LEGEND

PROPOSED GAS WELL
EXISTING WATER WITHDRAWAL POINT PARCEL LINES
PARCEL DESIGNATION

(SEE PAGE 2)

A

MUNICIPAL BOUNDARY
PAVED ROAD

R3000'
MONONGAHELA RIVER
BRADDOCK AVENUE
(SR 2083)
ET-BRADDOCK 1H
WELL PAD
ACCESS ROAD

EXISTING BUILDINGS

BUILDING CORNER
N73° 07' 35" W  325'

CITY OF DUQUESNE
MONONGAHELA RIVER

NORTH BRADDOCK BOROUGH

BUILDING CORNER
N73° 07' 35" W  325'

WEST MIFFLIN BOROUGH

NORTH VERSAILLES TOWNSHIP

NORTH BRADDOCK BOROUGH

BRADDOCK AVENUE
(EAST PITTSBURGH BOROUGH)

ET-BRADDOCK 1H

GROUN D WATER WITHDRAWAL

TURTLE CREEK

TRIB EAST TO TURTLE CREEK

TRIB WEST TO WATER WITHDRAWAL

MONONGAHELA RIVER

EAST PITTSBURGH BOROUGH

SURFACE LOCATION
LATITUDE: NORTH (NAD 83)
N40°23'35.45"
LONGITUDE: WEST (NAD 83)
W79°50'46.81"

SURFACE HOLE LOCATION

DEPARTMENT OF ENVIRONMENTAL PROTECTION

WELL IS LOCATED ON TOPO MAP 8556 FEET SOUTH OF LATITUDE N40°25'00"

DEP USE ONLY

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS MANAGEMENT
WELL LOCATION PLAT

PAGE 1 Surface Location

This plan is for well location purposes and is not a boundary retracement survey. Ties to surveyed monuments are for gas well re-location only.

Parcel data and topographic features taken from county tax data, available GIS and PASDA imagery. Proposed well reference ties are from actual field survey.

Applicant / Well Operator Name: MERRION OIL & GAS
DEP ID #: 329555
Well (Farm) Name: ET-BRADDOCK 1H
Well #: 1H
Serial #: ACC

Address: 601 REILY AVE., FARMINGTON, NM 87401

County: ALLEGHENY

Municipality: EAST PITTSBURGH BOROUGH

Well Type: UNCONVENTIONAL

911 address of well site: 573 BRADDOCK AVENUE, EAST PITTSBURGH, PA 15112-1224

USGS 7½' Quadrangle Map Name: BRADDOCK

Map Section: 7

Surface Elevation: ±590 AC.

Dwg #: BRD5000 H WELL PLT_07020114

Date: MARCH 2019

Scale: 1" = 1000'

Tract: ±590 AC.

Surveyor or Engineer: ARM GROUP, INC.
MICHAEL DEAN RACE
NO. PE083105

Phone #: (814) 272-0455

Lat. & Long Metadata Method: GPS
Accuracy: ±3 FT
Datum: NAD 83

Elevation Metadata Method: PA LIDAR
Accuracy: ±5 FT
Datum: NAVD 88

Survey Date: 07/20/2017

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Survey Date: 07/20/2017
DEP Statewide toll-free phone number for reporting cases of water contamination which may be associated with development of oil and gas resources is 1-866-255-5158.

<table>
<thead>
<tr>
<th>Applicant / Well Operator Name:</th>
<th>DEP ID #:</th>
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<th>Serial #:</th>
</tr>
</thead>
<tbody>
<tr>
<td>MERRION OIL &amp; GAS</td>
<td>329655</td>
<td>ET-BRADDOCK 1H</td>
<td>1H</td>
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</tbody>
</table>

Surface Landowner / Lessor:
UNITED STATES STEEL CORPORATION/MERRION OIL & GAS

Angle & Course of Deviation (Drilling):
DEViated-SEE ATTACHMENT
SHL to LP: N11°27'53"E 766' LP to PBHL: N29°12'11"W 9,950'

Anticipated True Vertical Depth Feet (TVD): 6788
Anticipated Total Measured Depth Feet (TMD): 16,788

Target Formation(s):
MARCELLUS

Date: MARCH 2019

Deepest Formation to be penetrated: MARCELLUS
Number of laterals: 1
Total footage to be drilled all laterals: 16,788

<table>
<thead>
<tr>
<th>Surface Owner/Water Purveyor w/Water Supply within 1000'/3000'</th>
<th>Latitude Longitude of Water Supply</th>
<th>Accuracy ±30'</th>
</tr>
</thead>
<tbody>
<tr>
<td>A VALUE ADDED PROCESSING INC. 760 BRADDOCK AVENUE, EAST PITTSBURGH, PA 15112</td>
<td>N74°27'40&quot;E 2.976'</td>
<td>Latitude: N40°23'44.00&quot; Longitude: W79°50'10.00&quot;</td>
</tr>
<tr>
<td>B UNITED STATES STEEL CORPORATION 1300 BRADDOCK AVENUE, BRADDOCK, PA 15104</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Municipality: where the well will be drilled, adjacent to the well, or within 3000 feet.

NORTH VERSAILLES TOWNSHIP
EAST PITTSBURGH BOROUGH
NORTH BRADDOCK BOROUGH
CITY OF DUQUESNE
BOROUGH OF EAST McKEESPORT
TURTLE CREEK BOROUGH
WILMERDING BOROUGH
WALL BOROUGH
TRAFFORD BOROUGH
MUNICIPALITY OF MONROEVILLE
WHITE OAK BOROUGH
CITY OF McKEESPORT
WEST MIFFLIN BOROUGH
NORTH HUNTINGDON TOWNSHIP

Coal Related Parties
N/A
ET-BRADDUCK 1H GAS TRACT BOUNDARY (+ 590 AC.)

ET-BRADDUCK 1H & KOP-1 PROPOSED LANDING POINT

PROPOSED BOTTOM HOLE LOCATION

GAS TRACT BOUNDARY TIES

<table>
<thead>
<tr>
<th>LINE #</th>
<th>DIRECTION</th>
<th>LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>L1</td>
<td>N11° 25' 32.24&quot;W</td>
<td>279.14</td>
</tr>
<tr>
<td>L2</td>
<td>N80° 41' 34.82&quot;E</td>
<td>700.58</td>
</tr>
</tbody>
</table>

LEGEND

- PROPOSED GAS WELL
- PROPOSED BORE PATH
- PROPOSED WELL PAD
- GAS TRACT BOUNDARY TIE LINE
- GAS TRACT BOUNDARY LINE
- PAVED ROAD

THIS PLAN IS FOR WELL LOCATION PURPOSES AND IS NOT A BOUNDARY RETRACEMENT SURVEY. TIES TO SURVEYED MONUMENTS ARE FOR GAS WELL RE-LOCATION ONLY. PARCEL DATA AND TOPOGRAPHIC FEATURES TAKEN FROM COUNTY TAX DATA, AVAILABLE GIS AND PASDA IMAGERY. PROPOSED WELL REFERENCE TIES ARE FROM ACTUAL FIELD SURVEY.