

THRASHER

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

Latitude: 39°47'30" (CAMERON)

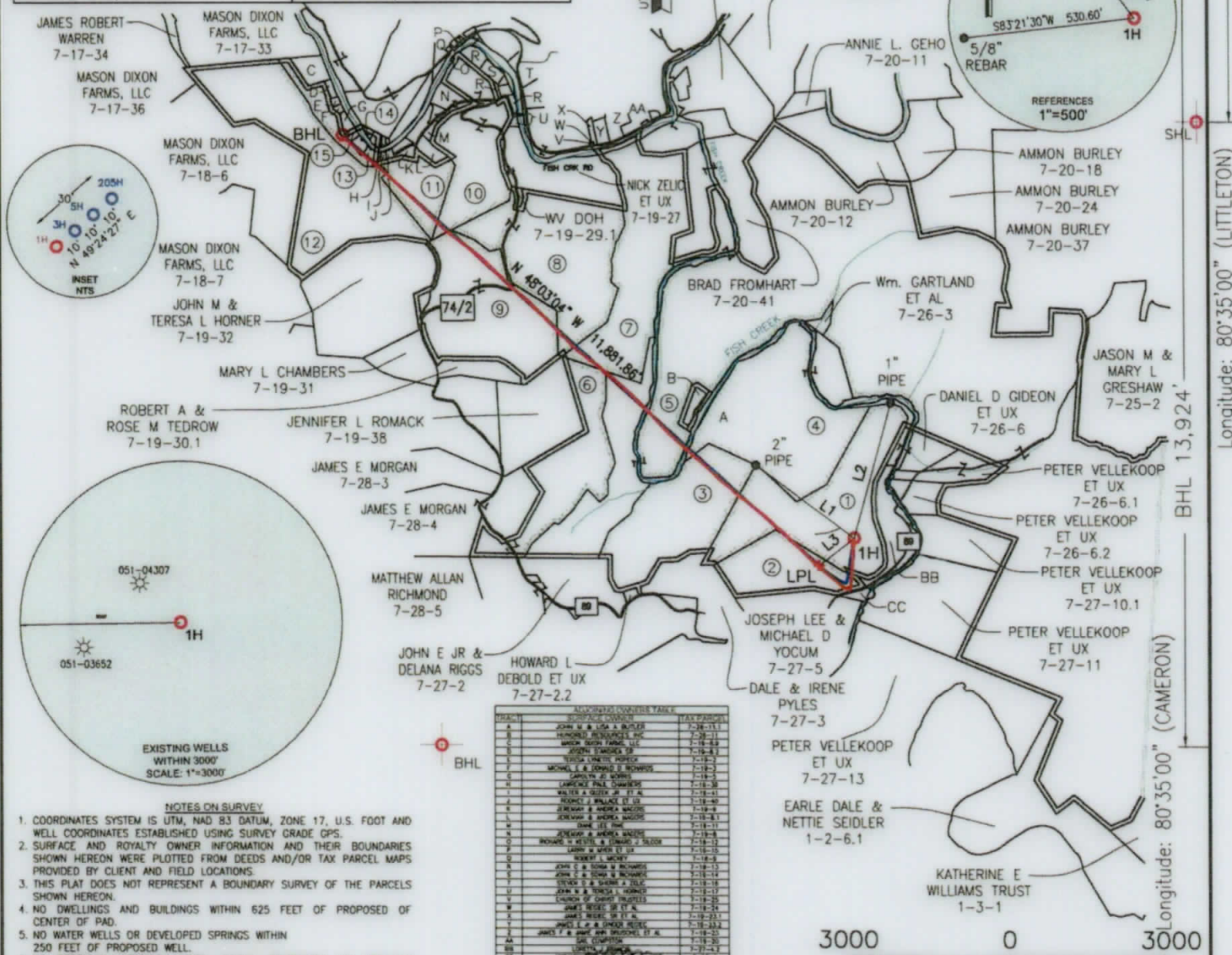
Latitude: 39°45'00" (LITTLETON) SHL 134'

BHL 9526'

LINE	BEARING	DISTANCE
L1	N 53°23'28" W	2278.91
L2	N 15°17'19" E	2590.04
L3	S 51°58'25" W	833.73

SURFACE HOLE LOCATION (SHL):		SURFACE HOLE LOCATION (SHL):	
UTM (NAD83, ZONE 17, METERS):		UTM (NAD83, ZONE 17, METERS):	
NORTHING: 4,398,196.511		NORTHING: 4,398,196.510	
EASTING: 535,684.289		EASTING: 535,684.290	
LANDING POINT LOCATION (LPL):		LANDING POINT LOCATION (LPL):	
UTM (NAD83, ZONE 17, METERS):		UTM (NAD83, ZONE 17, METERS):	
NORTHING: 4,398,039.965		NORTHING: 4,398,030.910	
EASTING: 535,484.110		EASTING: 535,484.350	
BOTTOM HOLE LOCATION (BHL):		BOTTOM HOLE LOCATION (BHL):	
UTM (NAD83, ZONE 17, METERS):		UTM (NAD83, ZONE 17, METERS):	
NORTHING: 4,400,460.887		NORTHING: 4,400,455.880	
EASTING: 532,790.579		EASTING: 532,788.640	

TRACT	SURFACE OWNER	TAX PARCEL
1	JOSEPH LEE & MICHAEL D. YOCUM (S)(R)	7-26-9
SURFACE OWNER		
2	JOSEPH LEE & MICHAEL D. YOCUM	7-27-4
3	DELORSE A. HORNER	7-26-10
4	CONSOLIDATED GAS SUPPLY CORPORATION	7-26-B
5	W. VA. WILDLIFE RESOURCES SECTION	7-24-1
6	JAMES E. MORGAN	7-26-14
7	M. PEGGY GRIBBEN REVOC. LIVING TRUST	7-19-28
8	M. PEGGY GRIBBEN REVOC. LIVING TRUST	7-19-29
9	DELORSE A. HORNER	7-19-30
10	JOHN M. & TERESA L. HORNER	7-19-12
11	MASON DIXON FARMS LLC	7-19-B.8
12	MASON DIXON FARMS LLC	7-19-1
13	MICHAEL T. & CARLA M. WHITEMORE	7-19-8.7
14	CAROLYN RUTH FRANCIS	7-19-7
15	MASON DIXON FARMS, LLC	7-19-6



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- 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 PLAN 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.

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN 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. Wolf 8/6/19*



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

WVDEP
OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25034



COMPANY: **SWN** Production Company, LLC

OPERATOR'S WELL #: YOCUM MSH 1H

API WELL #: 47 051 02133
STATE COUNTY PERMIT

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

WATERSHED: FISH CREEK ELEVATION: 1079.4'

DISTRICT: LIBERTY COUNTY: MARSHALL QUADRANGLE: LITTLETON, WV

SURFACE OWNER: JOSEPH LEE AND MICHAEL D. YOCUM ACREAGE: ± 97.07

OIL & GAS ROYALTY OWNER: JOSEPH LEE AND MICHAEL D. YOCUM ACREAGE: ± 97.07

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: 6,810' TVD 19,465' TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC DESIGNATED AGENT: BRITTANY WOODY

ADDRESS: 1300 FORT PIERPONT DRIVE SUITE 201 ADDRESS: 1300 FORT PIERPONT DRIVE SUITE 201

CITY: MORGANTOWN STATE: WV ZIP CODE: 26508 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

LEGEND:	REVISIONS:	DATE:
○ PROPOSED SURFACE HOLE / BOTTOM HOLE	— SURVEYED BOUNDARY	8-16-2019
⊙ EXISTING / PRODUCING WELLHEAD	— DRILLING UNIT	
LPL ⊙ LANDING POINT LOCATION	— LEASE BOUNDARY	
⊙ EXISTING WATER WELL	— PROPOSED PATH	
⊙ EXISTING SPRING	— AS-DRILLED PATH	