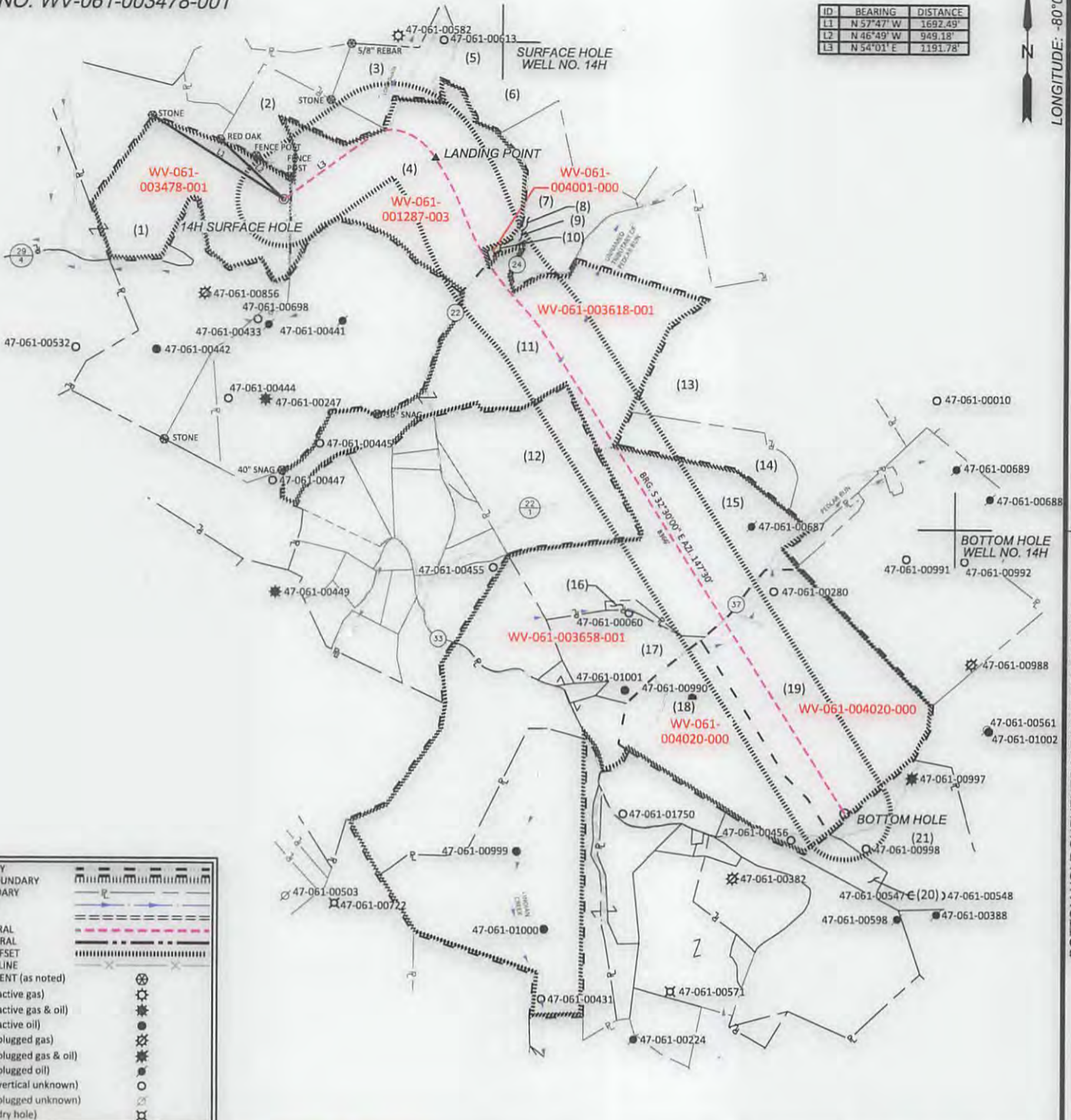


NORTHEAST NATURAL ENERGY LLC
MEPCO WELL NO. 14H
LEASE NO. WV-061-003478-001

ID	BEARING	DISTANCE
L1	N 57°47' W	1692.49'
L2	N 46°49' W	949.18'
L3	N 54°01' E	1191.78'



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

[Handwritten Signature]

DATE AUGUST 9, 2017
SCALE 1" = 1600' ACCURACY 1:2500
OPERATORS 14H
WELL No. 47 - 061 - 01791 MA
API No.

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



TYPE OF WELL:

GAS:
Production Storage *Deep *Shallow

PROPOSED WORK ON LOCATION:

WELL AREA & LOCATION INFORMATION:

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

ELEVATION SOURCE DGPS (OPUS)
ELEVATION 1451.18' (EXISTING), 1424.00' (PROPOSED)
WATERSHED JAKES RUN OF DUNKARD CREEK DISTRICT CLAY
COUNTY MONONGALIA TOPO QUAD BLACKSVILLE
SURFACE OWNER MEPCO LLC
ACREAGE 103.49 ±
ROYALTY OWNER NORTHEAST NATURAL ENERGY, LLC
(LEASE NO. WV-061-003478-001)
LEASE ACREAGE 607.30 ±

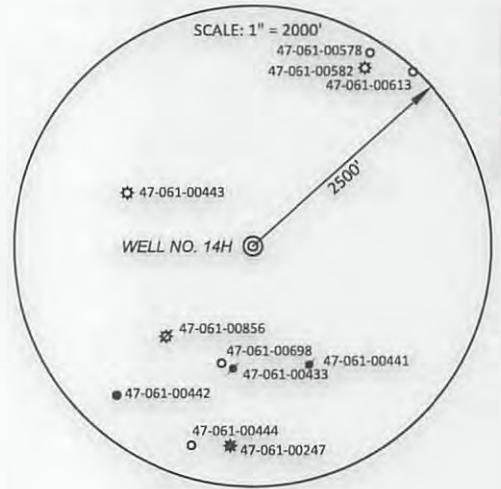
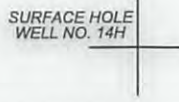
*TARGET FORMATION MARCELLUS
ESTIMATED DEPTH TVD: 8,222' TMD: 17,616.87'

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

11/05/2017

**NORTHEAST NATURAL ENERGY LLC
MEPCO WELL NO. 14H
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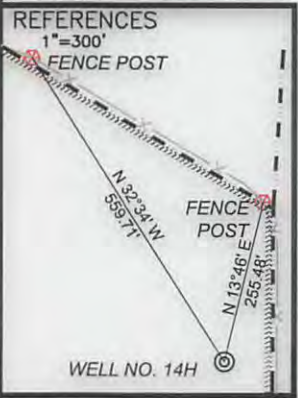


TOP HOLE (NAD 83)	LP (NAD 83)	BOTTOM HOLE (NAD 83)
N) 424220.26 E) 1784894.34 LAT.) 39°39'46.36" LONG.) 80°09'07.93" DEC. LAT.) 39.662877 DEC. LONG.) -80.152201	N) 424677.35 E) 1786542.41 LAT.) 39°39'50.99" LONG.) 80°08'46.89" DEC. LAT.) 39.664164 DEC. LONG.) -80.146359	N) 417634.80 E) 1791029.00 LAT.) 39°38'41.70" LONG.) 80°07'48.89" DEC. LAT.) 39.644917 DEC. LONG.) -80.130247
TOP HOLE (NAD 27)	LP HOLE (NAD 27)	BOTTOM HOLE (NAD 27)
N) 424183.19 E) 1816331.17 LAT.) 39°39'46.07" LONG.) 80°09'08.67" DEC. LAT.) 39.662796 DEC. LONG.) -80.152408	N) 424640.27 E) 1817979.19 LAT.) 39°39'50.70" LONG.) 80°08'47.64" DEC. LAT.) 39.664084 DEC. LONG.) -80.146566	N) 417597.64 E) 1822465.92 LAT.) 39°38'41.41" LONG.) 80°07'49.63" DEC. LAT.) 39.644837 DEC. LONG.) -80.130454

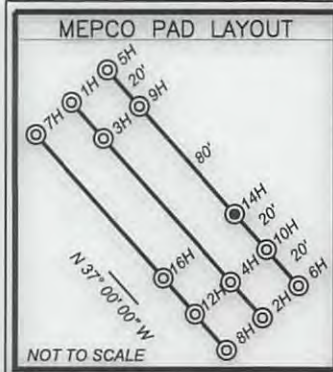
TOP HOLE (UTM NAD 83)
N) 4390684.33 E) 572722.96
LANDING POINT (UTM NAD 83)
N) 4390831.99 E) 573222.75
BOTTOM HOLE (UTM NAD 83)
N) 4388709.13 E) 574625.55

TAG	OWNER	DIST-TM-PAR	AC. ±
1	MEPCO LLC	4-16-48.3	103.49
2	CONSOL MINING COMPANY LLC	4-16-52	19.97
3	CONSOL MINING COMPANY LLC	4-16-53	19.89
4	CONSOL MINING COMPANY LLC	4-16-54	84.14
5	WILLIAM D. STATLER SR.	4-11-44	23.77
6	DONALD STULL ET AL	4-11-45	46.85
7	PATRICIA STULL	4-16-58	27.91
8	CONSOL MINING COMPANY LLC	4-16-57	-
9	PATRICIA STULL	4-16-56	0.25
10	MT. HARMON M E CHURCH	4-16-55	0.482
11	JOE CLARK STATLER	4-16-66	97.690
12	ROBERT J. & IRENE C. CARUBIA	4-16-70	75.17
13	ROGER GOODWIN	4-16-67	140.00
14	ROGER GOODWIN	4-16-68	20.00
15	PATRICIA STULL	4-16-69	86.722
16	ROY N. & CAROL A. TENNANT	4-16-78	2.025
17	ROY N. & CAROL A. TENNANT	4-16-77	21.421
18	MARK V. & BETTY EDDY	4-16-79	49.995
19	MARK & BETTY EDDY	4-16-80	89.994
20	HOWARD S. & MYRA D. EDDY	4-22-1.1	6.72
21	HOWARD S. & MYRA D. EDDY	4-22-1	41.655

(+) 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 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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 ADDRESS 707 VIRGINIA STREET EAST, SUITE 1200 ADDRESS 707 VIRGINIA STREET EAST, SUITE 1200
CHARLESTON, WV 25301 CHARLESTON, WV 25301

SURFACE HOLE SURVEYED LATITUDE 39°39'46.36"
 BOTTOM HOLE SURVEYED LATITUDE 39°38'41.70"