

BOTTOM HOLE LATITUDE: 40°07'30"

9573'

SURFACE HOLE LATITUDE: 40°07'30"

3328'

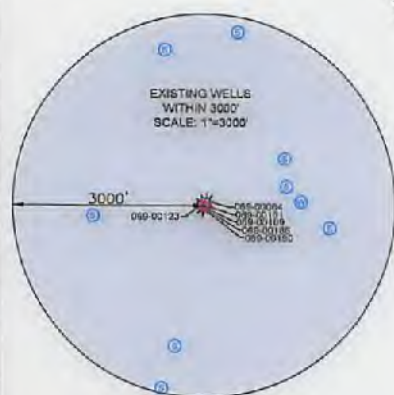
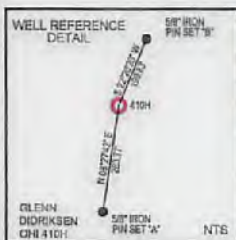


www.jhacompanies.com
68011 Vineyard Road
St. Clairsville, Ohio 43960
740-695-6100

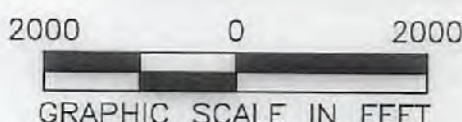
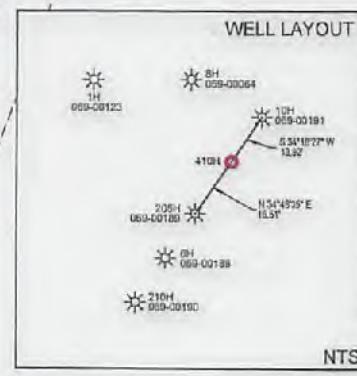
NOTES ON SURVEY

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.

| LINE | BEARING | DISTANCE |
|------|---------------|----------|
| L1 | S 08°46'50" W | 1375.80' |
| L2 | S 52°06'34" W | 1066.13' |



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|--|
| SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4440489.72 EASTING: 534514.65 |
| LANDING POINT (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4440728.37 EASTING: 535244.81 |
| BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4439147.72 EASTING: 536166.63 |



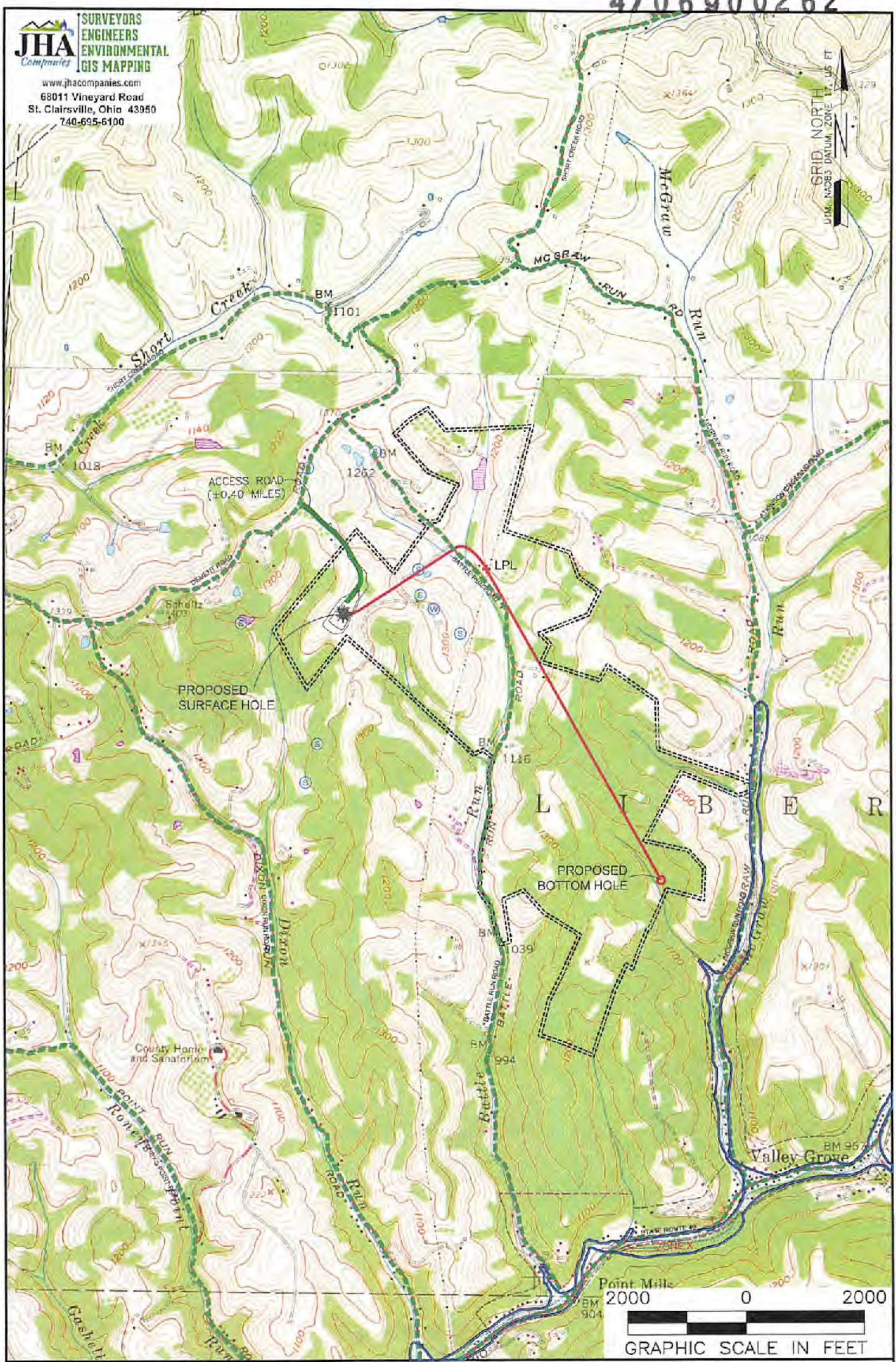
I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

P.S. 2041 *Howard D. Kemp* 2-14-18

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| <p>(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034</p> | MINIMUM DEGREE OF ACCURACY: 1/200 PROVEN SURVEY SOURCE OF GRADE GPS ELEVATION: (NAVD 88, US FT) | COMPANY: SWN Production Company, LLC OPERATOR'S WELL #: GLENN DIDRIKSEN OHI 410H API WELL #: 47 069 00262 STATE COUNTY PERMIT |
| | WELL TYPE: OIL <input type="checkbox"/> WASTE DISPOSAL <input type="checkbox"/> PRODUCTION <input checked="" type="checkbox"/> DEEP <input type="checkbox"/> GAS <input checked="" type="checkbox"/> LIQUID INJECTION <input type="checkbox"/> STORAGE <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> | WATERSHED: UPPER OHIO SOUTH DISTRICT: LIBERTY COUNTY: OHIO SURFACE OWNER: GLENN DIDRIKSEN OIL & GAS ROYALTY OWNER: GLENN DIDRIKSEN DRILL <input checked="" type="checkbox"/> DRILL DEEPER <input type="checkbox"/> REDRILL <input type="checkbox"/> FRACTURE OR STIMULATE <input checked="" type="checkbox"/> PLUG OFF OLD FORMATION <input type="checkbox"/> PERFORATE NEW FORMATION <input type="checkbox"/> CONVERT <input type="checkbox"/> PLUG & ABANDON <input type="checkbox"/> CLEAN OUT & REPLUG <input type="checkbox"/> OTHER CHANGE <input type="checkbox"/> (SPECIFY) TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,554' TO 16,531.7' MD |
| LEGEND: (●) PROPOSED SURFACE HOLE / BOTTOM HOLE (★) EXISTING / PRODUCING WELLHEAD LPL+ LANDING POINT LOCATION (⊙) EXISTING WATER WELL (⊕) EXISTING SPRING | (---) SURVEYED BOUNDARY (---) DRILLING UNIT (---) LEASE BOUNDARY (---) PROPOSED PATH | REVISIONS: DATE: 02-14-2018 DRAWN BY: M. SNIDER SCALE: 1" = 2000' DRAWING NO: 2017-342 WELL LOCATION PLAT |

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

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



NOTES ON SURVEY
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 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
 * EXISTING / PRODUCING WELLHEAD
 LPL * LANDING POINT LOCATION
 [Blue outline] FLOOD PLAIN
 [Green line] ACCESS ROAD
 [Dashed line] PUBLIC ROAD
 [Black line] ACCESS ROAD TO PREV. SITE
 [Dotted line] LEASE BOUNDARY
 [Red line] PROPOSED PATH

02/23/2018

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|---|--|----------------------|------------------|
| WELL OPERATOR: SWN PRODUCTION COMPANY, LLC | WELL (FARM) NAME: GLENN DIDRIKSEN OHI | WELL # 410H | SERIAL # XXXX |
| ADDRESS: P.O. BOX 1300 JANE LEW, WV 26378 | COUNTY - CODE OHIO - 069 | DISTRICT; LIBERTY | |
| SURFACE OWNER: GLENN DIDRIKSEN | USGS 7 1/2 QUADRANGLE MAP NAME VALLEY GROVE, WV | | |