

LATITUDE: 39°42'30" SURFACE HOLE (2000' SCALE)

4133'

LATITUDE: 39°42'30" BOTTOM HOLE (2000' SCALE)

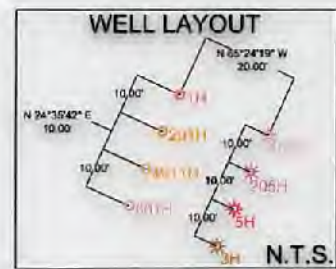
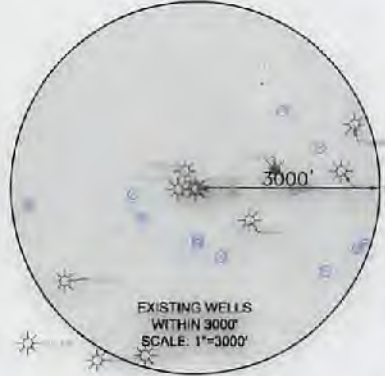
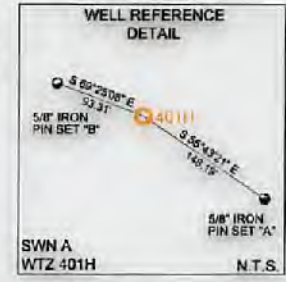
1139'



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

NOTES ON SURVEY

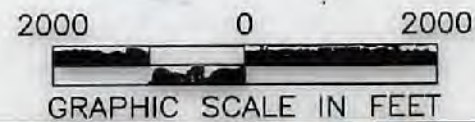
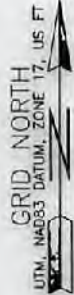
1. COORDINATE SYSTEM IS UTM NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
2. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
3. THIS PLAT DOES 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 FROTH 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	S71°03'49"W	1319.44'
L2	S46°38'13"W	653.67'



SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4392596.42 EASTING: 530898.27
LANDING POINT LOCATION (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4391983.56 EASTING: 530250.37
BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4393711.74 EASTING: 528235.91



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]*

COMPANY: **SWN** Production Company, LLC

	(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS	MINIMUM DEGREE OF ACCURACY: 1/200	SWN A WTZ 401H
	WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034	PROVEN SURVEY SOURCE OF ELEVATION: (NAVD 88, US FT)	OPERATOR'S WELL #: 401H API WELL #: 47 STATE 103 COUNTY 03453 HCA PERMIT

WELL TYPE: OIL WASTE DISPOSAL PRODUCTION <input checked="" type="checkbox"/> DEEP GAS <input checked="" type="checkbox"/> LIQUID INJECTION STORAGE SHALLOW <input checked="" type="checkbox"/>	ELEVATION: 1343.2'
WATERSHED: UPPER OHIO SOUTH	QUADRANGLE: WILEYVILLE, WV
DISTRICT: PROCTOR COUNTY: WETZEL	ACREAGE: ±128.24
SURFACE OWNER: SWN PRODUCTION COMPANY, LLC	ACREAGE: ±128.24
OIL & GAS ROYALTY OWNER: RODNEY CALVERT, ET AL	
DRILL <input checked="" type="checkbox"/> DRILL DEEPER REDRILL FRACTURE OR STIMULATE <input checked="" type="checkbox"/> PLUG OFF OLD FORMATION PERFORATE NEW FORMATION	
CONVERT PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY)	
TARGET FORMATION: MARCELLUS	ESTIMATED DEPTH: 7,383' TVD 17,135' TMD

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
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LEGEND: PROPOSED SURFACE HOLE / BOTTOM HOLE EXISTING / PRODUCING WELLHEAD LPL* LANDING POINT LOCATION EXISTING WATER WELL EXISTING SPRING NATURAL WATERWAY SURVEYED BOUNDARY LEASE BOUNDARY PROPOSED PATH PUBLIC ROAD	REVISIONS: DATE: 03-23-2021 API NO: 47-103-XXXX DRAWN BY: R. GRIMES SCALE: 1" = 2000' DRAWING NO: 2016-519 WELL LOCATION PLAT
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LONGITUDE: 80°40'00" BOTTOM HOLE (2000' SCALE)
 LONGITUDE: 80°37'30" SURFACE HOLE (2000' SCALE)

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	CALVERT RODNEY A	12-10-29.3
3	DREYER JOSEPH C	12-15-8
4	HAESSLY LAND AND TIMBER LLC	12-15-7
5	HAESSLY LAND AND TIMBER LLC	12-15-6
6	HAESSLY LAND AND TIMBER LLC	12-10-33
7	HAESSLY HARDWOOD LUMBER CO	12-10-32
8	STATE OF WEST VIRGINIA, DIVISION OF HIGHWAYS	PROCTOR CREEK ROAD (COUNTY HIGHWAY 89)
9	HUGGINS JOSEPH DEAN	12-10-31
10	HUGGINS JOSEPH DEAN	12-10-25
11	RITCHEA ROBERT C & JAMES L	12-10-24
12	HAESSLY HARDWOOD LUMBER CO	12-10-23
13	HAESSLY LAND AND TIMBER LLC	12-10-20
14	HUGGINS MICHAEL A & PATRICK W	12-9-23
15	GODDARD WAYNE L	12-9-22

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	YOHO NORMA F	1-7-40
B	SWN PRODUCTION COMPANY	12-10-29.2
C	CALVERT RODNEY A	12-10-29.5
D	HUTCHISON MARGARET A	12-15-9
E	HAESSLY LAND AND TIMBER LLC	12-15-10
F	LEMASTERS DOLLY G EST	12-15-19
G	HAESSLY LAND AND TIMBER LLC	12-15-5
H	HAESSLY LAND AND TIMBER LLC	12-15-4
I	HUGGINS JOSEPH DEAN	12-15-1
J	RITCHEA WILLIAM D & SHIRLEY E	12-14-9
K	GODDARD WAYNE L	12-9-46
L	WOODSTUFF JOYCE K	12-9-44
M	GODDARD WAYNE L	12-9-33
N	BLAKE VERIL JEROME	12-9-32
O	BLAKE VERIL JEROME	12-9-21
P	SHULUGA ANDREW D & ANDREA M	12-9-13
Q	SHULUGA ANDREW D & ANDREA M	12-9-14
R	SHULUGA ANDREW D & ANDREA M	12-9-15
S	RICHMOND CASSIDI PAIGE	12-10-13
T	RICHMOND CASSIDI PAIGE	12-10-21
U	RITCHEA ROBERT C & JAMES L	12-10-22
V	SWN PRODUCTION COMPANY LLC	12-10-26
W	SWN PRODUCTION COMPANY LLC	12-10-27
X	SWN PRODUCTION COMPANY LLC	12-10-28
Y	YOHO DARREN ET AL	12-10-16
Z	YOHO DARREN ET AL	12-10-18
AA	DURIG CORY & DAVID	1-7-2
AB	CALVERT RODNEY A	12-10-29.4
AC	CALVERT RODNEY A	12-10-29.1

10/08/2021

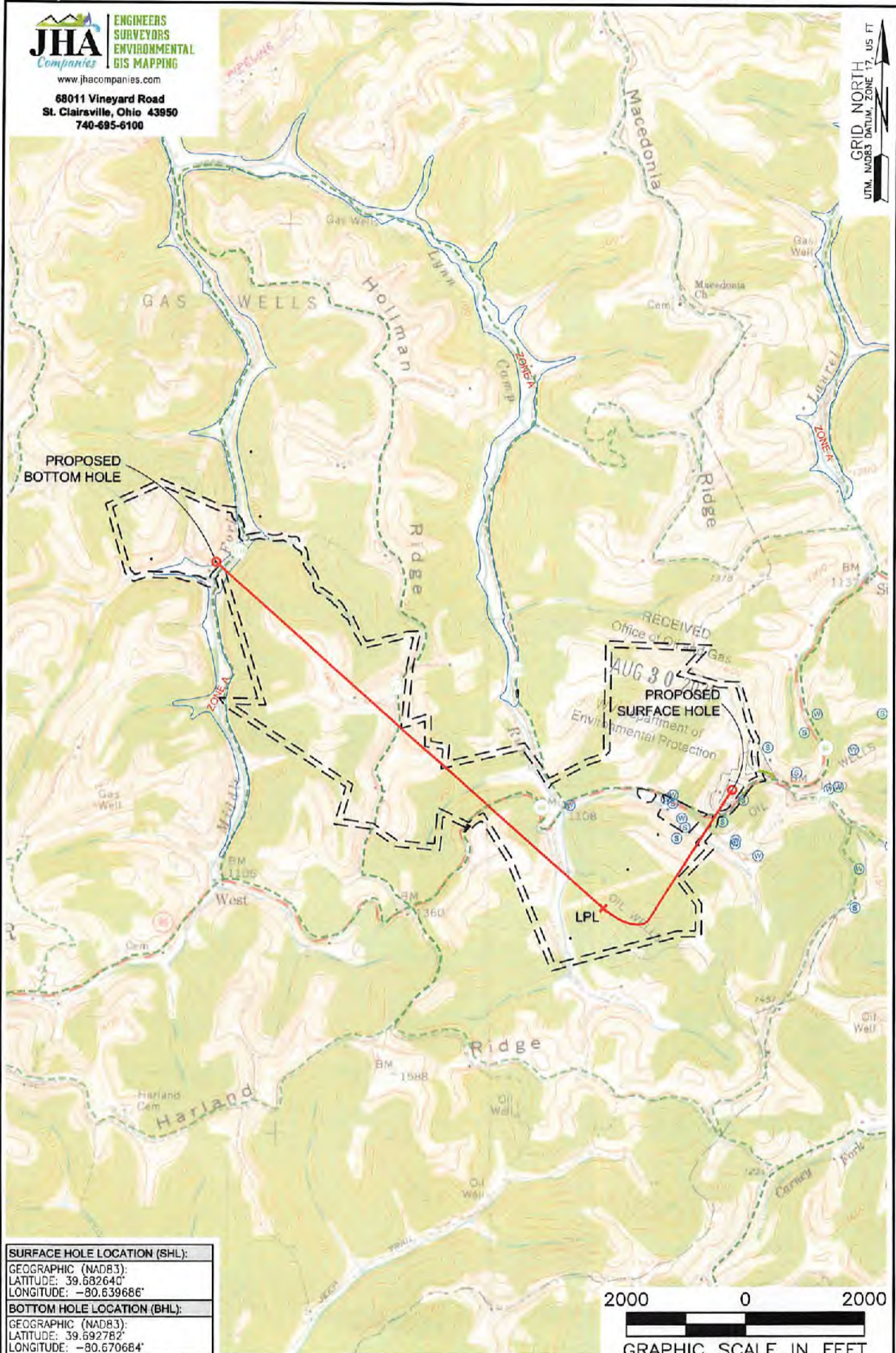
REVISIONS:	COMPANY: SWN Production Company, LLC		DATE: 03-23-2021 API NO: 47-103-XXXXX DRAWN BY: R. GRIMES SCALE: N/A DRAWING NO: 2016-519 WELL LOCATION PLAT	
	OPERATOR'S: SWN A WYZ			
	WELL #: 47-103-03453 401H			
	DISTRICT: PROCTOR	COUNTY: WETZEL		STATE: WV



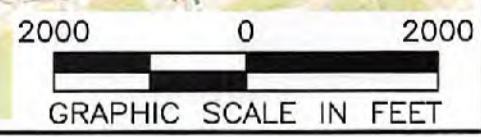
**ENGINEERS
SURVEYORS
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GRID NORTH
UTM, NAD83 DATUM, ZONE 17, US FT



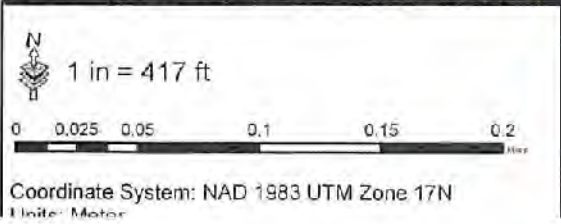
SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD83):
LATITUDE: 39.682640°
LONGITUDE: -80.639686°
BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83):
LATITUDE: 39.692782°
LONGITUDE: -80.670684°



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:	PROPOSED SURFACE HOLE / BOTTOM HOLE	10/08/2021
EXISTING / PRODUCING WELLHEAD	ACCESS ROAD	
LPL* LANDING POINT LOCATION	PUBLIC ROAD	
FLOOD PLAN	ACCESS ROAD TO PREV. SITE	
	LEASE BOUNDARY	
	PROPOSED PATH	

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	WELL (FARM) NAME: SWN A WTZ	WELL # 401H	SERIAL # XXXX
ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201, MORGANTOWN, WV 26508	COUNTY: WETZEL	CODE: 103	DISTRICT: PROCTOR
SURFACE OWNER: SWN PRODUCTION COMPANY, LLC	USGS 7 1/2 QUADRANGLE MAP NAME: WILEYVILLE, WV		



Office of Oil and Gas

AUG 30 2021

WV Department of Environmental Protection

- P Pond
- S Spring
- ⊙ Water Well
- 1500' Buffer

Water Purveyor Map
Well Pad: SWN A
County: WTZ

SWN 10/08/2021 ²¹ _{TV}

Southwestern Energy

Date: 4/24/2018 | Author: willish