

THRASHER

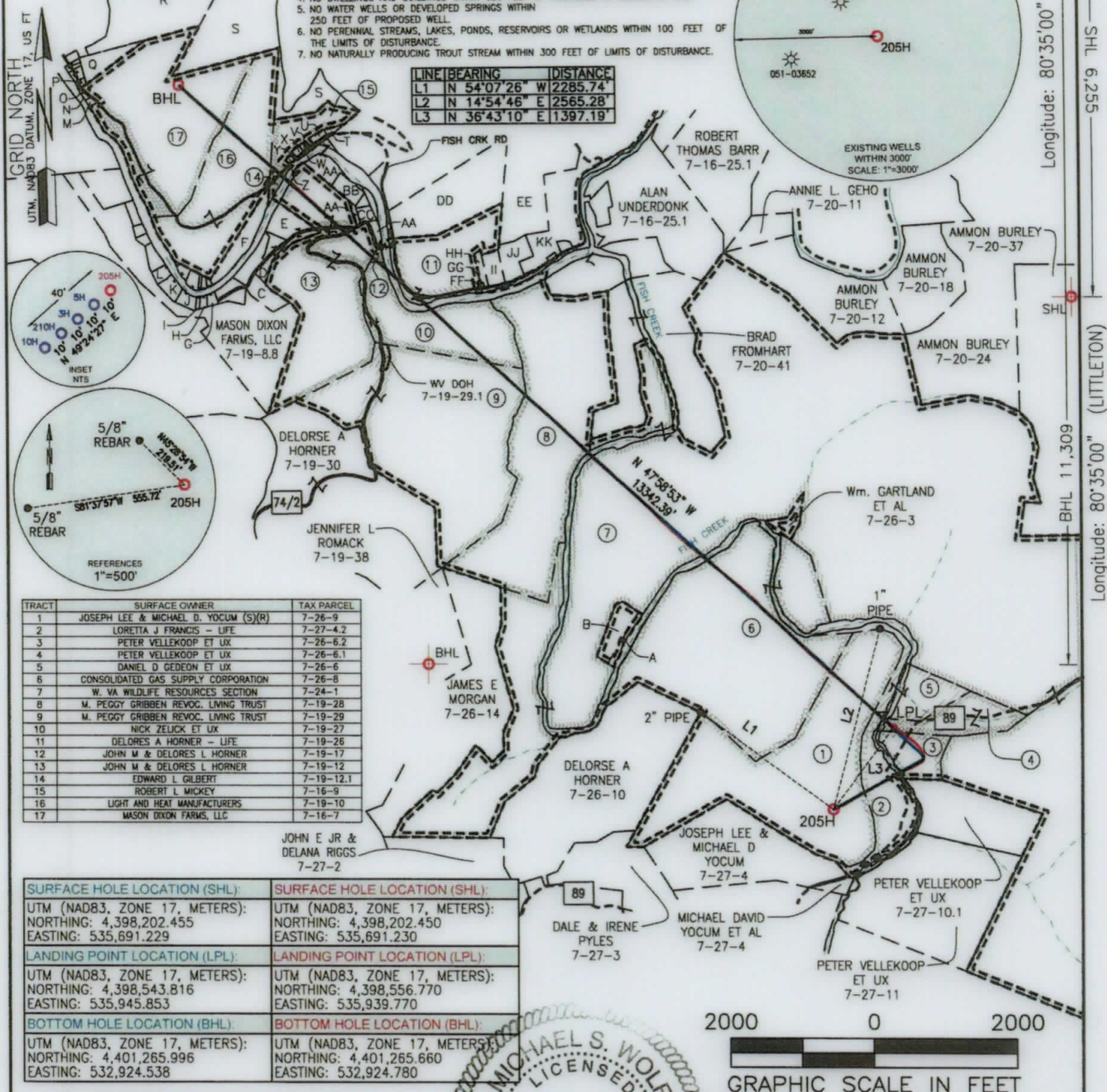
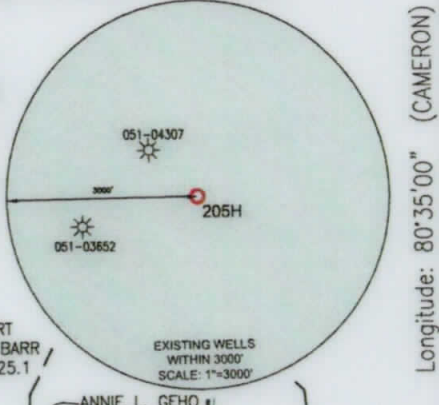
THE THRASHER GROUP, INC.
600 WHITE OAKS BLVD.
BRIDGEPORT, WV 26330
PHONE 304-624-4108

Latitude: 39°45'00" (LITTLETON) SHL 111'
BHL 9,141'
Latitude: 39°47'30" (CAMERON)

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 HEREIN 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 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.

LINE	BEARING	DISTANCE
L1	N 54°07'26" W	2285.74'
L2	N 14°54'46" E	2565.28'
L3	N 36°43'10" E	1397.19'



TRACT	SURFACE OWNER	TAX PARCEL
1	JOSEPH LEE & MICHAEL D. YOCUM (S/R)	7-26-9
2	LORETTA J FRANCIS - LIFE	7-27-4.2
3	PETER VELLEKOOP ET UX	7-26-6.2
4	PETER VELLEKOOP ET UX	7-26-6.1
5	DANIEL D GEDEON ET UX	7-26-6
6	CONSOLIDATED GAS SUPPLY CORPORATION	7-26-8
7	W. VA WILDLIFE RESOURCES SECTION	7-24-1
8	M. PEGGY GRIBBEN REVOC. LIVING TRUST	7-19-28
9	M. PEGGY GRIBBEN REVOC. LIVING TRUST	7-19-29
10	NICK ZELUCK ET UX	7-19-27
11	DELORES A HORNER - LIFE	7-19-26
12	JOHN W & DELORES L HORNER	7-19-17
13	JOHN W & DELORES L HORNER	7-19-12
14	EDWARD L GILBERT	7-19-12.1
15	ROBERT L MICKY	7-16-9
16	LIGHT AND HEAT MANUFACTURERS	7-19-10
17	MASON DIXON FARMS, LLC	7-16-7

SURFACE HOLE LOCATION (SHL):	SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,398,202.455 EASTING: 535,691.229	UTM (NAD83, ZONE 17, METERS): NORTHING: 4,398,202.450 EASTING: 535,691.230
LANDING POINT LOCATION (LPL):	LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,398,543.816 EASTING: 535,945.853	UTM (NAD83, ZONE 17, METERS): NORTHING: 4,398,556.770 EASTING: 535,939.770
BOTTOM HOLE LOCATION (BHL):	BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,401,265.996 EASTING: 532,924.538	UTM (NAD83, ZONE 17, METERS): NORTHING: 4,401,265.660 EASTING: 532,924.780

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 *[Signature]* 8/16/19



COMPANY: **SWN** Production Company, LLC
Production Company, LLC Production Company™

 (+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034	MINIMUM DEGREE OF ACCURACY: 1/4" = 100' PROVEN SURVEY SOURCE OF GRADE GPS ELEVATION: (NAVD 88, US FT)	COMPANY: YOCUM MSH OPERATOR'S WELL #: 205H API WELL #: 47 051 02125 STATE COUNTY PERMIT
	WELL TYPE: OIL <input type="checkbox"/> WASTE DISPOSAL <input type="checkbox"/> PRODUCTION <input 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: FISH CREEK DISTRICT: LIBERTY COUNTY: MARSHALL SURFACE OWNER: JOSEPH LEE AND MICHAEL D. YOCUM OIL & GAS ROYALTY OWNER: JOSEPH LEE AND MICHAEL D. YOCUM
DRILL <input type="checkbox"/> DRILL DEEPER <input type="checkbox"/> REDRILL <input type="checkbox"/> FRACTURE OR STIMULATE <input 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 type="checkbox"/> (SPECIFY) AS-DRILLED	TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,777.94 TVD 21,037 MD	WELL OPERATOR: SWN PRODUCTION COMPANY, LLC ADDRESS: 1300 FORT PIERPONT DRIVE SUITE 201 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508
DESIGNATED AGENT: BRITTANY WOODY ADDRESS: 1300 FORT PIERPONT DRIVE SUITE 201 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508	LEGEND: ○ PROPOSED SURFACE HOLE / BOTTOM HOLE ☼ EXISTING / PRODUCING WELLHEAD LPL* LANDING POINT LOCATION Ⓜ EXISTING WATER WELL Ⓢ EXISTING SPRING	REVISIONS: DATE: 8-16-2019 DRAWN BY: K. POTH SCALE: 1" = 2000' DRAWING NO: 030-3170 WELL LOCATION PLAN