

# THRASHER

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

### NOTES ON SURVEY

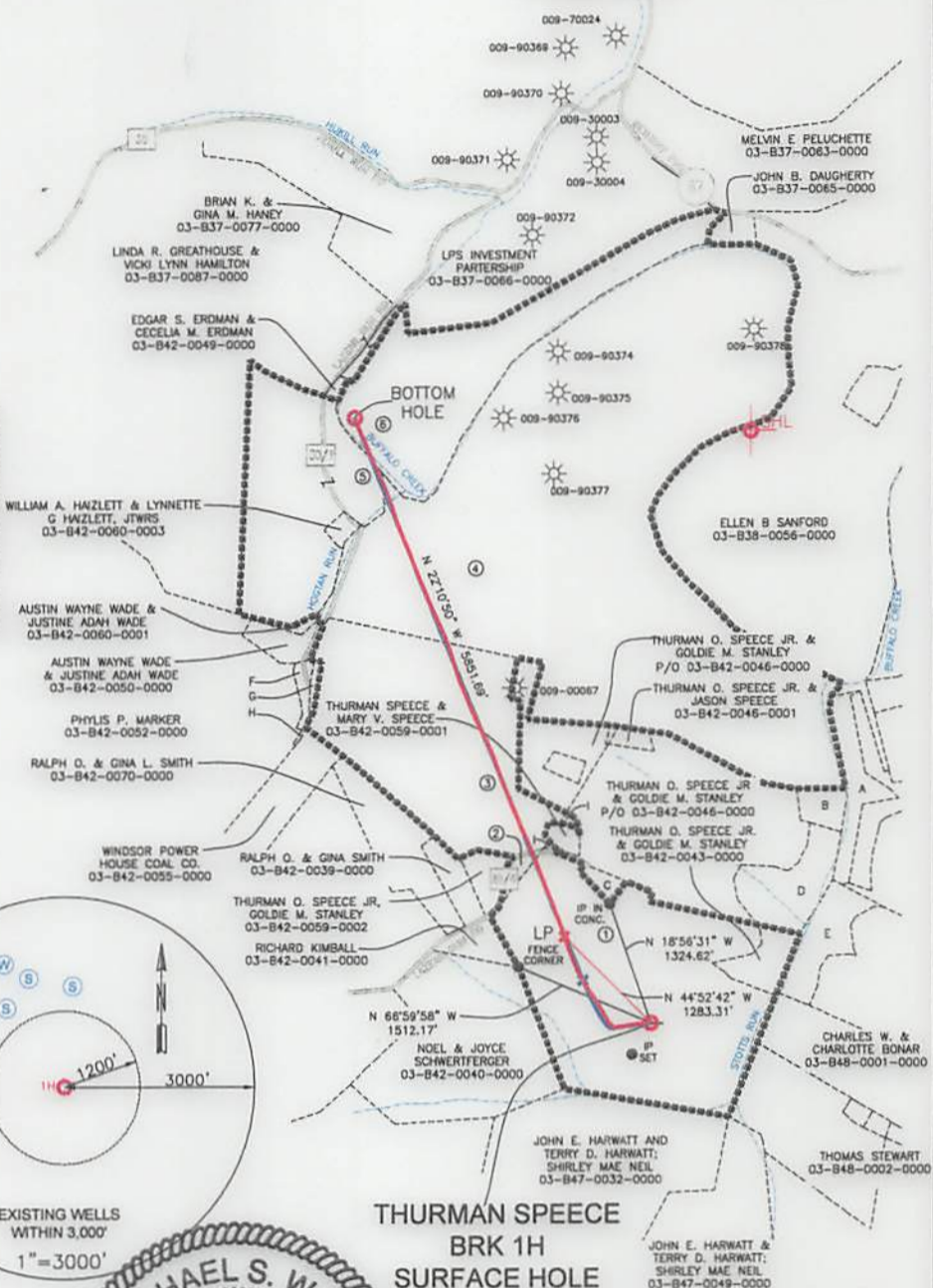
- COORDINATES SYSTEM IS UTM, NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
- SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND FIELD LOCATIONS.
- THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
- NO DWELLINGS AND BUILDINGS WITHIN 625 FEET OF PROPOSED 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

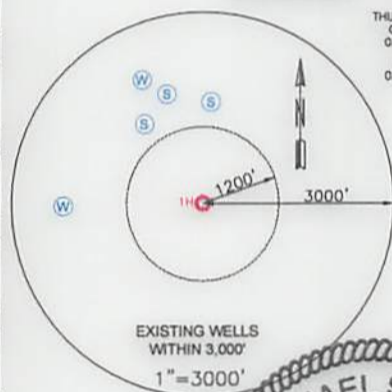
TRACT	SURFACE OWNER	TAX PARCEL	ACRES
1	THURMAN O. SPEECE JR. & GOLDIE M. STANLEY	03-0842-0042-0000	115.23
2	THURMAN O. SPEECE JR. & GOLDIE M. STANLEY	03-0842-0059-0003	2.722
3	JEFFREY S. WARD & DAWNNA J. WARD	03-0842-0059-0004	97.17
4	LABELLE FARMS INC.	03-0842-0080-0000	349.88
5	JAMES HAZLETT & JO ELLEN HAZLETT ELLEN B. SANFORD	03-0842-0080-0002	65.47
6		03-0837-0076-0000	66.00



ID	ADJOINER	TAX PARCEL
A	WINDSOR POWER HOUSE COAL CO.	03-042-0048-0000
B	THURMAN O. SPEECE JR. & GOLDIE M. STANLEY	03-042-0047-0000
C	RICHARD A. STANLEY JR.	03-042-0042-0001
D	THURMAN O. SPEECE JR. & GOLDIE M. STANLEY	03-042-0045-0000
E	THURMAN O. SPEECE JR. & GOLDIE M. STANLEY	03-042-0044-0000
F	WINDSOR POWER HOUSE COAL CO.	03-042-0051-0000
G	TRUMAN A. & MARY SPEECE, THURMAN SPEECE, DOROTHY SPEECE	03-042-0058-0000
H	WINDSOR POWER HOUSE COAL CO.	03-042-0056-0000
I	JEFFREY S. WARD & DAWNNA J. WARD	P/O 03-042-0059-0004



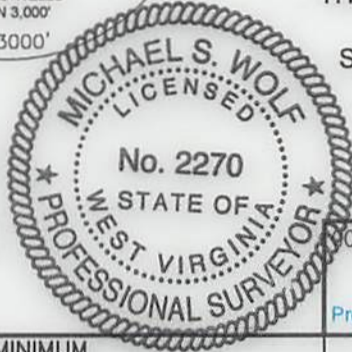
<b>SURFACE HOLE LOCATION (SHL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4,448,878.839 EASTING: 534,887.217
<b>LANDING POINT LOCATION (LPL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4,449,015.867 EASTING: 534,670.624
<b>BOTTOM HOLE LOCATION (BHL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4,450,809.543 EASTING: 533,935.349
<b>SURFACE HOLE LOCATION (SHL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4,448,878.839 EASTING: 534,887.217
<b>LANDING POINT LOCATION (LPL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4,449,156.012 EASTING: 534,611.217
<b>BOTTOM HOLE LOCATION (BHL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4,450,807.620 EASTING: 533,937.857



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 SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)	OPERATOR'S WELL #: THURMAN SPEECE BRK 1H API WELL #: 47 009 00194
	STATE: WV COUNTY: BROOKE PERMIT:	STATE: WV COUNTY: BROOKE PERMIT:

WELL TYPE: OIL <input type="checkbox"/> WASTE DISPOSAL <input type="checkbox"/> PRODUCTION <input checked="" type="checkbox"/> DEEP <input type="checkbox"/> GAS <input checked="" type="checkbox"/> LIQUID INJECTION <input type="checkbox"/> STORAGE <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/>	WATERSHED: BUFFALO CREEK	ELEVATION: 1139.5'
DISTRICT: BUFFALO	COUNTY: BROOKE	QUADRANGLE: BETHANY
SURFACE OWNER: THURMAN O. SPEECE JR. & GOLDIE M. STANLEY	ACREAGE: 115.23	ACREAGE: 115.23
OIL & GAS ROYALTY OWNER: THURMAN O. SPEECE JR. & GOLDIE M. STANLEY	ACREAGE: 115.23	
DRILL <input checked="" type="checkbox"/> DRILL DEEPER <input type="checkbox"/> REDRILL <input type="checkbox"/> FRACTURE OR STIMULATE <input checked="" type="checkbox"/> PLUG OFF OLD FORMATION <input type="checkbox"/> PERFORATE NEW FORMATION <input type="checkbox"/>	CONVERT <input type="checkbox"/> PLUG & ABANDON <input type="checkbox"/> CLEAN OUT & REPLUG <input type="checkbox"/> OTHER CHANGE <input checked="" type="checkbox"/> (SPECIFY) AS-DRILLED	ESTIMATED DEPTH: 5,874' TVD 12,584' 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: 05-03-2018
<ul style="list-style-type: none"> <li>PROPOSED SURFACE HOLE / BOTTOM HOLE</li> <li>EXISTING / PRODUCING WELLHEAD</li> <li>LPL: LANDING POINT LOCATION</li> <li>EXISTING WATER WELL</li> <li>EXISTING SPRING</li> </ul>	<ul style="list-style-type: none"> <li>SURVEYED BOUNDARY</li> <li>DRILLING UNIT</li> <li>LEASE BOUNDARY</li> <li>PROPOSED PATH</li> <li>AS-DRILLED PATH</li> </ul>	DRAWN BY: K. POTH SCALE: 1" = 2000' DRAWING NO: 030-2888 WELL LOCATION PLAT