

# THRASHER

THE THRASHER GROUP, INC.  
600 WHITE OAKS BLVD.  
BRIDGEPORT, WV 26330  
PHONE 304-624-2108

### 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.

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

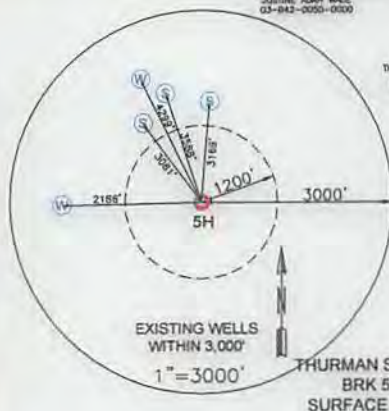
TRACT	SURFACE OWNER	TAX PARCEL	ACRES
1	THURMAN O. SPEECE JR. & GOLDIE M. STANLEY	03-0842-0042-0000	115.23
2	THURMAN O. SPEECE JR. & GOLDIE M. STANLEY	P/O 03-0842-0046-0000	73.26
3	THURMAN O. SPEECE JR. & JASON SPEECE	03-0842-0046-0001	2.00
4	LABELL FARMS INC.	03-0842-0066-0000	349.88
5	ELLEN B. SANFORD	03-0837-0076-0000	66.00
6	LPS INVESTMENT PARTNERSHIP	03-0837-0066-0000	65.00
7	BRIAN K. & GINA M. HARTY	03-0837-0077-0000	45.75
8	BRIAN K. & GINA M. HARTY	03-0837-0077-0001	5.00
9	TERRENCE & SUSAN BONE	03-0837-0080-0000	2.58
10	ROBERT O. BONE	03-0837-0081-0000	81.99

BHL 5,092'

Longitude: 80°35'00"



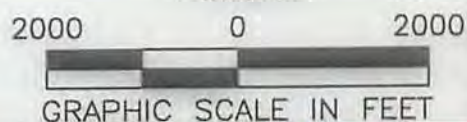
ID	ADJACER	TAX PARCEL
A	WILLIAM E. JOHNSTON & HAZEL E. JOHNSTON	03-837-0071-0000
B	BENJAMIN M. MOGA & CHRISTINE L. HEISE	03-837-0074-0000
C	BENJAMIN M. MOGA & CHRISTINE L. HEISE	03-837-0079-0000
D	WILLIAM A. SPERRINGER III & JONNA L. SPERRINGER	03-837-0078-0000
E	THEODORE W. BURNELL	03-837-0068-0000
F	LITHE KORN	03-837-0067-0000
G	WINDSOR POWER HOUSE COAL CO.	03-842-0048-0000
H	THURMAN O. SPEECE JR. & GOLDIE M. STANLEY	03-842-0047-0000
I	THURMAN O. SPEECE JR. & GOLDIE M. STANLEY	03-842-0045-0000
J	THURMAN O. SPEECE JR. & GOLDIE M. STANLEY	03-842-0044-0000
K	SANDRA & CARL CLARK	03-837-0085-0000
L	MICHAEL BRACKEL WOODKOR	03-837-0085-0000
M	KAREN TORREN WOOD	03-837-0084-0000
N	EDWARD EUGENE BRIDGER	03-837-0083-0000
O	VERNAIR HOME & GARDEN, LLC	03-837-0082-0000
P	RICHARD A. STANLEY JR.	03-842-0042-0001



<b>SURFACE HOLE LOCATION (SHL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4,448,887.111 EASTING: 534,889.359
<b>LANDING POINT LOCATION (LPL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4,449,242.445 EASTING: 535,075.843
<b>BOTTOM HOLE LOCATION (BHL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4,452,088.103 EASTING: 533,915.445
<b>SURFACE HOLE LOCATION (SHL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4,448,887.111 EASTING: 534,889.359
<b>LANDING POINT LOCATION (LPL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4,449,273.046 EASTING: 535,069.137
<b>BOTTOM HOLE LOCATION (BHL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4,452,088.862 EASTING: 533,917.878

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 *M.S.W.* 5/3/18



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)

THURMAN SPEECE  
OPERATOR'S WELL #: BRK 5H  
API WELL #: 47 009 00185  
STATE COUNTY PERMIT

WELL TYPE: OIL  WASTE DISPOSAL  PRODUCTION  DEEP  GAS  LIQUID INJECTION  STORAGE  SHALLOW   
WATERSHED: BUFFALO CREEK  
DISTRICT: BUFFALO COUNTY: BROOKE  
SURFACE OWNER: THURMAN O. SPEECE JR & GOLDIE M. STANLEY  
OIL & GAS ROYALTY OWNER: THURMAN O. SPEECE JR & GOLDIE M. STANLEY  
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  
ELEVATION: 1139.5'  
QUADRANGLE: BETHANY  
ACREAGE: 115.23  
ACREAGE: 115.23

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

<b>LEGEND:</b> ○ PROPOSED SURFACE HOLE / BOTTOM HOLE ★ EXISTING / PRODUCING WELLHEAD LPL LANDING POINT LOCATION W EXISTING WATER WELL S EXISTING SPRING	<b>REVISIONS:</b>	DATE: 05-03-2017
— SURVEYED BOUNDARY — DRILLING UNIT — LEASE BOUNDARY — PROPOSED PATH — AS-DRILLED PATH		DRAWN BY: K. POTH SCALE: 1" = 2000' DRAWING NO: 030-2888 WELL LOCATION PLAT

07/20/2018