

LATITUDE: 40°10'00" SURFACE HOLE (2000' SCALE)

9751'

LATITUDE: 40°07'30" BOTTOM HOLE (2000' SCALE)

5737'

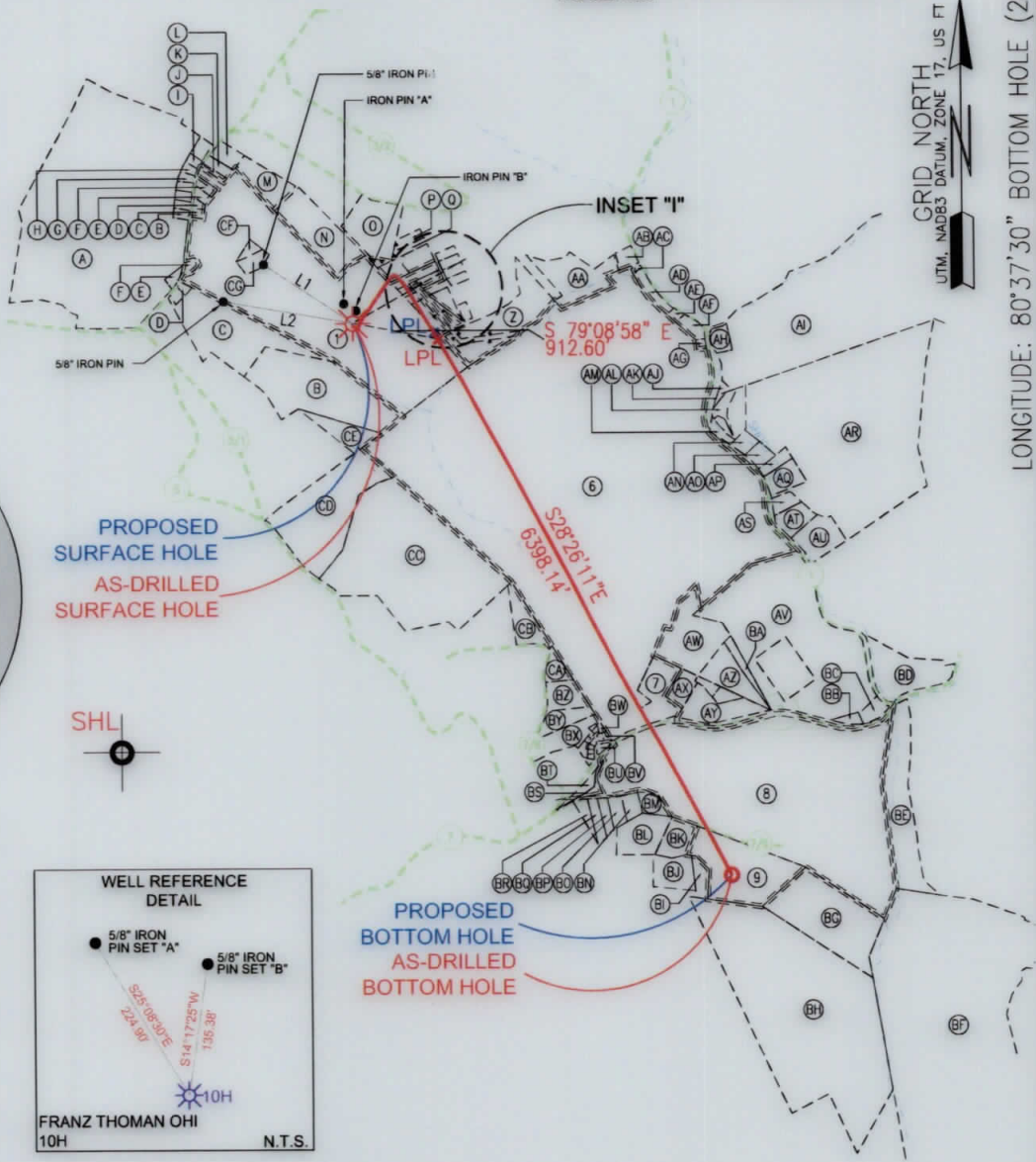
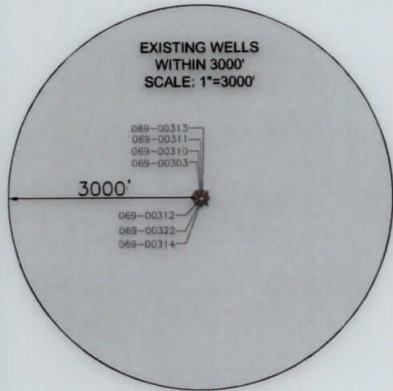
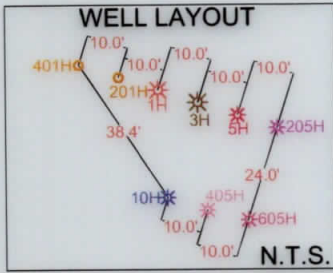


68011 Vineyard Road  
St. Clairsville, Ohio 43950  
740-695-6100

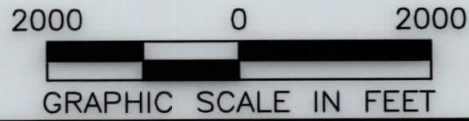
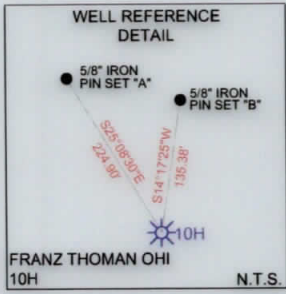
LINE	BEARING	DISTANCE
L1	S56°26'35"E	1125.70'
L2	S80°06'21"E	1383.34'

**NOTES ON SURVEY**

- COORDINATE 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/OR FIELD LOCATIONS.
- THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
- NO DWELLINGS OR BUILDINGS WITHIN 625 FEET OF PROPOSED CENTER OF PAD
- 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 THE LIMITS OF DISTURBANCE.
- NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.



<b>SURFACE HOLE LOCATION (SHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4442980.61 EASTING: 528973.55
<b>LANDING POINT LOCATION (LPL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4442932.17 EASTING: 529246.83
<b>BOTTOM HOLE LOCATION (BHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4441233.29 EASTING: 530204.11
<b>SURFACE HOLE LOCATION (SHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4442980.61 EASTING: 528973.55
<b>LANDING POINT LOCATION (LPL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4442954.67 EASTING: 529235.18
<b>BOTTOM HOLE LOCATION (BHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4441232.31 EASTING: 530205.20



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]* 6/3/20

COMPANY: **SWN** Production Company, LLC

WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034	(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS	MINIMUM DEGREE OF ACCURACY: 1/200	FRANZ THOMAN OHI
	PROVEN SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)	OPERATOR'S WELL #: 10H	API WELL #: 47 069 00312

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

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1,137.3'

DISTRICT: RICHLAND COUNTY: OHIO QUADRANGLE: TILTONVILLE, OH-WV & WHEELING, WV

SURFACE OWNER: FRANZ THOMAN ACREAGE: ±69.418

OIL & GAS ROYALTY OWNER: FRANZ THOMAN ACREAGE: ±69.418

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: 5,945' TVD 12,833' 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

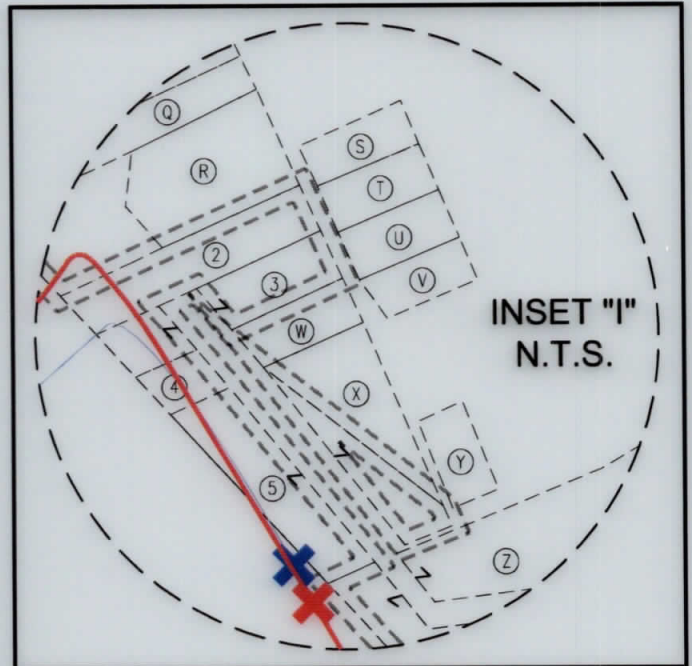
LEGEND:	REVISIONS:	DATE:
<ul style="list-style-type: none"> <li>EXISTING BOTTOM HOLE</li> <li>EXISTING / PRODUCING WELLHEAD</li> <li>LPL* EXISTING LANDING POINT LOCATION</li> <li>PROPOSED SURFACE HOLE / BOTTOM HOLE</li> <li>LPL* PROPOSED LANDING POINT LOCATION</li> </ul>	<ul style="list-style-type: none"> <li>ACCESS ROAD</li> <li>PUBLIC ROAD</li> <li>FLOOD PLAN</li> <li>LEASE BOUNDARY</li> <li>ASDRILLED PATH</li> <li>PROPOSED PATH</li> </ul>	06-03-2020 API NO: 47-069-00312 DRAWN BY: R. GRIMES SCALE: 1" = 2000' DRAWING NO: 2018-781 WELL LOCATION PLAT



WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	FRANZ THOMAN (S)/(R)	04-R8-62.0
TRACT	SURFACE OWNER	TAX PARCEL
2	JOLLY W. WHEELER, JR. & KAREN M. WHEELER	04-R8Q-14.0
3	FRANK JOSEPH & SARA RENEE TAROVISKY	04-R8Q-28.0
4	PAULA J. & EDWARD C. TOMASIK	04-R8Q-03.0
5	RUSSELL E. & ROSEANN L. TERAMANA	04-R8Q-02.0
6	SANDSCREST FOUNDATION, INC	04-R11-15.0
7	LEE A. BULIAN & DEIRDRE A. BULIAN	04-R11-29.0
8	BOY SCOUTS COUNCIL OF AMERICA, HUOROQUOIS	04-R11-36.0
9	JASON T. & VALERIE L. WAHL	04-R11-37.1

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	THE KATHLEEN S. CRAFT FOUNDATION & THE JOSEPH W. CRAFT, III FOUNDATION	04-R8-51.0
B	JOHN M. MCGEE	04-R8P-17.0
C	DONALD P. GAYDA	04-R8P-18.0
D	CHARLES R. BOND	04-R8K-110.0
E	TYLER S. SCHWERTFEGER	04-R8K-111.0
F	TYLER S. SCHWERTFEGER	04-R8K-112.0
G	ELMER K. REED	04-R8K-106.0
H	ELMER K. REED	04-R8K-105.0
I	BERNARD H. & KELLY J. BOZENSKE	04-R8K-104.0
J	RAY B. & ANN M. WILSON	04-R8-62.7
K	ERIC DURELL & CHERYL LYNN RICHARDSON	04-R8-62.6
L	DAVID R. & KAREN MULDREW	04-R8K-101.0
M	DELORA L. TAYLOR	04-R8K-100.0
N	SUSAN J. SOBOTA	04-R8-62.3
O	JOHN T. WRIGHT	04-R8P-11.0
P	JACQUELINE M. SUTTON	04-R8Q-10.0
Q	AMY D. DAGUE	04-R8Q-11.0
R	DALE EBBERT & BEVERLY JEAN KURNER	04-R8Q-12.0
S	ROGER L. MOORE	04-R8Q-30.1
T	JOLLY W. WHEELER, JR. & KAREN M. WHEELER	04-R8Q-29.0
U	FRANK J. & S.R. TAROVISKY	04-R8Q-28.0
V	TOMASIK PAULA J. & EDWARD C.	04-R8Q-27.0
W	TOMASIK PAULA J. & EDWARD C.	04-R8Q-16.0
X	RUSSELL E. & ROSEANN L. TERAMANA	04-R8Q-17.0
Y	RUSSELL E. & ROSEANN L. TERAMANA	04-R8Q-18.0
Z	RALPH J. & KENDRA LEE HUFFMAN	04-R8Q-60.0
AA	LOUIS J. ENNIS	04-R8Q-61.0
AB	ANDREW JOSEPH VDOVJAK, NANETTE DEVAULT, JACOB ANDREW VDOVJAK, III & JOHN PAUL VDOVJAK, JR.	04-R8Q-79.0
AC	SANDSCREST FOUNDATION, INC	04-R11-15.0
AD	TUNNEL RIDGE, LLC	04-R8-72.0
AE	TUNNEL RIDGE, LLC	04-R8-72.1
AF	DEBRA HERCULES	04-R8-72.2
AG	TUNNEL RIDGE, LLC	04-R8-75.0
AH	TUNNEL RIDGE, LLC	04-R8-61.1
AI	TUNNEL RIDGE, LLC	04-R8-61.4
AJ	TUNNEL RIDGE, LLC	04-R8-61.2
AK	TUNNEL RIDGE, LLC	04-R8-61.3
AL	TUNNEL RIDGE, LLC	04-R11-34.12
AM	TUNNEL RIDGE, LLC	04-R11-34.7
AN	TUNNEL RIDGE, LLC	04-R11-34.2
AO	TUNNEL RIDGE, LLC	04-R11-34.1
AP	TUNNEL RIDGE, LLC	04-R11-34.9
AQ	TUNNEL RIDGE, LLC	04-R11-34.13
AR	TUNNEL RIDGE, LLC	04-R12-01.3
AS	JAMES V. & EDITH M. STANTON	04-R11-34.4
AT	JAMES & EDITH STANTON	04-R11-34.11
AU	JAMES V. & EDITH M. STANTON	04-R11-34.0
AV	CHRISTOPHER P. & CHERYL D. RILEY	04-R11-33.0
AW	JUNE L. PAULL	04-R11-15.1
AX	BENJAMIN C. & K.C. DOBKIN	04-R11-30.0
AY	JOHN F. & CHERYL A. DEBLASSIS	04-R11-30.3
AZ	LEE C., III & JUNE W. PAULL	04-R11-32.0
BA	CHRISTOPHER P. & CHERYL D. RILEY	04-R11-32.1
BB	RICHARD LINK	04-R11-36.2
BC	RUTH J. DEAN	04-R11-36.1
BD	RELYKS, LLC	04-R11-35.3
BE	BOY SCOUTS COUNCIL OF AMERICA, OHIO RIVER VALLEY COUNCIL	04-R11-40.0
BF	OGLEBAY FOUNDATION, INC	04-R12-10.2
BG	DANIEL E. WHITAKER	04-R11-37.0
BH	PARKS SYSTEM TRUST FUND	04-R11-38.0
BI	ROBERT R. & K.A. CUSTER	04-R11-24.2
BJ	DENISE LYNN DANISON	04-R11-24.0
BK	MARY ANN RUCKMAN, REVOCABLE TRUST	04-R11-25.0
BL	JOHN W. & S.A. PASCOLI	04-R11-26.0
BM	JOHN W. & S.A. PASCOLI	04-R11-27.0
BN	JOHN W. PASCOLI	04-R11L-19.0
BO	WILLIAM R. & E.N. SHOAF	04-R11L-20.0
BP	CURTIS N. DARLENE E. SHOAF	04-R11L-21.0

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
BQ	JEREMY B. & TRACY M. WOOD	04-R11L-22.0
BR	MICHAEL L. KIRSCHTEN & JENNIFER L. KIRSCHTEN	04-R11L-23.0
BS	HUROQUOIS COUNCIL BSA	04-R11-28.1
BT	JEREMY B. & TRACY M. WOOD	04-R11-28.0
BU	NICHOLAS C. ROXYB	04-R11G-45.0
BV	BLANCHE P. SLOAN	04-R11G-44.0
BW	JOSEPH T., SR. & JEAN L. MOSES	04-R11G-38.0
BX	JOSEPH C. & DEBRA A. EDDY	04-R11L-13.0
BY	DIANA LYNN SHACKELFORD	04-R11G-36.0
BZ	DIANA J. MICHAELS	04-R11G-35.0
CA	JAMES S. & MONICA J. PEKLINSKY	04-R11G-35.1
CB	BENJAMIN JAMES SCHNEIDER	04-R11G-30.1
CC	SHAWN G. & AIMEE M. STERN	04-R11-16.13
CD	KRISTINE N. MOLNAR	04-R11-16.4
CE	KRISTEN N. MOLNAR	04-R11-13.1
CF	KASMIR MAJEWSKI & EDWARD A. MAJEWSKI	04-R8-62.2
CG	KASMIR MAJEWSKI & EDWARD A. MAJEWSKI	04-R8-62.8



09/10/2021

REVISIONS:	COMPANY: <b>SWN</b> Production Company, LLC		DATE: 06-03-2020	
	OPERATOR'S: FRANZ THOMAN OHI		API NO: 47-069-00312	
	WELL #: 10H		DRAWN BY: R. GRIMES	
	DISTRICT: RICHLAND	COUNTY: OHIO	STATE: WV	SCALE: N/A
				DRAWING NO: 2018-781
				WELL LOCATION PLAT



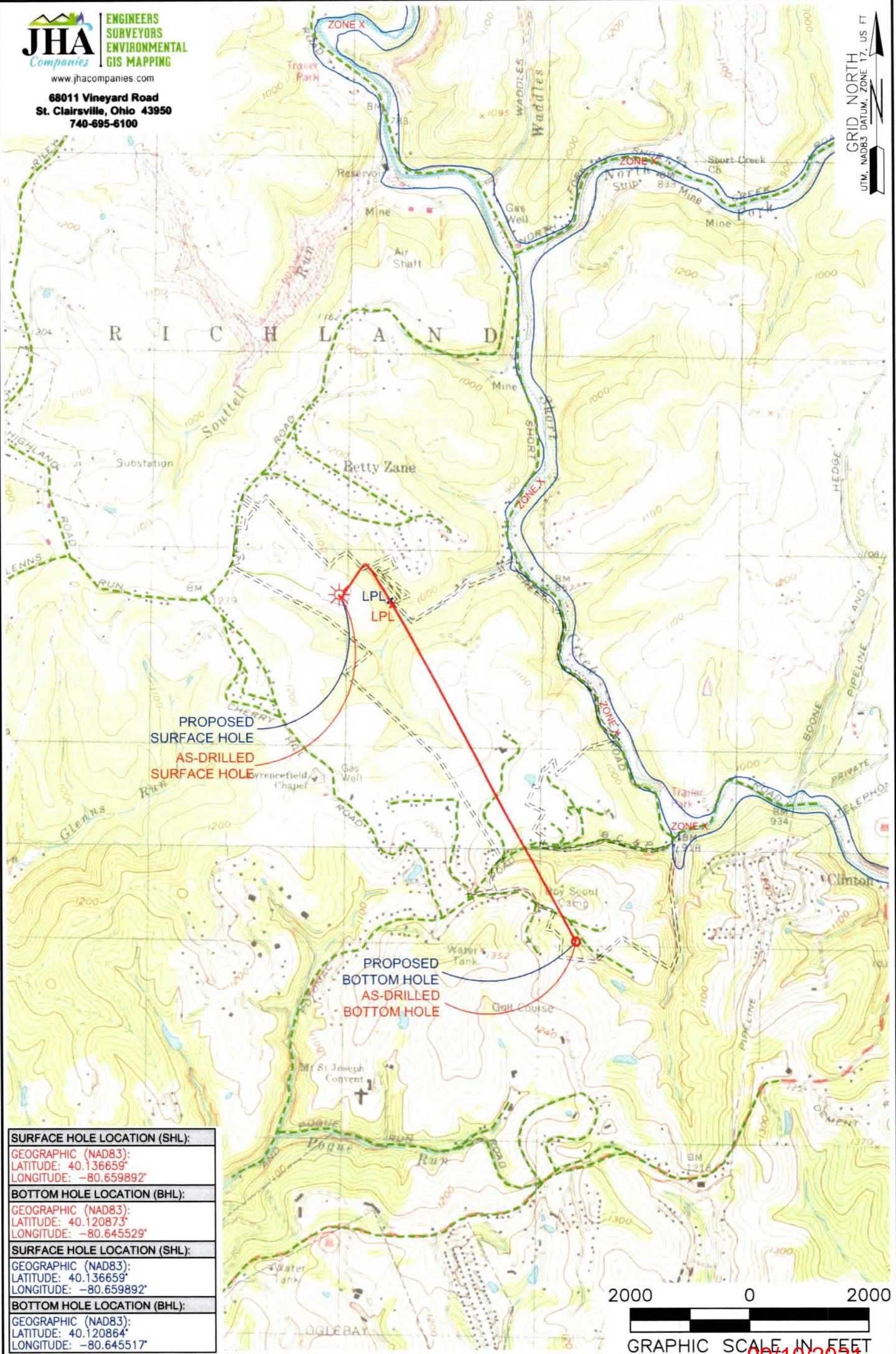


**ENGINEERS  
SURVEYORS  
ENVIRONMENTAL  
GIS MAPPING**

www.jhacompanies.com

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

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



PROPOSED  
SURFACE HOLE  
AS-DRILLED  
SURFACE HOLE

PROPOSED  
BOTTOM HOLE  
AS-DRILLED  
BOTTOM HOLE

<b>SURFACE HOLE LOCATION (SHL):</b>
GEOGRAPHIC (NAD83): LATITUDE: 40.136659° LONGITUDE: -80.659892°
<b>BOTTOM HOLE LOCATION (BHL):</b>
GEOGRAPHIC (NAD83): LATITUDE: 40.120873° LONGITUDE: -80.645529°
<b>SURFACE HOLE LOCATION (SHL):</b>
GEOGRAPHIC (NAD83): LATITUDE: 40.136659° LONGITUDE: -80.659892°
<b>BOTTOM HOLE LOCATION (BHL):</b>
GEOGRAPHIC (NAD83): LATITUDE: 40.120864° LONGITUDE: -80.645517°



**NOTES ON SURVEY**

- 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.
- THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
- ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

RECEIVED  
Office of Oil and Gas  
JAN 29 2021

**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

09/10/2021

<b>WELL OPERATOR:</b> SWN PRODUCTION COMPANY, LLC	<b>WV Department of Environmental Protection</b>	<b>WELL (FARM) NAME:</b> FRANZ THOMAN OHI	<b>WELL #</b> 10H	<b>SERIAL #</b> XXXX
<b>ADDRESS:</b> 1300 FORT PIERPONT DRIVE, SUITE 201, MORGANTOWN, WV 26508		<b>COUNTY:</b> OHIO	<b>CODE:</b> 069	<b>DISTRICT:</b> RICHLAND
<b>SURFACE OWNER:</b> FRANZ THOMAN		<b>USGS 7 1/2 QUADRANGLE MAP NAME:</b> TILTONVILLE, OH-WV & WHEELING, WV	<b>API #</b> 47-069-00312	