

Latitude: 40°12'30" | BOTTOM HOLE 6762'

Latitude: 40°12'30" SURFACE HOLE | 4677'

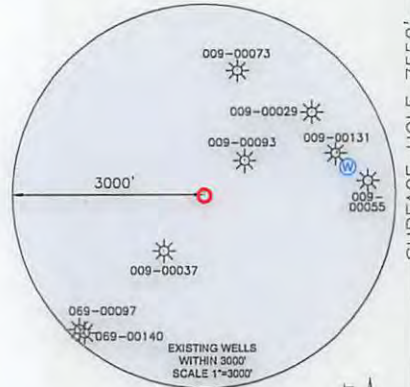
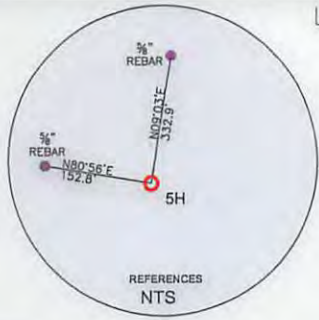
BOTTOM HOLE 2128'

Longitude: 80°37'30" | SURFACE HOLE 7552'

Longitude: 80°37'30" | UTM, NAD83 DATUM, ZONE 17, US FT



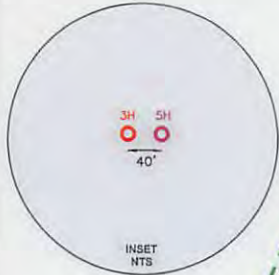
Larson Design Group•  
2591 Wexford Bayne Road  
Suite 305  
Sewickley, PA 15143  
PHONE: 724.591.8562



<b>SURFACE HOLE LOCATION (SHL):</b>
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,448,656.468
EASTING: 530,544.677
<b>LANDING POINT (LPL):</b>
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,448,682.599
EASTING: 530,662.723
<b>BOTTOM HOLE LOCATION (BHL):</b>
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,450,318.293
EASTING: 529,931.747

WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS			
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL	ACRES
1	BARRY L & PATRICIA A GREATHOUSE	3-B41-82	229.0
2	ROBT J JR & LINDA MILLER	3-B41-47	209

ADJOINING OWNERS TABLE			
TRACT	SURFACE OWNER	TAX PARCEL	ACRES
A	JOY ANN & EBBIE J SCHUETZ	3-B41-46	0.77
B	FRED W YOUNG JR	3-B41-54.1	2.577
C	DOROTHY S MOORE	3-B41-54	5.83
D	KARL DOUGLAS STEPHENS	3-B41-54.2	1.76
E	STACY ANN & PATRICIA ANN GREATHOUSE	3-B46-41	5.56



- NO OCCUPIED DWELLINGS > 2500 SQ FT. WITHIN 1,560 FEET OF CENTER OF PAD.
- NO AGRICULTURE BUILDINGS > 2500 SQ FT. WITHIN 4,120 FEET OF CENTER OF PAD.
- WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 2,625 FEET OF PROPOSED WELL.
- PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 1,380 FEET OF THE LIMITS OF DISTURBANCE.
- NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.
- NO GROUND INTAKE OR PUBLIC WATER SUPPLY WITHIN 1,000 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.

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. XXXX *David M. Shannon* #2034



2000 0 2000

GRAPHIC SCALE IN FEET

COMPANY: **SWN** **SWN** <sup>RT</sup>/<sub>A</sub> <sup>+</sup>/<sub>V</sub> <sup>+</sup>/<sub>+</sub>

Production Company, LLC Production Company™

	(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS	MINIMUM DEGREE OF ACCURACY: 1/200	BARRY GREATHOUSE B BRK
	WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034	PROVEN SURVEY SOURCE OF ELEVATION: GRADE GPS (NAVD 88, US FT)	OPERATOR'S WELL #: 5H
		API WELL #: 47 09 00233	STATE COUNTY PERMIT

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

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1142.8'

DISTRICT: BUFFALO COUNTY: BROOKE QUADRANGLE: TILTONSVILLE, WV

SURFACE OWNER: BARRY L & PATRICIA A GREATHOUSE ACREAGE: ±229.00

OIL & GAS ROYALTY OWNER: BARRY L & PATRICIA A GREATHOUSE ACREAGE: ±229.00

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: 5,819 TVD 12,142 TMD

11/03/2017

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> 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	<b>REVISIONS:</b> 1 LATITUDE UPDATED	DATE: 08-10-2017 FILE NO: DRAWN BY: N. SANCHEZ SCALE: 1" = 2000' DRAWING NO: XXXXX WELL LOCATION PLAT
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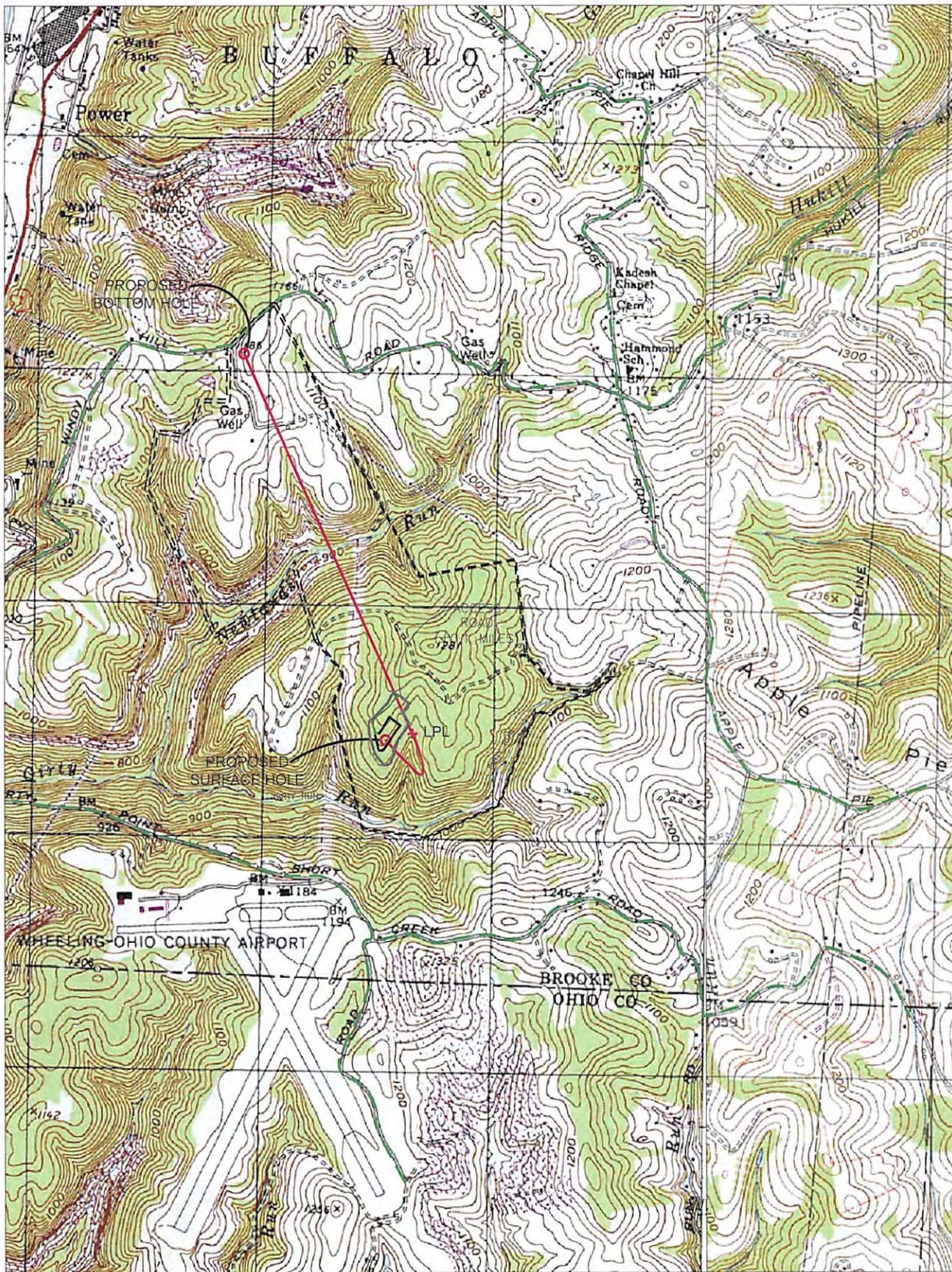
RECEIVED  
Office of Oil and Gas

OCT 16 2017

Department of Environmental Protection

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2591 Wexford Bayne Road  
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GRID NORTH  
UTM, NAD83 DATUM, ZONE 17, US FT



- 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

11/03/2017

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	WELL (FARM) NAME: BARRY GREATHOUSE B BRK	WELL # 5H	SERIAL # XXXX
ADDRESS: P.O. BOX 1300 JANE LEW, WV 26378	COUNTY - CODE BROOKE - 09	DISTRICT; BUFFALO	
SURFACE OWNER: BARRY L & PATRICIA A GREATHOUSE	USGS 7 1/2 QUADRANGLE MAP NAME TILTONVILLE, WV		