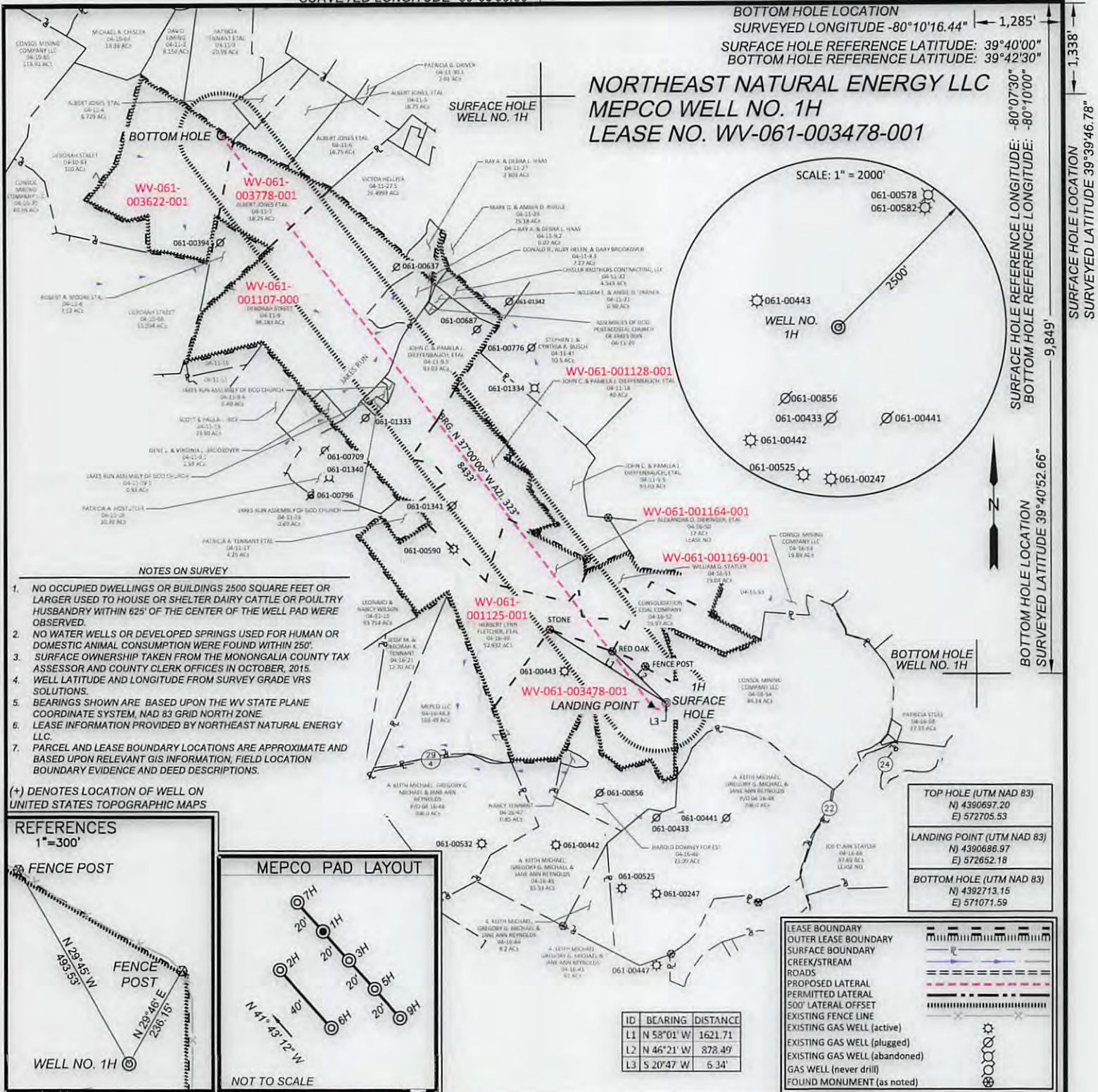


SURFACE HOLE LOCATION
SURVEYED LONGITUDE -80°09'08.65"

7,714'
BOTTOM HOLE LOCATION
SURVEYED LONGITUDE -80°10'16.44" | 1,285'
SURFACE HOLE REFERENCE LATITUDE: 39°40'00"
BOTTOM HOLE REFERENCE LATITUDE: 39°42'30"

**NORTHEAST NATURAL ENERGY LLC
MEPCO WELL NO. 1H
LEASE NO. WV-061-003478-001**

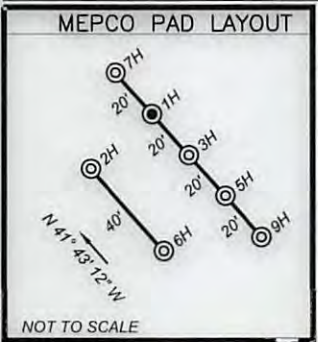
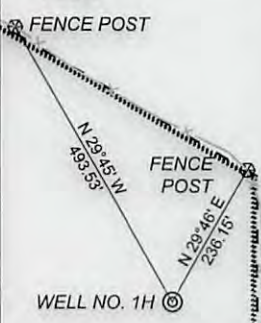


NOTES ON SURVEY

1. NO OCCUPIED DWELLINGS OR BUILDINGS 2500 SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER DAIRY CATTLE OR POULTRY HUSBANDRY WITHIN 625' OF THE CENTER OF THE WELL PAD WERE OBSERVED.
2. NO WATER WELLS OR DEVELOPED SPRINGS USED FOR HUMAN OR DOMESTIC ANIMAL CONSUMPTION WERE FOUND WITHIN 250'.
3. SURFACE OWNERSHIP TAKEN FROM THE MONONGALIA COUNTY TAX ASSESSOR AND COUNTY CLERK OFFICES IN OCTOBER, 2015.
4. WELL LATITUDE AND LONGITUDE FROM SURVEY GRADE VRS SOLUTIONS.
5. BEARINGS SHOWN ARE BASED UPON THE WV STATE PLANE COORDINATE SYSTEM, NAD 83 GRID NORTH ZONE.
6. LEASE INFORMATION PROVIDED BY NORTHEAST NATURAL ENERGY LLC.
7. PARCEL AND LEASE BOUNDARY LOCATIONS ARE APPROXIMATE AND BASED UPON RELEVANT GIS INFORMATION, FIELD LOCATION BOUNDARY EVIDENCE AND DEED DESCRIPTIONS.

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

**REFERENCES
1"=300'**



TOP HOLE (UTM NAD 83)	NJ 4390697.20 EJ 572705.53
LANDING POINT (UTM NAD 83)	NJ 4390686.97 EJ 572652.18
BOTTOM HOLE (UTM NAD 83)	NJ 4392713.15 EJ 571071.59

LEASE BOUNDARY
OUTER LEASE BOUNDARY
SURFACE BOUNDARY
CREEK/STREAM
ROADS
PROPOSED LATERAL
PERMITTED LATERAL
500' LATERAL OFFSET
EXISTING FENCE LINE
EXISTING GAS WELL (active)
EXISTING GAS WELL (plugged)
EXISTING GAS WELL (abandoned)
GAS WELL (never drill)
FOUND MONUMENT (as noted)

ID	BEARING	DISTANCE
L1	N 58°01' W	1621.71
L2	N 46°21' W	878.49
L3	S 20°47' W	6.34

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



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.

Dennis E. Miller

DATE AUGUST 22, 2016

SCALE 1" = 1600' ACCURACY 1:2500

OPERATORS WELL No. 1H

47 - 061 - 01735164
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: 17,105.38'

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

WELL AREA & LOCATION INFORMATION:

ELEVATION SOURCE DGPS (OPUS)

ELEVATION 1452.34' (EXISTING), 1424.00' (PROPOSED)

WATERSHED JAKES RUN OF DUNKARD CREEK 09/16/2016

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 431.87 ±

WELL OPERATOR NORTHEAST NATURAL ENERGY LLC DESIGNATED AGENT JOHN ADAMS

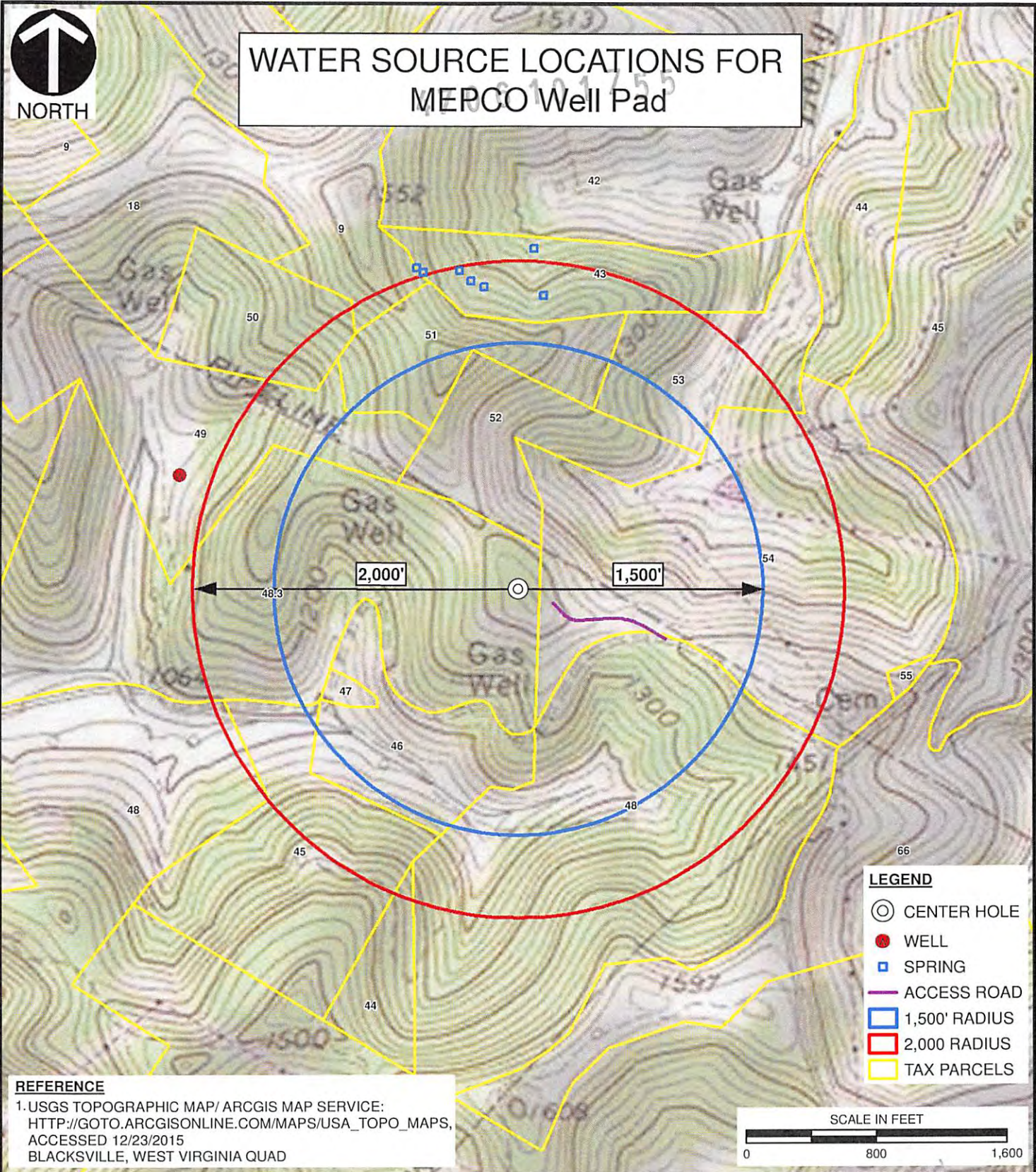
ADDRESS 707 VIRGINIA STREET EAST, SUITE 1200 ADDRESS 707 VIRGINIA STREET EAST, SUITE 1200

CHARLESTON, WV 25301 CHARLESTON, WV 25301



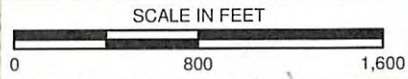
NORTH

WATER SOURCE LOCATIONS FOR MEPCO Well Pad



- LEGEND**
- ⊙ CENTER HOLE
 - WELL
 - SPRING
 - ACCESS ROAD
 - 1,500' RADIUS
 - 2,000 RADIUS
 - TAX PARCELS

REFERENCE
 1. USGS TOPOGRAPHIC MAP/ ARCGIS MAP SERVICE:
[HTTP://GOTO.ARCGISONLINE.COM/MAPS/USA_TOPO_MAPS](http://gto.arcgis.com/maps/usa_topo_maps),
 ACCESSED 12/23/2015
 BLACKSVILLE, WEST VIRGINIA QUAD



Civil & Environmental Consultants, Inc.
 600 Marketplace Suite 200 - Bridgeport, WV 26330-2820
 Ph: 304-933-3119 Toll: 855-488-9539 Fax: 304-933-3327
www.cecinc.com

NORTHEAST NATURAL ENERGY LLC
 MEPCO PAD
 MONONGALIA COUNTY, WEST VIRGINIA

WATER SOURCES FOR MEPCO PAD

DRAWN BY: MAF	CHECKED BY: JDR	APPROVED BY: ^{* Hand signature} SAC* _{on file}	FIGURE NO: WT
DATE: 12/21/2015	SCALE: 1" = 800'	PROJECT NO: 150-445.0021	09/16/2016

I:\Svr-bridgeport\150-445-GIS\Maps\Task_0021\150445_0021_WATER_WELL_TOPO.mxd 12/21/2015 (mfrank)