



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 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.

Latitude: 40°02'30"

BHL 11,127'

SURFACE HOLE LOCATION (SHL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,432,274.175
EASTING: 538,607.926

LANDING POINT (LPL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,431,899.456
EASTING: 538,473.022

BOTTOM HOLE LOCATION (BHL):

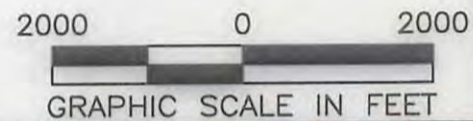
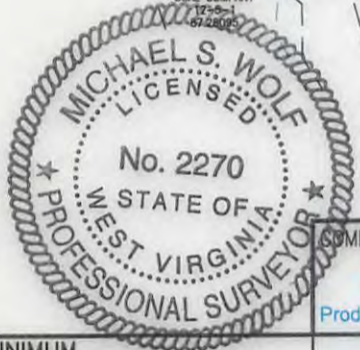
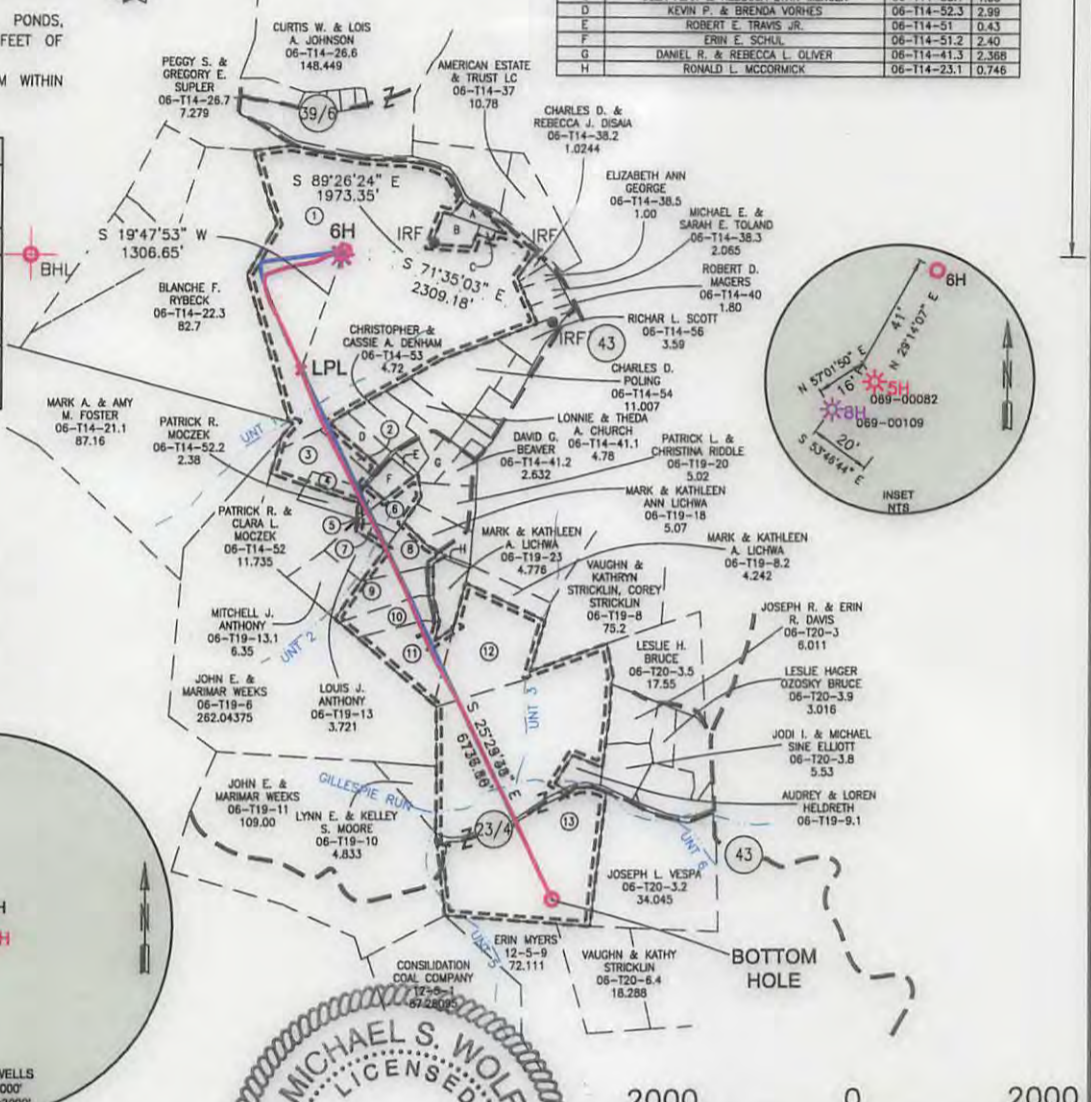
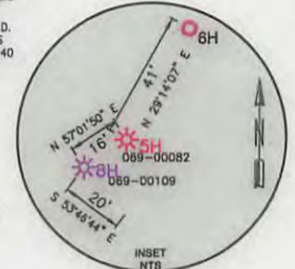
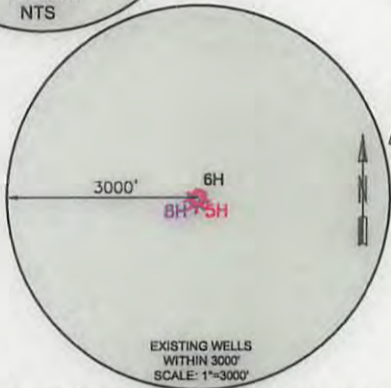
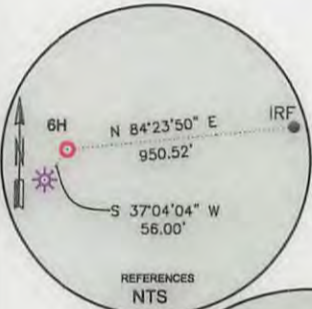
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,430,210.975
EASTING: 539,278.097

TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL	ACRES
1	CECIL L., LAWRENCE G., JOHN M. & CAROL S. HICKMAN	06-T14-38	143.53
2	KEVIN P. & BRENDA VORHES	06-T14-52.4	2.00
3	ERIN E. SCHUL	06-T14-52.5	7.256
4	PRESTON R. MOCZEK	06-T14-52.1	2.051
5	ERIN E. SCHUL	06-T14-51.1	1.03
6	CHRISTOPHER D. STRAIT	06-T19-13.3	4.176
7	JEREMY L. DVORCEK	06-T19-13.2	6.06
8	DAVID E. YAHN	06-T19-21	5.05
9	MARK F. & KATHLEEN A. LICHWA	06-T19-19	5.00
10	MARK F. LICHWA	06-T19-22	5.00
11	KATHLEEN A. LICHWA	06-T19-24	10.00
12	MARK & KATHY LICHWA	06-T19-8.1	19.65
13	HERBERT & ALICE SHARP	06-T19-9	101.555

TRACT	SURFACE OWNER	TAX PARCEL	ACRES
A	MARK JOHN HICKMAN	06-T14-38.6	1.597
B	MARK JOHN HICKMAN	06-T14-38.7	2.878
C	GLEN ALAN & REBECCA LYNN MENCER	06-T14-38.1	1.00
D	KEVIN P. & BRENDA VORHES	06-T14-52.3	2.99
E	ROBERT E. TRAVIS JR.	06-T14-51	0.43
F	ERIN E. SCHUL	06-T14-51.2	2.40
G	DANIEL R. & REBECCA L. OLIVER	06-T14-41.3	2.368
H	RONALD L. MCDORMICK	06-T14-23.1	0.746

SURFACE HOLE LOCATION (SHL):	
UTM (NAD83, ZONE 17, METERS):	NORTHING: 4,432,274.182 EASTING: 538,607.918
LANDING POINT (LPL):	
UTM (NAD83, ZONE 17, METERS):	NORTHING: 4,432,073.477 EASTING: 538,393.030
BOTTOM HOLE LOCATION (BHL):	
UTM (NAD83, ZONE 17, METERS):	NORTHING: 4,430,208.021 EASTING: 539,280.015

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



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. Wolf 7/27/18*

COMPANY: SWN Production Company, LLC

<p>(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS</p> <p>WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034</p>	<p>MINIMUM DEGREE OF ACCURACY: 1/200</p> <p>PROVEN SURVEY GRADE GPS SOURCE OF ELEVATION: (NAVD 88, US FT)</p>	<p>MARK HICKMAN OHI</p> <p>OPERATOR'S WELL #: 6H</p> <p>API WELL #: 47 69 00249</p> <p>STATE COUNTY PERMIT</p>
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WELL TYPE: OIL WASTE DISPOSAL PRODUCTION DEEP GAS LIQUID INJECTION STORAGE SHALLOW

WATERSHED: WHEELING CREEK ELEVATION: 1281.8'

DISTRICT: TRIADDELPHIA COUNTY: OHIO QUADRANGLE: VALLEY GROVE

SURFACE OWNER: LAWRENCE G., JOHN M. & CAROL S. HICKMAN ACREAGE: ± 143.53

OIL & GAS ROYALTY OWNER: CECIL LEE HICKMAN, JOHN MARK HICKMAN, LAWRENCE GRANT HICKMAN, CAROL SUE (CRISWELL) HICKMAN ACREAGE: ± 312.358

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: 6,770 TD 13,569 TD

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

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

<p>LEGEND:</p> <ul style="list-style-type: none"> ○ 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 — AS-DRILLED PATH 	<p>REVISIONS:</p>	<p>DATE: 07-25-2018</p> <p>DRAWN BY: K. POTH</p> <p>SCALE: 1" = 2000'</p> <p>DRAWING NO: 050-5494</p> <p>WELL LOCATION PLAT</p>
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