

SURFACE HOLE SURVEYED LONGITUDE -80°09'08.99"

BOTTOM HOLE SURVEYED LONGITUDE -80°10'48.39"

7,741'

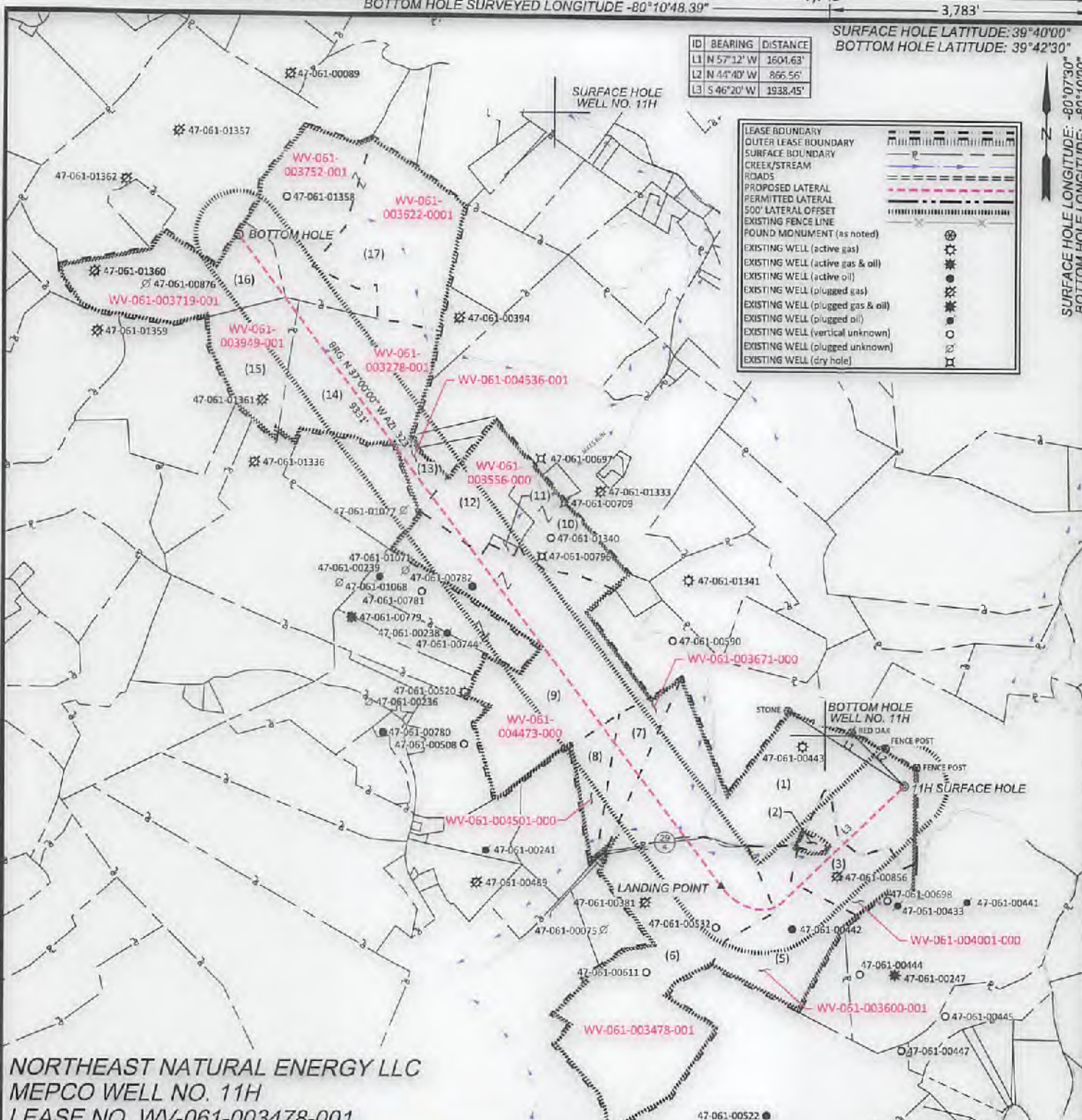
3,783'

SURFACE HOLE LATITUDE: 39°40'00"
 BOTTOM HOLE LATITUDE: 39°42'30"

ID	BEARING	DISTANCE
L1	N 57°12' W	1601.63'
L2	N 44°40' W	866.56'
L3	S 46°20' W	1938.45'

LEGEND

- LEASE BOUNDARY
- OUTER LEASE BOUNDARY
- SURFACE BOUNDARY
- CREEK/STREAM
- ROADS
- PROPOSED LATERAL
- PERMITTED LATERAL
- 500' LATERAL OFFSET
- EXISTING FENCE LINE
- FOUND MONUMENT (as noted)
- EXISTING WELL (active gas)
- EXISTING WELL (active gas & oil)
- EXISTING WELL (active oil)
- EXISTING WELL (plugged gas)
- EXISTING WELL (plugged gas & oil)
- EXISTING WELL (plugged oil)
- EXISTING WELL (vertical unknown)
- EXISTING WELL (plugged unknown)
- EXISTING WELL (dry hole)



NORTHEAST NATURAL ENERGY LLC
MEPCO WELL NO. 11H
LEASE NO. WV-061-003478-001

600 Marketplace Avenue, Suite 200
 Bridgeport, WV 26330
 Toll Free 855-488-9539
 Fax 304-933-3327
C&E
Civil & Environmental Consultants, Inc.

DATE OCTOBER 2, 2017
 SCALE 1" = 1600' ACCURACY 1:2500
 OPERATORS WELL No. 11H
47 - 061 - 01792 H6A
 API No.

TYPE OF WELL:
 GAS:
 Production Storage *Deep *Shallow

PROPOSED WORK ON LOCATION:
 Drill Drill Deeper Redrill Convert
 Fracture/ Stimulate *Plug off to Formation
 Perforate New Formation Plug and Abandon
 Clean/ Replug Other Than Above
 If "Other" Please see Details below—
 DETAILS OF PROPOSED WORK _____
 *TARGET FORMATION MARCELLUS
 ESTIMATED DEPTH TVD: 8,222' TMD: 18,893.51



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 rules issued and prescribed by the Division of Environmental Protection.

[Signature]

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



WELL AREA & LOCATION INFORMATION:
 ELEVATION SOURCE DGPS (OPUS)
 ELEVATION 1448.16' (EXISTING), 1424.00' (PROPOSED)
 WATERSHED JAKES RUN OF DUNKARD CREEK DISTRICT 12/01/2017
 COUNTY MONONGALIA TOPO QUAD BLACKSVILLE
 SURFACE OWNER MEPCO LLC
 ACREAGE 103.49 ±
 ROYALTY OWNER NNE LLC ET AL (LEASE NO. WV-061-003478-001)
 LEASE ACREAGE 361.72 ±

WELL OPERATOR NORTHEAST NATURAL ENERGY LLC
 ADDRESS 707 VIRGINIA STREET EAST, SUITE 1200
CHARLESTON, WV 25301

DESIGNATED AGENT JOHN ADAMS
 ADDRESS 707 VIRGINIA STREET EAST, SUITE 1200
CHARLESTON, WV 25301

SURFACE HOLE LONGITUDE: -80°07'30"
 BOTTOM HOLE LONGITUDE: -80°10'00"
 SURFACE HOLE SURVEYED LATITUDE 39°39'46.66"
 BOTTOM HOLE SURVEYED LATITUDE 39°40'48.32"

SURFACE HOLE SURVEYED LONGITUDE -80°09'08.99" 7,741' 3,783'
 BOTTOM HOLE SURVEYED LONGITUDE -80°10'48.32" 10,288' 1,349'

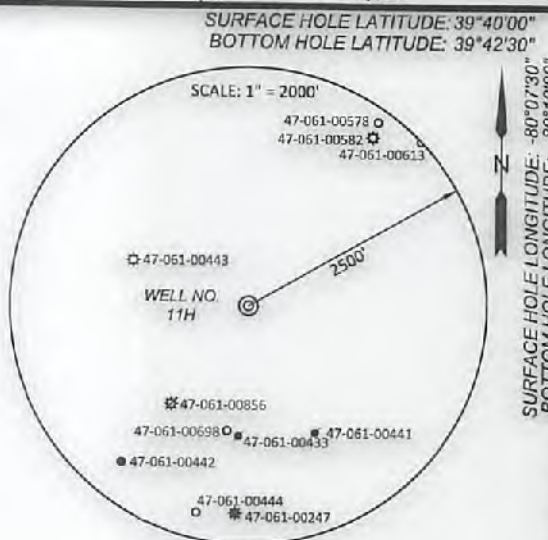
**NORTHEAST NATURAL ENERGY LLC
 MEPCO WELL NO. 11H
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TOP HOLE (NAD 83) N) 424253.36 E) 1784811.25 LAT.) 39°39'46.68" LONG.) 80°09'08.99" DEC. LAT.) 39.662966 DEC. LONG.) -80.152497	LP HOLE (NAD 83) N) 423096.36 E) 1782701.32 LAT.) 39°39'35.09" LONG.) 80°09'36.85" DEC. LAT.) 39.659747 DEC. LONG.) -80.159952	BOTTOM HOLE (NAD 83) N) 430548.23 E) 1777085.90 LAT.) 39°40'48.32" LONG.) 80°10'48.39" DEC. LAT.) 39.680090 DEC. LONG.) -80.180108
TOP HOLE (NAD 27) N) 424216.29 E) 1816248.08 LAT.) 39°39'46.39" LONG.) 80°09'09.74" DEC. LAT.) 39.662886 DEC. LONG.) -80.152704	LP HOLE (NAD 27) N) 423058.29 E) 1814138.22 LAT.) 39°39'34.80" LONG.) 80°09'36.61" DEC. LAT.) 39.659667 DEC. LONG.) -80.160168	BOTTOM HOLE (NAD 27) N) 430511.24 E) 1808522.66 LAT.) 39°40'48.04" LONG.) 80°10'49.13" DEC. LAT.) 39.680010 DEC. LONG.) -80.180314

TOP HOLE (UTM NAD 83)
N) 4390694.00
E) 572697.47

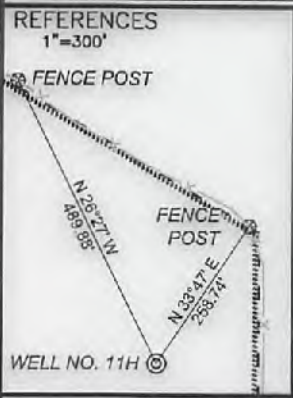
LANDING POINT (UTM NAD 83)
N) 4390330.75
E) 572060.52

BOTTOM HOLE (UTM NAD 83)
N) 4392572.55
E) 570311.72

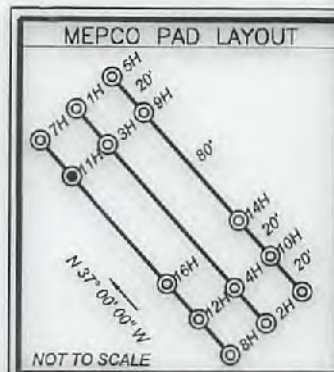


TAG	OWNER	DIST-TM-PAR	AC ±
1	MEPCO LLC	4-16-48.3	103.49
2	NANCY TENNANT	4-16-47	0.85
3	DOWNEY HAROLD FOX EST	4-16-46	21.9
5	A. KEITH MICHEAL, ET AL	4-16-45	35.53
6	A. KEITH MICHEAL, ET AL	4-16-48	206.00
7	JESSE M. & DEBORAH K. TENNANT	4-16-21	12.70
8	TYLER MARTIN TENNANT, LIFE	4-16-20	12.70
9	LEONARD & NANCY WILSON	4-11-15	93.754
10	PATRICIA A. HOSTUTLER	4-11-16	20.79
11	DANIELLE M. DITTMAN	4-11-13.1	0.75
12	SCOTT N. & PAULA L. RICE	4-11-13	23.80
13	SCOTT N. & PAULA L. RICE	4-11-12	6.75
14	DEBORAH STREET	4-10-68	55.094
15	SHUMAN INC	4-10-69	25.44
16	CONSOL MINING COMPANY LLC	4-10-70	40.56
17	DEBORAH STREET	4-10-67	100.00

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



- NOTES ON SURVEY**
- NO OCCUPIED DWELLINGS OR BUILDINGS 2500 SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER DAIRY CATTLE OR POULTRY HUSBANDRY WITHIN 825' OF THE CENTER OF THE WELL PAD WERE OBSERVED.
 - NO WATER WELLS OR DEVELOPED SPRINGS USED FOR HUMAN OR DOMESTIC ANIMAL CONSUMPTION WERE FOUND WITHIN 250'.
 - SURFACE OWNERSHIP TAKEN FROM THE MONONGALIA COUNTY TAX ASSESSOR AND COUNTY CLERK OFFICES IN OCTOBER, 2015.
 - WELL LATITUDE AND LONGITUDE FROM SURVEY GRADE VRS SOLUTIONS.
 - BEARINGS SHOWN ARE BASED UPON THE WV STATE PLANE COORDINATE SYSTEM, NAD 83 GRID NORTH ZONE.
 - LEASE INFORMATION PROVIDED BY NORTHEAST NATURAL ENERGY LLC.
 - PARCEL AND LEASE BOUNDARY LOCATIONS ARE APPROXIMATE AND BASED UPON RELEVANT GIS INFORMATION, FIELD LOCATION BOUNDARY EVIDENCE AND DEED DESCRIPTIONS.



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 OPERATORS 11H
 WELL No. 47-061-01792 H6A
 API No.

**STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS**

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