

Latitude: 40°05'00" SURFACE HOLE 74'

Latitude: 40°07'30" BOTTOM HOLE | BOTTOM HOLE 3,454'

**ELK LAKE SERVICES, LLC**

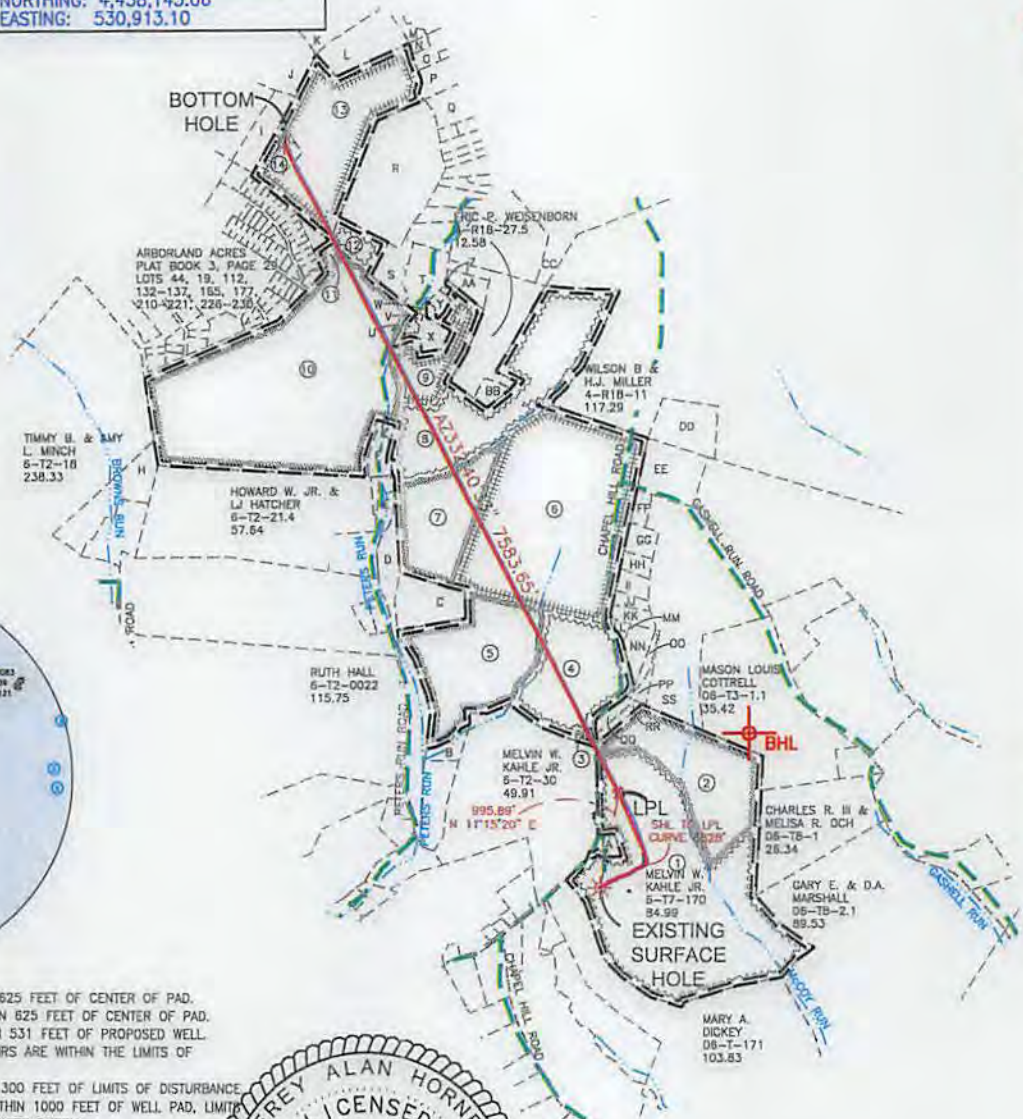
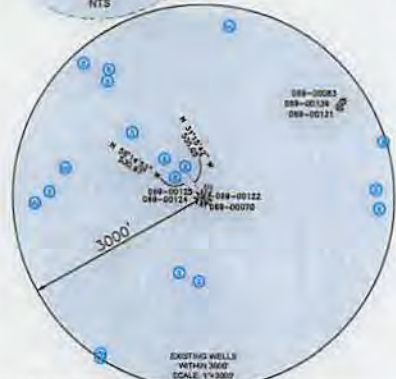
280 Indian Springs Road,  
Suite 123 Indiana, PA 15701  
Phone: (724) 463-7303

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

Longitude: 80°37'30"  
Longitude: 80°37'30"  
Longitude: 80°37'30"  
SURFACE HOLE 4,156'  
BOTTOM HOLE 11,689'

<b>SURFACE HOLE LOCATION (SHL):</b>
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,435,807.71
EASTING: 531,954.15
<b>LANDING POINT (LPL):</b>
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,436,129.82
EASTING: 531,996.88
<b>BOTTOM HOLE LOCATION (BHL):</b>
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,438,141.28
EASTING: 530,913.99

<b>SURFACE HOLE LOCATION (SHL):</b>
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,435,807.73
EASTING: 531,954.28
<b>LANDING POINT (LPL):</b>
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,436,052.95
EASTING: 532,041.03
<b>BOTTOM HOLE LOCATION (BHL):</b>
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,438,143.06
EASTING: 530,913.10



**WELL RESTRICTIONS**

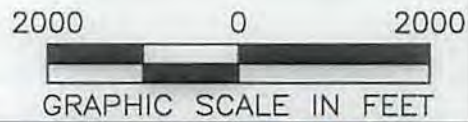
1. NO OCCUPIED DWELLINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
2. NO AGRICULTURE BUILDINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
3. WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 531 FEET OF PROPOSED WELL.
4. PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS ARE WITHIN THE LIMITS OF DISTURBANCE.
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.

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. 2164

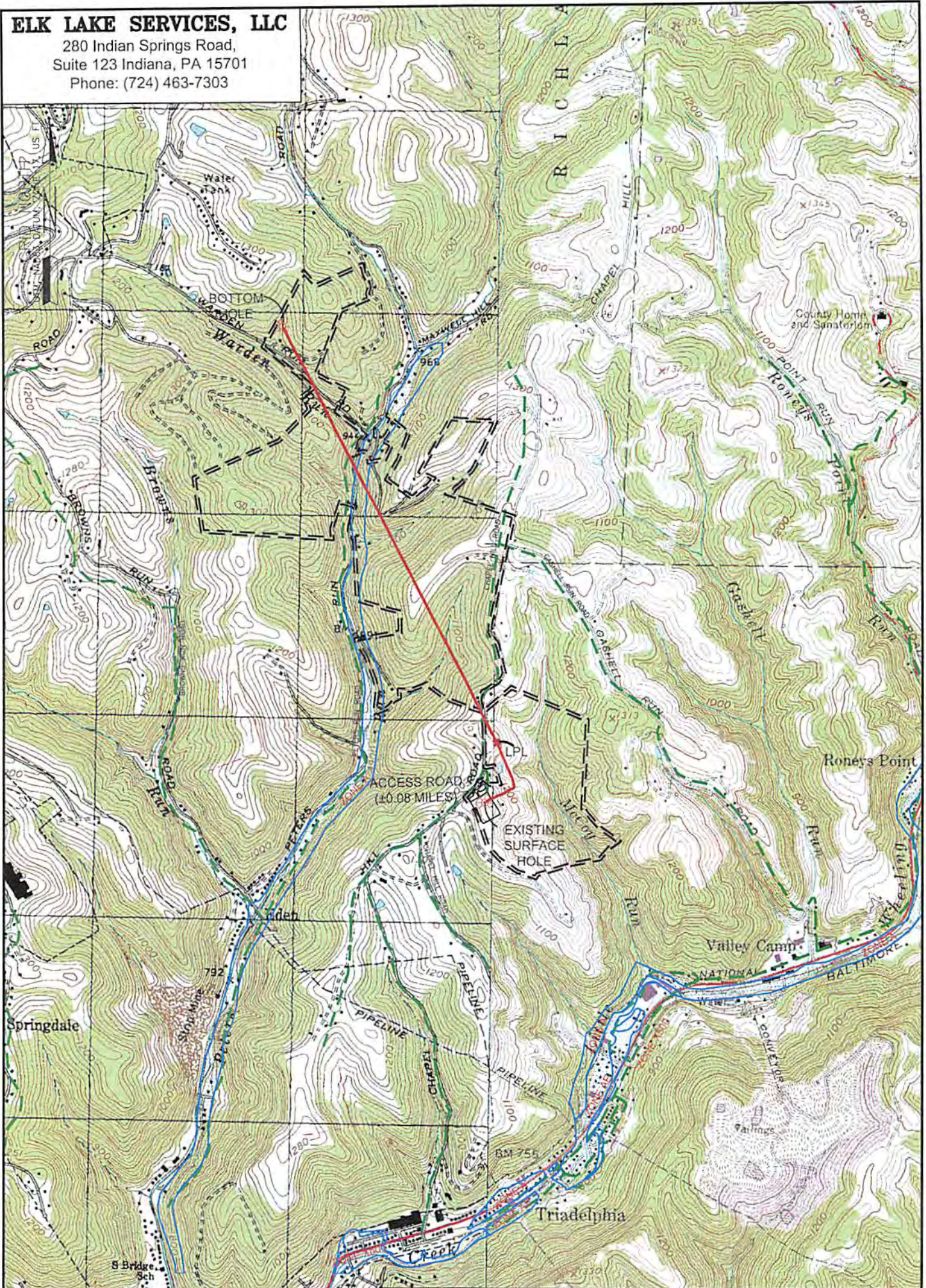


<p>(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS</p> <p>WVDEP OFFICE OF OIL &amp; GAS 601 57TH STREET CHARLESTON, WV 25034</p>	<p>MINIMUM DEGREE OF ACCURACY: 1/200</p> <p>PROVEN SURVEY SOURCE OF GRADE GPS ELEVATION: (NAVD 88, US FT)</p>	<p>COMPANY: <b>SWN</b> Production Company, LLC</p> <p>OPERATOR'S WELL #: MELVIN KAHLE OHI 5H</p> <p>API WELL #: 47 STATE 069 COUNTY 00220 PERMIT</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: 1276.6'</p> <p>DISTRICT: TRIADDELPHIA COUNTY: OHIO COUNTY QUADRANGLE: WHEELING, WV</p> <p>SURFACE OWNER: MELVIN W. AND CAROL M. KAHLE ACREAGE: ±84.99</p> <p>OIL &amp; GAS ROYALTY OWNER: MELVIN W. AND CAROL M. KAHLE ACREAGE: ±84.99</p> <p>DRILL <input type="checkbox"/> DRILL DEEPER <input type="checkbox"/> REDRILL <input type="checkbox"/> FRACTURE OR STIMULATE <input 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 checked="" type="checkbox"/> (SPECIFY) AS-DRILLED</p> <p>TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,320' TVD 14,325' TMD</p>	<p>WELL OPERATOR: SWN PRODUCTION COMPANY, LLC</p> <p>DESIGNATED AGENT: BRITTANY WOODY</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>— EXISTING PATH</li> <li>— PROPOSED PATH</li> </ul>	<p><b>REVISIONS:</b></p> <ul style="list-style-type: none"> <li>LEASE LINES MADE DARKER AND MORE VISIBLE</li> <li>SHL &amp; BHL TICK MARKS WERE CORRECTED</li> <li>USING CORRECT TOPO LAT. AND LONG.</li> </ul>	<p>DATE: 8/28/2018</p> <p>FILE NO: 16-51</p> <p>DRAWN BY: JMB</p> <p>SCALE: 1" = 2000'</p> <p>DRAWING NO: 1</p> <p>WELL LOCATION PLAT 1</p>

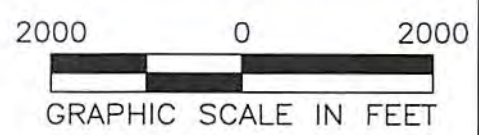


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Suite 123 Indiana, PA 15701  
Phone: (724) 463-7303



<b>SURFACE HOLE LOCATION (SHL):</b>
GEOGRAPHIC (NAD83)
LATITUDE: 40.071926799°
LONGITUDE: -80.625259951°
<b>BOTTOM HOLE LOCATION (BHL):</b>
GEOGRAPHIC (NAD83)
LATITUDE: 40.092989898°
LONGITUDE: -80.637346587°



**NOTES ON SURVEY**

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**LEGEND:**

PROPOSED SURFACE HOLE / BOTTOM HOLE	ACCESS ROAD
EXISTING / PRODUCING WELLHEAD	PUBLIC ROAD
LPL	ACCESS ROAD TO PREV. SITE
FLOOD PLAIN	LEASE BOUNDARY
	EXISTING PATH
	PROPOSED PATH

<b>WELL OPERATOR:</b> SWN PRODUCTION COMPANY, LLC	<b>WELL (FARM) NAME:</b> MELVIN KAHLE OHI	<b>WELL #</b> 5H	<b>SERIAL #</b> XXXX
<b>ADDRESS:</b> P.O. BOX 1300 JANE LEW, WV 26378	<b>COUNTY</b> OHIO COUNTY - 69	<b>DISTRICT:</b> TRIADELPHIA	
<b>SURFACE OWNER:</b> MELVIN W. AND CAROL M. KAHLE	<b>USGS 7 1/2 QUADRANGLE MAP NAME</b> WHEELING, WV		