

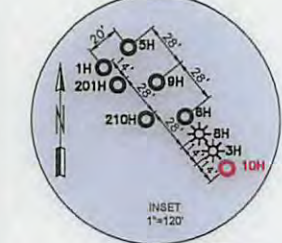
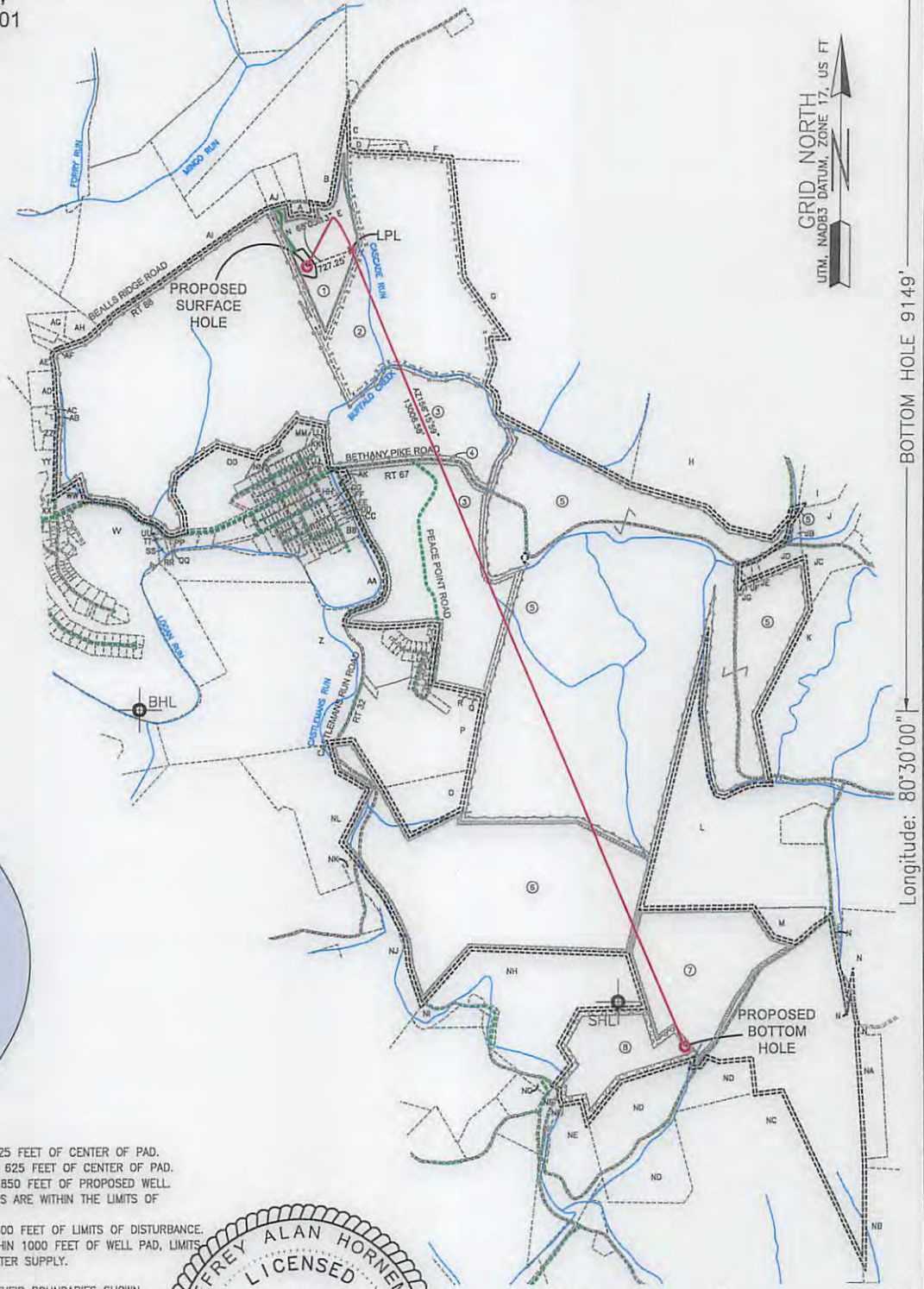
# ELK LAKE SERVICES, LLC

280 Indian Springs Road,  
Suite 123 Indiana, PA 15701  
Phone: (724) 463-7303

Latitude: 40°15'00" SURFACE HOLE 3716'

Latitude: 40°12'30" BOTTOM HOLE 9506'

|                                     |
|-------------------------------------|
| <b>SURFACE HOLE LOCATION (SHL):</b> |
| UTM (NAD83, ZONE 17, METERS):       |
| NORTHING: 4,451,743.51              |
| EASTING: 537,868.00                 |
| <b>LANDING POINT (LPL):</b>         |
| UTM (NAD83, ZONE 17, METERS):       |
| NORTHING: 4,451,826.26              |
| EASTING: 538,073.68                 |
| <b>BOTTOM HOLE LOCATION (BHL):</b>  |
| UTM (NAD83, ZONE 17, METERS):       |
| NORTHING: 4,448,197.13              |
| EASTING: 539,669.31                 |



**WELL RESTRICTIONS**

1. NO OCCUPIED DWELLINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
2. NO AGRICULTURE BUILDINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
3. WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 850 FEET OF PROPOSED WELL.
4. PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS ARE WITHIN THE LIMITS OF DISTURBANCE.
5. NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.
6. NO GROUND INTAKE OR PUBLIC WATER SUPPLY WITHIN 1000 FEET OF WELL PAD, LIMITS OF DISTURBANCE, E & S CONTROLS OR PUBLIC WATER SUPPLY.

**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.
  4. WELLBORE PARCELS ARE DESIGNATED WITH UNIQUE LINE TYPES.
- 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.



COMPANY: **SWN** Production Company, LLC **SWN** Production Company™

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| <p>(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS</p> <p>WVDEP<br/>OFFICE OF OIL &amp; GAS<br/>601 57TH STREET<br/>CHARLESTON, WV 25034</p> | <p>MINIMUM DEGREE OF ACCURACY: 1/200</p> <p>PROVEN SURVEY SOURCE OF GRADE GPS ELEVATION: (NAVD 88, US FT)</p>   | <p>COMPANY: <b>SWN</b> Production Company, LLC <b>SWN</b> Production Company™</p> <p>WORTHLEY BRK</p> <p>OPERATOR'S WELL #: 10H</p> <p>API WELL #: 47 9 00249 HLA</p> |
|   | <p>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"/></p> <p>WATERSHED: UPPER OHIO SOUTH ELEVATION: 1157.0'</p> <p>DISTRICT: BUFFALO COUNTY: BROOKE QUADRANGLE: BETHANY</p> <p>SURFACE OWNER: KIMBERLY CARMAN WORTHLEY ACREAGE: ±40.00</p> <p>OIL &amp; GAS ROYALTY OWNER: COLONIAL CORP, A NEVADA CORP, &amp; KIMBERLY J. CARMAN AKA KIMBERLY J. WORTHLEY, A MARRIED WOMAN DEALING IN HER SASP ACREAGE: ±40.00</p> <p>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"/></p> <p>CONVERT <input type="checkbox"/> PLUG &amp; ABANDON <input type="checkbox"/> CLEAN OUT &amp; REPLUG <input type="checkbox"/> OTHER CHANGE <input type="checkbox"/> (SPECIFY)</p> <p>TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,249' 05/18/2018</p> |   |

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

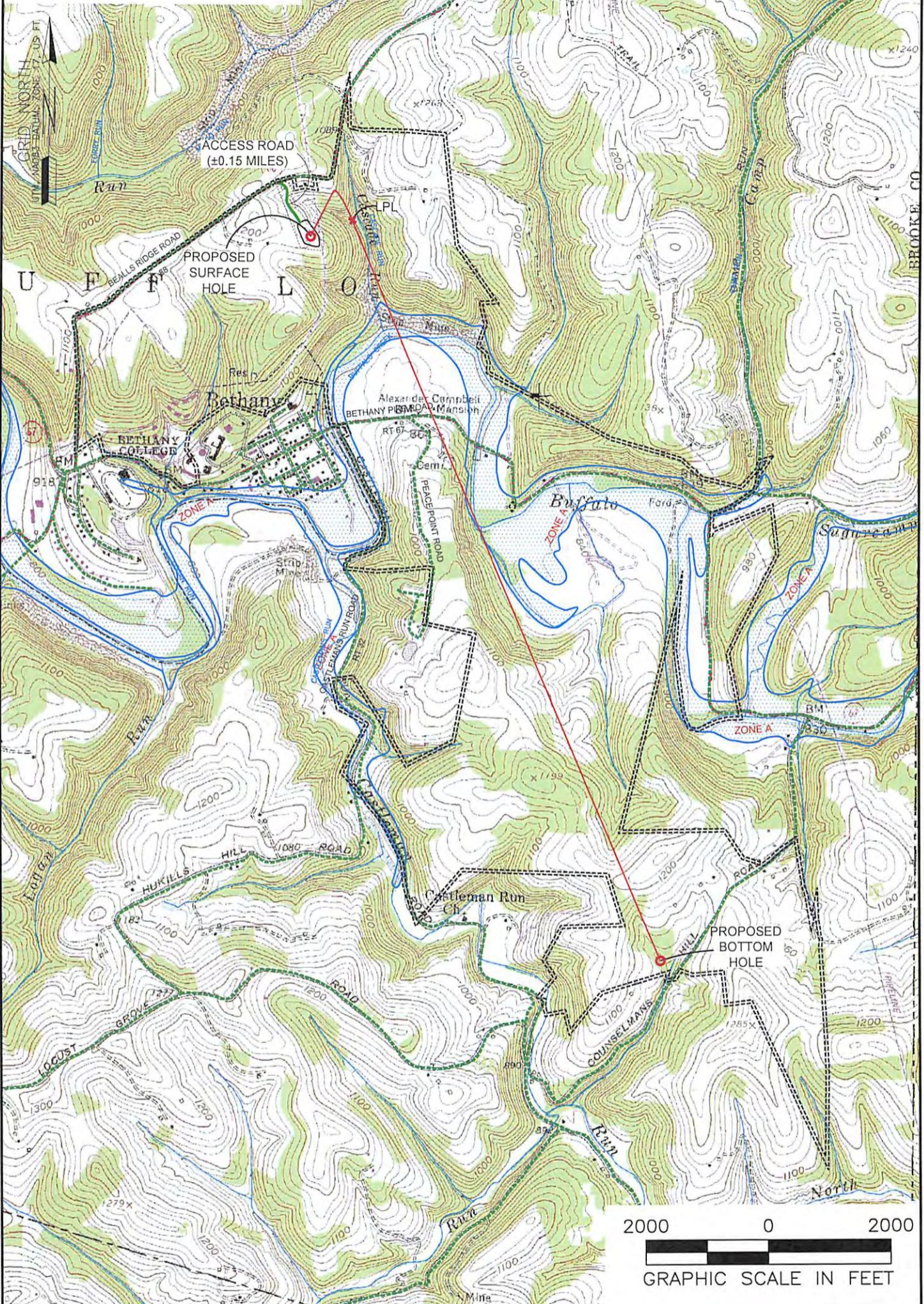
|   |  |
|---|--|
| <p><b>LEGEND:</b></p> <ul style="list-style-type: none"> <li>PROPOSED SURFACE HOLE / BOTTOM HOLE</li> <li>EXISTING / PRODUCING WELLHEAD</li> <li>LPL LANDING POINT LOCATION</li> <li>EXISTING WATER WELL</li> <li>EXISTING SPRING</li> <li>SURVEYED BOUNDARY</li> <li>DRILLING UNIT</li> <li>LEASE BOUNDARY</li> <li>PROPOSED PATH</li> </ul> | <p><b>REVISIONS:</b></p> <p>DATE: 02-14-2018</p> <p>FILE NO: 17-02</p> <p>DRAWN BY: N.LASSAK</p> <p>SCALE: 1" = 2500'</p> <p>DRAWING NO: 1</p> <p>WELL LOCATION PLAT 1</p> |
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4700 300249



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**LEGEND:**

- PROPOSED SURFACE HOLE / BOTTOM HOLE
- ☼ EXISTING / PRODUCING WELLHEAD
- LPL ✕ LANDING POINT LOCATION
- 🌊 FLOOD PLAIN
- ACCESS ROAD
- PUBLIC ROAD
- ACCESS ROAD TO PREV. SITE
- LEASE BOUNDARY
- PROPOSED PATH

05/18/2018

|   |   |                      |                  |
|---|---|----------------------|------------------|
| WELL OPERATOR:<br>SWN PRODUCTION COMPANY, LLC | WELL (FARM) NAME:<br>WORTHLEY BRK             | WELL #<br>10H        | SERIAL #<br>XXXX |
| ADDRESS:<br>P.O. BOX 1300 JANE LEW, WV 26378  | COUNTY<br>BROOKE                              | DISTRICT:<br>BUFFALO |                  |
| SURFACE OWNER:<br>KIMBERLY CARMAN WORTHLEY    | USGS 7 1/2 QUADRANGLE MAP NAME<br>BETHANY, WV |                      |                  |