

(2,000' SCALE) LATITUDE: 39°45'00" BOTTOM HOLE

5060'

(2,000' SCALE) LATITUDE: 39°42'30" SURFACE HOLE

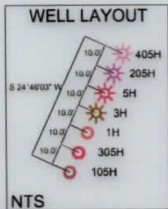
4097'



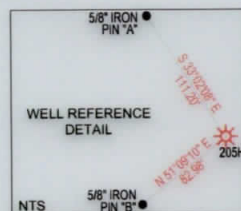
www.jhacompanies.com
68011 Vineyard Road
St. Clairsville, Ohio 43950
740-695-6100

NOTES ON SURVEY

1. COORDINATE SYSTEM IS UTM NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
2. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
3. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
4. NO DWELLINGS OR BUILDINGS WITHIN 625 FEET OF PROPOSED CENTER OF PAD
5. NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
6. NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF THE LIMITS OF DISTURBANCE.
7. NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.



LINE	BEARING	DISTANCE
L1	N 71°27'23" E	1343.86'
L2	N 48°12'40" E	672.31'



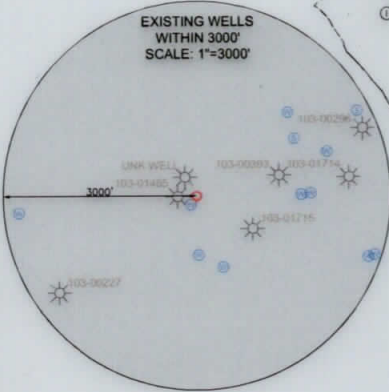
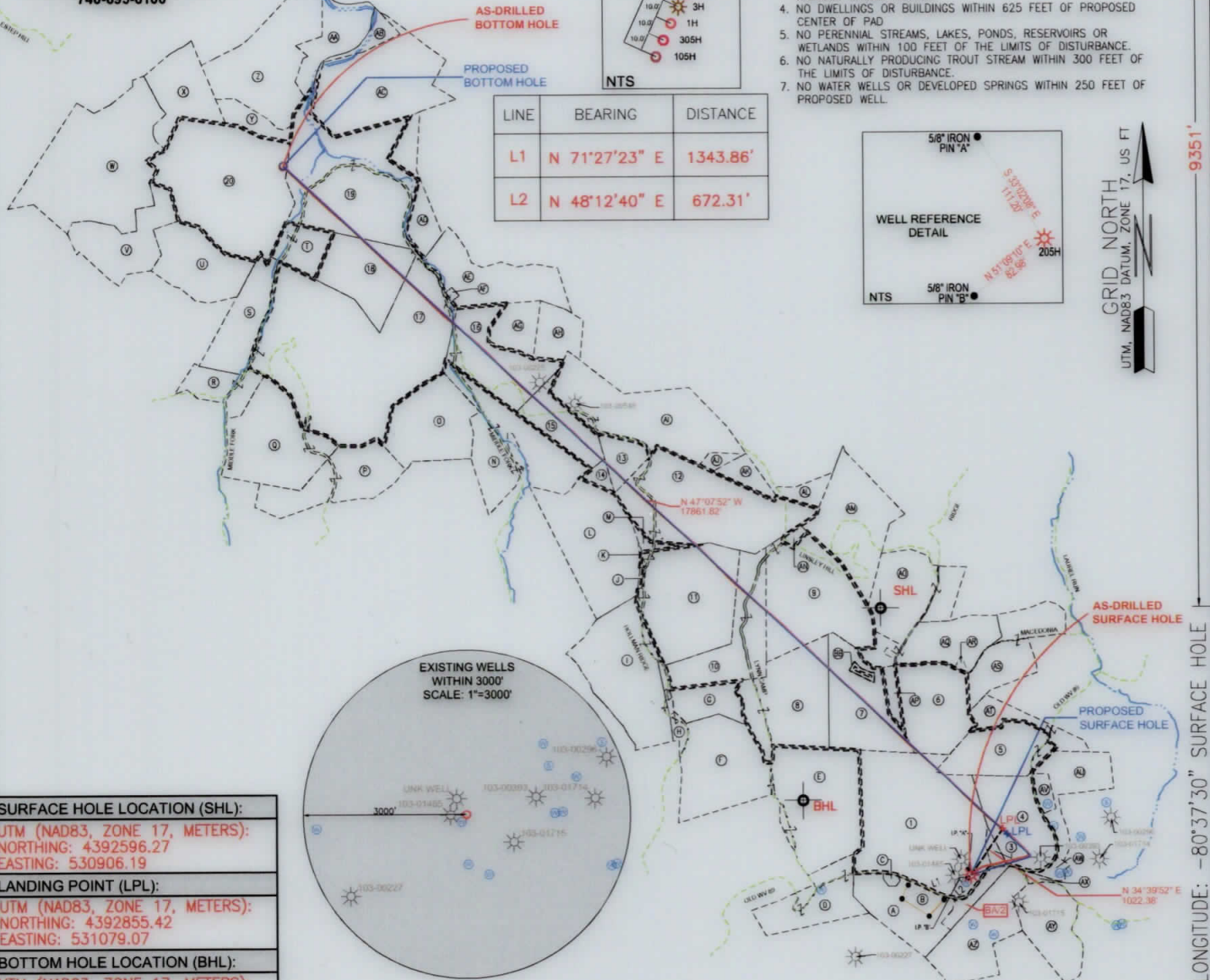
GRID NORTH
UTM, NAD83 DATUM, ZONE 17, US FT

9351'

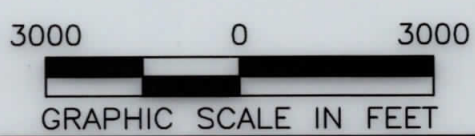
11686'

(2,000' SCALE) LONGITUDE: -80°37'30" SURFACE HOLE

(2,000' SCALE) LONGITUDE: -80°40'00" BOTTOM HOLE



SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4392596.27 EASTING: 530906.19
LANDING POINT (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4392855.42 EASTING: 531079.07
BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4396491.89 EASTING: 527029.78
SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4392596.27 EASTING: 530906.19
LANDING POINT (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4392826.91 EASTING: 531107.77
BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4396495.47 EASTING: 527033.26



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. 2041 *[Signature]* 5/14/20



(+) 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)

COMPANY: **SWN** Production Company, LLC

SWN A
OPERATOR'S WELL #: WTZ 205H

API WELL #:	47	103	03251
	STATE	COUNTY	PERMIT

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

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1,344.0'

DISTRICT: PROCTOR COUNTY: WETZEL QUADRANGLE: WILEYVILLE, WV

SURFACE OWNER: SWN PRODUCTION COMPANY, LLC ACREAGE: ±128.24

OIL & GAS ROYALTY OWNER: RODNEY CALVERT, ET AL ACREAGE: ±128.24

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: 7,370' TVD 25,772' 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: 05-04-2020
<ul style="list-style-type: none"> EXISTING BOTTOM HOLE EXISTING / PRODUCING WELLHEAD EXISTING LANDING POINT LOCATION PROPOSED SURFACE HOLE / BOTTOM HOLE PROPOSED LANDING POINT LOCATION ACCESS ROAD PUBLIC ROAD FLOOD PLAIN LEASE BOUNDARY ASDRILLED PATH PROPOSED PATH 		
		DRAWN BY: R. GRIMES
		SCALE: 1" = 3000'
		DRAWING NO: 2016-519
		WELL LOCATION PLAT

WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	SWN PRODUCTION COMPANY, LLC (S) RODNEY CALVERT, ET AL (R)	12-10-29
TRACT	SURFACE OWNER	TAX PARCEL
2	REMOVED	
3	JACOB BICKERSTAFF & ANNA BICKERSTAFF, HUSBAND AND WIFE	12-10-29.2
4	NORMA F. YOHO	01-07-40
5	CORY DURIG & DAVID DURIG	01-07-2
6	DARREN YOHO; KEVIN YOHO; BRADLEY YOHO; JEFFERY YOHO; DEBORAH YOHO	12-10-18
7	DARREN YOHO; KEVIN YOHO; BRADLEY YOHO; JEFFERY YOHO; DEBORAH YOHO	12-10-16
8	SWN PRODUCTION COMPANY, LLC	12-10-15
9	SWN PRODUCTION COMPANY, LLC	12-10-11
10	SWN PRODUCTION COMPANY, LLC	12-10-10
11	MILLTREE PROPERTIES, LLC	12-10-9
12	MILLTREE PROPERTIES, LLC	12-10-3
13	RICHARD W. MASTNEY & MARK MASSARI	12-5-20
14	RICHARD W. MASTNEY & MARK MASSARI	12-5-29
15	JAMES L. RITCHEA & HAZEL JORETTA RITCHEA	12-4-39
16	CLAUDIA MECKEL-JONAS ETAL	12-4-27
17	CHRISTOPHER P. BITHELL	12-4-26
18	CHRISTOPHER P. BITHELL	12-4-17
19	NANCY RABER, ETAL	12-4-6
20	TAMI M. BLATT; MICHAEL J. BLATT; KEVIN L. BLATT, TRUSTEE	12-4-5

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	RODNEY A. CALVERT	12-10-29.3
B	RODNEY A. CALVERT	12-10-29.4
C	RODNEY CALVERT ETAL	12-10-29.1
D	HAESSLY LAND & TIMBER, LLC, AN OHIO LIMITED LIABILITY COMPANY	12-10-33
E	SWN PRODUCTION COMPANY, LLC	12-10-28
F	ROBERT C. RITCHEA & JAMES L. RITCHEA	12-10-22
G	SWN PRODUCTION COMPANY, LLC	12-10-14
H	COURTNEY E. RICHMOND & RHEA K. RICHMOND, HIS WIFE	12-10-21
I	COURTNEY E. RICHMOND & RHEA K. RICHMOND, HIS WIFE	12-10-13
J	ANDREW D. & ANDREA M. SHULUGA, CO-TRUSTEES OF THE ANDREW D. SHULUGA AND ANDREA M. SHULUGA REVOCABLE TRUST UNDER DATE OF JANUARY 8/2103	12-10-9.1
K	MILLTREE PROPERTIES, LLC	12-10-1.1
L	ANDREW D. & ANDREA M. SHULUGA, CO-TRUSTEES OF THE ANDREW D. SHULUGA AND ANDREA M. SHULUGA REVOCABLE TRUST UNDER DATE OF JANUARY 8/2103	12-10-1
M	MILLTREE PROPERTIES, LLC	12-10-2
N	MARK MASSARI	12-4-38
O	CHRISTOPHER P. BITHELL	12-4-37
P	WILLIAM WAGNER AND BARBARA WAGNER, LIFE TENANTS AND TO THE SURVIVOR OF THEM, AND ROBERTA BROOKS AND HEATHER BRINK (REMAINDERMEN)	12-4-36
Q	CHRISTOPHER P. BITHELL	12-4-35
R	JOHN H. MORGAN & SUE M. MORGAN, TRUSTEES, U/T/A, DATED JUNE 10, 1992 F/B/O THE MORGAN FAMILY	12-4-34
S	SHIBEN ESTATES	12-4-25
T	NANCY RABER ETAL	12-4-16
U	ANTHONY C. BLATT & REBECCA F. BLATT	12-4-15
V	ANTHONY C. BLATT & REBECCA F. BLATT	12-4-14
W	TAMI M. BLATT; MICHAEL J. BLATT; KEVIN L. BLATT, TRUSTEE	12-4-4
X	KIMBERLY C. HOFFMAN	12-4-40
Y	ZACHARY M. BLAIR	09-21-20
Z	ZACHARY M. BLAIR	09-21-19
AA	XXXXX	09-21-15
AB	ZACHARY M. BLAIR	09-21-13
AC	MASON DIXON FARMS	09-21-12
AD	NANCY RABER ETAL	12-4-7
AE	JOHN STULGA	12-4-19
AF	SCHOOL	12-4-18
AG	CLAUDIA MECKEL-JONAS ETAL	12-4-28
AH	HENRY J. SUNDA; HERBERT SIVERT, ETAL	12-4-29
AI	MILLTREE PROPERTIES, LLC	12-5-21
AJ	MILLTREE PROPERTIES, LLC	12-5-25
AK	MILLTREE PROPERTIES, LLC	12-5-26
AL	SWN PRODUCTION COMPANY, LLC, ETAL	12-10-5
AM	SWN PRODUCTION COMPANY, LLC	12-10-6
AN	FREDA TAYLOR, CALVIN TAYLOR, CHARLOTTE MARS, NILA ISABELLA, OPHIA GUNTER, AND LEWIS SHERWOOD TAYLOR	12-10-4
AO	BRADLEY SCOTT YOHO	12-10-12
AP	DEBORAH D. SHOWALTER ETAL	12-10-17
AQ	BRADLEY SCOTT YOHO	12-10-19
AR	RYAN ALLEN YOHO	12-10-19.2
AS	LYLE YOHO ETAL	01-4-37
AT	CORY DURIG & DAVID DURIG	01-7-1
AU	SUSAN ANNETT SMITH	01-7-3
AV	SUSAN ANNETT SMITH	01-7-3.1
AW	JOHN J. YEAGER, ETAL	01-7-9.2
AX	ERIC L. YEATER & AMANDA J. YEATER, HUSBAND AND WIFE	12-10-34
AY	HAESSLY LAND AND TIMBER, LLC, AN OHIO LIMITED LIABILITY COMPANY	12-15-11
AZ	GARY G. YOCUME AND LAVERNE YOCUM (LIFE ESTATE), AND CHRIS B. YOCUM (REMAINDERMAN)	12-15-9
BA	RODNEY A. CALVERT	12-10-29.5
BB	JEFFREY J. YOHO	12-10-16.1

REVISIONS:

COMPANY:

SWN
Production Company, LLC

SWN ^{R+V+}_A
Production Company™

OPERATOR'S

SWN A

DATE: 05-04-2020

WELL #:

WTZ 205H

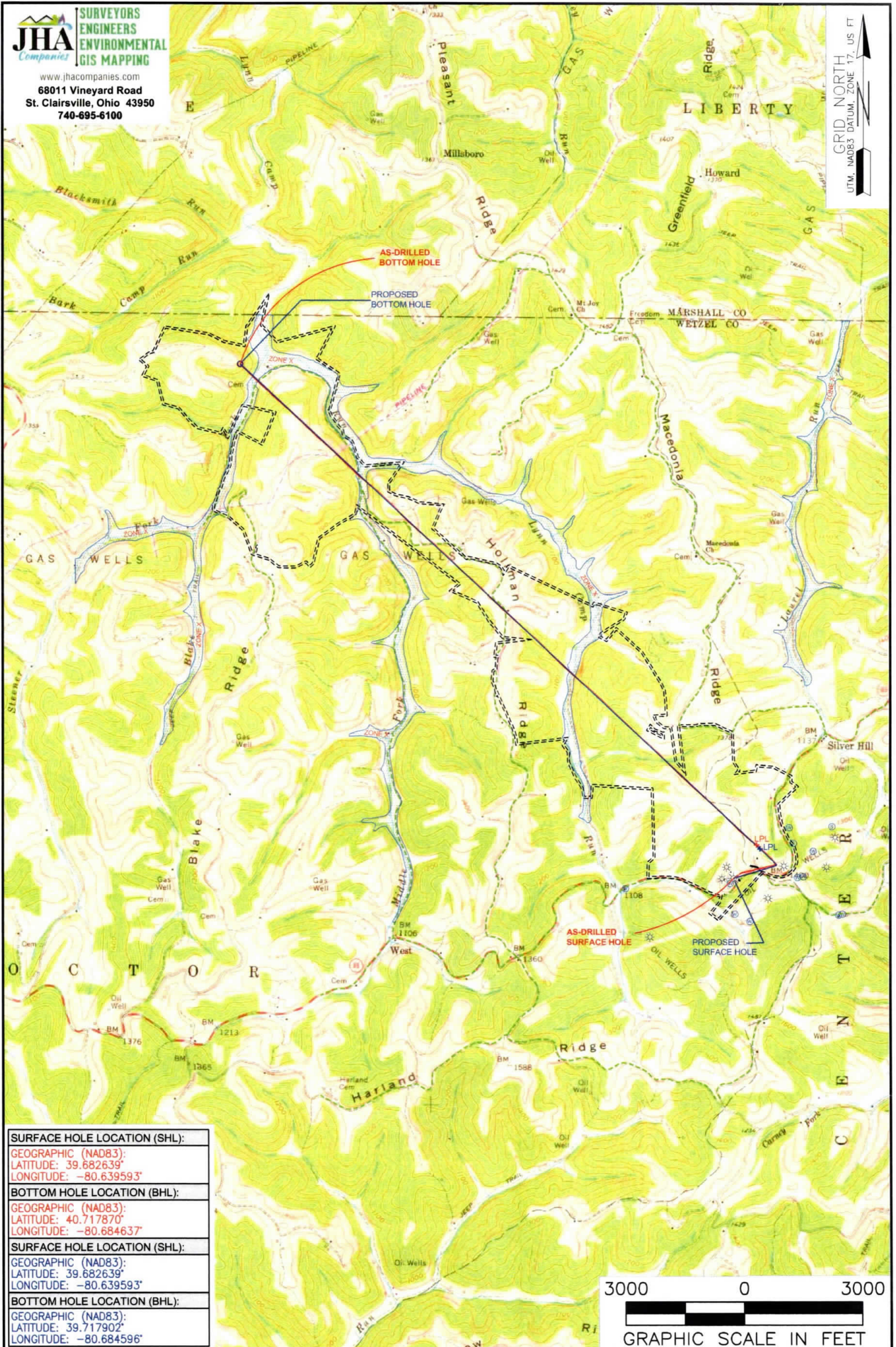
DRAWN BY: R. GRIMES

DISTRICT:
PROCTOR

COUNTY:
WETZEL

STATE:
WV

SCALE: N/A
DRAWING NO: 2016-519
WELL LOCATION PLAT



SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD83):
LATITUDE: 39.682639°
LONGITUDE: -80.639593°
BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.717870°
LONGITUDE: -80.684637°
SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD83):
LATITUDE: 39.682639°
LONGITUDE: -80.639593°
BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83):
LATITUDE: 39.717902°
LONGITUDE: -80.684596°

NOTES ON SURVEY

1. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
2. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
3. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

LEGEND:

- EXISTING BOTTOM HOLE
- ⊗ EXISTING / PRODUCING WELLHEAD
- LPL* EXISTING LANDING POINT LOCATION
- PROPOSED SURFACE HOLE / BOTTOM HOLE
- LPL* PROPOSED LANDING POINT LOCATION
- ACCESS ROAD
- PUBLIC ROAD
- FLOOD PLAIN
- LEASE BOUNDARY
- AS DRILLED PATH
- PROPOSED PATH

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	WELL (FARM) NAME: SWN A WTZ	WELL # 205H	SERIAL # XXXX
ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201, MORGANTOWN WV, 26508	COUNTY - CODE WETZEL - 103	DISTRICT; API # PROCTOR 47-103-03251	
SURFACE OWNER: SWN PRODUCTION COMPANY, LLC	USGS 7 1/2 QUADRANGLE MAP NAME WILEYVILLE, WV		