



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

LATITUDE: 40°12'30" SURFACE HOLE

LATITUDE: 40°10'00" BOTTOM HOLE

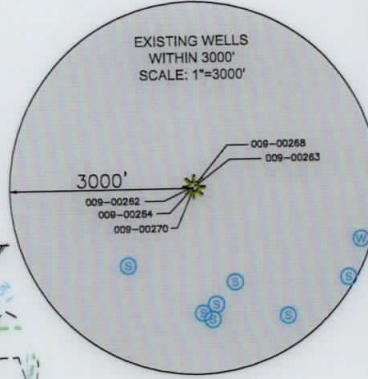
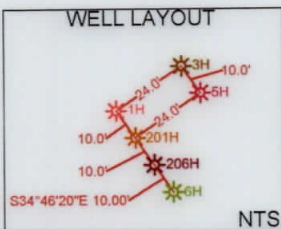
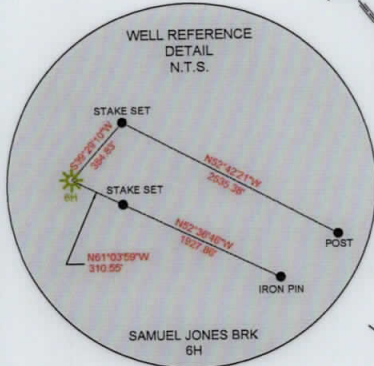
5424'

2664'

LONGITUDE: 80°32'30" BOTTOM HOLE

586'

LONGITUDE: 80°32'30" SURFACE HOLE



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

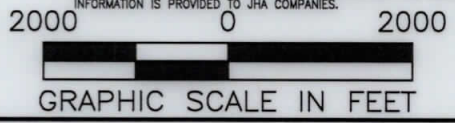
<b>SURFACE HOLE LOCATION (SHL):</b>
UTM (NAD83, ZONE 17, METERS):
<b>NORTHING: 4448987.91</b>
<b>EASTING: 537360.92</b>
<b>LANDING POINT LOCATION (LPL):</b>
UTM (NAD83, ZONE 17, METERS):
<b>NORTHING: 4448801.30</b>
<b>EASTING: 537197.66</b>
<b>BOTTOM HOLE LOCATION (BHL):</b>
UTM (NAD83, ZONE 17, METERS):
<b>NORTHING: 4446179.73</b>
<b>EASTING: 538237.52</b>
<b>SURFACE HOLE LOCATION (SHL):</b>
UTM (NAD83, ZONE 17, METERS):
<b>NORTHING: 4448987.91</b>
<b>EASTING: 537360.92</b>
<b>LANDING POINT LOCATION (LPL):</b>
UTM (NAD83, ZONE 17, METERS):
<b>NORTHING: 4448753.31</b>
<b>EASTING: 537218.24</b>
<b>BOTTOM HOLE LOCATION (BHL):</b>
UTM (NAD83, ZONE 17, METERS):
<b>NORTHING: 4446178.99</b>
<b>EASTING: 538235.36</b>



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]* 12/13/19

- NOTES ON SURVEY**
- COORDINATE SYSTEM IS UTM NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
  - 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.
  - THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
  - NO DWELLINGS OR BUILDINGS WITHIN 625 FEET OF PROPOSED CENTER OF PAD.
  - NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
  - NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF THE LIMITS OF DISTURBANCE.
  - NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.
  - THIS AS-DRILLED PLAT IS PREPARED FROM THE FINAL WELL PLAT PREPARED BY ELK LAKE SERVICES, LLC AND THE DRILLING INFORMATION IS PROVIDED TO JHA COMPANIES.



<p>WVDEP OFFICE OF OIL &amp; GAS 601 57TH STREET CHARLESTON, WV 25034</p>	<p>(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS</p> <p>MINIMUM DEGREE OF ACCURACY: 1/200</p> <p>PROVEN SURVEY SOURCE OF ELEVATION: GRADE GPS (NAVD 88, US FT)</p>	<p>COMPANY: <b>SWN</b> Production Company, LLC</p> <p>OPERATOR'S WELL #: 6H</p> <p>API WELL #: <b>47</b> STATE <b>009</b> COUNTY <b>00280</b> PERMIT</p>
	<p>SURFACE HOLE LOCATION (SHL):</p> <p>UTM (NAD83, ZONE 17, METERS):</p> <p><b>NORTHING: 4448987.91</b></p> <p><b>EASTING: 537360.92</b></p>	<p>SURFACE HOLE LOCATION (SHL):</p> <p>UTM (NAD83, ZONE 17, METERS):</p> <p><b>NORTHING: 4448987.91</b></p> <p><b>EASTING: 537360.92</b></p>

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

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1,204.2'

DISTRICT: BUFFALO COUNTY: BROOKE QUADRANGLE: BETHANY, WV

SURFACE OWNER: SAMUEL E. & JUDITH F. JONES ACREAGE: ±164.74

OIL & GAS ROYALTY OWNER: RESOURCE MINERAL HEADWATER I, LP ACREAGE: ±164.74

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

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

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,289' TVD 15,766' TMD

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

<p><b>LEGEND:</b></p> <ul style="list-style-type: none"> <li>EXISTING BOTTOM HOLE</li> <li>EXISTING / PRODUCING WELLHEAD</li> <li>EXISTING LANDING POINT LOCATION</li> <li>PROPOSED SURFACE HOLE / BOTTOM HOLE</li> <li>PROPOSED LANDING POINT LOCATION</li> <li>EXISTING WATER WELL</li> <li>EXISTING SPRING</li> <li>SURVEYED BOUNDARY</li> <li>LEASE BOUNDARY</li> <li>AS-DRILLED PATH</li> <li>PROPOSED PATH</li> </ul>	<p><b>REVISIONS:</b></p> <table border="1"> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </table>							<p><b>DATE:</b> 12-13-2019</p> <p><b>API NO:</b> 47-009-00280</p> <p><b>DRAWN BY:</b> D. REED</p> <p><b>SCALE:</b> 1" = 2000'</p> <p><b>DRAWING NO:</b> 2019-0265</p> <p><b>WELL LOCATION PLAT</b></p>

**WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS**

TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	SAMUEL E. & JUDITH F. JONES (S) RESOURCE MINERALS HEADWATER I, LP (R)	03-B43-60
TRACT	SURFACE OWNER	TAX PARCEL
2	ANNA MAE NORDEN	03-B48-22
3	HARRY L. & BEVERLY CHAMBERS (SURV)	03-B48-24.1
4	ROBERT M. & CHARLOTTE A. CHAMBERS	03-B48-24
5	SCOTT SONDA & MARK SONDA	03-B48-20
6	MARION PYLE STONE	03-B48-41
7	DONALD GRIMES, HOUSTON GRIMES & ANTHONY GRIMES	03-B48-40
8	MICHAEL & DEIRDRA O'HARA	03-L2-10.2

**ADJOINING OWNERS TABLE**

TRACT	SURFACE OWNER	TAX PARCEL
A	GENE C. VALENTINE, TRUST	03-B43-33
B	MARY LOU FONNER	03-B43-58
C	TRACY T. PUSKARICH	03-B43-59
D	ALBERT GLENN & REBECCA ANN AYERS	03-B43-61
E	ROBERT M. & CHARLOTTE A. CHAMBERS	03-B48-23
F	NICHOLAS J. & JENNIFER C. CAMMARATA (SURV)	03-B48-25
G	WILLIAM K. & FLORENCE ANDREA WALDEN	03-B48-27
H	WILLIAM K. & ANDREA WALDEN	03-B48-38
I	MICHAEL J. GRIMES	03-L2-10.1
J	HARRY ALAN FISH	03-L2-13.1
K	MICHAEL BREITINGER	03-L2-11
L	SCOTT SONDA & MARK SONDA	03-L2-02
M	WINDSOR COAL COMPANY	03-L2-09
N	SCOTT SONDA & MARK SONDA	03-L2-01
O	MARION P. STONE	03-B48-19
P	MARC P. STONE	03-B48-17
Q	JUDITH ANN PYLE	03-B48-18
R	ROBERT PAUL & WENDY KAY SEIDEWITZ	03-B48-18.1
S	BRIAN DAVID CORWIN	03-B43-22
T	BETHANY COLLEGE	03-B38-31
U	DEIRDRA O'HARA	03-L2-10

REVISIONS:

COMPANY:

**SWN**  
Production Company, LLC

**SWN** <sup>R+V+0</sup>  
Production Company™

OPERATOR'S SAMUEL JONES BRK  
WELL #: 6H

DATE: 12-13-2019  
API NO: 47-009-00280  
DRAWN BY: D. REED  
SCALE: N/A  
DRAWING NO: 2019-0265  
WELL LOCATION PLAT

DISTRICT: BUFFALO COUNTY: BROOKE STATE: WV