

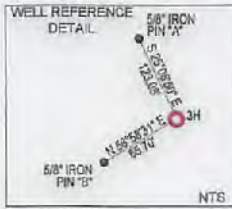
LATITUDE: 39°42'30" BOTTOM HOLE 12755'

LATITUDE: 39°42'30" SURFACE HOLE

4102'



www.jhacompanies.com  
68011 Vineyard Road  
St. Clairsville, Ohio 43950  
740-696-8100



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.

Table with 3 columns: LINE, BEARING, DISTANCE. Contains data for L1 and L2.



9372'

LONGITUDE: -80°37'30" BOTTOM HOLE

LONGITUDE: -80°37'30" SURFACE HOLE

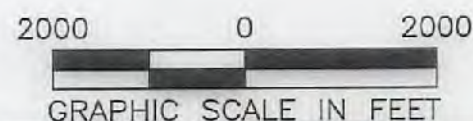
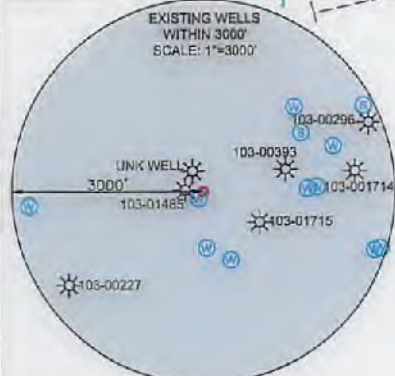
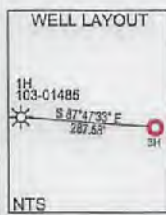
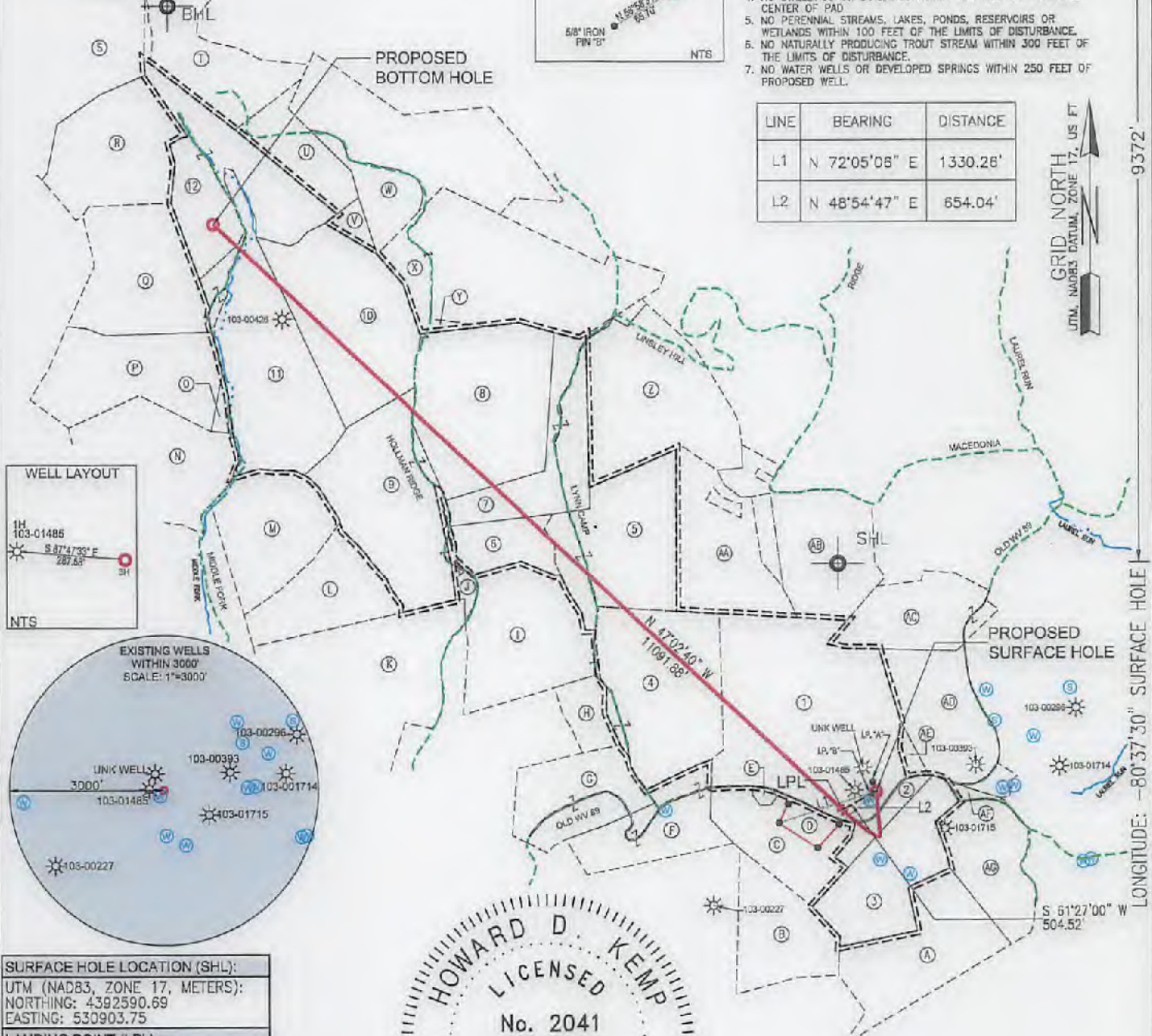


Table with 3 rows: SURFACE HOLE LOCATION (SHL), LANDING POINT (LPL), BOTTOM HOLE LOCATION (BHL). Each row includes UTM coordinates.

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 [Signature] 3-20-18

COMPANY: SWN Production Company, LLC

Table with 2 columns: Regulatory information (WVDEP address, accuracy, source) and Well identification (Operator's Well #, API Well #).

WELL TYPE: OIL [ ] WASTE DISPOSAL [ ] PRODUCTION [x] DEEP [ ] GAS [x] LIQUID INJECTION [ ] STORAGE [ ] SHALLOW [x]
WATERSHED: UPPER OHIO SOUTH ELEVATION: 1,342.0'
DISTRICT: PROCTOR COUNTY: WETZEL QUADRANGLE: WILEYVILLE, WV
SURFACE OWNER: SWN PRODUCTION COMPANY, LLC ACREAGE: +/-128.24
OIL & GAS ROYALTY OWNER: RODNEY CALVERT, ET AL ACREAGE: +/-128.24
DRILL [x] DRILL DEEPER [ ] REDRILL [ ] FRACTURE OR STIMULATE [x] PLUG OFF OLD FORMATION [ ] PERFORATE NEW FORMATION [ ]
CONVERT [ ] PLUG & ABANDON [ ] CLEAN OUT & REPLUG [ ] OTHER CHANGE [ ] (SPECIFY)
TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 7,386'

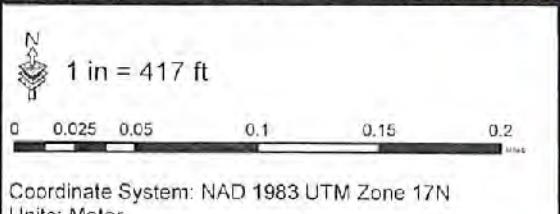
WELL OPERATOR: SWN PRODUCTION COMPANY, LLC DESIGNATED AGENT: DEE SOUTHALL
ADDRESS: P.O. BOX 1300 ADDRESS: P.O. BOX 1300
CITY: JANE LEW STATE: WV ZIP CODE: 26378 CITY: JANE LEW STATE: WV ZIP CODE: 26378

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: 03-20-2018. DRAWN BY: C. WEHR, SCALE: 1" = 2000', DRAWING NO: 2016-519, WELL LOCATION PLAT.

47 10303232



RECEIVED  
Office of Oil and Gas



APR 30 2018

WV Department of Environmental Protection

- P Pond
- S Spring
- W Water Well
- 1500' Buffer

**Water Purveyor Map**  
**Well Pad: SWN A**  
**County: WTZ**

**SWN** <sup>PZ</sup> <sup>W+</sup>  
Southwestern Energy®

08/24/2018

Date: 4/24/2018 | Author: willish