

Latitude: 39°40'00" 3,542'

BHL Latitude: 39°42'30" 7,790'

Longitude: 80°40'00" 4,375'

BHL Longitude: 80°40'00" 14,878'

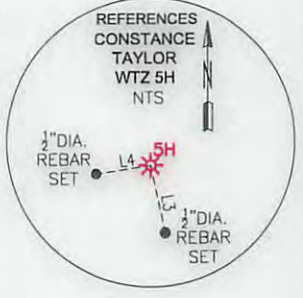


**RETTEW Associates, Inc.**  
 27 Travata Street, Suite 101  
 Bridgeport, WV 26330  
 Phone (800) 738-8395  
 Email: rettetw@rettetw.com  
 Website: www.rettetw.com

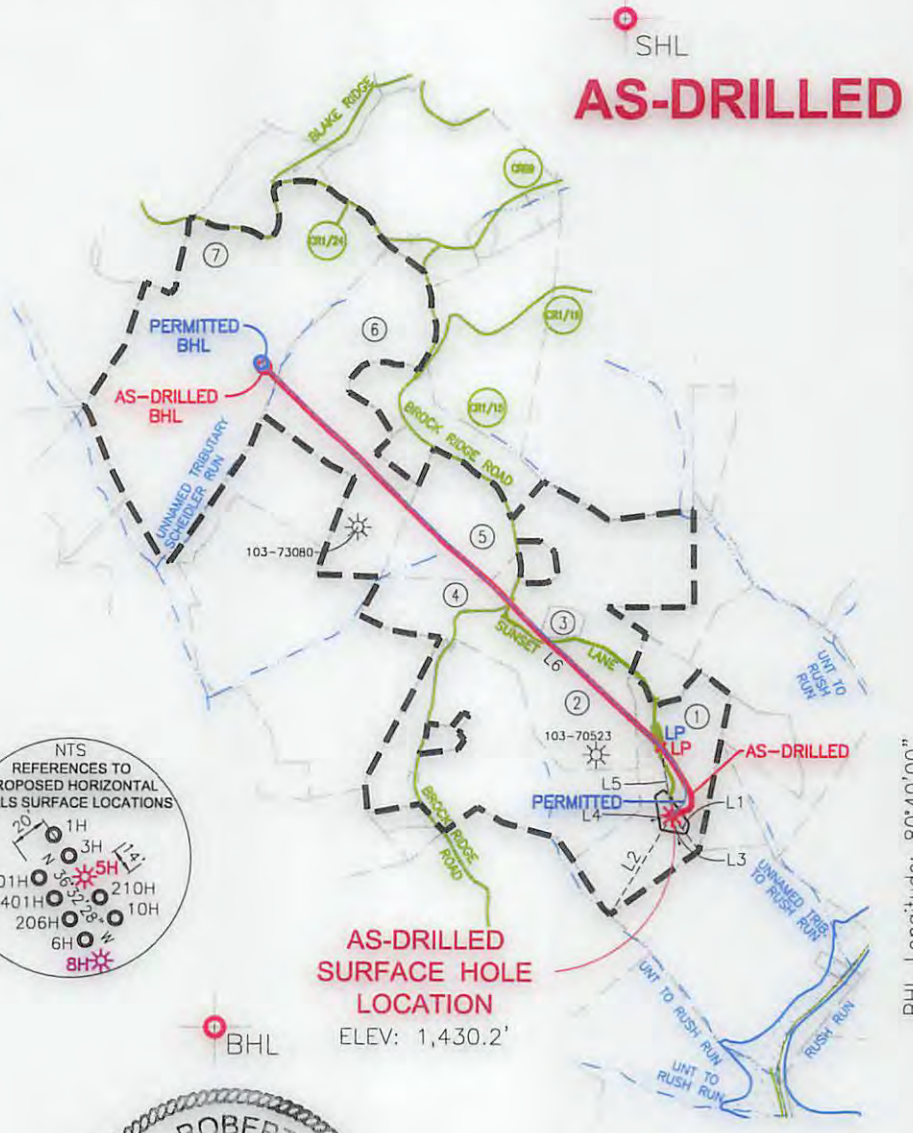
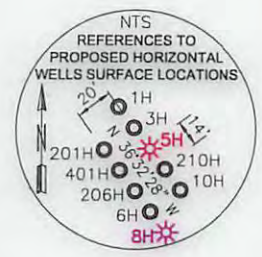
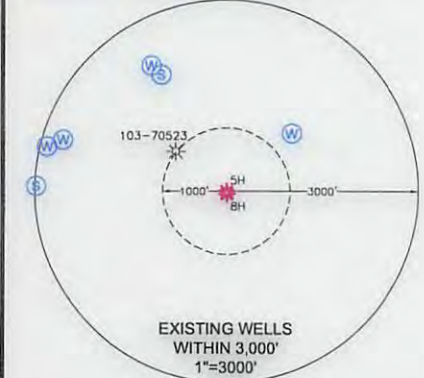
GRID NORTH  
 UTM, NAD83 DATUM, ZONE 17, US FT

| LINE | BEARING       | DISTANCE | DESCRIPTION      | MONUMENT        |
|------|---------------|----------|------------------|-----------------|
| L1   | S 37°27'04" E | 462.5'   | SHL TO LANDMARK  |                 |
| L2   | S 31°41'50" W | 1,219.0' | SHL TO LANDMARK  |                 |
| L3   | S 14°22'29" E | 309.13'  | SHL TO REF. PNT. | 1/2"Ø REBAR/CAP |
| L4   | S 75°04'07" W | 217.73'  | SHL TO REF. PNT. | 1/2"Ø REBAR/CAP |
| L5   | N 09°41'09" W | 714.8'   | SHL TO LP        |                 |
| L6   | N 46°22'31" W | 5,724.7' | LP TO BHL        |                 |

| TRACT | SURFACE OWNER                             | TAX PARCEL     | ACRES   |
|-------|---|----------------|---------|
| 1     | CONSTANCE A. TAYLOR                       | 12-18-00050000 | 43.50±  |
| 2     | BRENT PAUL BLAKE, ET AL                   | 12-14-00320003 | 85.96±  |
| 3     | WALTER R. DICKIE, JR                      | 12-14-00320001 | 2.75±   |
| 4     | LORRAINE M. CRISP                         | 12-18-00040001 | 90.07±  |
| 5     | DARLENE ELLEN WOOD & WALTER R. DICKIE, JR | 12-14-00210002 | 30.00±  |
| 6     | JAMES H. FOGG                             | 12-14-00210001 | 66.45±  |
| 7     | BUSTER & BARBARA A. BLAKE                 | 12-14-00120001 | 134.46± |

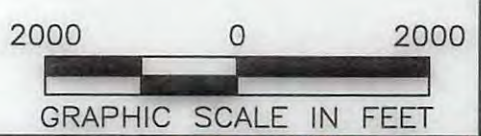


- SURFACE HOLE LOCATION (SHL):**  
 UTM (NAD83, ZONE 17, METERS):  
 NORTHING: 4,389,477.082  
 EASTING: 527,516.238
- LANDING POINT LOCATION (LP):**  
 UTM (NAD83, ZONE 17, METERS):  
 NORTHING: 4,389,691.857  
 EASTING: 527,479.581
- BOTTOM HOLE LOCATION (BHL):**  
 UTM (NAD83, ZONE 17, METERS):  
 NORTHING: 4,390,895.707  
 EASTING: 526,216.501
- SURFACE HOLE LOCATION (SHL):**  
 UTM (NAD83, ZONE 17, METERS):  
 NORTHING: 4,389,477.272  
 EASTING: 527,516.236
- LANDING POINT LOCATION (LP):**  
 UTM (NAD83, ZONE 17, METERS):  
 NORTHING: 4,389,691.852  
 EASTING: 527,479.574
- BOTTOM HOLE LOCATION (BHL):**  
 UTM (NAD83, ZONE 17, METERS):  
 NORTHING: 4,390,908.415  
 EASTING: 526,207.452



- NOTES ON SURVEY**
- COORDINATES 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 FIELD LOCATIONS.
  - THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
  - NO DWELLINGS AND BUILDINGS WITHIN 625 FEET OF PROPOSED CENTER OF PAD.
  - NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.
  - 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 LIMITS OF DISTURBANCE.

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. 2241



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 WVDEP  
 OFFICE OF OIL & GAS  
 601 57TH STREET  
 CHARLESTON, WV 25034

MINIMUM DEGREE OF ACCURACY: 1/200  
 PROVEN SURVEY SOURCE OF GRADE GPS ELEVATION: (NAVD 88, US FT)

COMPANY: **SWN** Production Company, LLC  
 OPERATOR'S WELL #: 5H  
 API WELL #: 47 103 03149  
 STATE COUNTY PERMIT

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

WATERSHED: LITTLE FISHING CREEK ELEVATION: ±1,430.2 (PAD AS-BUILT)

DISTRICT: PROCTOR COUNTY: WETZEL QUADRANGLE: WILEYVILLE, WV

SURFACE OWNER: CONSTANCE A. TAYLOR ACREAGE: ±43.50

OIL & GAS ROYALTY OWNER: CONSTANCE A. TAYLOR ACREAGE: ±43.50

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: 7,427' TVD 13,576' 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

| LEGEND:   | REVISIONS:   | DATE:  |
|---|--|--|
| <ul style="list-style-type: none"> <li>PROPOSED SURFACE HOLE / BOTTOM HOLE</li> <li>EXISTING / PRODUCING WELLHEAD</li> <li>ABANDONED WELL</li> <li>PLUGGED &amp; ABANDONED WELL</li> <li>CUT CONDUCTOR</li> </ul> | <ul style="list-style-type: none"> <li>EXISTING SPRING</li> <li>EXISTING WATER WELL</li> <li>TIE LINE</li> <li>LEASE BOUNDARY</li> <li>ASDRILLED WELLPATH</li> <li>PERMITTED WELLPATH</li> <li>STREAM</li> </ul> | 02-13-2017<br>DRAWN BY: W. MCCLEAF<br>SCALE: 1" = 2000'<br>DRAWING NO: 087569006<br>WELL LOCATION PLAT |