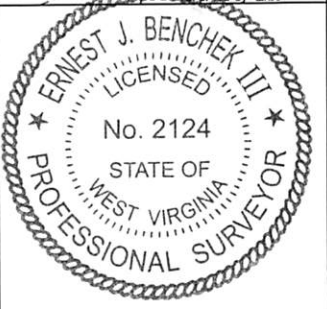


API # & DISTANCE TO WELL
 061-70679 - N 80°58'27" E 721'
 061-70794 - N 09°03'17" W 1385'

REFERENCE NOTE
 Boundaries as shown taken from deeds, tax maps and field locations. A full boundary survey is not expressed nor implied. All bearings are based on true north. Ownership taken from public records MONONGALIA County, West Virginia NOVEMBER 2019 State Plane Coordinates & NAD 83 Lat/Long by differential submeter mapping grade GPS created by EAJ

FILE #: NNE20
 DRAWING #: 2990
 SCALE: PLAT: 1" = 2000'
TICK: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY: 1/200
 PROVEN SOURCE OF ELEVATION: SUBMETER MAPPING GRADE GPS

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



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP
 OFFICE OF OIL & GAS
 601 57TH STREET
 CHARLESTON, WV 25304
 Well Type: Oil Waste Diposal Production Deep
 Gas Liquid Injection Storage Shallow
 WATERSHED: DUNKARD CREEK
 COUNTY/DISTRICT: MONONGALIA / BATTELLE
 SURFACE OWNER: Phoenix Energy Resources, LLC
 OIL & GAS ROYALTY OWNER: Phoenix Energy Resources, LLC, et al.
 LEASE NUMBERS: _____

DATE: JULY 27, 2021
 OPERATOR'S WELL #: ERP 10H
 API WELL #: 47 61 01881
 STATE COUNTY PERMIT
 CURRENT ELEVATION: 1,350'
 PROPOSED ELEVATION: 1,338.60'
 QUADRANGLE: WADESTOWN
 ACREAGE: 1510.488 +/-
912.45
 DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF FORMATION PERFORATE NEW FORMATION PLUG & ABANDON
 CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY): _____
 TARGET FORMATION: MARCELLUS
 ESTIMATED DEPTH: TVD: 8,113' TMD: 20,955'
 WELL OPERATOR: NORTHEAST NATURAL ENERGY LLC
 DESIGNATED AGENT: JOHN ADAMS
 ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200
 ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200
 CITY: CHARLESTON STATE: WV ZIP CODE: 25301
 CITY: CHARLESTON STATE: WV ZIP CODE: 25301

08/06/2021

PROPERTY OWNER INDEX	
1-14-33	GLENN N & ORPHA J REED
1-7-56.2	PENNSYLVANIA LINES LLC
1-17-14	PHOENIX ENERGY RESOURCES, LLC
1-14-34	EASTERN ASSOCIATED COAL CORP.
1-14-34.1	MIRACLE RUN UNITED METHODIST CHURCH
1-14-35	MIRACLE RUN UNITED METHODIST CHURCH
1-14-35.1	MIRACLE RUN UNITED METHODIST CHURCH
1-14-36	MIRACLE RUN UNITED METHODIST CHURCH
1-18-6	RODDY D. & CAROLYN CHISLER
4-18-7	RODDY D. & CAROLYN CHISLER
4-18-9	DONLEY R. & LOIS E. SHRIVER
4-18-7.1	RONNIE E. & LORI A. GADD

LEASE INDEX			
A	WV-061-005667-001	I	WV-061-005329-001
B	WV-061-005782-001	J	WV-061-004975-001
C	WV-061-005667-001	K	WV-061-003767-004
D	WV-061-005667-002	L	WV-061-004605-001
E	WV-061-005763-001	M	WV-061-004605-001
F	WV-061-003767-004	N	WV-061-004706-008
G	WV-061-003767-004	O	WV-061-005747-001
H	WV-061-003534-004		

RECEIVED
Office of Oil and Gas
JUL 30 2021
WV Department of
Environmental Protection

08/06/2021

FILE #: NEE20

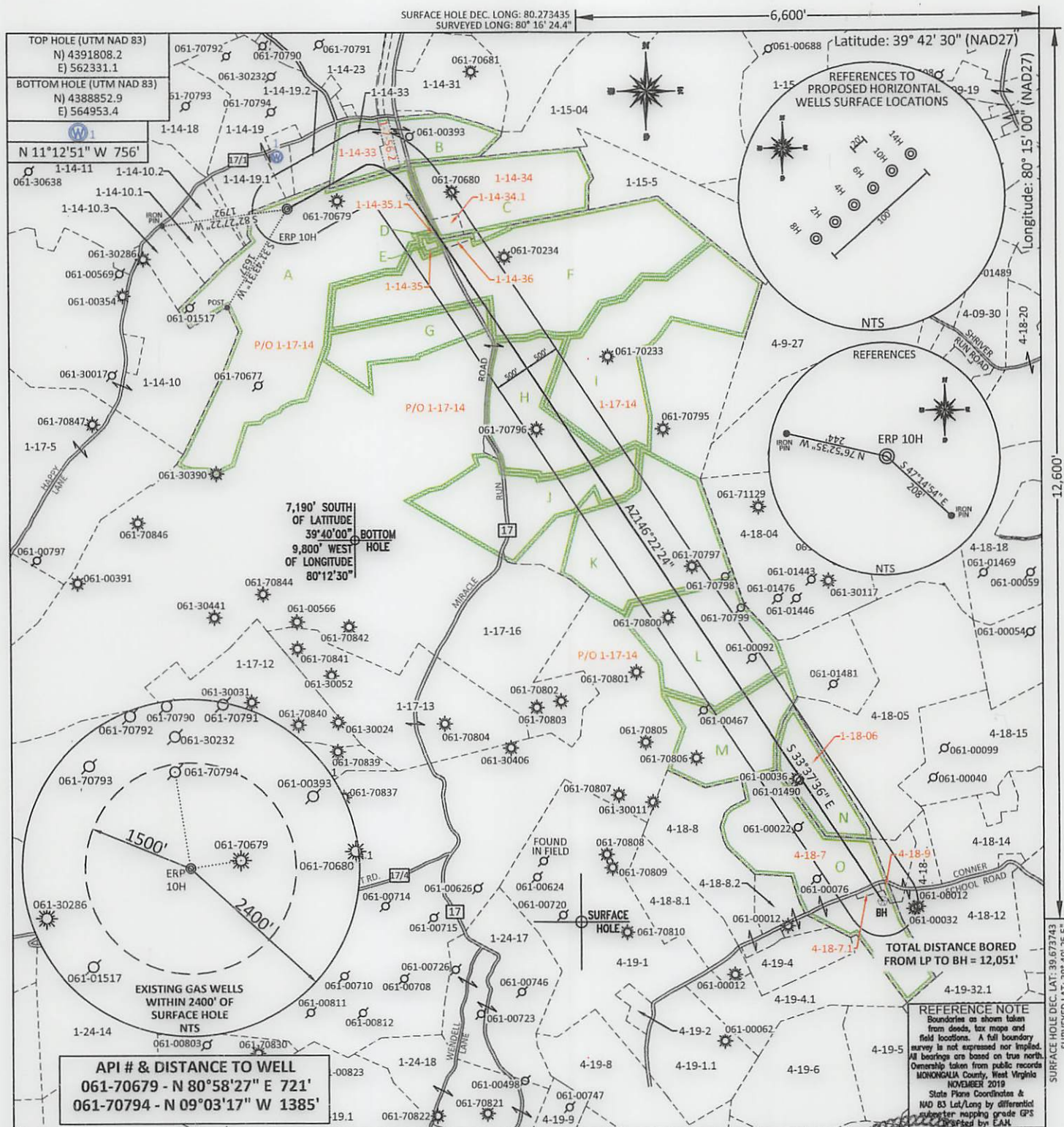
DRAWING #: 2990

SCALE: N/A

DATE: JULY 27, 2021

OPERATOR'S WELL #: ERP 10H

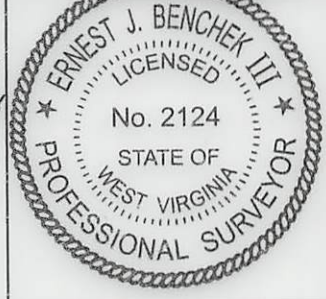
API WELL #: 47 61 01851
STATE COUNTY PERMIT



FILE #: NNE20
 DRAWING #: 2990
 SCALE: PLAT: 1" = 2000'
TICK: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY: 1/200
 PROVEN SOURCE OF ELEVATION: SUBMETER MAPPING GRADE GPS

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

Signed: [Signature]
 L.L.S. #2124 : Ernest J. Benchek III



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP

OFFICE OF OIL & GAS
 601 57TH STREET
 CHARLESTON, WV 25304

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

WATERSHED: DUNKARD CREEK
 COUNTY/DISTRICT: MONONGALIA / BATTLE
 SURFACE OWNER: Phoenix Energy Resources, LLC
 OIL & GAS ROYALTY OWNER: Phoenix Energy Resources, LLC, et al.
 LEASE NUMBERS: _____

DATE: JULY 27, 2021
 OPERATOR'S WELL #: ERP 10H
 API WELL #: 47 61 01881
 STATE COUNTY PERMIT
 CURRENT ELEVATION: 1,350'
 PROPOSED ELEVATION: 1,338.60'

QUADRANGLE: WADESTOWN
 ACREAGE: 1510.488 +/-
 ACREAGE: 912.488 +/-

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

TARGET FORMATION: MARCELLUS
 ESTIMATED DEPTH: TVD: 8,113' TMD: 20,955'
 WELL OPERATOR: NORTHEAST NATURAL ENERGY LLC
 DESIGNATED AGENT: JOHN ADAMS
 ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200
 ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200
 CITY: CHARLESTON STATE: WV ZIP CODE: 25301
 CITY: CHARLESTON STATE: WV ZIP CODE: 25301

PROPERTY OWNER INDEX	
1-14-33	GLENN N & ORPHA J REED
1-7-56.2	PENNSYLVANIA LINES LLC
1-17-14	PHOENIX ENERGY RESOURCES, LLC
1-14-34	EASTERN ASSOCIATED COAL CORP.
1-14-34.1	MIRACLE RUN UNITED METHODIST CHURCH
1-14-35	MIRACLE RUN UNITED METHODIST CHURCH
1-14-35.1	MIRACLE RUN UNITED METHODIST CHURCH
1-14-36	MIRACLE RUN UNITED METHODIST CHURCH
1-18-6	RODDY D. & CAROLYN CHISLER
4-18-7	RODDY D. & CAROLYN CHISLER
4-18-9	DONLEY R. & LOIS E. SHRIVER
4-18-7.1	RONNIE E. & LORI A. GADD

LEASE INDEX			
A	WV-061-005667-001	I	WV-061-005329-001
B	WV-061-005782-001	J	WV-061-004975-001
C	WV-061-005667-001	K	WV-061-003767-004
D	WV-061-005667-002	L	WV-061-004605-001
E	WV-061-005763-001	M	WV-061-004605-001
F	WV-061-003767-004	N	WV-061-004706-008
G	WV-061-003767-004	O	WV-061-005747-001
H	WV-061-003534-004		

08/06/2021

FILE #: NEE20

DRAWING #: 2990

SCALE: N/A

DATE: JULY 27, 2021

OPERATOR'S WELL #: ERP 10H

API WELL #: 47 61 01881
STATE COUNTY PERMIT

* New/Added Lease

WW-6A1

Operators Well No.ERP 10H

Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
A	WV-061-005667-001	Phoenix Energy Resources, LLC (formerly ERP Mining Complex, LLC)	Northeast Natural Energy LLC	12.5% or Greater	1710	737
B	WV-061-005782-001	EQT	Northeast Natural Energy LLC	12.5% or Greater	1743	512
C	WV-061-005667-001	Phoenix Energy Resources, LLC (formerly ERP Mining Complex, LLC)	Northeast Natural Energy LLC	12.5% or Greater	1710	737
D	WV-061-005667-002	Phoenix Energy Resources, LLC (formerly ERP Mining Complex, LLC)	Northeast Natural Energy LLC	12.5% or Greater	1710	737
		EQT	Northeast Natural Energy LLC	12.5% or Greater	1743	512
E	WV-061-005763-001	Trustees of the Miracle Run M.E. Church	Northeast Natural Energy LLC	12.5% or Greater	1735	507
F	WV-061-003767-004	Phoenix Energy Resources, LLC (formerly ERP Mining Complex, LLC)	Northeast Natural Energy LLC	12.5% or Greater	1571	611
		EQT	Northeast Natural Energy LLC	12.5% or Greater	1743	512
G	WV-061-003767-004	Phoenix Energy Resources, LLC (formerly ERP Mining Complex, LLC)	Northeast Natural Energy LLC	12.5% or Greater	1571	611
H	WV-061-003534-004	Anna Marie Simpson	Northeast Natural Energy LLC	12.5% or Greater	1563	630
	WV-061-003534-006	Carolyn S. Cambria	Northeast Natural Energy LLC	12.5% or Greater	1551	246
	WV-061-003534-005	Mary Jane Kiger	Northeast Natural Energy LLC	12.5% or Greater	1551	172
	WV-061-003534-018	Marcella E. Drahos	Northeast Natural Energy LLC	12.5% or Greater	1617	839
	WV-061-003534-007	Leona Wolf	Northeast Natural Energy LLC	12.5% or Greater	1563	634
	WV-061-003534-001	Steven Edward White	Northeast Natural Energy LLC	12.5% or Greater	1530	35
I	WV-061-005329-001	Nola Jean Park Chisler	Northeast Natural Energy LLC	12.5% or Greater	1635	494
	WV-061-005148-018	Clarence Earl Park	Northeast Natural Energy LLC	12.5% or Greater	1636	263
	WV-061-005329-002	Freddie Carl Park	Northeast Natural Energy LLC	12.5% or Greater	1635	496
	WV-061-005329-003	Jay W. Park	Northeast Natural Energy LLC	12.5% or Greater	1635	498
	WV-061-005329-004	John A. Hart	Northeast Natural Energy LLC	12.5% or Greater	1637	487
	WV-061-005148-005	Charlene Smith	Northeast Natural Energy LLC	12.5% or Greater	1620	104
	WV-061-005148-009	Charles W. Patterson Jr.	Northeast Natural Energy LLC	12.5% or Greater	1628	523
	WV-061-005148-010	Robert L. Henderson	Northeast Natural Energy LLC	12.5% or Greater	1630	205
	WV-061-005148-002	Roberta Sprows	Northeast Natural Energy LLC	12.5% or Greater	1620	98
	WV-061-005148-001	Agnes M. Ritz	Northeast Natural Energy LLC	12.5% or Greater	1620	96
	WV-061-005329-024	Joann P. Golembiewski	Northeast Natural Energy LLC	12.5% or Greater	1690	284
	WV-061-005329-001	Rita Gudz f/k/a Rita Golembiewski	Northeast Natural Energy LLC	12.5% or Greater	1687	582
	WV-061-005329-018	Phyllis E. Clark	Northeast Natural Energy LLC	12.5% or Greater	1643	320
	WV-061-005329-014	Carl E. Peterson	Northeast Natural Energy LLC	12.5% or Greater	1643	312
	WV-061-005329-011	Veronica Milczewski, f/k/a Vicki Golembiewski	Northeast Natural Energy LLC	12.5% or Greater	1643	306
	WV-061-005329-023	Karen K. Jennings, f/k/a Karen K. King	Northeast Natural Energy LLC	12.5% or Greater	1688	579
	WV-061-005329-005	David Bradley Barker	Northeast Natural Energy LLC	12.5% or Greater	1638	644
	WV-061-005148-006	Debra Lynn Lundgren	Northeast Natural Energy LLC	12.5% or Greater	1620	106
	WV-061-005329-008	Mary L. Weaver, f/k/a Mary L. Hodge	Northeast Natural Energy LLC	12.5% or Greater	1642	303
	WV-061-005148-004	Nancy Griffith	Northeast Natural Energy LLC	12.5% or Greater	1620	102
	WV-061-005329-015	Patty Amos	Northeast Natural Energy LLC	12.5% or Greater	1643	314
	WV-061-005148-003	Sherry Jean Harke	Northeast Natural Energy LLC	12.5% or Greater	1620	100
	WV-061-005329-006	David G. Owens	Northeast Natural Energy LLC	12.5% or Greater	1638	646
	WV-061-005329-017	John West	Northeast Natural Energy LLC	12.5% or Greater	1643	318
	WV-061-005329-013	Janet Brach	Northeast Natural Energy LLC	12.5% or Greater	1643	310
	WV-061-005329-012	Joyce E. Skeens f/k/a Joyce Ellen Tennant and W. Michael Skeens	Northeast Natural Energy LLC	12.5% or Greater	1643	308
	WV-061-005329-007	Linda Jane Walters	Northeast Natural Energy LLC	12.5% or Greater	1638	648
	WV-061-005329-016	Malinda Ross f/k/a Malinda Sue Tennant	Northeast Natural Energy LLC	12.5% or Greater	1643	316
	WV-061-005329-010	Three Rivers Royalty, LLC	Northeast Natural Energy LLC	12.5% or Greater	1649	300
	WV-061-005329-009	Three Rivers Royalty, LLC	Northeast Natural Energy LLC	12.5% or Greater	1642	837
	WV-061-005329-025	Robert L. Park	Northeast Natural Energy LLC	12.5% or Greater	1698	332

RECEIVED
 Office of Oil and Gas
 WV-061-005329-001
 10/20/2021
 Department of Environmental Protection

Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
	WV-061-005329-027	Deborah L. Plummer	Northeast Natural Energy LLC	12.5% or Greater	1699	423
	WV-061-005329-026	Patricia Paetzold	Northeast Natural Energy LLC	12.5% or Greater	1698	334
J	WV-061-004975-001	Byron D. Tennant	Northeast Natural Energy LLC	12.5% or Greater	1615	589
	WV-061-004975-003	David K. Tennant	Northeast Natural Energy LLC	12.5% or Greater	1615	593
	WV-061-004975-002	Loretta K. Tennant, a/k/a Loretta K. Fordyce	Northeast Natural Energy LLC	12.5% or Greater	1615	591
	WV-061-005689-002	Ruth Ellen Ammons Reed	Northeast Natural Energy LLC	12.5% or Greater	1720	212
	WV-061-005689-001	James Earl Reed	Northeast Natural Energy LLC	12.5% or Greater	1719	815
	WV-061-005689-003	Luther Bearl Reed	Northeast Natural Energy LLC	12.5% or Greater	1720	214
K	WV-061-004975-002	Loretta K. Tennant, a/k/a Loretta K. Fordyce	Northeast Natural Energy LLC	12.5% or Greater	1615	591
	WV-061-004975-001	Byron D. Tennant	Northeast Natural Energy LLC	12.5% or Greater	1615	589
	WV-061-004975-003	David K. Tennant	Northeast Natural Energy LLC	12.5% or Greater	1615	593
	WV-061-005153-004	Sammie D. Broadwater, a/k/a Sammie D. Riggs	Northeast Natural Energy LLC	12.5% or Greater	1620	116
	WV-061-005153-006	Cloman P. Tennant	Northeast Natural Energy LLC	12.5% or Greater	1620	118
	WV-061-005153-007	Richard A. Tennant	Northeast Natural Energy LLC	12.5% or Greater	1623	499
	WV-061-005153-023	Della Mae Tennant (Life Estate)	Northeast Natural Energy LLC	12.5% or Greater	1708	181
	WV-061-005153-017	Charles Allen Tennant	Northeast Natural Energy LLC	12.5% or Greater	1696	106
	WV-061-005153-018	Sheila Marie Lawson	Northeast Natural Energy LLC	12.5% or Greater	1709	633
	WV-061-005153-018	Sheila Marie Lawson and Gordon Lawson	Northeast Natural Energy LLC	12.5% or Greater	1709	633
	WV-061-005153-026	Marvin Lee Tennant	Northeast Natural Energy LLC	12.5% or Greater	1709	309
	WV-061-005153-024	Jennifer Sue McCardle, f/k/a Jennifer Sue Tennant	Northeast Natural Energy LLC	12.5% or Greater	1708	187
	WV-061-005153-025	James Arnold Tennant	Northeast Natural Energy LLC	12.5% or Greater	1708	189
	WV-061-005153-003	Mary Evelyn Tennant	Northeast Natural Energy LLC	12.5% or Greater	1622	274
	WV-061-005153-014	Eugonda L. McKittrick	Northeast Natural Energy LLC	12.5% or Greater	1696	78
	WV-061-005153-012	Jerry D. Tennant	Northeast Natural Energy LLC	12.5% or Greater	1694	605
	WV-061-005153-011	Vonda Joyce Charlton	Northeast Natural Energy LLC	12.5% or Greater	1694	603
	WV-061-005153-015	Donald C. Tennant	Northeast Natural Energy LLC	12.5% or Greater	1696	819
	WV-061-005153-008	Jeffrey Cole Bell	Northeast Natural Energy LLC	12.5% or Greater	1647	145
	WV-061-005153-022	Julia Ann Minervino, f/k/a Julie Ann Freeman	Northeast Natural Energy LLC	12.5% or Greater	1708	179
	WV-061-005153-020	Mary E. Chapman, f/k/a Mary E. Freeman	Northeast Natural Energy LLC	12.5% or Greater	1708	175
	WV-061-005153-010	Julie Ann Miller Plummer	Northeast Natural Energy LLC	12.5% or Greater	1694	601
	WV-061-005153-009	Richard Miller, a/k/a Richard A. Miller	Northeast Natural Energy LLC	12.5% or Greater	1696	74
	WV-061-005153-013	Robert L. Miller	Northeast Natural Energy LLC	12.5% or Greater	1696	76
	WV-061-005153-005	Richard E. Miller	Northeast Natural Energy LLC	12.5% or Greater	1622	276
	WV-061-005153-016	Jimmie Joe Tennant	Northeast Natural Energy LLC	12.5% or Greater	1696	104
	WV-061-005153-021	Ladonna Patrice Tennant Bosse	Northeast Natural Energy LLC	12.5% or Greater	1708	177
	WV-061-005153-019	John E. Tennant	Northeast Natural Energy LLC	12.5% or Greater	1709	307
L	WV-061-004605-001	Phoenix Energy Resources, LLC (formerly ERP Mining Complex, LLC)	Northeast Natural Energy LLC	12.5% or Greater	1596	475
M	WV-061-004605-001	Phoenix Energy Resources, LLC (formerly ERP Mining Complex, LLC)	Northeast Natural Energy LLC	12.5% or Greater	1596	475
N	WV-061-004706-008	Gary M. Ames	Northeast Natural Energy LLC	12.5% or Greater	1709	625
	WV-061-004706-009	Dawn Renee Stitt	Northeast Natural Energy LLC	12.5% or Greater	1636	787
	WV-061-004703-007	Eileen Ann Lyle	Northeast Natural Energy LLC	12.5% or Greater	1613	842
	WV-061-004703-009	Evelyn June Michalek	Northeast Natural Energy LLC	12.5% or Greater	1613	846
	WV-061-004703-018	Keith D. Watson and Sheila Watson	Northeast Natural Energy LLC	12.5% or Greater	1613	770
	WV-061-004703-006	Donald G. Haught Jr., Trustee of Aileen Haught Irrevocable Trust	Northeast Natural Energy LLC	12.5% or Greater	1612	94
	WV-061-004703-013	Boyd Hawkins	Northeast Natural Energy LLC	12.5% or Greater	1622	572
	WV-061-004703-014	Tanya Chersin	Northeast Natural Energy LLC	12.5% or Greater	1628	280
	WV-061-004703-016	Becky L. Bortnick Hawkins	Northeast Natural Energy LLC	12.5% or Greater	1628	282
	WV-061-004703-011	James Francis Lloyd Jr.	Northeast Natural Energy LLC	12.5% or Greater	1628	278
	WV-061-004703-010	Robert Lee Lloyd	Northeast Natural Energy LLC	12.5% or Greater	1618	262

Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
	WV-061-004703-012	John Michael Lloyd	Northeast Natural Energy LLC	12.5% or Greater	1622	22
	WV-061-004706-010	Michael Wayne Tennant	Northeast Natural Energy LLC	12.5% or Greater	1717	335
	WV-061-004703-004	Darcie Lynn Blalock	Northeast Natural Energy LLC	12.5% or Greater	1604	444
	WV-061-004703-003	Kevin Wayne Tennant	Northeast Natural Energy LLC	12.5% or Greater	1604	440
	WV-061-004703-002	Mark Bradley Tennant	Northeast Natural Energy LLC	12.5% or Greater	1604	442
	WV-061-004703-019	Rosemary Bell Tennant	Northeast Natural Energy LLC	12.5% or Greater	1721	461
	WV-061-004703-008	Mary Ellen Woodfork	Northeast Natural Energy LLC	12.5% or Greater	1613	844
	WV-061-004703-003	Judith J. Radlciff	Northeast Natural Energy LLC	12.5% or Greater	1605	710
	WV-061-004703-002	Dollie Sumpter	Northeast Natural Energy LLC	12.5% or Greater	1605	708
	WV-061-004703-001	Mary Masters	Northeast Natural Energy LLC	12.5% or Greater	1605	755
	WV-061-004703-005	Bonnie Curtis	Northeast Natural Energy LLC	12.5% or Greater	1604	369
	WV-061-004706-001	Barbara Kay Wilson Wright	Northeast Natural Energy LLC	12.5% or Greater	1605	712
	WV-061-004699-002	Linda W. Eisinger	Northeast Natural Energy LLC	12.5% or Greater	1608	840
O	WV-061-005747-001	Piney Holdings Inc.	Northeast Natural Energy LLC	12.5% or Greater	1730	306
	WV-061-005747-002	Ridgetop Appalachia, LLC	Northeast Natural Energy LLC	12.5% or Greater	1730	25
	WV-061-005769-001	Equinor USA Onshore Properties, Inc.	Northeast Natural Energy LLC	12.5% or Greater	1738	803

RECEIVED
Office of Oil and Gas
JUL 30 2021
WV Department of
Environmental Protection



northeast

NATURAL ENERGY

July 28, 2021

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

RECEIVED
Office of Oil and Gas
JUL 30 2021
WV Department of
Environmental Protection

Re: ERP 10H and 14H Expedited Modification

Dear Permit Reviewer,

Please find enclosed expedited permit modification requests to slightly modify the curve and lateral lengths for NNE's ERP 10H (061-01881) and 14H (061-01880) drill permits. These wells are in Battelle District, Monongalia County.

Should you have any questions please contact me at 304.212.0445 or by email at kbrooks@nne-llc.com.

Sincerely,

Kristen Brooks

Operations Analyst



Stansberry, Wade A <wade.a.stansberry@wv.gov>

Expedited Modification H6A Horizontal Well Work Permit (API: 47-061-01881)

1 message

Stansberry, Wade A <wade.a.stansberry@wv.gov>

Tue, Aug 3, 2021 at 11:01 AM

To: Hollie Medley <hmedley@nne-llc.com>, Kristen Brooks <kbrooks@nne-llc.com>, "Harris, Bryan O" <bryan.o.harris@wv.gov>, Mark Musick <mmusick@assessor.org>

I have attached a copy of the newly issued well [permit](#) number "ERP 10H", API (47-061-01881). This will serve as your copy.

If you have any questions, then [please](#) contact us here at the Office of Oil and Gas.

Thank you,

Wade A. Stansberry

Environmental Resource Specialist 3

West Virginia Department of Environmental Protection

Office of Oil & Gas


601 57th St. SE

Charleston, WV 25304

(304) 926-0499 ext. 41115

(304) 926-0452 fax

Wade.A.Stansberry@wv.gov

 **47-061-01881 - mod.pdf**
6280K

08/06/2021