

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

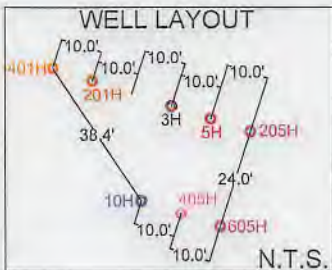
9725'

13165' LATITUDE: 40°12'30" BOTTOM HOLE (2000' SCALE)

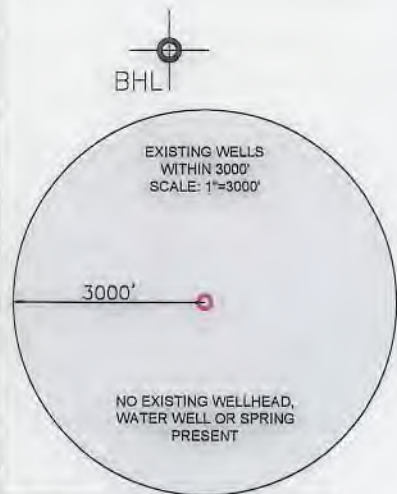


www.jhacompanies.com

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



LINE	BEARING	DISTANCE
L1	S57°52'46"E	1138.76'
L2	S80°57'49"E	1406.58'



SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4442985.85 EASTING: 528981.49
LANDING POINT LOCATION (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4443190.01 EASTING: 529333.81
BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4447985.08 EASTING: 527912.71

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



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

COMPANY: **SWN** Production Company, LLC **SWN** Production Company™

FRANZ THOMAN OHI
OPERATOR'S WELL #: 205H
API WELL #: 47 069 00313
STATE COUNTY PERMIT

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

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1,137.5'

DISTRICT: RICHLAND COUNTY: OHIO QUADRANGLE: TILTONSVILLE, 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

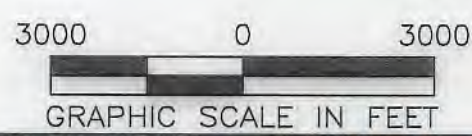
CONVERT PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY)

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 5,899' TVD 22,826' 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

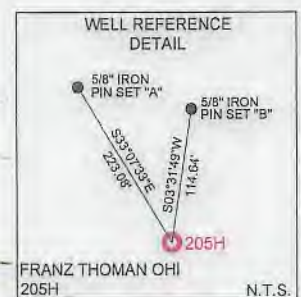
LEGEND: ● PROPOSED SURFACE HOLE / BOTTOM HOLE * EXISTING / PRODUCING WELLHEAD LPL LANDING POINT LOCATION Ⓜ EXISTING WATER WELL Ⓢ EXISTING SPRING	— NATURAL WATERWAY — SURVEYED BOUNDARY = LEASE BOUNDARY — PROPOSED PATH — PUBLIC ROAD	REVISIONS:	DATE: 08-07-2019 API NO: 47-069-XXXX DRAWN BY: D. REED SCALE: 1" = 3000' DRAWING NO: 2018-781 WELL LOCATION PLAT
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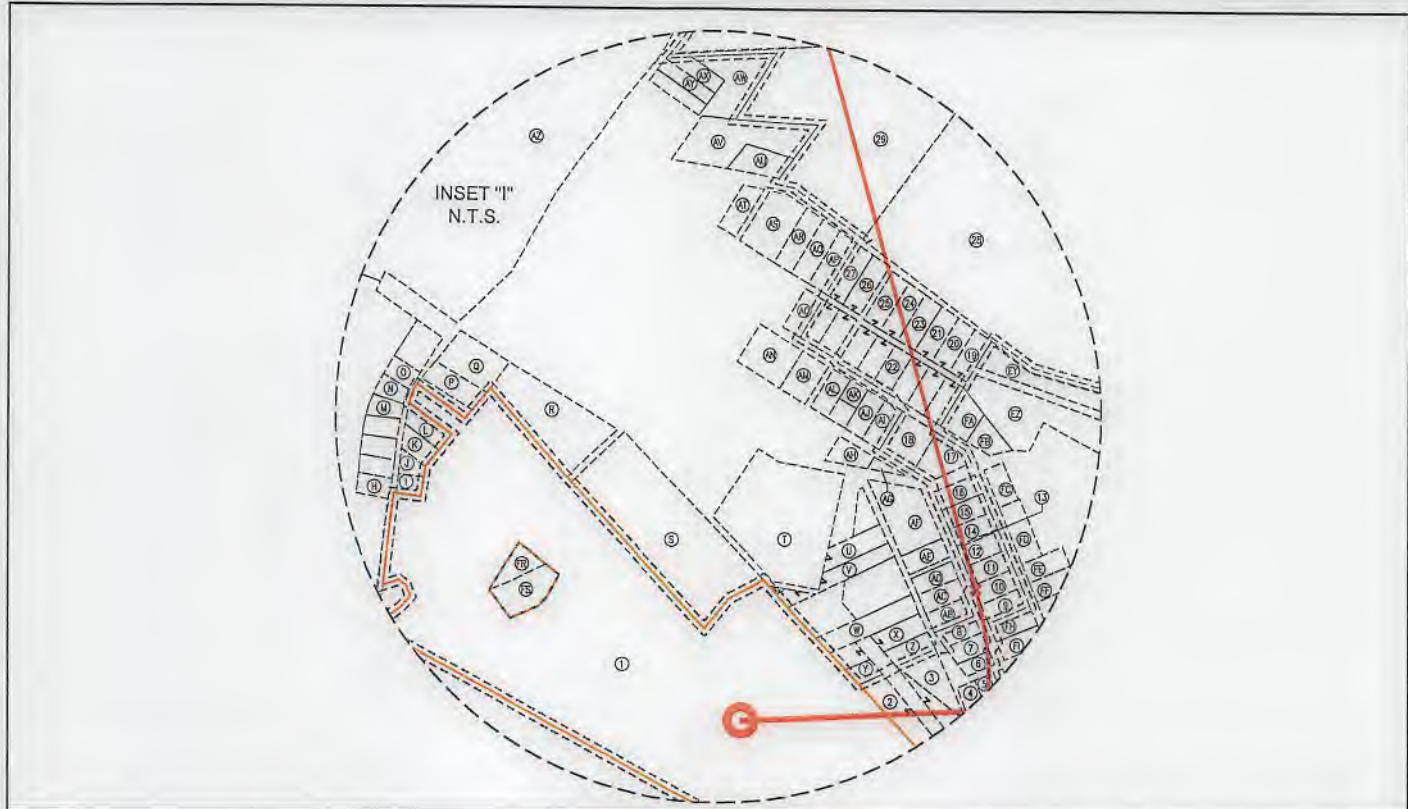
9691' LONGITUDE: 80°37'30" BOTTOM HOLE (2000' SCALE)
10941' LONGITUDE: 80°37'30" SURFACE HOLE (2000' SCALE)



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

- 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.





WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	FRANZ THOMAN (S)/(R)	04-RB-62.0
TRACT SURFACE OWNER TAX PARCEL		
2	RUSSELL TERAMANA & ROSEANN SMITH MELVIN (LIFE ESTATE)	04-RBQ-02.0
3	RUSSELL TERAMANA & ROSEANN SMITH MELVIN (LIFE ESTATE)	04-RBQ-17.0
4	ROSEANN LEE HOOD	04-RBQ-18.0
5	ROSEANN LEE HOOD	04-RBQ-19.0
6	ROSEANN LEE HOOD	04-RBQ-25.0
7	RUSSELL TERAMANA & ROSEANN SMITH MELVIN (LIFE ESTATE)	04-RBQ-26.0
8	PAULA J. & EDWARD C. TOMASIK	04-RBQ-27.0
9	SHARON K. WOLEN	04-RBQ-41.0
10	SUZANNE MOZENA	04-RBQ-40.0
11	SUZANNE MOZENA	04-RBQ-39.0
12	DONALD W. & AMY K. ELLIOT	04-RBQ-38.0
13	DONALD W. & AMY K. ELLIOT	04-RBQ-37.1
14	JOLLY W., JR & KAREN M. WHEELER	04-RBQ-37.0
15	ELAINE ANN DANEHART	04-RBQ-36.0
16	CLEMET R. KURNER	04-RBQ-35.0
17	ARDEN J. & ROSALIE WELSH	04-RBL-38.0
18	RITA MARIE PAGENDARM	04-RBL-35.0
19	ALBERT D. & BARBARA J. ROBRECHT	04-RBL-21.0
20	ALBERT D. & BARBARA J. ROBRECHT	04-RBL-22.0
21	MICHAEL L. & PATRICIA M. ALLEN	04-RBL-23.0
22	MICHAEL L. & PATRICIA M. ALLEN	04-RBL-24.0
23	SILCO, LLC (C/O: ROBINSON RICHARD)	04-RBL-13.0
24	MICHAEL J. BOWMAN & EKATERINA BOWMAN	04-RBL-25.0
25	CHAD D. & MELISSA E. LIZON	04-RBL-26.0
26	WILLIAM S. CALVERT	04-RBL-27.0
27	WILLIAM S. CALVERT	04-RBL-28.0
28	TUNNEL RIDGE, LLC	04-RB-27.7
29	ADAM B. & STACEY L. CAMPBELL	04-RBF-03.0
30	CARRIE M. & RICHARD M. JOHNSON	04-RB-32.0
31	JOHN A. & PATRICIA A. HAGLEROAD	04-RB-31.0
32	HELGA DIDRICKSEN; DARELL E. & CYNTHIA A. ICKLER	04-RB-30.0
33	DARRELL E. & CYNTHIA A. ICKLER	04-RB-30.2
34	MARGUERITE A. COLEMAN	04-RB-30.1
35	WILLIAM F. WENDEL	04-RB-33.1
36	JOHN P. & PAMELA J. BARBALEY	04-RB-33.2
37	RICHARD, JR. & LINDA L. CAROLL	04-RB-33.0
38	THE KATHLEEN S. CRAFT FOUNDATION & THE JOSEPH W. CRAFT, III FOUNDATION	04-RB-06.0
39	THE KATHLEEN S. CRAFT FOUNDATION & THE JOSEPH W. CRAFT, III FOUNDATION	04-R5-43.0
40	THE KATHLEEN S. CRAFT FOUNDATION & THE JOSEPH W. CRAFT, III FOUNDATION	04-R5-42.1
41	HELEN TAYLOR	04-R5-12.1
42	THERESE M. FLICK	04-R5-15.0
43	DALE A. & JENNIFER VILLANI	04-R5-16.0
44	ROBERT N. & CHARLOTTE L. CONNER	04-R5-17.0
45	TRENA A. WOLFE	04-R5-18.1
46	PATRICIA ROUSH	04-R5-18.0
47	ERVAN D. & NANCY G. TRUBIANO	04-R5-19.0
48	BRIAN W. & MELINDA K. SOWIZRAL	04-R5-20.1
49	DENNIS J. & SHEINA L. HOSKINS	04-R5-20.4
50	VELMA L. TAGGART (C/O: VELMA L. HEWITT)	04-R5-20.0

WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS		
TRACT	SURFACE OWNER	TAX PARCEL
51	KIMBERLY TAGGART	04-R5-20.3
52	HAROLD & LINDA COAST	04-R5-02.9
53	JAMES M. & NANCY L. FRYE	04-R5-02.10
54	CHARLES H. FRYE & ET AL (C/O: DORIS ALTMAYER)	04-R5-06.0
55	THOMAS H. & MARGARET A. STENGER	04-R5-62.0
56	THOMAS H. & MARGARET A. STENGER	04-R2-06.0
57	MATTHEW T. BURKE	04-R2-6.13
58	SCOTT & CHRISTINA DEMTZ	04-R2-6.21
59	THOMAS H. & MARGARET A. STENGER	04-R2-06.1
60	MARY E. MIDCAP	04-R2-14.0

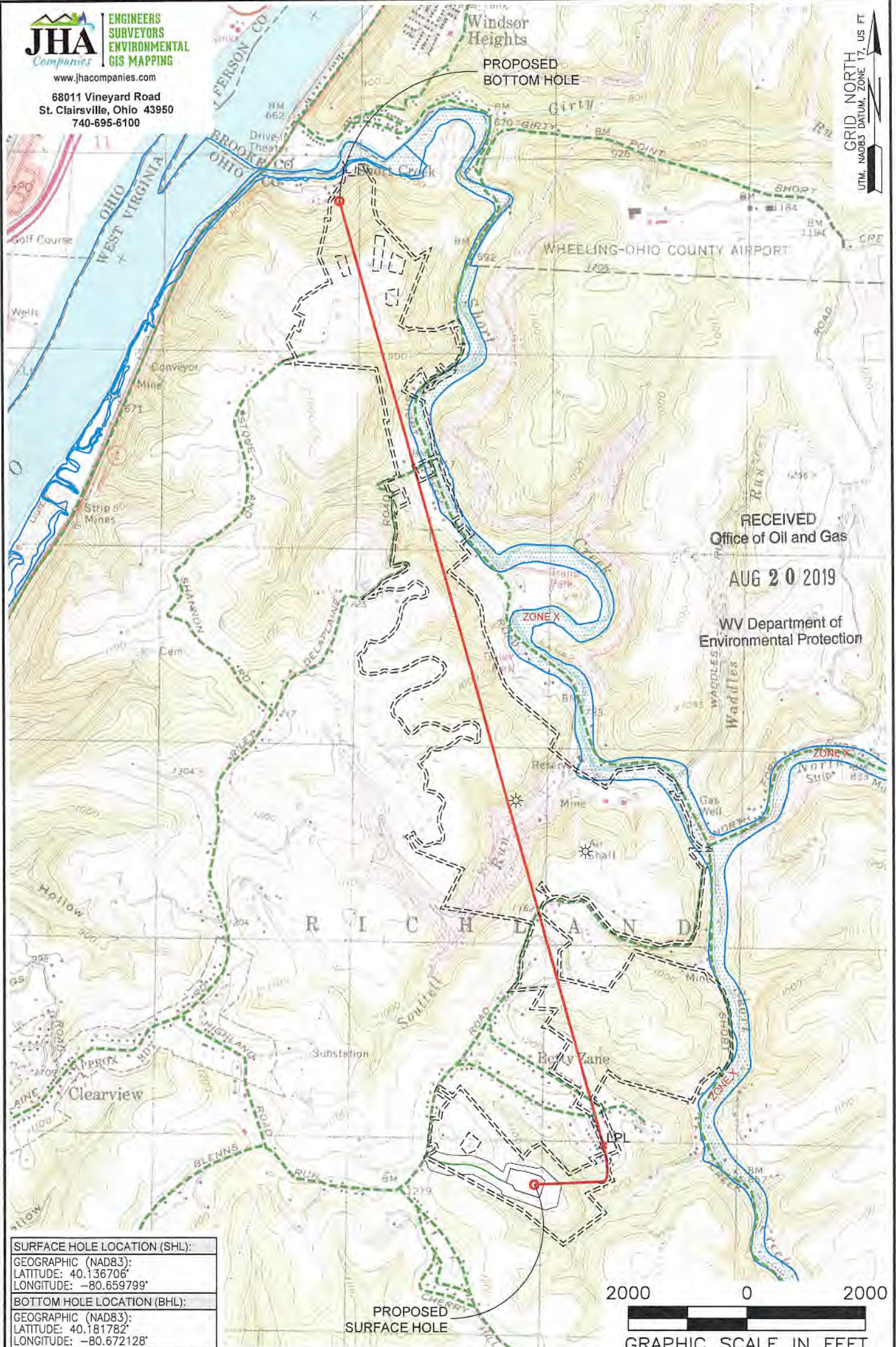
ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	SANDSCREST FOUNDATION, INC	04-R11-15.0
B	TUNNEL RIDGE, LLC	04-RB-62.5
C	TUNNEL RIDGE, LLC	04-RB-62.4
D	TUNNEL RIDGE, LLC	04-RBP-14.0
E	SHIRLEY M. WEAVER	04-RBP-02.0
F	TUNNEL RIDGE, LLC	04-RBP-16.0
G	THE KATHLEEN S. CRAFT FOUNDATION & THE JOSEPH W. CRAFT, III FOUNDATION	04-RB-51.0
H	JOHN M. MCGEE	04-RBP-17.0
I	DONALD P. GAYDA	04-RBP-18.0
J	CHARLES R. BOND	04-RBK-110.0
K	TYLER S. SCHWERTFEGER	04-RBK-111.0
L	TYLER S. SCHWERTFEGER	04-RBK-112.0
M	ELMER K. REED	04-RBK-106.0
N	ELMER K. REED	04-RBK-105.0
O	BERNARD H. BOZENSKE & KIMBERLY J. BOZENSKE	04-RBK-104.0
P	RAY B. & ANN M. WILSON	04-RB-62.7
Q	ERIC DURELL & CHERYL LYNN RICHARDSON	04-RB-62.6
R	DAVID R. & K. MULDREW	04-RBK-101.0
S	DELORA L. TAYLOR	04-RBK-100.0
T	JOHN T. WRIGHT	04-RBP-11.0
U	JACQUELINE M. SUJTON	04-RBQ-10.0
V	AMY D. DAGUE	04-RBQ-11.0
W	KAREN M. WHEELER	04-RBQ-14.0
X	FRANK J. & S.R. TAROVISKY	04-RBQ-28.0
Y	PAULA J. & EDWARD C. TOMASIK	04-RBQ-03.0
Z	PAULA J. & EDWARD C. TOMASIK	04-RBQ-16.0
AA	PAULA J. & EDWARD C. TOMASIK	04-RBQ-27.0
AB	FRANK J. & S.R. TAROVISKY	04-RBQ-28.0
AC	KAREN M. WHEELER	04-RBQ-29.0
AD	ROGER L. MOORE	04-RBQ-30.1
AE	STEVEN M. GORBY	04-RBQ-31.0
AF	BETTY ZANE COMMUNITY ASSOCIATION	04-RBQ-34.0
AG	ELLA JANE CUSTER & DONNA JUNKINS	04-RBL-37.1
AH	ELLA JANE CUSTER & DONNA JUNKINS	04-RBL-37.0
AI	LYLE L. KINNEY	04-RBL-33.0
AJ	MARI R. GESSLER	04-RBL-32.0
AK	PAUL & S.L. MALATINSKY	04-RBL-30.0
AL	DWIGHT H. & HILDA MAE VARNER	04-RBL-29.0
AM	SCOTT A. & JESSICA L. DEPRIEST	04-RBK-30.0

REVISIONS:

COMPANY: SWN Production Company, LLC		DATE: 08-07-2019	
OPERATOR'S: FRANZ THOMAN OHI		API NO: 47-069-XXXX	
WELL #: 47-069-00313 205H		DRAWN BY: D. REED	
DISTRICT: RICHLAND	COUNTY: OHIO	STATE: WV	SCALE: N/A
			DRAWING NO: 2018-781
			WELL LOCATION PLAT

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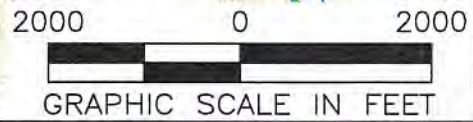
GRID NORTH
UTM, NAD83 DATUM, ZONE 17, US FT



RECEIVED
Office of Oil and Gas
AUG 20 2019
WV Department of
Environmental Protection

SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.136706'
LONGITUDE: -80.659799'

BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.161782'
LONGITUDE: -80.672128'



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
 LANDING POINT LOCATION
 FLOOD PLAIN
 NATURAL WATERWAY
 ACCESS ROAD
 PUBLIC ROAD
 ACCESS ROAD TO PREV. SITE
 LEASE BOUNDARY
 PROPOSED PATH

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	WELL (FARM) NAME: FRANZ THOMAN OHI	WELL # 205H	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: TILTONSVILLE, OH-WV		