

Latitude: 40°15'00" SURFACE HOLE 3779'

Latitude: 40°15'00" BOTTOM HOLE 5030'

# ELK LAKE SERVICES, LLC

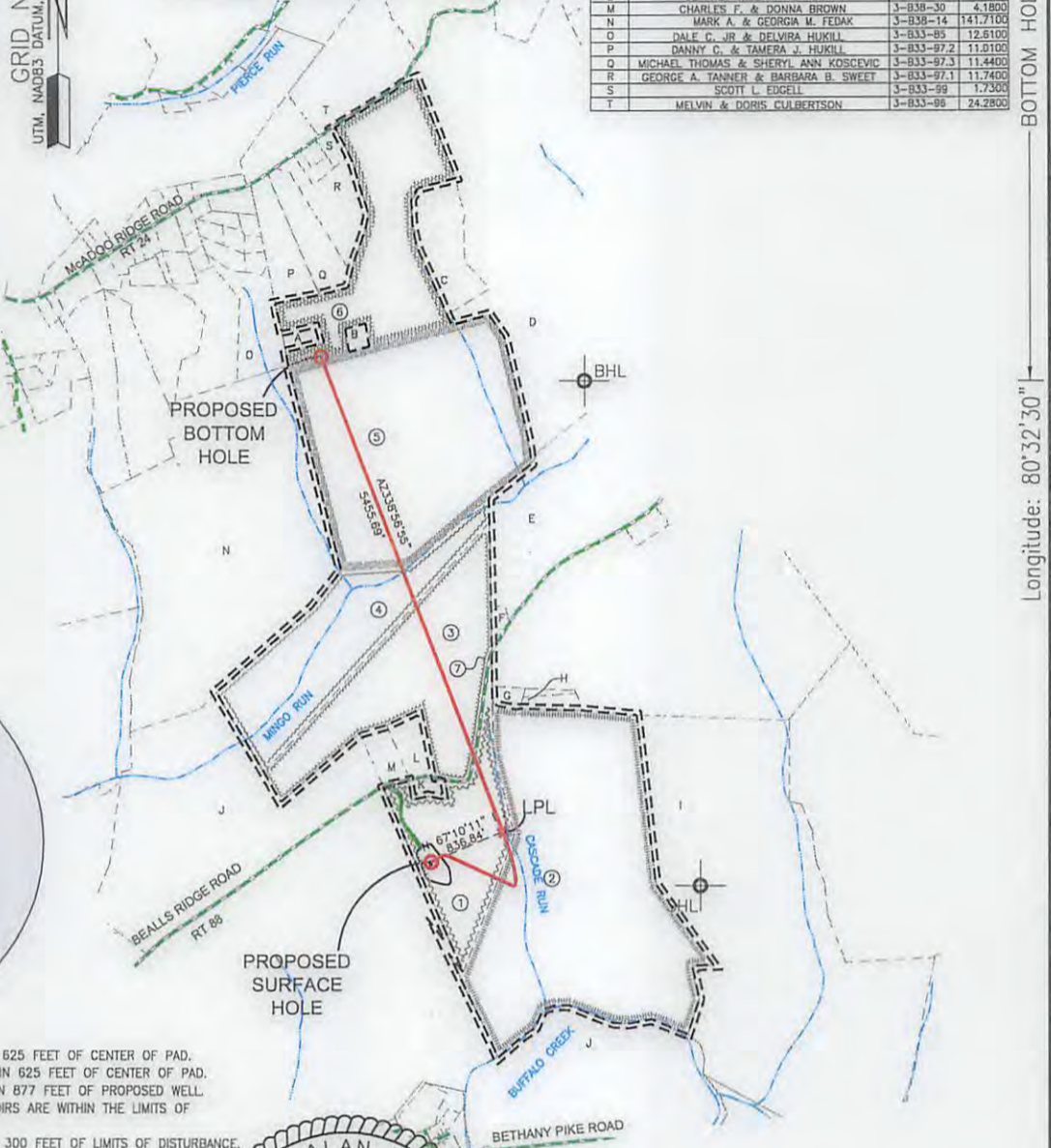
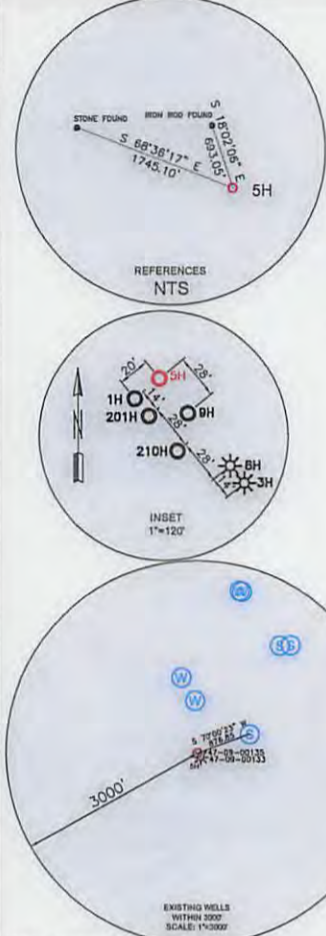
280 Indian Springs Road,  
Suite 123 Indiana, PA 15701  
Phone: (724) 463-7303

<b>SURFACE HOLE LOCATION (SHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,451,766.33 EASTING: 537,848.77
<b>LANDING POINT (LPL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,451,869.19 EASTING: 538,082.08
<b>BOTTOM HOLE LOCATION (BHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,453,410.29 EASTING: 537,459.06

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

WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS			
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL	ACRES
1	KIMBERLY CARMAN WORTHLEY (S) COLONIAL CORP, A NEVADA CORP, & KIMBERLY J. CARMAN AKA KIMBERLY J. WORTHLEY, A MARRIED WOMAN DEALING IN HER SASP (R)	3-838-27	40.00
TRACT	SURFACE OWNER	TAX PARCEL	ACRES
2	KIMBERLY CARMEN WORTHLEY	3-838-25	136.00
3	JEFFREY W. HENSLE	3-838-27.1	60.44
4	JEFFREY W. HENSLE	3-838-28	63.10
5	SPORTSMAN & FARMERS ASSN	3-838-17	101.00
6	SPORTSMAN & FARMERS ASSN	3-833-100	55.31
7	WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS	BEALLS RIDGE ROAD	3.39

ADJOINING OWNERS TABLE			
TRACT	SURFACE OWNER	TAX PARCEL	ACRES
A	SPORTSMAN & FARMERS ASSN	3-838-15	2.2100
B	MONDONGAHELA POWER COMPANY	3-838-16	1.3100
C	SPORTSMAN & FARMERS ASSN	3-833-101	18.4500
D	CHARLES R. JR & MARGARET L. CORBIN	3-833-102	201.7800
E	MARK WEAVER OWEN & VIRGINIA BEALL KREUTZ	3-838-18	249.0000
F	KEVIN SCOTT & LISA KAY STEWART	3-838-20	1.0600
G	LANCE M. ELSON	3-838-21	1.6180
H	NOLTE & GLADYS VANCAMP AS TRUST	3-838-23	2.2700
I	MARK W OWEN (1/2) & VIRGINIA BEALL KREUTZ (1/2)	3-838-24	188.0000
J	BETHANY COLLEGE	3-838-31	822.2600
K	CARRINGTON MORTGAGE SERVICES, LLC	3-838-26	1.9500
L	JEFFREY WILLIAM HENSLE	3-838-29	5.3300
M	CHARLES F. & DONNA BROWN	3-838-30	4.1800
N	MARK A. & GEORGINA M. FEDAK	3-838-14	141.7100
O	DALE C. JR & DELVIRA HUKILL	3-833-85	12.6100
P	DANNY C. & TAMARA J. HUKILL	3-833-87.2	11.0100
Q	MICHAEL THOMAS & SHERYL ANN KOSCEVIC	3-833-87.3	11.4400
R	GEORGE A. TANNER & BARBARA B. SWEET	3-833-87.1	11.7400
S	SCOTT L. EDGELL	3-833-89	1.7300
T	MELVIN & DORIS CULBERTSON	3-833-86	24.2800



### WELL RESTRICTIONS

- NO OCCUPIED DWELLINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
- NO AGRICULTURE BUILDINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
- WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 877 FEET OF PROPOSED WELL.
- PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS ARE WITHIN THE LIMITS OF DISTURBANCE.
- NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.
- 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

- 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.
  - ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.
  - 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.



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 SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)</p>	<p>COMPANY: <b>SWN</b> Production Company, LLC</p> <p>OPERATOR'S WELL #: WORTHLEY BRK 5H</p> <p>API WELL #: 47 STATE 9 COUNTY 00225 PERMIT</p>
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WELL TYPE: OIL  WASTE DISPOSAL  PRODUCTION  DEEP  GAS  LIQUID INJECTION  STORAGE  SHALLOW

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1156.3'

DISTRICT: BUFFALO COUNTY: BROOKE COUNTY QUADRANGLE: BETHANY

SURFACE OWNER: KIMBERLY CARMAN WORTHLEY ACREAGE: ±40.00

OIL & GAS ROYALTY OWNER: COLONIAL CORP, A NEVADA CORP, & KIMBERLY J. CARMAN AKA KIMBERLY J. WORTHLEY, A MARRIED WOMAN DEALING IN HER SASP ACREAGE: ±40.00

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

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

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,037' TVD 11,959' TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC DESIGNATED AGENT: DEE SOUTHALL

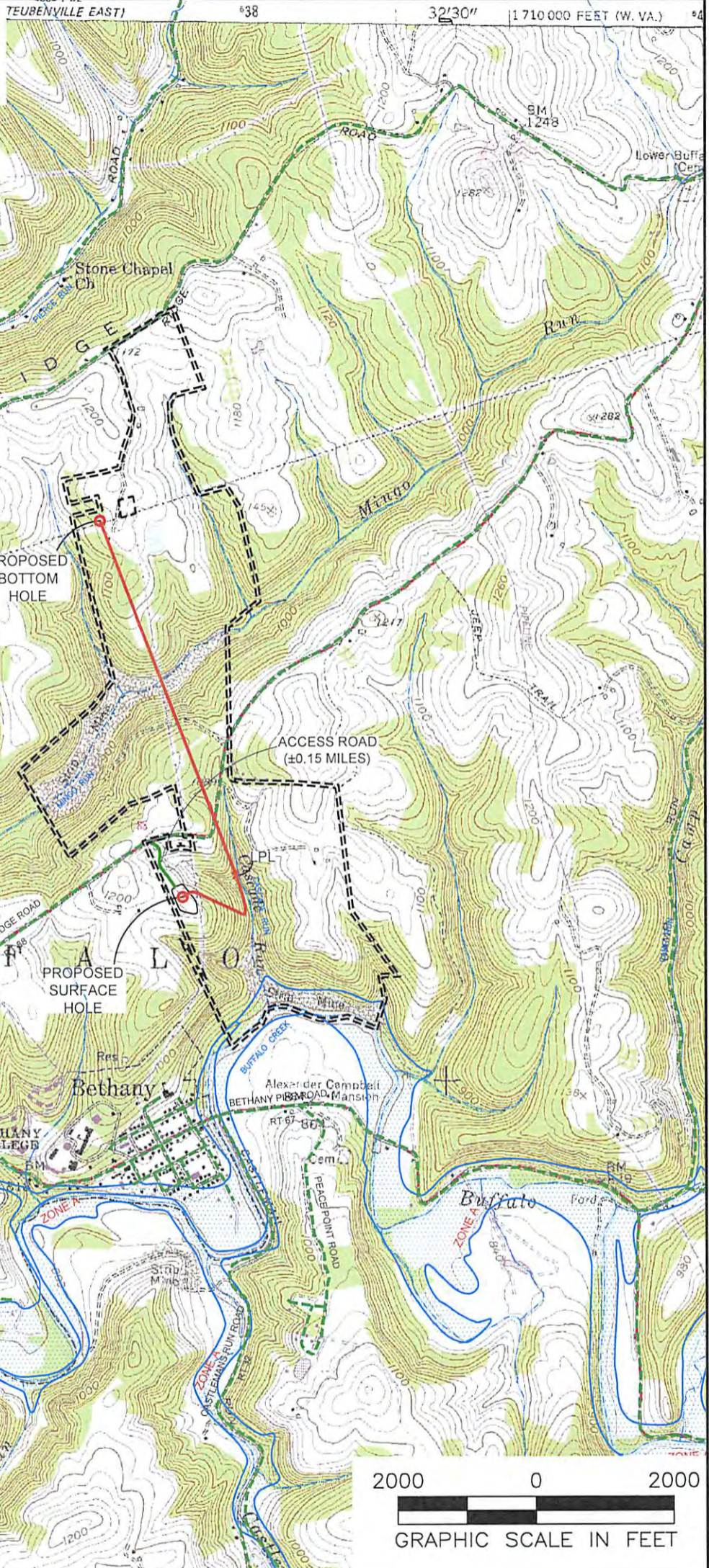
ADDRESS: P.O. BOX 1300 ADDRESS: P.O. BOX 1300

CITY: JANE LEW STATE: WV ZIP CODE: 26378 CITY: JANE LEW STATE: WV ZIP CODE: 26378

<b>LEGEND:</b>	<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> </ul>	<ul style="list-style-type: none"> <li>SURVEYED BOUNDARY</li> <li>DRILLING UNIT</li> <li>LEASE BOUNDARY</li> <li>PROPOSED PATH</li> </ul>	<p>REVISIONS:</p> <p>DATE: 08-01-2017</p> <p>FILE NO: 17-02</p> <p>DRAWN BY: A. BLACK</p> <p>SCALE: 1" = 2000'</p> <p>DRAWING NO: 1</p> <p>WELL LOCATION PLAT 1</p>
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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
- FLOOD PLAIN
- ACCESS ROAD
- - - - PUBLIC ROAD
- - - - ACCESS ROAD TO PREV. SITE
- - - - LEASE BOUNDARY
- PROPOSED PATH

WELL OPERATOR:  
SWN PRODUCTION COMPANY, LLC

ADDRESS:  
P.O. BOX 1300 JANE LEW, WV 26378

SURFACE OWNER:  
KIMBERLY CARMAN WORTHLEY

WELL (FARM) NAME:  
WORTHLEY BRK

WELL # SERIAL #  
5H XXXX

COUNTY DISTRICT:  
BROOKE COUNTY - 9 BUFFALO

USGS 7 1/2 QUADRANGLE MAP NAME  
BETHANY, WV

RECEIVED  
Office of Oil and Gas

WV Department of Environmental Protection

10/13/2017