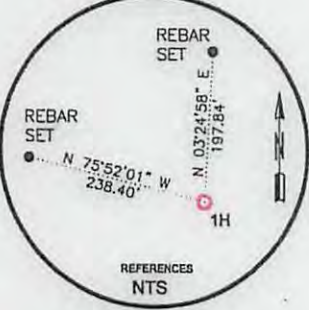


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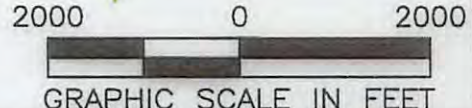
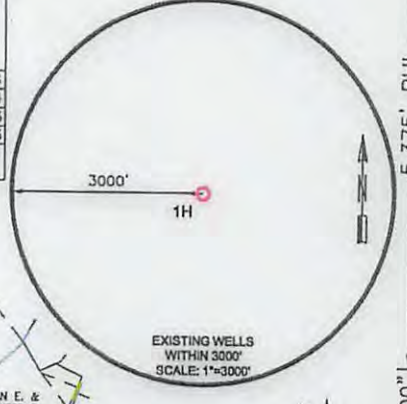
THE THRASHER GROUP, INC.  
600 WHITE OAKS BLVD.  
BRIDGEPORT, WV 26330  
PHONE 304-624-4108  
NOTES ON SURVEY

- 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 OF 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.

|                                     |
|-------------------------------------|
| <b>SURFACE HOLE LOCATION (SHL):</b> |
| UTM (NAD83, ZONE 17, METERS):       |
| NORTHING: 4,452,335.942             |
| EASTING: 539,859.971                |
| <b>LANDING POINT (LPL):</b>         |
| UTM (NAD83, ZONE 17, METERS):       |
| NORTHING: 4,452,281.794             |
| EASTING: 539,623.198                |
| <b>BOTTOM HOLE LOCATION (BHL):</b>  |
| UTM (NAD83, ZONE 17, METERS):       |
| NORTHING: 4,453,979.190             |
| EASTING: 538,984.956                |



| TRACT | SURFACE OWNER / ROYALTY OWNER   | TAX PARCEL        | ACRES  |
|-------|---|-------------------|--------|
| 1     | (S) MARTHA MAY SEABRIGHT, LIFE ESTATE INTEREST & JAMES H. SEABRIGHT, REMAINDER INTEREST (R) JAMES K. SEABRIGHT & MARTHA MAY SEABRIGHT, LIFE ESTATE INTEREST, & JAMES H. SEABRIGHT, REMAINDER INTEREST | 03-B39-8          | 173.00 |
| 2     | JAMES H. & CECILIA M. SEABRIGHT   | 03-B39-10         | 160.04 |
| 3     | BELVEDERE FARMS, LP   | 03-B34-49         | 243.93 |
| 4     | DENZIL H. L. & MARY LOU CONLEY  | 03-B33-10B        | 120.73 |
| 5     | WEST VIRGINIA DEPT OF TRANSPORTATION, DIVISION OF HIGHWAYS  | BEALLS RIDGE ROAD | 3.39   |



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. 2270

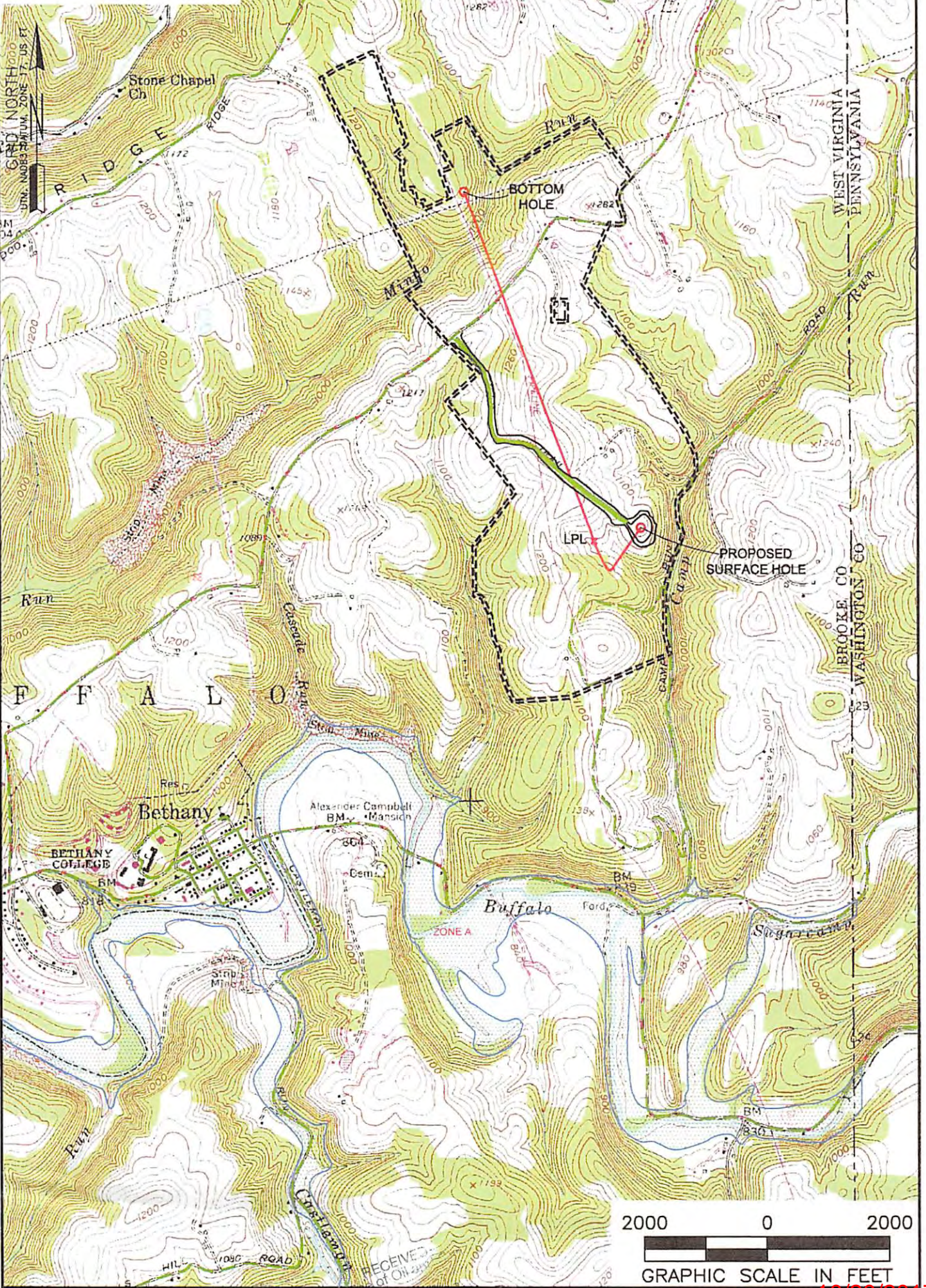


COMPANY: **SWN** Production Company, LLC

|   |  |   |
|---|--|---|
| <p>(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS</p> <p>WVDEP<br/>OFFICE OF OIL &amp; GAS<br/>601 57TH STREET<br/>CHARLESTON, WV 25034</p> | <p>MINIMUM DEGREE OF ACCURACY: 1/200</p> <p>PROVEN SURVEY SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)</p>   | <p>JAMES SEABRIGHT BRK</p> <p>OPERATOR'S WELL #: 1H</p> <p>API WELL #: 47 09 00220<br/>STATE COUNTY PERMIT</p>      |
|   | <p>WELL TYPE: OIL WASTE DISPOSAL PRODUCTION DEEP GAS LIQUID INJECTION STORAGE SHALLOW</p> <p>WATERSHED: SUGAR CAMP RUN, BUFFALO CREEK</p> <p>DISTRICT: BUFFALO COUNTY: BROOKE</p> <p>SURFACE OWNER: MARTHA MAY SEABRIGHT, LIFE ESTATE INTEREST, &amp; JAMES H. SEABRIGHT, REMAINDER INTEREST ACREAGE: ± 173.00</p> <p>OIL &amp; GAS ROYALTY OWNER: JAMES K. SEABRIGHT &amp; MARTHA MAY SEABRIGHT, LIFE EST. INT., &amp; JAMES H. SEABRIGHT, REMAINDER INT. ACREAGE: ± 173.00</p> <p>DRILL DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION</p> <p>CONVERT PLUG &amp; ABANDON CLEAN OUT &amp; REPLUG OTHER CHANGE (SPECIFY)</p> <p>TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,054' TVD 12,420' TMD</p> | <p>DESIGNATED AGENT: DEE SOUTHALL</p> <p>ADDRESS: P.O. BOX 1300</p> <p>CITY: JANE LEW STATE: WV ZIP CODE: 26378</p> |

# THRASHER

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PHONE 304-624-4108



**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.
4. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

**LEGEND:**

- PROPOSED SURFACE HOLE / BOTTOM HOLE
- x EXISTING / PRODUCING WELLHEAD
- x LPL\* LANDING POINT LOCATION
- FLOOD PLAIN
- ACCESS ROAD
- PUBLIC ROAD
- ACCESS ROAD TO PREV. SITE
- LEASE BOUNDARY
- PROPOSED PATH

10/20/2017

AUG 1 2017

WV Department of Environmental Protection

|  |   |                             |                                 |
|--|---|-----------------------------|---------------------------------|
| <p><b>WELL OPERATOR:</b><br/>SWN PRODUCTION COMPANY, LLC</p> <p><b>ADDRESS:</b><br/>P.O. BOX 1300 JANE LEW, WV 26378</p> <p><b>SURFACE OWNER:</b><br/>JAMES K. &amp; MARTHA MAY SEABRIGHT; LIFE INTREST &amp; JAMES H. SEABRIGHT</p> | <p><b>WELL (FARM) NAME:</b><br/>JAMES SEABRIGHT BRK</p> <p><b>COUNTY - CODE:</b><br/>BROOKE - 103</p> <p><b>USGS 7 1/2 QUADRANGLE MAP NAME:</b><br/>BETHANY, WV</p> | <p><b>WELL #</b><br/>1H</p> | <p><b>SERIAL #</b><br/>XXXX</p> |
|--|---|-----------------------------|---------------------------------|