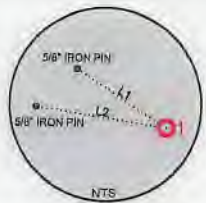


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GRID NORTH
UTM, NAD83 DATUM, ZONE 17, US FT

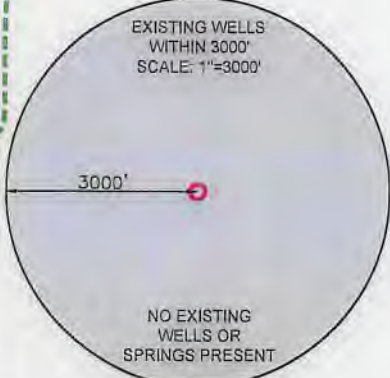
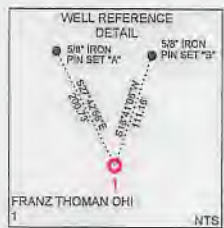


LINE	BEARING	DISTANCE
L1	S57°29'40"E	1109.75'
L2	S81°09'06"E	1376.96'

WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	FRANZ THOMAN (S/R)	04-89-0062.0000

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	ALLIANCE RESOURCE CO, LLC	04-89-0031.0000
B	DONALD P. GUYA	04-89-0101.0000
C	CHARLES R. KING	04-89-0110.0000
D	TYLER R. SCHWETTERER	04-89-0111.0000
E	TYLER R. SCHWETTERER	04-89-0112.0000
F	ELMER K. & JOY D. REED	04-89-0129.0000
G	ELMER K. & JOY D. REED	04-89-0129.0000
H	BERNARD H. & MARILEE J. BOZEMAN	04-89-0124.0000
I	RAY E. & ANN W. WELSH	04-89-0082.0007
J	ERIC BARRELL & CHELSEA LYNN RICHMOND	04-89-0107.0000
K	DAVID R. & K. WILCOX	04-89-0109.0000
L	DEBRA L. TAYLOR	04-89-0109.0000
M	SUSAN J. SOWDA	04-89-0062.0003
N	JOHN T. WYBIC	04-89-0011.0000
O	JACQUELINE W. GUTTON	04-89-0010.0000
P	ART D. DAGLE	04-89-0011.0000
Q	DALE E. & S.J. RUMER	04-89-0012.0000
R	JOLLY W. JR. & KAL WELSH	04-89-0014.0000
S	FRANK J. & S.L. SAWYERS	04-89-0028.0000
T	PAULA J. & EDWARD C. TOMASKI	04-89-0003.0000
U	RUSSELL & ROSEMARY TERMANA (E/O MELVIN SMITH)	04-89-0002.0000
V	DAVE J. & K.L. PRITMAN	04-89-0060.0000
W	SANDROTTI TRANSACTION, INC	04-89-0010.0000
X	TUNNEL RIDGE, LLC	04-89-0082.0004
Y	TUNNEL RIDGE, LLC	04-89-0082.0004
Z	TUNNEL RIDGE, LLC	04-89-0082.0000
AA	TUNNEL RIDGE, LLC	04-89-0082.0000
AB	SHARLEY W. WICKER	04-89-0062.0000
AC	KASAR MAJORS & EDWARD A. MAJORS	04-89-0082.0002
AU	KASAR MAJORS & EDWARD A. MAJORS	04-89-0082.0001

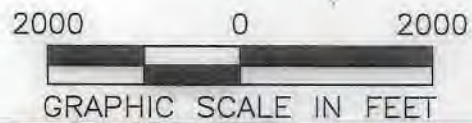
05/17/2019



- 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.
 - THIS AS-DRILLED PLAT IS PREPARED FROM THE FINAL WELL PLAT PREPARED BY ANOTHER CONSULTANT AND THE DRILLING INFORMATION IS PROVIDED TO JHA.

SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4442988.49
EASTING: 528972.74

BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4442988.49
EASTING: 528972.74



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]* 3/11/19

COMPANY: **SWN** Production Company, LLC

(+) 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 SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)

FRANZ THOMAN OHI

OPERATOR'S WELL #: 1

API WELL #: 47 STATE, 069 COUNTY, 00303 PERMIT

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

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1,143.7'

DISTRICT: RICHALND COUNTY: OHIO QUADRANGLE: TILTONVILLE, OH-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)

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,008' TVD

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:	
	PROPOSED SURFACE HOLE / BOTTOM HOLE		DATE: 03-11-2019
	EXISTING / PRODUCING WELLHEAD		
	LANDING POINT LOCATION		DRAWN BY: D. REED
	EXISTING WATER WELL		SCALE: 1" = 2000'
	EXISTING SPRING		DRAWING NO: 2018-781
	PUBLIC ROAD		WELL LOCATION PLAT
	NATURAL WATERWAY		
	SURVEYED BOUNDARY		
	LEASE BOUNDARY		
	PROPOSED PATH		

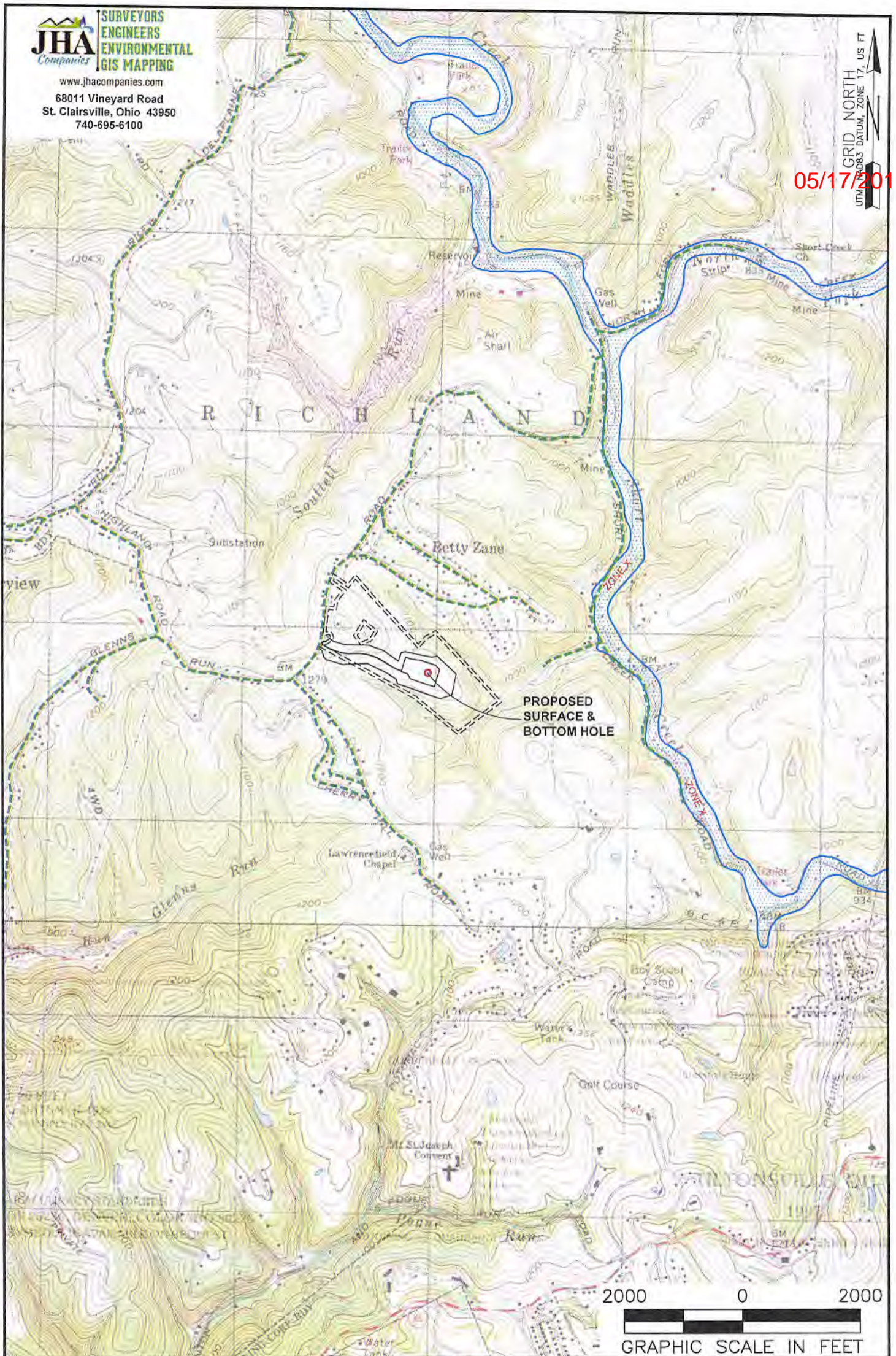
LONGITUDE: 80°37'30" SURFACE & BOTTOM HOLE

10911'

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05/17/2019

GRID NORTH
UTM 18Q83 DATUM, ZONE 17, US FT



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
- EXISTING / PRODUCING WELLHEAD
- LPL LANDING POINT LOCATION
- FLOOD PLAIN
- NATURAL WATERWAY
- ACCESS ROAD
- PUBLIC ROAD
- LEASE BOUNDARY
- PROPOSED PATH

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC		WELL (FARM) NAME: FRANZ THOMAN OHI		WELL # 1	SERIAL # XXXX
ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201, MORGANTOWN, WV 26508		COUNTY: OHIO	CODE: 069	DISTRICT: RICHLAND	
SURFACE OWNER: FRANZ THOMAN		USGS 7 1/2 QUADRANGLE MAP NAME: TILTONVILLE, OH-WV			