



west virginia department of environmental protection

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

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

Tuesday, November 10, 2020
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 MCCLELLAN 6H
47-061-01816-00-00

Extended Lateral

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.

A handwritten signature in blue ink, appearing to read "James A. Martin".

James A. Martin
Chief

Operator's Well Number: MCCLELLAN 6H
Farm Name: ALYCEMARIE MCCLELLAN & MICHELLE D. MC
U.S. WELL NUMBER: 47-061-01816-00-00
Horizontal 6A New Drill
Date Modification Issued: 11/10/2020

Promoting a healthy environment.

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

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

2) Operator's Well Number: McClellan 6H Well Pad Name: McClellan

3) Farm Name/Surface Owner: McClellan Public Road Access: SR 15/7 (Harvey Run Road)

4) Elevation, current ground: 1,440' Elevation, proposed post-construction: 1,408'

5) Well Type (a) Gas X Oil NA Underground Storage NA
Other NA
(b) If Gas Shallow X Deep NA
Horizontal X

6) Existing Pad: Yes or No Yes

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Marcellus, 8,160', 103', 3600 PSI

8) Proposed Total Vertical Depth: 8,160'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 21,359'

11) Proposed Horizontal Leg Length: 12,432'

12) Approximate Fresh Water Strata Depths: 50'; 1,122'

13) Method to Determine Fresh Water Depths: Drillers log from offset wells

14) Approximate Saltwater Depths: 1,820'; 2,570'

15) Approximate Coal Seam Depths: 190'; 1,107'

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 X No _____

(a) If Yes, provide Mine Info: Name: Marion County Coal Company Mine
Depth: 1,107'
Seam: Pittsburgh
Owner: Murray Energy Corporation & Consolidation Coal Company

18)

CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	24"	New	NA	94.71	40'	40'	GTS
Fresh Water	13-3/8"	New	J-55	54.5	1,230'	1,200'	CTS
Coal					NA	NA	
Intermediate	9-5/8"	New	J-55	40	2,680'	2,650'	CTS
Production	5-1/2"	New	P-110	20	21,359'	21,329'	5,020 Cu. Ft.
Tubing	2-3/8"	New	P-110	4.7	NA	8,500'	NA
Liners							

Byron Harris
10-15-20

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

PACKERS

RECEIVED
Office of Oil and Gas

Kind:				OCT 21 2020
Sizes:				WV Department of Environmental Protection
Depths Set:				

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

Drilling and completion of a horizontal Marcellus well. The well will be drilled on air to an approximate depth of 6,227.55' TVD/MD. The well will then be horizontally drilled on synthetic based mud from the KOP to approximately 8,160' TVD / 21,359' MD along a 146 degree azimuth.

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

Multi-stage / high-rate slickwater fracture treatment using various size sands as proppant. First stage will be initiated via pressurization against a burst disc ran in the production casing string or perforated with coiled tubing. Subsequent stages will be perforated with pumped down guns ran on wireline. Individual stages will be isolated with composite frac plugs. Maximum pump rate during any stage will be 110 BPM with a maximum allowable surface pressure of 9,500 PSI. Composite bridge plugs will be set at the end of the last stage to isolate the treated formation.

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): N/A

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

23) Describe centralizer placement for each casing string:

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

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

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

25) Proposed borehole conditioning procedures:

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

RECEIVED
Office of Oil and Gas

OCT 21 2020

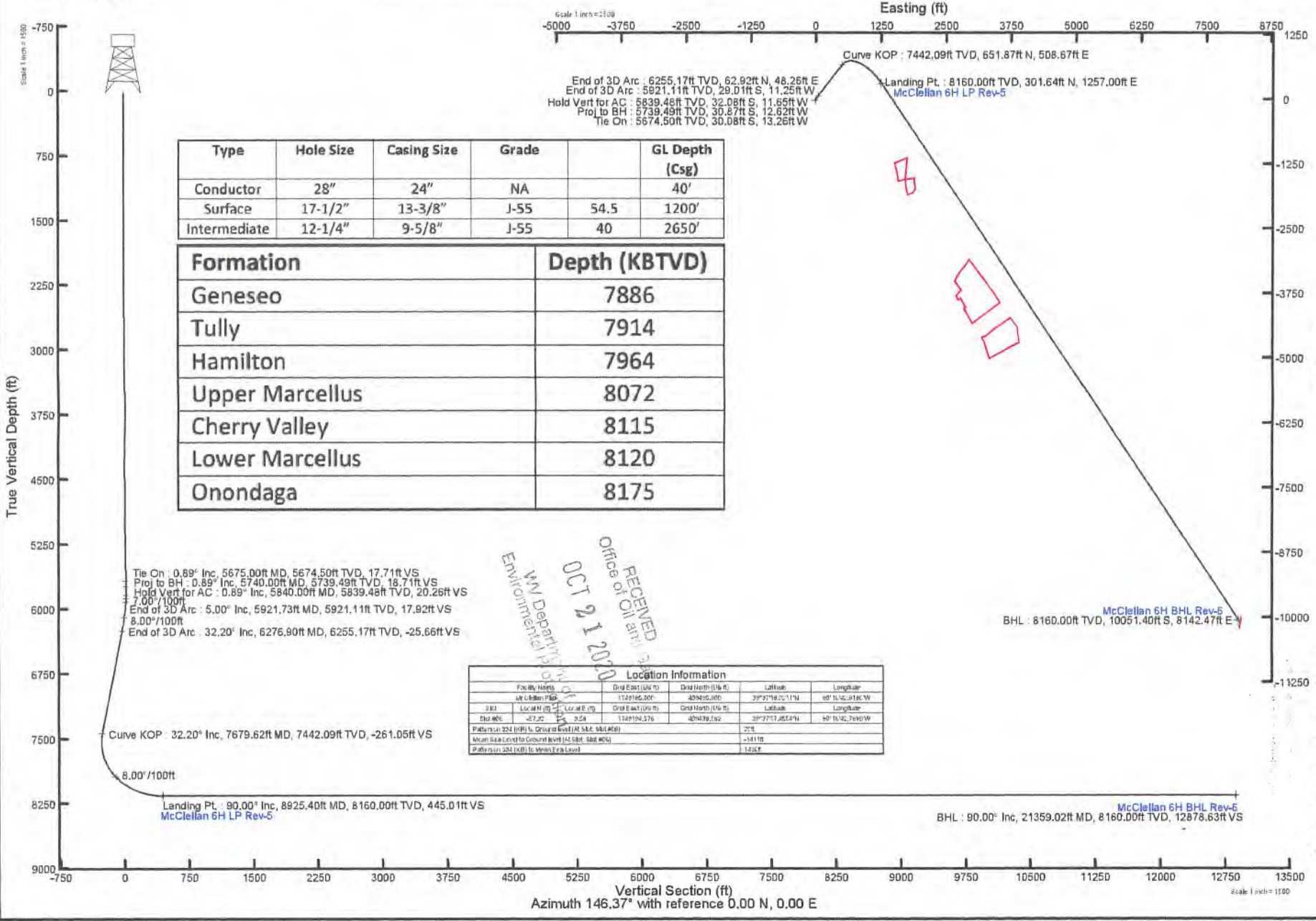
*Note: Attach additional sheets as needed.



NORTHEAST NATURAL ENERGY, LLC

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

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



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

Formation	Depth (KBTVS)
Geneseo	7886
Tully	7914
Hamilton	7964
Upper Marcellus	8072
Cherry Valley	8115
Lower Marcellus	8120
Onondaga	8175

Tie On : 0.89° Inc, 5675.00ft MD, 5674.50ft TVD, 17.71ft VS
 Proj to BH : 0.89° Inc, 5740.00ft MD, 5739.49ft TVD, 18.71ft VS
 Hold Vert for AC : 0.89° Inc, 5840.00ft MD, 5839.48ft TVD, 20.26ft VS
 7.00°/100ft
 End of 3D Arc : 5.00° Inc, 5921.73ft MD, 5921.11ft TVD, 17.92ft VS
 8.00°/100ft
 End of 3D Arc : 32.20° Inc, 6276.90ft MD, 6255.17ft TVD, -25.66ft VS

Curve KOP : 32.20° Inc, 7679.62ft MD, 7442.09ft TVD, -261.05ft VS

Landing Pt : 90.00° Inc, 8925.40ft MD, 8160.00ft TVD, 445.01ft VS
 McClellan 6H LP Rev-5

McClellan 6H BHL Rev-5
 BHL : 8160.00ft TVD, 10051.40ft S, 8142.47ft E

McClellan 6H BHL Rev-5
 BHL : 90.00° Inc, 21359.02ft MD, 8160.00ft TVD, 12678.63ft VS

Office of Oil and Gas
 RECEIVED
 OCT 21 2010
 WV Department of Environmental Protection

Location Information					
Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	
McClellan Pad	172165.00'	402605.00'	39°37'18.22" N	80°15'42.816" W	
Well	Local East (ft)	Local North (ft)	Latitude	Longitude	
McClellan	-27.20'	172194.20'	39°37'17.8557" N	80°15'42.7690" W	
Reference: 2011 (NAD 83) to Ground Level (ASL: 560.40ft)					27ft
Mean Sea Level to Ground Level (ASL: 560.40ft)					-141ft
Reference: 2011 (NAD 83) to Mean Sea Level					126ft

Vertical Section (ft)
 Azimuth 146.37° with reference 0.00 N, 0.00 E

4706101816

McClellan 6H Area of Review

API Number	Well Name	Well Number	Operator	UTM NAD83 North	UTM NAD83 East	TMP	Comments
061-00809	Shirle Sue Walker	CONSOL 3869	Consolidation Coal Co.	4385356.0	562931.4	1-26-32.1	Plugged 5/15/89
049-00608	Susan Yost	8	East Resources, Inc.	39.598674	-80.252801	16-02-37	Vertical Well
049-00599	James Yost	1	East Resources, Inc.	39.597658	-80.250553	16-02-2	Vertical Well
049-00607	Susan Yost	2	East Resources, Inc.	39.595175	-80.252254	16-02-37	Plugged 4/30/10
049-00611	Marvin & Margaret Wilson	11	East Resources, Inc.	39.593991	-80.249312	7-5-126	Permit Cancelled 3/11/16

RECEIVED
 Office of Oil and Gas
 OCT 21 2020
 MN Department of
 Environmental Protection

4706101816

4706101816



northeast
NATURAL ENERGY

Bryan Harris
10-15-20

McClellan 6H
SITE SAFETY PLAN

October 2020

RECEIVED
Office of Oil and Gas

OCT 21 2020

WV Department of
Environmental Protection

WW-6A1
(5/13)

Operator's Well No. McClellan 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				

**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

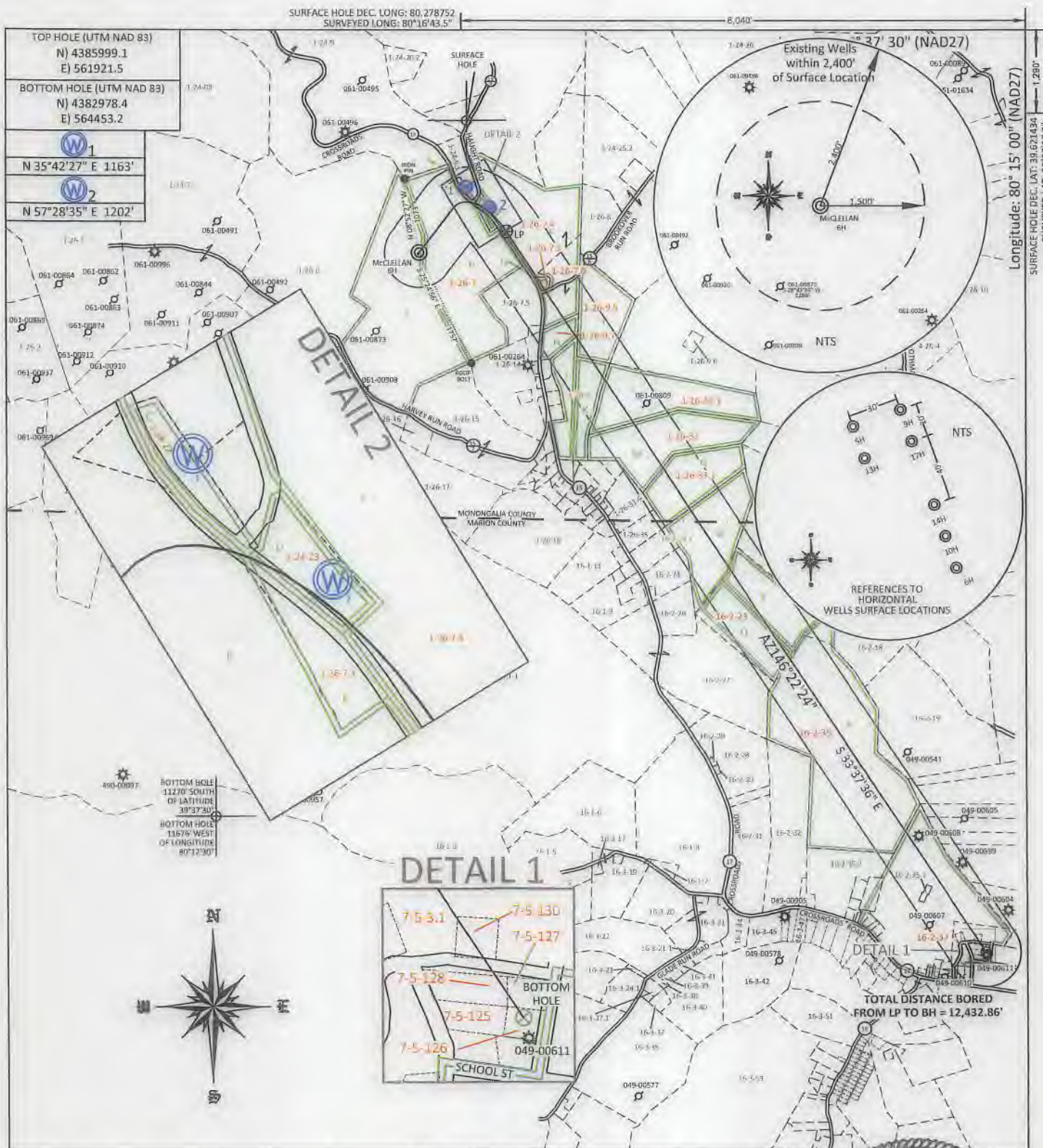
The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity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

RECEIVED
Office of Oil and Gas

OCT 21 2020

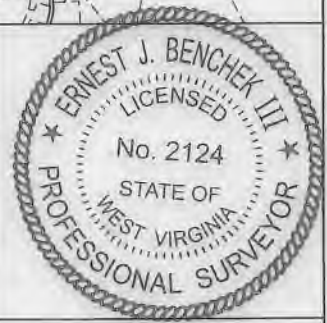
Well Operator: Northeast Natural Energy, LLC
 By: Hollie Medley
 Its: Regulatory Manager

WV Department of
Environmental Protection



FILE #: NNE14
 DRAWING #: 2965
 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: _____
 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

DATE: OCTOBER 13, 2020
 OPERATOR'S WELL #: McCLELLAN 6H
 API WELL #: 47 61 0816
 STATE COUNTY PERMIT

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

WATERSHED: UPPER MONONGAHELA AS-BUILT ELEVATION: 1,411.7'
 COUNTY/DISTRICT: MONONGALIA / BATTELLE QUADRANGLE: MANNINGTON
 SURFACE OWNER: ALYCEMARIE MCCLELLAN & MICHELLE D. MOORE ACREAGE: 533.118 +/-
 OIL & GAS ROYALTY OWNER: Barbara June Sutton, et al ACREAGE: 129.4 +/-
 LEASE NUMBERS: _____

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

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: TVD: 8,160' TMD: 21,359'
 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

1-26-7	NETTIEALYCE MCCLELLAN
1-24-22	MARY C WALLS
1-26-7.3	MILDRED GREENE
1-24-23	MILDRED C GREENE
1-26-7.4	MILDRED C GREENE
1-26-7.2	PATRICK J & CRYSTAL D RETTON
1-26-7.6	NATHAN OYLER & RACHEL HAUGHT
1-26-9.5	RICHARD W & PAMELA D LOAR
1-26-9.7	JEFFREY A & RACHEL F JOLLIFFE
1-26-9	GARY A & TAMMY L NICHOLSON
1-26-32.1	RANDALL W TENNANT
1-26-32	RICHARD A & TERRI L TENNANT
1-26-33.1	RANDY LEE & TRINA RAE TENNANT
16-2-24.1	GARY L & SUSAN R TENNANT
16-2-23	B A & L A AMMONS
16-2-35	REKAB LLC
16-2-37	REKAB LLC
7-5-130	DAVID R & DEANNA C PETHTEL
7-5-3.1	REKAB LLC
7-5-127	MIRANA J HAUGHT
7-5-128	DAVID F & JEAN F UNDERWOOD
7-5-126	STACY RIGGS

LEASE INDEX			
A	WV-061-04172-001-0	J	WV-061-004353-001
B	WV-061-000088-001	K	WV-061-004176-001
C	WV-061-005560-003	L	WV-061-004176-001
D	WV-061-000088-001	M	WV-061-004176-001
E	WV-061-000088-001	N	WV-061-004090-001
F	WV-061-000088-001	O	WV-049-004091-001
G	WV-061-000088-001	P	WV-049-004243-006
H	WV-061-004936-001	Q	WV-049-004243-006
I	WV-061-003690-001	R	WV-49-005680-000
		S	WV-49-005680-000

FILE #: NEE14

DRAWING #: 2965

SCALE: N/A

DATE: OCTOBER 13, 2020

OPERATOR'S WELL #: MCCLELLAN 6H

API WELL #: 47 61 01816
STATE COUNTY PERMIT

Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
A	WV-061-004172-001	Barbara June Sutton	Northeast Natural Energy LLC	12.5% or Greater	1560	223
	WV-061-004172-002	Douglas B. Sutton	Northeast Natural Energy LLC	12.5% or Greater	1560	235
	WV-061-004172-003	Stephen R. Sutton	Northeast Natural Energy LLC	12.5% or Greater	1560	237
	WV-061-004172-011	Jerry D. Atwood	Northeast Natural Energy LLC	12.5% or Greater	1568	137
	WV-061-004172-054	Linda Austin	Northeast Natural Energy LLC	12.5% or Greater	1578	385
	WV-061-004172-068	Larry Shaun Barr	Northeast Natural Energy LLC	12.5% or Greater	1581	297
	WV-061-004172-055	Michael P. Barr	Northeast Natural Energy LLC	12.5% or Greater	1578	387
	WV-061-004172-061	Patrick Collin Barr	Northeast Natural Energy LLC	12.5% or Greater	1579	232
	WV-061-004172-021	Danielle Sutton Blalock	Northeast Natural Energy LLC	12.5% or Greater	1570	350
	WV-061-004172-017	Maxine G. Morton -Life Estate	Northeast Natural Energy LLC	12.5% or Greater	1567	497
	WV-061-004172-028	Claudia Brown	Northeast Natural Energy LLC	12.5% or Greater	1573	5
	WV-061-004172-092	Deena Brown	Northeast Natural Energy LLC	12.5% or Greater	1590	331
	WV-061-004172-015	Garold L. Brown	Northeast Natural Energy LLC	12.5% or Greater	1565	727
	WV-061-004172-099	Douglas E. Browning	Northeast Natural Energy LLC	12.5% or Greater	1592	617
	WV-061-004172-004	Peggy Lee Burchett	Northeast Natural Energy LLC	12.5% or Greater	1566	353
	WV-061-004172-013	Eleanor Carroll	Northeast Natural Energy LLC	12.5% or Greater	1565	734
	WV-061-004172-060	Lisa Deanne Picon Carroll	Northeast Natural Energy LLC	12.5% or Greater	1579	229
	WV-061-004172-104	Erin Chacon	Northeast Natural Energy LLC	12.5% or Greater	1595	421
	WV-061-004172-014	Patricia S. Christian	Northeast Natural Energy LLC	12.5% or Greater	1565	729
	WV-061-004172-094	Robin Cornett	Northeast Natural Energy LLC	12.5% or Greater	1591	138
	WV-061-004172-081	Becki Leanne Picon Deskin	Northeast Natural Energy LLC	12.5% or Greater	1585	266
	WV-061-004172-039	Rodana A. Dunfee	Northeast Natural Energy LLC	12.5% or Greater	1655	485
	WV-061-004172-067	Debra C. Edwards	Northeast Natural Energy LLC	12.5% or Greater	1580	574
	WV-061-004172-103	Marie Chacon Evanoff	Northeast Natural Energy LLC	12.5% or Greater	1595	263
	WV-061-004172-072	John Fincke	Northeast Natural Energy LLC	12.5% or Greater	1581	315
	WV-061-004172-065	Linda Sharene Picon Frankford	Northeast Natural Energy LLC	12.5% or Greater	1580	46
	WV-061-004172-036	Coralee Garrett	Northeast Natural Energy LLC	12.5% or Greater	1654	315
	WV-061-004172-023	Robert Alan Garrett	Northeast Natural Energy LLC	12.5% or Greater	1570	356
	WV-061-004172-040	Ruthann Garrett	Northeast Natural Energy LLC	12.5% or Greater	1655	487
	WV-061-004172-034	William David Garrett	Northeast Natural Energy LLC	12.5% or Greater	1655	483
	WV-061-004172-100	Avis Anita Adkins	Northeast Natural Energy LLC	12.5% or Greater	1593	672
	WV-061-004172-046	Sharon K. Gustina	Northeast Natural Energy LLC	12.5% or Greater	1655	493
	WV-061-004172-108	James Hawk	Northeast Natural Energy LLC	12.5% or Greater	1658	668
	WV-061-004172-095	Kevin Hawk	Northeast Natural Energy LLC	12.5% or Greater	1598	375
	WV-061-004172-098	Steven Hawk	Northeast Natural Energy LLC	12.5% or Greater	1592	615
	WV-061-004172-031	Dorothy M. Johnson	Northeast Natural Energy LLC	12.5% or Greater	1575	254
	WV-061-004172-035	Donna M. Engle Kelley	Northeast Natural Energy LLC	12.5% or Greater	1575	290
	WV-061-004172-087	Kelly Kueck	Northeast Natural Energy LLC	12.5% or Greater	1589	230
	WV-061-004172-032	Patti L. Leasure	Northeast Natural Energy LLC	12.5% or Greater	1655	479
	WV-061-004172-006	Cindy Russell Lee	Northeast Natural Energy LLC	12.5% or Greater	1566	357
	WV-061-004172-030	Cynthia Kay Leininger	Northeast Natural Energy LLC	12.5% or Greater	1654	313
	WV-061-004172-008	Tamaree Beatrice Littlefield	Northeast Natural Energy LLC	12.5% or Greater	1566	375
	WV-061-004172-043	Connie Louthen	Northeast Natural Energy LLC	12.5% or Greater	1575	716
	WV-061-004172-044	William Loathen Jr.	Northeast Natural Energy LLC	12.5% or Greater	1655	491
	WV-061-004172-022	AMP IV, LP (Eric Carl Malmgren)	Northeast Natural Energy LLC	12.5% or Greater	1570	352
	WV-061-004172-056	Joyce L. Barr Masser	Northeast Natural Energy LLC	12.5% or Greater	1578	389
	WV-061-004172-007	Karen A. Palencar	Northeast Natural Energy LLC	12.5% or Greater	1566	381
	WV-061-004172-059	Paula Louise Picon	Northeast Natural Energy LLC	12.5% or Greater	1579	227
	WV-061-004172-018	Karen Anita Powers	Northeast Natural Energy LLC	12.5% or Greater	1567	499
	WV-061-004172-052	Frances C. Richie	Northeast Natural Energy LLC	12.5% or Greater	1578	375
	WV-061-004172-005	David Harold Russell	Northeast Natural Energy LLC	12.5% or Greater	1566	355

RECEIVED
 Office of Oil and Gas
 WV Department of Environmental Protection
 OCT 21 2020
 Email: oot@wvdepr.com

4706101816

Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
	WV-061-004172-009	Iris J. Russell	Northeast Natural Energy LLC	12.5% or Greater	1566	385
	WV-061-004172-016	Paulette A. Sawvel	Northeast Natural Energy LLC	12.5% or Greater	1567	495
	WV-061-004172-085	Todd E. Long	Northeast Natural Energy LLC	12.5% or Greater	1587	288
	WV-061-004172-033	Barbara Stover	Northeast Natural Energy LLC	12.5% or Greater	1575	286
	WV-061-004172-019	David Sutton	Northeast Natural Energy LLC	12.5% or Greater	1570	346
	WV-061-004172-020	Douglas Donald Sutton	Northeast Natural Energy LLC	12.5% or Greater	1570	348
	WV-061-004172-051	Judy Sutton	Northeast Natural Energy LLC	12.5% or Greater	1578	373
	WV-061-004172-072	Babara Uhrig	Northeast Natural Energy LLC	12.5% or Greater	1581	317
	WV-061-004172-012	Darlene W. Vorhies	Northeast Natural Energy LLC	12.5% or Greater	1565	736
	WV-061-004172-083	Jeremy Blake Watson	Northeast Natural Energy LLC	12.5% or Greater	1586	540
	WV-061-004172-102	Kevin Paul Watson	Northeast Natural Energy LLC	12.5% or Greater	1593	675
	WV-061-004172-010	Debra S. Wells	Northeast Natural Energy LLC	12.5% or Greater	1568	135
	WV-061-004172-047	Charles A. Winland	Northeast Natural Energy LLC	12.5% or Greater	1577	41
	WV-061-004172-048	Thomas Winland	Northeast Natural Energy LLC	12.5% or Greater	1577	43
	WV-061-004172-071	William B. Winland	Northeast Natural Energy LLC	12.5% or Greater	1581	313
	WV-061-004172-082	Ora Katie Yaraborough	Northeast Natural Energy LLC	12.5% or Greater	1585	268
B	WV-061-000088-001	XTO Energy, Inc.	Northeast Natural Energy LLC	12.5% or Greater	1620	421
C	WV-061-005560-003	Marliesa Yost	Northeast Natural Energy LLC	12.5% or Greater	1692	319
	WV-061-000088-001	XTO Energy, Inc.	Northeast Natural Energy LLC	12.5% or Greater	1620	421
	WV-061-005560-014	Rodney Russell Martin	Northeast Natural Energy LLC	12.5% or Greater	1706	297
	WV-061-005560-009	Linda Levine	Northeast Natural Energy LLC	12.5% or Greater	1706	287
	WV-061-005560-008	Pamela Elsey	Northeast Natural Energy LLC	12.5% or Greater	1706	285
	WV-061-005560-010	Crystal Leah Davidson	Northeast Natural Energy LLC	12.5% or Greater	1706	289
	WV-061-005560-012	James Randall Elsey	Northeast Natural Energy LLC	12.5% or Greater	1706	293
	WV-061-005560-013	Jennifer Anne Ochwat	Northeast Natural Energy LLC	12.5% or Greater	1706	295
	WV-061-005560-011	Deborah Jacobs	Northeast Natural Energy LLC	12.5% or Greater	1706	291
	WV-061-005560-005	Lynda William Tennant	Northeast Natural Energy LLC	12.5% or Greater	142	454
	WV-061-005560-007	Donald G. Tennant II	Northeast Natural Energy LLC	12.5% or Greater	1706	283
	WV-061-005560-004	Cory Adam Dintaman	Northeast Natural Energy LLC	12.5% or Greater	142	450
	WV-061-005560-006	Craig Alan Dintaman	Northeast Natural Energy LLC	12.5% or Greater	142	458
D	WV-061-000088-001	XTO Energy, Inc.	Northeast Natural Energy LLC	12.5% or Greater	1620	421
E	WV-061-000088-001	XTO Energy, Inc.	Northeast Natural Energy LLC	12.5% or Greater	1620	421
F	WV-061-000088-001	XTO Energy, Inc.	Northeast Natural Energy LLC	12.5% or Greater	1620	421
G	WV-061-000088-001	XTO Energy, Inc.	Northeast Natural Energy LLC	12.5% or Greater	1620	421
H	WV-061-004936-001	Jeffrey S. Jolliffe and Rachel A. Jolliffe	Northeast Natural Energy LLC	12.5% or Greater	1614	51
	WV-061-005385-001	Chesapeake Appalachia, LLC	Northeast Natural Energy LLC	12.5% or Greater	1650	445
	WV-061-000088-001	XTO Energy Inc.	Northeast Natural Energy LLC	12.5% or Greater	1620	421
I	WV-061-003690-001	West Virginia University Foundation, Inc.	Northeast Natural Energy LLC	12.5% or Greater	1531	247
	WV-061-004176-001	Stephen K. Shuman	Northeast Natural Energy LLC	12.5% or Greater	1564	661
	WV-061-000088-001	XTO Energy Inc.	Northeast Natural Energy LLC	12.5% or Greater	1620	421
J	WV-061-004353-001	Gary A. Nicholson and Tammy L. Nicholson	Northeast Natural Energy LLC	12.5% or Greater	1575	728
	WV-061-005385-001	Chesapeake Appalachia, LLC	Northeast Natural Energy LLC	12.5% or Greater	1650	438
	WV-061-000088-001	XTO Energy Inc.	Northeast Natural Energy LLC	12.5% or Greater	1620	421
K	WV-061-004176-001	Stephen K. Shuman	Northeast Natural Energy LLC	12.5% or Greater	1564	661
	WV-061-003690-001	West Virginia University Foundation, Inc.	Northeast Natural Energy LLC	12.5% or Greater	1531	247
	WV-061-000088-001	XTO Energy Inc.	Northeast Natural Energy LLC	12.5% or Greater	1620	421
L	WV-061-004176-001	Stephen K. Shuman	Northeast Natural Energy LLC	12.5% or Greater	1564	661
	WV-061-003690-001	West Virginia University Foundation, Inc.	Northeast Natural Energy LLC	12.5% or Greater	1531	247
	WV-061-000088-001	XTO Energy Inc.	Northeast Natural Energy LLC	12.5% or Greater	1620	421
M	WV-061-004176-001	Stephen K. Shuman	Northeast Natural Energy LLC	12.5% or Greater	1564	661
	WV-061-003690-001	West Virginia University Foundation, Inc.	Northeast Natural Energy LLC	12.5% or Greater	1531	247
	WV-061-000088-001	XTO Energy Inc.	Northeast Natural Energy LLC	12.5% or Greater	1620	421
N	WV-061-004090-001	Randy Lee Tennant and Trina Rae Tennant	Northeast Natural Energy LLC	12.5% or Greater	1555	262

RECEIVED
 Office of Oil and Gas
 OCT 21 2020
 WV Department of Environmental Protection

4706101816

Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
	WV-061-000088-001	XTO Energy, Inc.	Northeast Natural Energy LLC	12.5% or Greater	1620	421
	WV-061-005385-001	Chesapeake Appalachia, LLC	Northeast Natural Energy LLC	12.5% or Greater	1650	438
	WV-061-004090-009	Cynthia Lowther	Northeast Natural Energy LLC	12.5% or Greater	1566	341
	WV-061-004090-004	William J. Tennant, Jr.	Northeast Natural Energy LLC	12.5% or Greater	1566	180
	WV-061-004090-002	Judi L. Mills	Northeast Natural Energy LLC	12.5% or Greater	1565	248
	WV-061-005174-001	Shannon Lowther	Northeast Natural Energy LLC	12.5% or Greater	1621	754
	WV-061-004090-008	Deborah K. Lowther	Northeast Natural Energy LLC	12.5% or Greater	1565	248
	WV-061-004090-006	Mary Ann Dieroff	Northeast Natural Energy LLC	12.5% or Greater	1566	178
	WV-061-004332-003	Olive Rosalie Vasher, a/k/a Rosalea Vacher	Northeast Natural Energy LLC	12.5% or Greater	1597	389
	WV-061-004655-001	Sadie Ice Tennant, a/k/a Sadie I. Tennant	Northeast Natural Energy LLC	12.5% or Greater	1600	604
	WV-061-004090-010	Juanita May Merico	Northeast Natural Energy LLC	12.5% or Greater	1570	837
	WV-061-004332-001	Tina Tennant, a/k/a Tina R. Long	Northeast Natural Energy LLC	12.5% or Greater	1575	483
	WV-061-004332-002	Rebecca Butcher	Northeast Natural Energy LLC	12.5% or Greater	1575	485
	WV-061-004090-007	Ronald L. Tennant, a/k/a Ronald Lee Tennant	Northeast Natural Energy LLC	12.5% or Greater	1658	670
O	WV-049-004091-001	Gary Lynn Tennant and Susan Renae Tennant	Northeast Natural Energy LLC	12.5% or Greater	1206	131
	WV-061-000088-001	XTO Energy, Inc.	Northeast Natural Energy LLC	12.5% or Greater	1620	421
	WV-061-005385-001	Chesapeake Appalachia, LLC	Northeast Natural Energy LLC	12.5% or Greater	1242	64
	WV-049-004170-001	Judi L. Mills	Northeast Natural Energy LLC	12.5% or Greater	1197	703
	WV-049-004091-005	William J. Tennant, Jr.	Northeast Natural Energy LLC	12.5% or Greater	1197	701
	WV-049-004091-010	Cynthia Lowther	Northeast Natural Energy LLC	12.5% or Greater	1198	12
	WV-049-004091-007	Deborah K. Lowther	Northeast Natural Energy LLC	12.5% or Greater	1197	751
	WV-061-005174-001	Shannon Lowther	Northeast Natural Energy LLC	12.5% or Greater	1228	408
	WV-049-004091-004	Mary Ann Dieroff	Northeast Natural Energy LLC	12.5% or Greater	1197	753
	WV-049-004091-014	Olive Rosalie Vasher, a/k/a Rosalea Vacher	Northeast Natural Energy LLC	12.5% or Greater	1213	388
	WV-049-004091-015	Sadie Ice Tennant, a/k/a Sadie I. Tennant	Northeast Natural Energy LLC	12.5% or Greater	1219	514
	WV-049-004091-011	Juanita May Merico	Northeast Natural Energy LLC	12.5% or Greater	1219	161
	WV-049-004091-012	Tina Tennant, a/k/a Tina R. Long	Northeast Natural Energy LLC	12.5% or Greater	1199	161
	WV-049-004091-013	Rebecca Butcher	Northeast Natural Energy LLC	12.5% or Greater	1203	60
	WV-049-004091-006	Ronald L. Tennant, a/k/a Ronald Lee Tennant	Northeast Natural Energy LLC	12.5% or Greater	1203	62
P	WV-049-004243-006	Ruth Ann Burns	Northeast Natural Energy LLC	12.5% or Greater	1196	407
	WV-049-004233-047	Emogene Jones, by her Attorney in Fact Kathie Sue Jones	Northeast Natural Energy LLC	12.5% or Greater	1242	54
	WV-049-004233-033	Joseph Gregory Jones Dawson	Northeast Natural Energy LLC	12.5% or Greater	1214	853
	WV-049-004233-025	John F. Miller	Northeast Natural Energy LLC	12.5% or Greater	1210	607
	WV-049-004233-030	Hope M. Miller	Northeast Natural Energy LLC	12.5% or Greater	1211	812
	WV-049-004233-031	Scott Miller	Northeast Natural Energy LLC	12.5% or Greater	1212	769
	WV-049-004233-029	Kevin A. Miller	Northeast Natural Energy LLC	12.5% or Greater	1211	824
	WV-049-004233-026	Eva G. O'Neill	Northeast Natural Energy LLC	12.5% or Greater	1210	609
	WV-049-004233-042	Dawn Marie Gerth	Northeast Natural Energy LLC	12.5% or Greater	1220	630
	WV-049-004233-046	Keith Atwood	Northeast Natural Energy LLC	12.5% or Greater	1228	429
	WV-049-004233-037	Joyce Eife	Northeast Natural Energy LLC	12.5% or Greater	1215	447
	WV-049-004233-045	Nicholas J. Gerhardt	Northeast Natural Energy LLC	12.5% or Greater	1224	796
	WV-049-004233-027	Phoebe A. Hough	Northeast Natural Energy LLC	12.5% or Greater	1210	1019
	WV-049-004233-034	T. J. Ashcraft, a/k/a Tej J. Ashcraft	Northeast Natural Energy LLC	12.5% or Greater	1214	947
	WV-049-004233-035	Nancy Ashcraft	Northeast Natural Energy LLC	12.5% or Greater	1214	949
	WV-049-004233-036	Martha Sanchez	Northeast Natural Energy LLC	12.5% or Greater	1214	951
	WV-049-004233-040	Catholic Daughters of America	Northeast Natural Energy LLC	12.5% or Greater	1218	239
	WV-049-004233-022	Allohak Council, Boy Scouts of America, Inc.	Northeast Natural Energy LLC	12.5% or Greater	1208	915
	WV-049-004233-044	Immaculate Conception Church	Northeast Natural Energy LLC	12.5% or Greater	1226	418
	WV-049-004233-043	Girl Scouts of America, Black Diamond Council	Northeast Natural Energy LLC	12.5% or Greater	1223	773
	WV-049-004602-003	Harrison County Emergency Squad, a/k/a Harrison County, West Virginia, Emergency Squad	Northeast Natural Energy LLC	12.5% or Greater	1214	851
	WV-049-004233-041	Harrison County Society for Crippled Children & Adults	Northeast Natural Energy LLC	12.5% or Greater	1221	434
	WV-049-004233-038	Knights of Columbus	Northeast Natural Energy LLC	12.5% or Greater	1215	708
	WV-049-004602-001	Young Men's Christian Association	Northeast Natural Energy LLC	12.5% or Greater	1214	847

RECEIVED
 Office of Oil and Gas
 OCT 9 11 2020
 Environmental Protection
 WV Department of Environment

4706101816

Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
	WV-049-004602-002	Young Women's Christian Association	Northeast Natural Energy LLC	12.5% or Greater	1214	849
	WV-049-004233-015	Salem College, a/k/a Salem International University	Northeast Natural Energy LLC	12.5% or Greater	1203	365
	WV-049-004233-016	Charles Sellers, Jr.	Northeast Natural Energy LLC	12.5% or Greater	1203	759
	WV-049-004233-020	Guy Sellers and Deane Sellers	Northeast Natural Energy LLC	12.5% or Greater	1208	911
	WV-049-004233-018	Melinda L. Sellers	Northeast Natural Energy LLC	12.5% or Greater	1203	763
	WV-049-004233-017	Melissa Sellers	Northeast Natural Energy LLC	12.5% or Greater	1203	761
	WV-049-004233-006	Nancy Andrews Tompkins	Northeast Natural Energy LLC	12.5% or Greater	1201	932
	WV-049-004233-012	Tracy Belyeu	Northeast Natural Energy LLC	12.5% or Greater	1203	64
	WV-049-004233-003	Charles Francis Erke	Northeast Natural Energy LLC	12.5% or Greater	1199	165
	WV-049-004233-021	Roxanne Erke	Northeast Natural Energy LLC	12.5% or Greater	1208	913
	WV-049-004233-014	Adam John Erke	Northeast Natural Energy LLC	12.5% or Greater	1203	363
	WV-049-004233-011	Jennifer Baya Munro	Northeast Natural Energy LLC	12.5% or Greater	1203	361
	WV-049-004233-001	Sharon Chaput and Gerald M. Chaput	Northeast Natural Energy LLC	12.5% or Greater	1199	997
	WV-049-004243-006	Ruth Ann Burns, a/k/a Ruth Burns	Northeast Natural Energy LLC	12.5% or Greater	1196	407
	WV-049-004243-007	Nancy B. Lawler	Northeast Natural Energy LLC	12.5% or Greater	1197	749
	WV-049-004233-019	The Burns Family General Partnership	Northeast Natural Energy LLC	12.5% or Greater	1207	985
	WV-049-004233-0028	Commissariat of The Holy Land, Franciscan Monastery	Northeast Natural Energy LLC	12.5% or Greater	1211	157
	WV-049-004178-002	EQT Production Company	Northeast Natural Energy LLC	12.5% or Greater	1245	646
Q	WV-049-004243-006	Ruth Ann Burns	Northeast Natural Energy LLC	12.5% or Greater	1196	407
	WV-049-004233-047	Emogene Jones, by her Attorney in Fact Kathie Sue Jones	Northeast Natural Energy LLC	12.5% or Greater	1242	54
	WV-049-004233-033	Joseph Gregory Jones Dawson	Northeast Natural Energy LLC	12.5% or Greater	1214	853
	WV-049-004233-025	John F. Miller	Northeast Natural Energy LLC	12.5% or Greater	1210	607
	WV-049-004233-030	Hope M. Miller	Northeast Natural Energy LLC	12.5% or Greater	1211	812
	WV-049-004233-031	Scott Miller	Northeast Natural Energy LLC	12.5% or Greater	1212	769
	WV-049-004233-029	Kevin A. Miller	Northeast Natural Energy LLC	12.5% or Greater	1211	824
	WV-049-004233-026	Eva G. O'Neill	Northeast Natural Energy LLC	12.5% or Greater	1210	609
	WV-049-004233-042	Dawn Marie Gerth	Northeast Natural Energy LLC	12.5% or Greater	1220	630
	WV-049-004233-046	Keith Atwood	Northeast Natural Energy LLC	12.5% or Greater	1228	429
	WV-049-004233-037	Joyce Eife	Northeast Natural Energy LLC	12.5% or Greater	1215	447
	WV-049-004233-045	Nicholas J. Gerhardt	Northeast Natural Energy LLC	12.5% or Greater	1224	796
	WV-049-004233-027	Phoebe A. Hough	Northeast Natural Energy LLC	12.5% or Greater	1210	1019
	WV-049-004233-034	T. J. Ashcraft, a/k/a Tej J. Ashcraft	Northeast Natural Energy LLC	12.5% or Greater	1214	947
	WV-049-004233-035	Nancy Ashcraft	Northeast Natural Energy LLC	12.5% or Greater	1214	949
	WV-049-004233-036	Martha Sanchez	Northeast Natural Energy LLC	12.5% or Greater	1214	951
	WV-049-004233-040	Catholic Daughters of America	Northeast Natural Energy LLC	12.5% or Greater	1218	239
	WV-049-004233-022	Allohak Council, Boy Scouts of America, Inc.	Northeast Natural Energy LLC	12.5% or Greater	1208	915
	WV-049-004233-044	Immaculate Conception Church	Northeast Natural Energy LLC	12.5% or Greater	1226	418
	WV-049-004233-043	Girl Scouts of America, Black Diamond Council	Northeast Natural Energy LLC	12.5% or Greater	1223	773
	WV-049-004602-003	Harrison County Emergency Squad, a/k/a Harrison County, West Virginia, Emergency Squad	Northeast Natural Energy LLC	12.5% or Greater	1214	851
	WV-049-004233-041	Harrison County Society for Crippled Children & Adults	Northeast Natural Energy LLC	12.5% or Greater	1221	434
	WV-049-004233-038	Knights of Columbus	Northeast Natural Energy LLC	12.5% or Greater	1215	708
	WV-049-004602-001	Young Men's Christian Association	Northeast Natural Energy LLC	12.5% or Greater	1214	847
	WV-049-004602-002	Young Women's Christian Association	Northeast Natural Energy LLC	12.5% or Greater	1214	849
	WV-049-004233-015	Salem College, a/k/a Salem International University	Northeast Natural Energy LLC	12.5% or Greater	1203	365
	WV-049-004233-016	Charles Sellers, Jr.	Northeast Natural Energy LLC	12.5% or Greater	1203	759
	WV-049-004233-020	Guy Sellers and Deane Sellers	Northeast Natural Energy LLC	12.5% or Greater	1208	911
	WV-049-004233-018	Melinda L. Sellers	Northeast Natural Energy LLC	12.5% or Greater	1203	763
	WV-049-004233-017	Melissa Sellers	Northeast Natural Energy LLC	12.5% or Greater	1203	761
	WV-049-004233-006	Nancy Andrews Tompkins	Northeast Natural Energy LLC	12.5% or Greater	1201	932
	WV-049-004233-012	Tracy Belyeu	Northeast Natural Energy LLC	12.5% or Greater	1203	64
	WV-049-004233-003	Charles Francis Erke	Northeast Natural Energy LLC	12.5% or Greater	1199	165
	WV-049-004233-021	Roxanne Erke	Northeast Natural Energy LLC	12.5% or Greater	1208	913
	WV-049-004233-014	Adam John Erke	Northeast Natural Energy LLC	12.5% or Greater	1203	363

RECEIVED
Office of Oil and Gas
OCT 21 2020
WV Department of Environment
and Natural Resources

4706101816

Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
	WV-049-004233-011	Jennifer Baya Munro	Northeast Natural Energy LLC	12.5% or Greater	1203	361
	WV-049-004233-001	Sharon Chaput and Gerald M. Chaput	Northeast Natural Energy LLC	12.5% or Greater	1199	997
	WV-049-004243-006	Ruth Ann Burns, a/k/a Ruth Burns	Northeast Natural Energy LLC	12.5% or Greater	1196	407
	WV-049-004243-007	Nancy B. Lawler	Northeast Natural Energy LLC	12.5% or Greater	1197	749
	WV-049-004233-019	The Burns Family General Partnership	Northeast Natural Energy LLC	12.5% or Greater	1207	985
	WV-049-004233-0028	Commissariat of The Holy Land, Franciscan Monastrry	Northeast Natural Energy LLC	12.5% or Greater	1211	157
	WV-049-004178-002	EQT Production Company	Northeast Natural Energy LLC	12.5% or Greater	1245	646
R	WV-049-005680-000	Antero	Northeast Natural Energy LLC	12.5% or Greater	61	388
S	WV-049-005680-000	Antero	Northeast Natural Energy LLC	12.5% or Greater	61	388

RECEIVED
Office of Oil and Gas
OCT 21 2020
WV Department of
Environmental Protection

4706101816



northeast
NATURAL ENERGY

October 16, 2020

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

RECEIVED
Office of Oil and Gas

OCT 21 2020

WV Department of
Environmental Protection

Re: McClellan 6H Modification

Dear Permit Reviewer,

Please find enclosed modification request for Northeast Natural Energy's ("NNE") McClellan 6H well, API #47-061-01816. The modification request is to extend our lateral length to a TMD of 21,359'.

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



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

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

2) Operator's Well Number: McClellan 6H Well Pad Name: McClellan

3) Farm Name/Surface Owner: McClellan Public Road Access: SR 15/7 (Harvey Run Road)

4) Elevation, current ground: 1,440' Elevation, proposed post-construction: 1,408'

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

Other NA

(b) If Gas Shallow Deep NA

Horizontal

6) Existing Pad: Yes or No Yes

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Marcellus, 8,160', 103', 3600 PSI

8) Proposed Total Vertical Depth: 8,160'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 21,359'

11) Proposed Horizontal Leg Length: 7,314'

12) Approximate Fresh Water Strata Depths: 50'; 1,122'

13) Method to Determine Fresh Water Depths: Drillers log from offset wells

14) Approximate Saltwater Depths: 1,820'; 2,570'

15) Approximate Coal Seam Depths: 190'; 1,107'

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 No

(a) If Yes, provide Mine Info: Name: Marion County Coal Company Mine

Depth: 1,107'

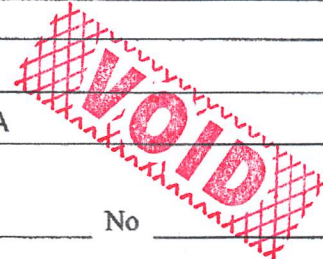
Seam: Pittsburgh

Owner: Murray Energy Corporation & Consolidation Coal Company

RECEIVED
Office of Oil and Gas

OCT 21 2020

WV Department of
Environmental Protection

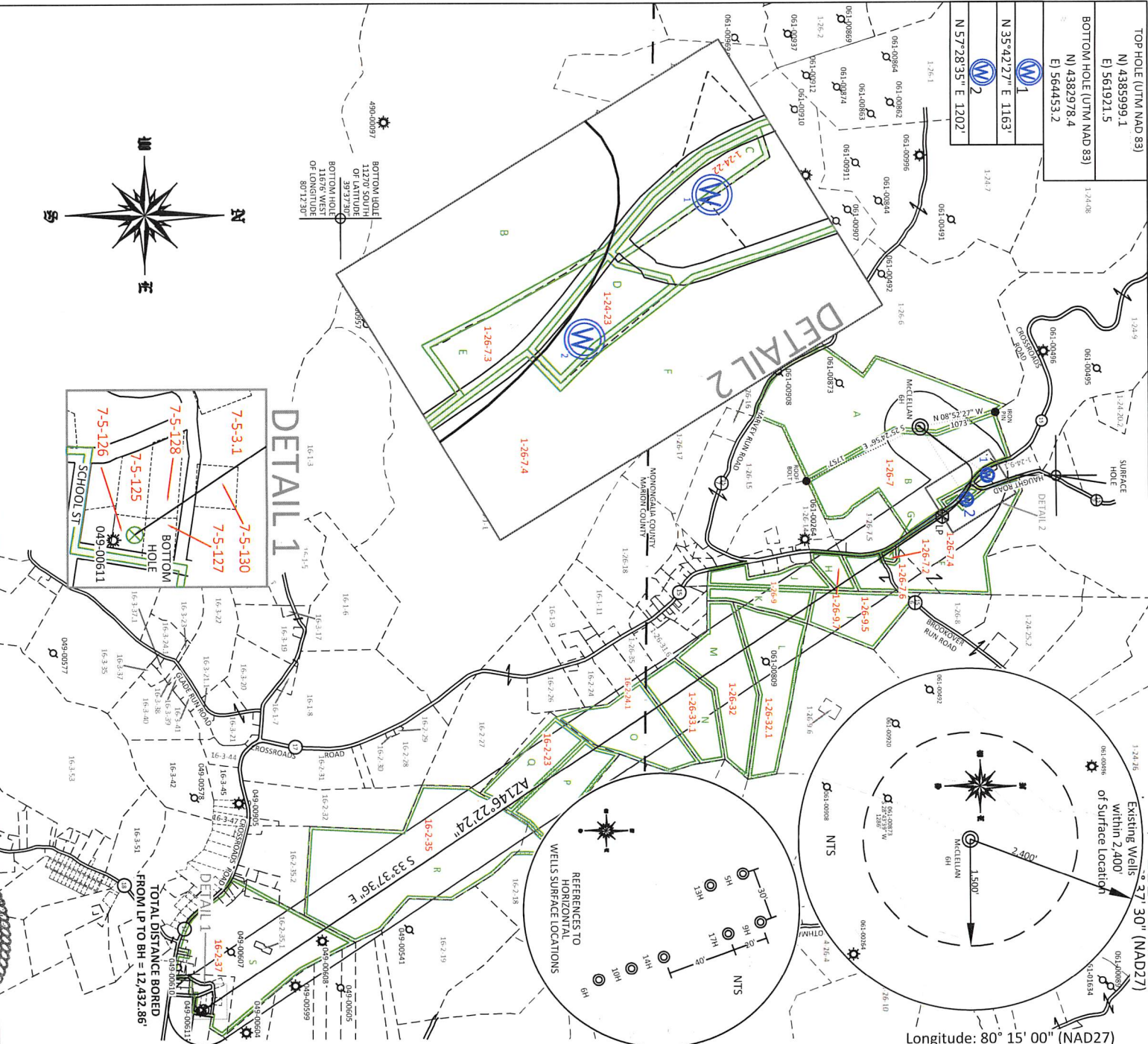


SURFACE HOLE DEC. LONG: 80° 16' 43.5"

8,040'

1,290'

TOP HOLE (UTM NAD 83) N) 4385999.1 E) 561921.5	124.98
BOTTOM HOLE (UTM NAD 83) N) 4382978.4 E) 564453.2	124.98
N 35°42'27" E 1163'	
N 57°28'35" E 1202'	



FILE #: N9E14
DRAWING #: 2965
SCALE: Plat: 1" = 2000'
TICK: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: 1/200
PROVEN SOURCE SUBMETER MAPPING
OF ELEVATION: 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

DATE: OCTOBER 13, 2020
OPERATOR'S WELL #: MCCLELLAN 6H

WVDEP
OFFICE OF OIL & GAS
601 5TH STREET
CHARLESTON, WV 25304
Well Type: Oil Waste Disposal Production Deep
 Gas Liquid Injection Storage Shallow
WATERSHED: UPPER MONONGAHELA
COUNTY/DISTRICT: MONONGALIA / BATTLETT
SURFACE OWNER: ALCEMARIE MCCLELLAN & MICHELLE D. MOORE
OIL & GAS ROYALTY OWNER: Barbara June Sutton, et al
LEASE NUMBERS:

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

API WELL #: 47 STATE: WV COUNTY: PERMIT
AS-BUILT ELEVATION: 1,411.7'
QUADRANGLE: MANNINGTON
ACREAGE: 533.118 +/-
ACREAGE: 129.4 +/-
ESTIMATED DEPTH: TVD: 8,160' TMD: 21,359'

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

1-26-7	NETTIEALYCE MCCLELLAN
1-24-22	MARY C WALLS
1-26-7.3	MILDRED GREENE
1-24-23	MILDRED C GREENE
1-26-7.4	MILDRED C GREENE
1-26-7.2	PATRICK J & CRYSTAL D RETTON
1-26-7.6	NATHAN OYLER & RACHEL HAUGHT
1-26-9.5	RICHARD W & PAMELA D LOAR
1-26-9.7	JEFFREY A & RACHEL F JOLLIFFE
1-26-9	GARY A & TAMMY L NICHOLSON
1-26-32.1	RANDALL W TENNANT
1-26-32	RICHARD A & TERRI L TENNANT
1-26-33.1	RANDY LEE & TRINA RAE TENNANT
16-2-24.1	GARY L & SUSAN R TENNANT
16-2-23	B A & L A AMMONS
16-2-35	REKAB LLC
16-2-37	REKAB LLC
7-5-130	DAVID R & DEANNA C PETHTEL
7-5-3.1	REKAB LLC
7-5-127	MIRANA J HAUGHT
7-5-128	DAVID F & JEAN F UNDERWOOD
7-5-126	STACY RIGGS

LEASE INDEX			
A	WV-061-04172-001-0	J	WV-061-004353-001
B	WV-061-000088-001	K	WV-061-004176-001
C	WV-061-005560-003	L	WV-061-004176-001
D	WV-061-000088-001	M	WV-061-004176-001
E	WV-061-000088-001	N	WV-061-004090-001
F	WV-061-000088-001	O	WV-049-004091-001
G	WV-061-000088-001	P	WV-049-004243-006
H	WV-061-004936-001	Q	WV-049-004243-006
I	WV-061-003690-001	R	WV-49-005680-00
		S	WV-49-005680-00

FILE #: NEE14

DRAWING #: 2965

SCALE: N/A

DATE: OCTOBER 13, 2020

OPERATOR'S WELL #: MCCLELLAN 6H

API WELL #: 47 61
STATE COUNTY PERMIT