

SURFACE HOLE LOCATION
SURVEYED LONGITUDE -80°09'08.31"

7,688'

**NORTHEAST NATURAL ENERGY LLC
MEPCO WELL NO. 5H
LEASE NO.
WV-061-003478-001**

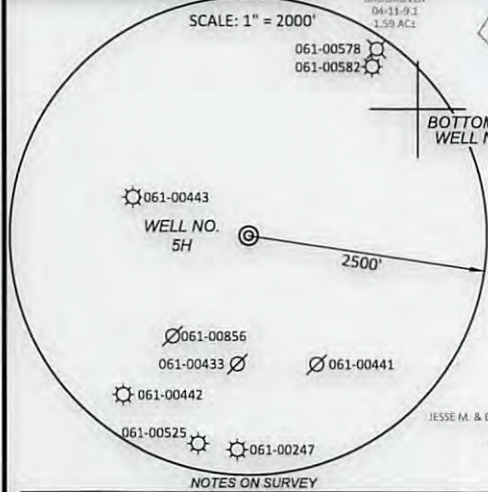
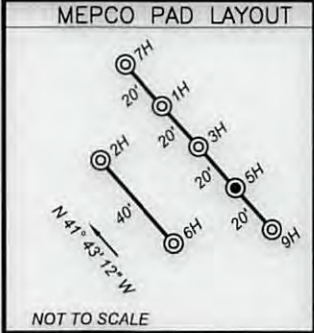
TOP HOLE (UTM NAD 83) N 4390688.24 E 572713.79
LANDING POINT (UTM NAD 83) N 4391018.99 E 572974.45
BOTTOM HOLE (UTM NAD 83) N 4392813.76 E 571572.80

BOTTOM HOLE LOCATION
SURVEYED LONGITUDE -80°09'55.36"

11,364'

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

(+) 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 625' 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 SOLUTION 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.

600 Marketplace Avenue, Suite 200
Bridgeport, WV 26330
Toll Free 855-488-9539
Fax 304-933-3327

Civil & Environmental Consultants, Inc.

DATE AUGUST 22, 2016

SCALE 1" = 1600' ACCURACY 1:2500

OPERATORS
WELL No. 5H

47 - 061 - 0175116A
API No.

TYPE OF WELL:

GAS:
Production Storage *Deep *Shallow

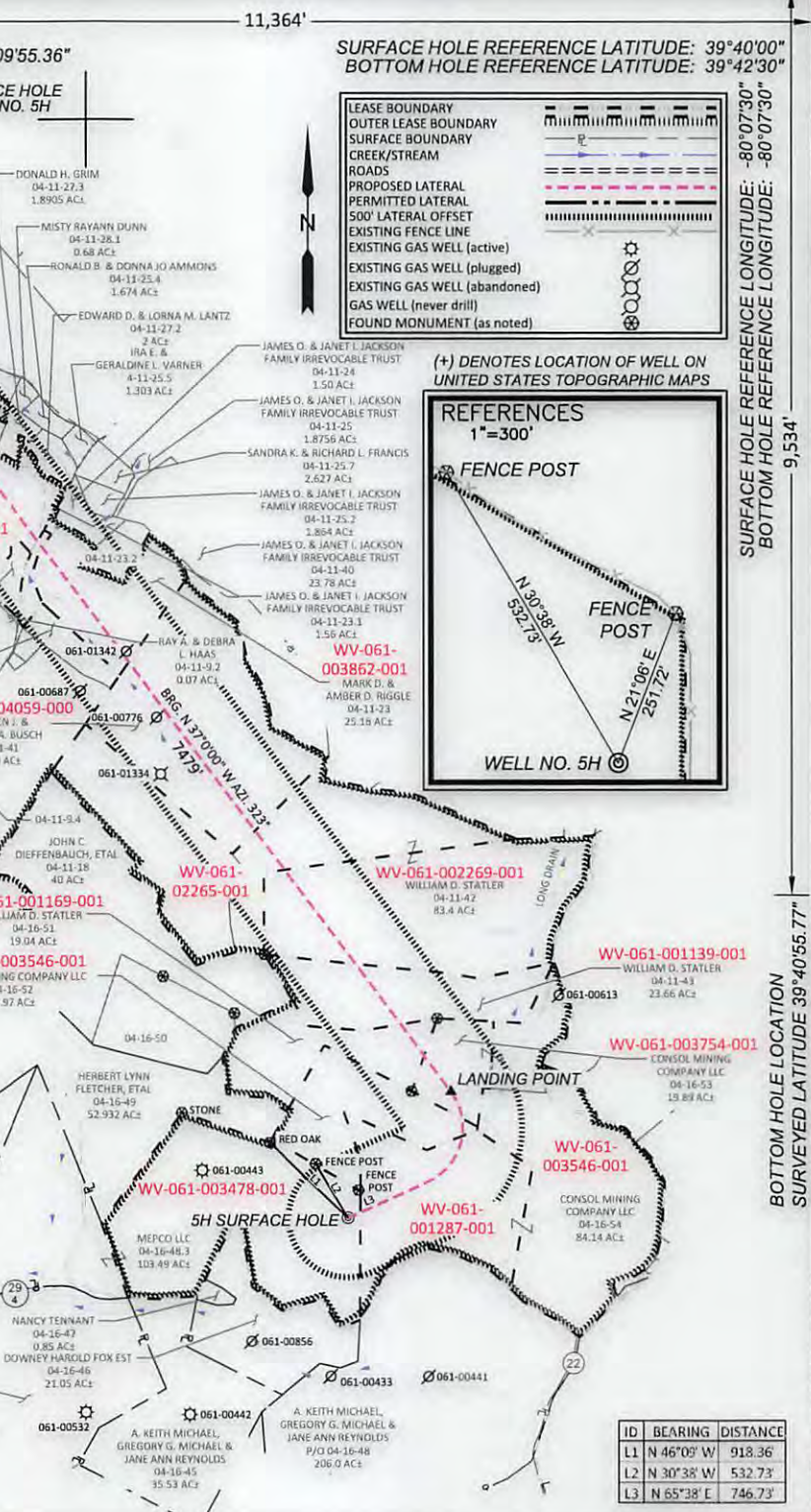
PROPOSED WORK ON LOCATION:

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: 16,481.60'

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



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
 LICENSED
 No. 991
 STATE OF WEST VIRGINIA
 PROFESSIONAL SURVEYOR

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

WELL AREA & LOCATION INFORMATION:

ELEVATION SOURCE DGPS (OPUS)
 ELEVATION 1454.00' (EXISTING), 1424.00' (PROPOSED)
 WATERSHED JAKES RUN OF DUNKARD CREEK DISTRICT SLAY
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 613.95 ±

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

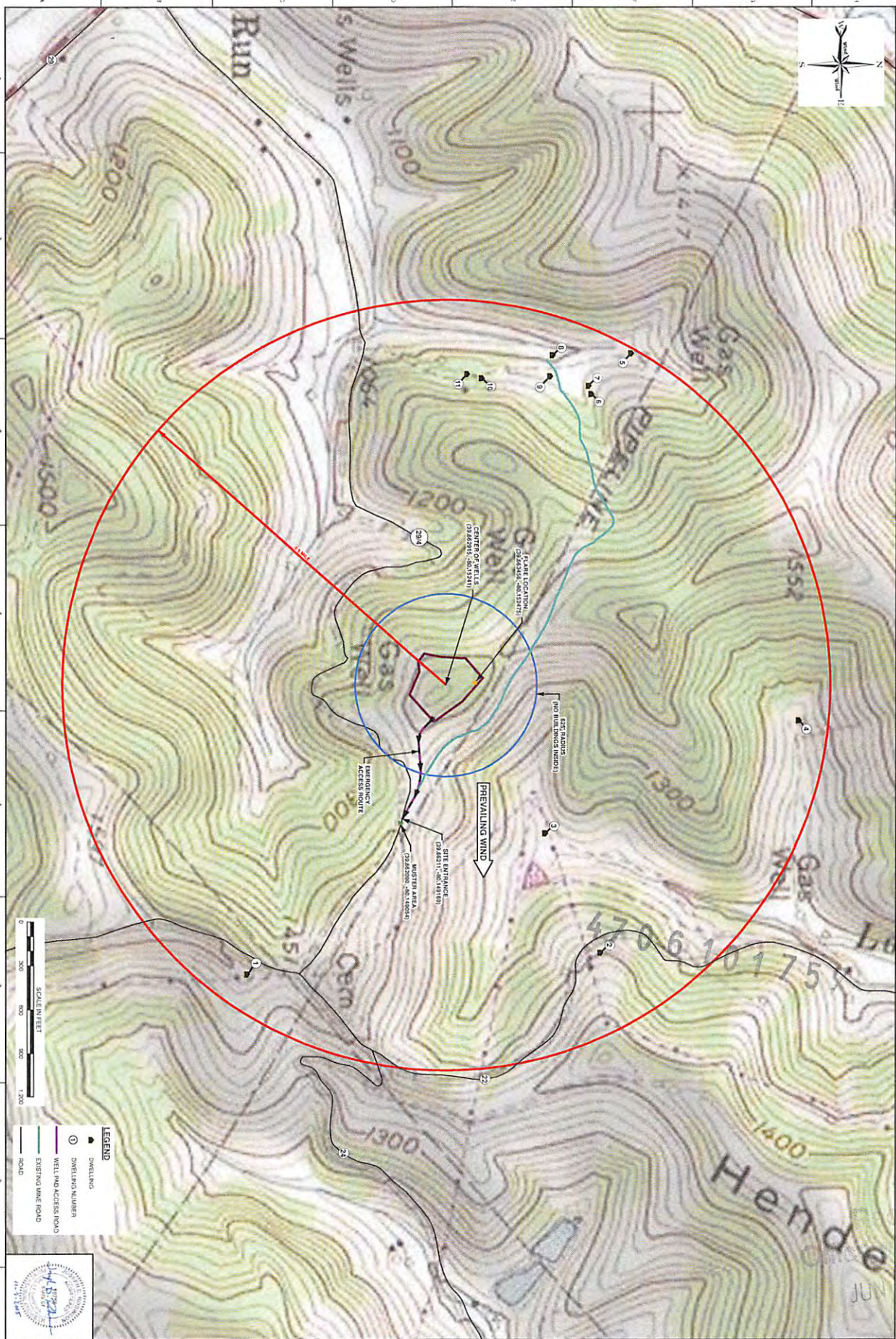
SURFACE HOLE LOCATION
SURVEYED LONGITUDE: -80°07'30"

1,368'

9,534'

BOTTOM HOLE LOCATION
SURVEYED LONGITUDE: -80°07'30"

BOTTOM HOLE LOCATION
SURVEYED LATITUDE 39°39'46.49"



LEGEND

- DWELLINGS
- WELL AND ACCESS ROAD
- EXISTING MINE ROAD
- ROAD



WELL SAFETY PLAN MAP

DATE	NOVEMBER 2015	DRAWN BY	GSK
DWG SCALE	1" = 300'	CHECKED BY	DMG/PT
PROJECT NO.	155-443		
APPROVED BY			

**NORTHEAST NATURAL ENERGY LLC
MEPCO LLC WELL PAD
CLAY DISTRICT
MONONGALIA COUNTY
WEST VIRGINIA**

CEC
Civil & Environmental Consultants, Inc.
600 Marketplace Avenue - Suite 200 - Bridgeport, WV 26330
PH: 304.933.3119 • Toll: 855.488.9539 • Fax: 304.933.3327
www.cecinc.com

REVISION RECORD

NO.	DATE	DESCRIPTION
1	1/6/2016	UPDATED LABELS

Received
Oil & Gas
JUN 06 2016

09/16/2016