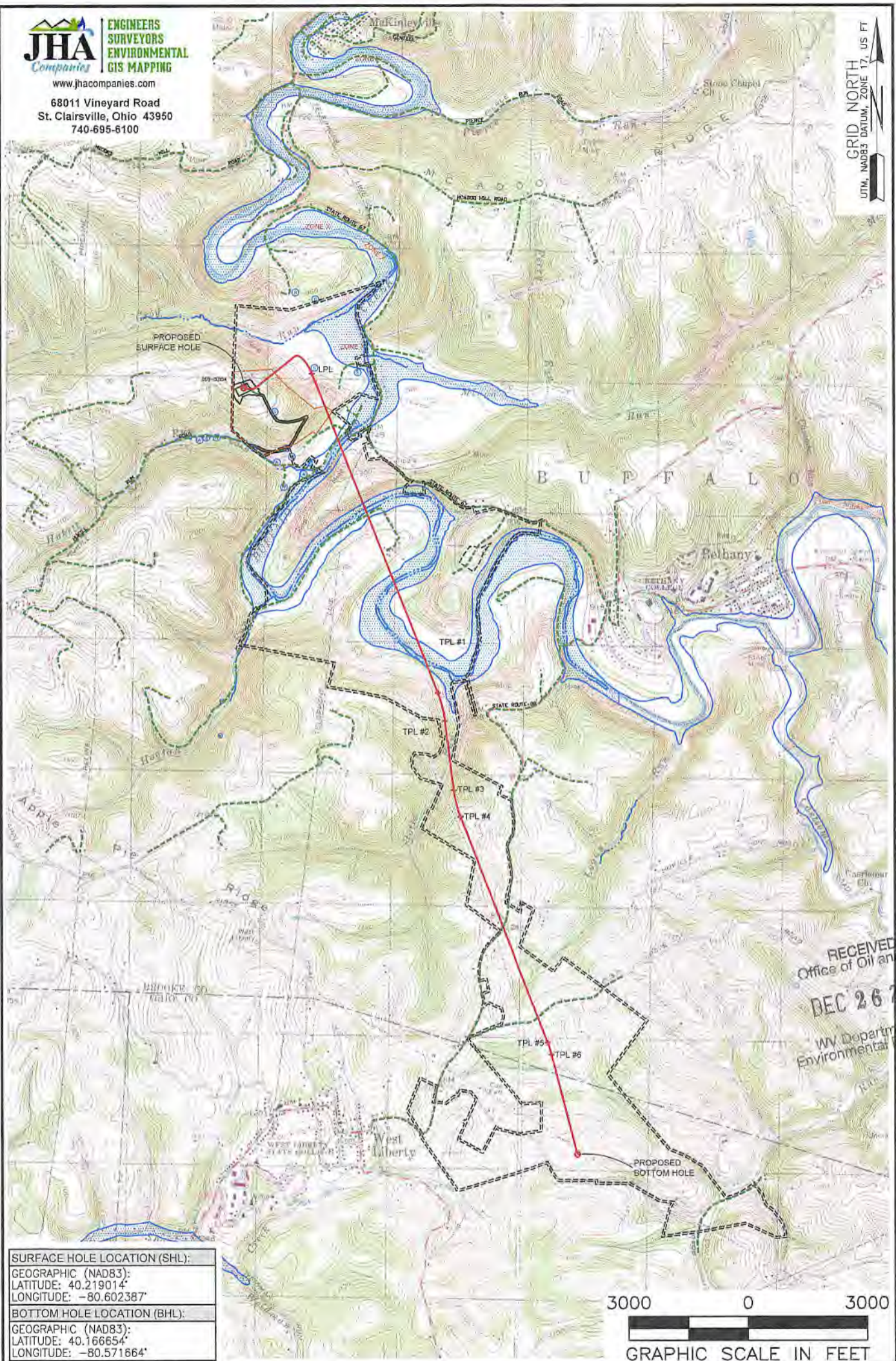


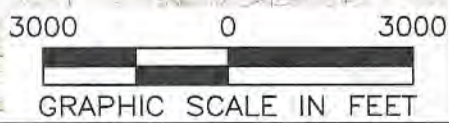
JHA
Companies
ENGINEERS
SURVEYORS
ENVIRONMENTAL
GIS MAPPING
www.jhacompanies.com
68011 Vineyard Road
St. Clairsville, Ohio 43950
740-695-6100

GRID NORTH
UTM, NAD83 DATUM, ZONE 17, US FT



RECEIVED
Office of Oil and Gas
DEC 26 2019
WV Department of
Environmental Protection

| |
|---|
| SURFACE HOLE LOCATION (SHL): |
| GEOGRAPHIC (NAD83): LATITUDE: 40.219014° LONGITUDE: -80.602387° |
| BOTTOM HOLE LOCATION (BHL): |
| GEOGRAPHIC (NAD83): LATITUDE: 40.166654° LONGITUDE: -80.571664° |



NOTES ON SURVEY
1. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
2. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
3. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

| | | |
|-------------------------------|-------------------------------------|------------------|
| LEGEND: | PROPOSED SURFACE HOLE / BOTTOM HOLE | NATURAL WATERWAY |
| EXISTING / PRODUCING WELLHEAD | ACCESS ROAD | PUBLIC ROAD |
| LPL LANDING POINT LOCATION | ACCESS ROAD TO PREV. SITE | LEASE BOUNDARY |
| FLOOD PLAIN | PROPOSED PATH | |

| | | | |
|--|---|----------------------|-----------------------------|
| WELL OPERATOR: SWN PRODUCTION COMPANY, LLC | WELL (FARM) NAME: ROBERT BONE BRK | WELL # 10H | SERIAL # XXXX |
| ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201, MORGANTOWN, WV 26508 | COUNTY: BROOKE | CODE: 009 | DISTRICT: BUFFALO |
| SURFACE OWNER: ROBERT BONE | USGS 7 1/2 QUADRANGLE MAP NAME: BETHANY, WV | | |

LATITUDE: 40°15'00" SURFACE HOLE (2000' SCALE)

5374'

LATITUDE: 40°12'30" BOTTOM HOLE (2000' SCALE)

8444'



68011 Vineyard Road
St. Clairsville, Ohio 43950
740-695-6100



NOTES ON SURVEY

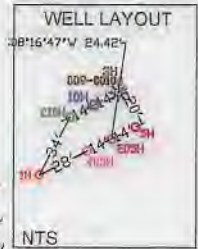
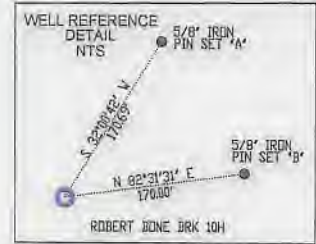
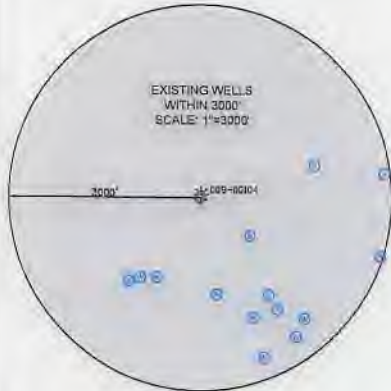
1. COORDINATE SYSTEM IS UTM NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
2. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
3. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
4. NO DWELLINGS OR BUILDINGS WITHIN 625 FEET OF PROPOSED CENTER OF PAD.
5. NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
6. NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF THE LIMITS OF DISTURBANCE.
7. NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.

GRID NORTH
UTM, NAD83 DATUM, ZONE 17, US FT

LONGITUDE: 80°32'30" BOTTOM HOLE (2000' SCALE)

11298'

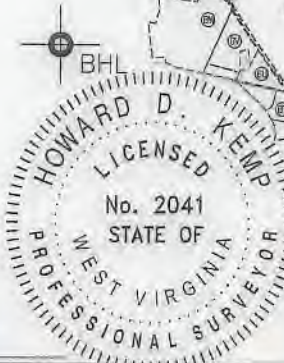
| LINE | BEARING | DISTANCE |
|------|---------------|-----------|
| L1 | N 56°25'13" E | 854.64' |
| L2 | S 77°24'20" E | 2,095.57' |



| |
|---|
| SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4452141.89 EASTING: 533831.48 |
| LANDING POINT LOCATION (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4452261.19 EASTING: 534352.97 |
| BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4446342.44 EASTING: 536473.62 |

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 REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

P.S. 2041



COMPANY: **SWN** Production Company, LLC

| | | |
|---|--|---|
| WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034 | (+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS MINIMUM DEGREE OF ACCURACY: 1/200 PROVEN SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT) | ROBERT BONE BRK OPERATOR'S WELL #: 10H API WELL #: 47 009 00287 MID STATE COUNTY PERMIT |
|---|--|---|

WELL TYPE: OIL WASTE DISPOSAL PRODUCTION DEEP GAS LIQUID INJECTION STORAGE SHALLOW

WATERSHED: UPPER OHIO SOUTH
DISTRICT: BUFFALO COUNTY: BROOKE
SURFACE OWNER: ROBERT BONE
OIL & GAS ROYALTY OWNER: ROBERT BONE

DRILL DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION

CONVERT PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY)

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,125' TVD 27,220' TMD

| | |
|--|--|
| WELL OPERATOR: SWN PRODUCTION COMPANY, LLC ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508 | DESIGNATED AGENT: BRITTANY WOODY ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508 |
|--|--|

| | | |
|---|--|--|
| LEGEND: (●) PROPOSED SURFACE HOLE / BOTTOM HOLE (⊙) EXISTING / PRODUCING WELLHEAD LPL LANDING POINT LOCATION (W) EXISTING WATER WELL (S) EXISTING SPRING | (---) NATURAL WATERWAY (---) SURVEYED BOUNDARY (==) LEASE BOUNDARY (---) PROPOSED PATH (---) PUBLIC ROAD | REVISIONS: DATE: 12-11-2019 API NO: 47-069-XXXX DRAWN BY: R.GRIMES SCALE: 1" = 3000' DRAWING NO: 2017-219 WELL LOCATION PLAT |
|---|--|--|

LONGITUDE: 80°35'00" SURFACE HOLE (2000' SCALE)

