

# THRASHER

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

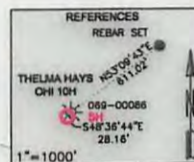
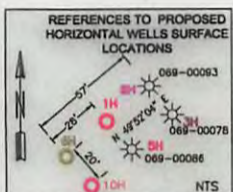
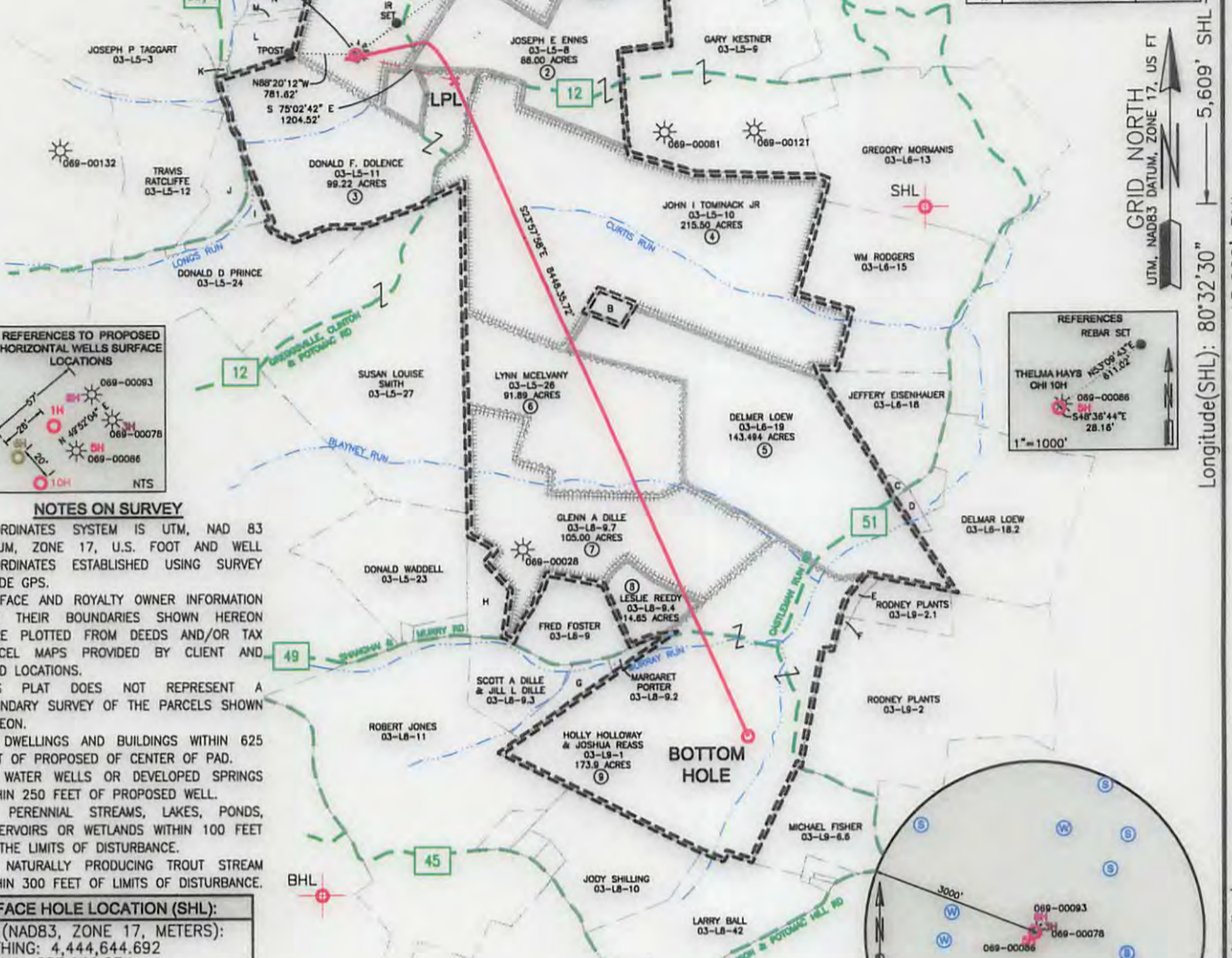
PROPOSED SURFACE HOLE

10,622' BHL

Latitude: 40°10'00"

3,513' SHL

TRACT	ADJOINER	TAX PARCEL
A	JASON T & SHEENA R HAYES	03-12-12.2
B	TUNNELL RIDGE LLC	03-16-22
C	DELMAR LOEW	03-16-18.1
D	DONNA MUSLUJ	03-16-18.3
E	RODNEY PLANTS	03-19-2.2
F	RODNEY PLANTS	03-19-2.3
G	GEORGE E PORTER III	03-18-9.5
H	NEAL P BROWN	03-18-9.8
I	JOSEPH D PRINCE	03-15-11.2
J	TRAVIS C RATCLIFFE	03-15-12.1
K	GENE MONROE	03-15-7.3
L	JOSH P & SHIRLEY J TAGGART	03-15-7.1
M	GEORGE W GROVE JR	03-15-7.4
N	CHARLES W GROUNDS	03-15-4



### 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.

### SURFACE HOLE LOCATION (SHL):

UTM (NAD83, ZONE 17, METERS):  
NORTHING: 4,444,644.692  
EASTING: 537,962.234

### LANDING POINT LOCATION (LPL):

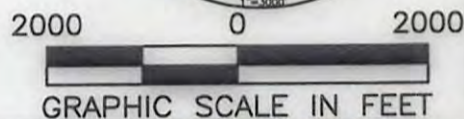
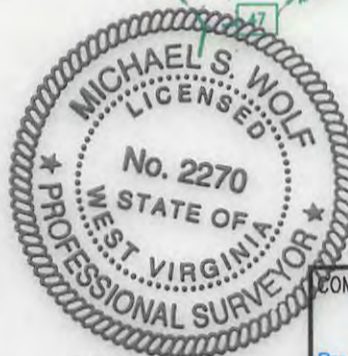
UTM (NAD83, ZONE 17, METERS):  
NORTHING: 4,444,549.948  
EASTING: 538,316.937

### BOTTOM HOLE LOCATION (BHL):

UTM (NAD83, ZONE 17, METERS):  
NORTHING: 4,442,196.890  
EASTING: 539,362.915

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

(+) 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)

OPERATOR'S WELL #: THELMA HAYS OHI 10H  
API WELL #: 47 069 60235-CLA  
STATE COUNTY PERMIT

WELL TYPE: OIL  WASTE DISPOSAL  PRODUCTION  DEEP  GAS  LIQUID INJECTION  STORAGE  SHALLOW   
WATERSHED: BUFFALO CREEK ELEVATION: 1244.1'  
DISTRICT: LIBERTY COUNTY: OHIO QUADRANGLE: BETHANY  
SURFACE OWNER: SHARON L GARRISON(LIFE ESTATE), TIMOTHY R HAYS, AND THELMA C HAYS(REMAINDER) ACREAGE: ± 102.00  
OIL & GAS ROYALTY OWNER: TIMOTHY R HAYS, THELMA C HAYS, AND SARON L GARRISON ACREAGE: ± 102.00  
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: 6,452' ND 15,329' TMD

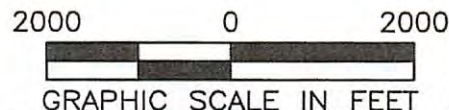
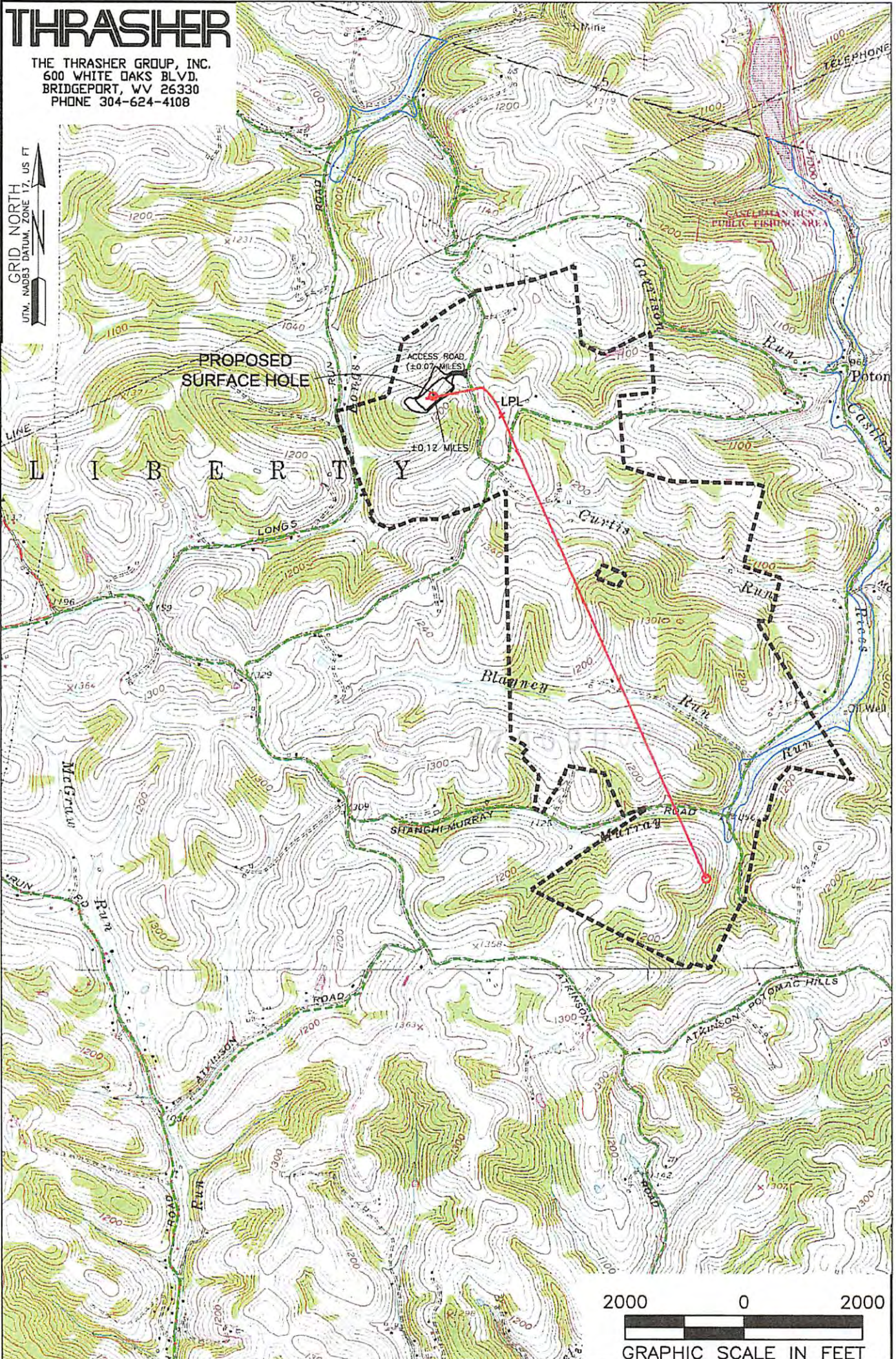
WELL OPERATOR: SWN PRODUCTION COMPANY, LLC DESIGNATED AGENT: DEE SOUTHALL  
ADDRESS: P.O. BOX 1300 ADDRESS: P.O. BOX 1300  
CITY: JANE LEW STATE: WV ZIP CODE: 26378 CITY: JANE LEW STATE: WV ZIP CODE: 26378

LEGEND:  
○ 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  
REVISIONS:  
DATE: 08-28-2017  
DRAWN BY: K. POTH  
SCALE: 1" = 2000'  
DRAWING NO: 050-5660  
WELL LOCATION PLAT

# THRASHER

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

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



**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
- EXISTING / PRODUCING WELLHEAD
- LPL
- FLOOD PLAN
- ACCESS ROAD
- PUBLIC ROAD
- ACCESS ROAD TO PREV. SITE
- LEASE BOUNDARY
- PROPOSED PATH

09/15/2017

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	WELL (FARM) NAME: THELMA HAYS OHI	WELL # 10H	SERIAL # XXXX
ADDRESS: P.O. BOX 1300 JANE LEW, WV 26378	COUNTY - CODE OHIO - 069	DISTRICT; LIBERTY	
SURFACE OWNER: SHARON L GARRISON	USGS 7 1/2 QUADRANGLE MAP NAME BETHANY, WV		