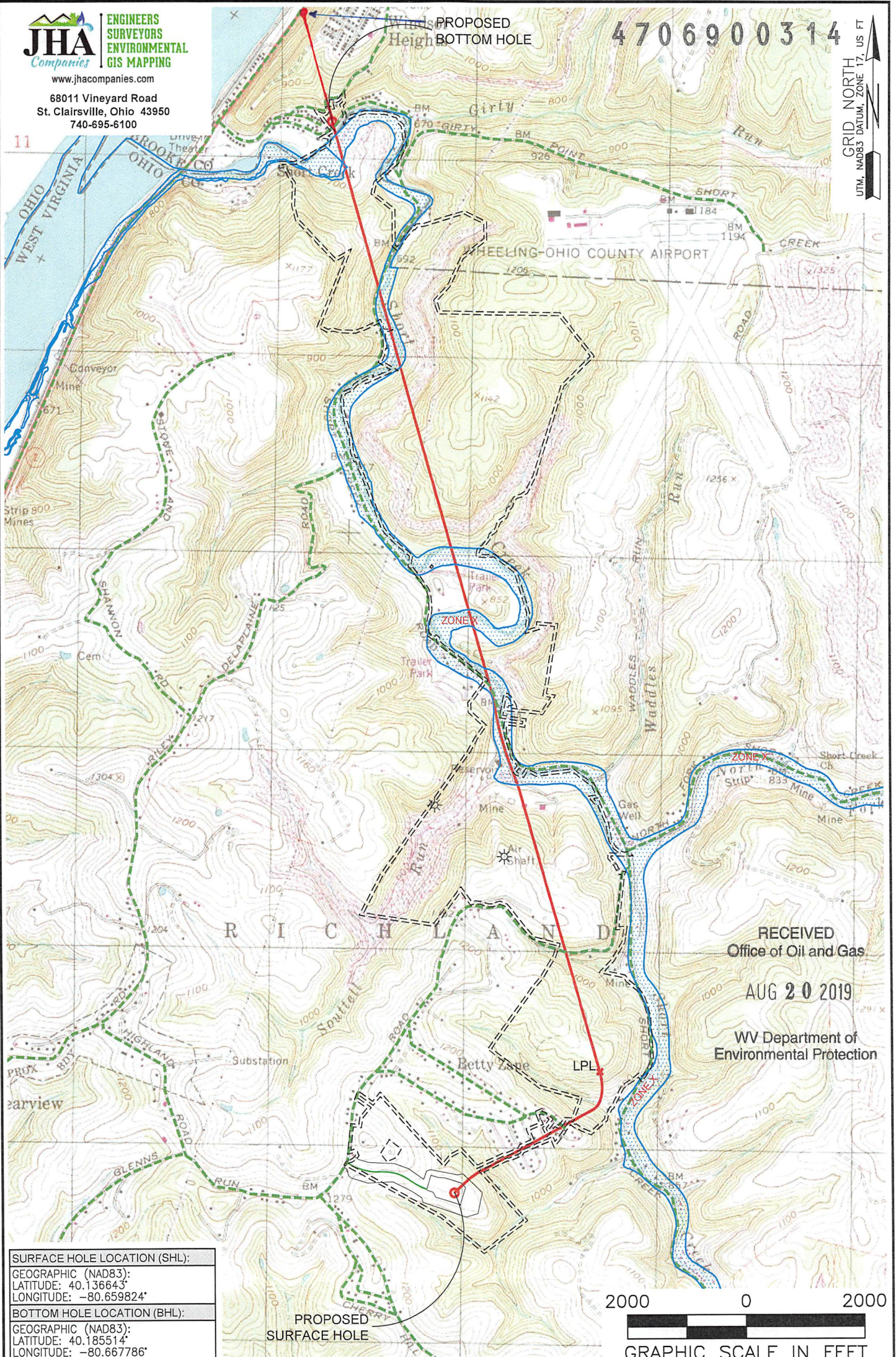


4706900314

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



SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.136643°
LONGITUDE: -80.659824°
BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.185514°
LONGITUDE: -80.667786°

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	NATURAL WATERWAY
EXISTING / PRODUCING WELLHEAD	ACCESS ROAD
LPL X LANDING POINT LOCATION	PUBLIC ROAD
FLOOD PLAIN	ACCESS ROAD TO PREV. SITE
	LEASE BOUNDARY
	PROPOSED PATH

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	WELL (FARM) NAME: FRANZ THOMAN OHI	WELL # 605H	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		

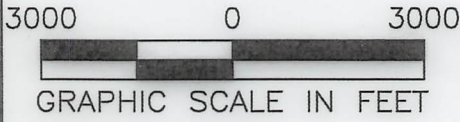
RECEIVED
 Office of Oil and Gas
 AUG 20 2019
 WV Department of
 Environmental Protection

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

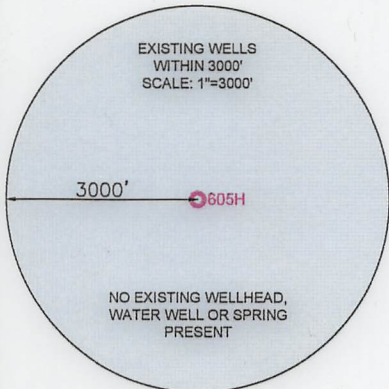
9732'



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



LINE	BEARING	DISTANCE
L1	S56°42'58"E	1144.96'
L2	S79°59'41"E	1403.16'



SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4442978.85 EASTING: 528979.38
LANDING POINT LOCATION (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4443603.55 EASTING: 529720.74
BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4449013.55 EASTING: 528096.94

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 GRADE GPS ELEVATION: (NAVD 88, US FT)

COMPANY: **SWN** Production Company, LLC



FRANZ THOMAN OHI
OPERATOR'S WELL #: 605H
API WELL #: 47 069
STATE COUNTY PERMIT

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

WATERSHED: UPPER OHIO SOUTH
DISTRICT: RICHLAND COUNTY: OHIO
SURFACE OWNER: FRANZ THOMAN
OIL & GAS ROYALTY OWNER: FRANZ THOMAN
ELEVATION: 1,137.5'
QUADRANGLE: TILTONSVILLE, OH-WV
ACREAGE: ±69.418
ACREAGE: ±69.418

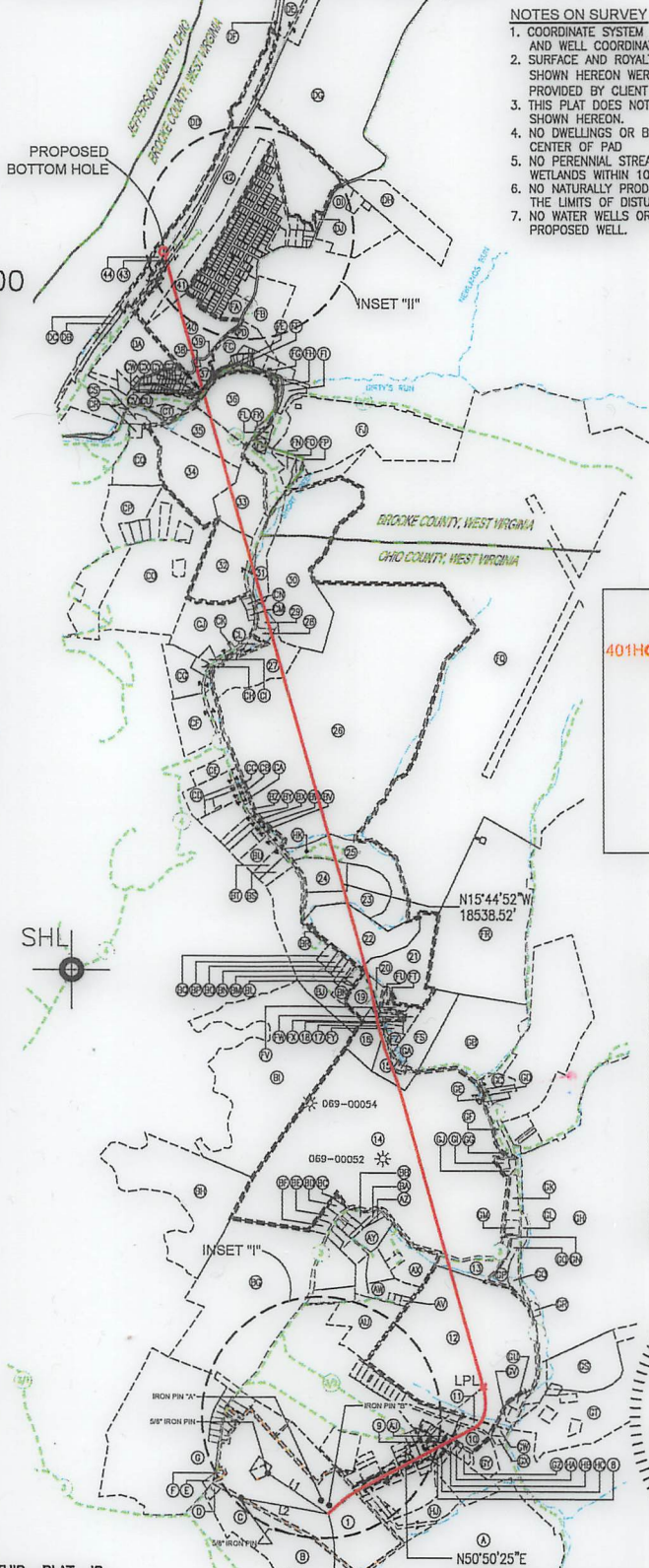
DRILL DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION

CONVERT PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY)
TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 5,881' TVD 25,626' 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

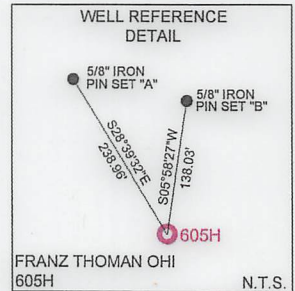
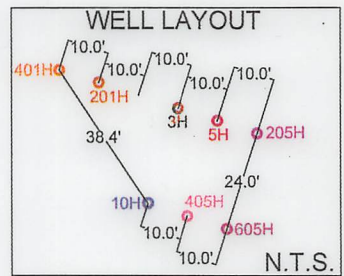
LEGEND: ● PROPOSED SURFACE HOLE / BOTTOM HOLE * EXISTING / PRODUCING WELLHEAD LPL* LANDING POINT LOCATION ⊙ EXISTING WATER WELL ⊙ EXISTING SPRING — NATURAL WATERWAY — SURVEYED BOUNDARY = LEASE BOUNDARY — PROPOSED PATH — PUBLIC ROAD	REVISIONS:	DATE: 10-31-2019 API NO: 47-069-XXXX DRAWN BY: R.GRIMES SCALE: 1" = 3000' DRAWING NO: 2018-781 WELL LOCATION PLAT
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LATITUDE: 40°12'30" BOTTOM HOLE (2000' SCALE)



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.



LONGITUDE: 80°37'30" BOTTOM HOLE (2000' SCALE)

LONGITUDE: 80°37'30" SURFACE HOLE (2000' SCALE)

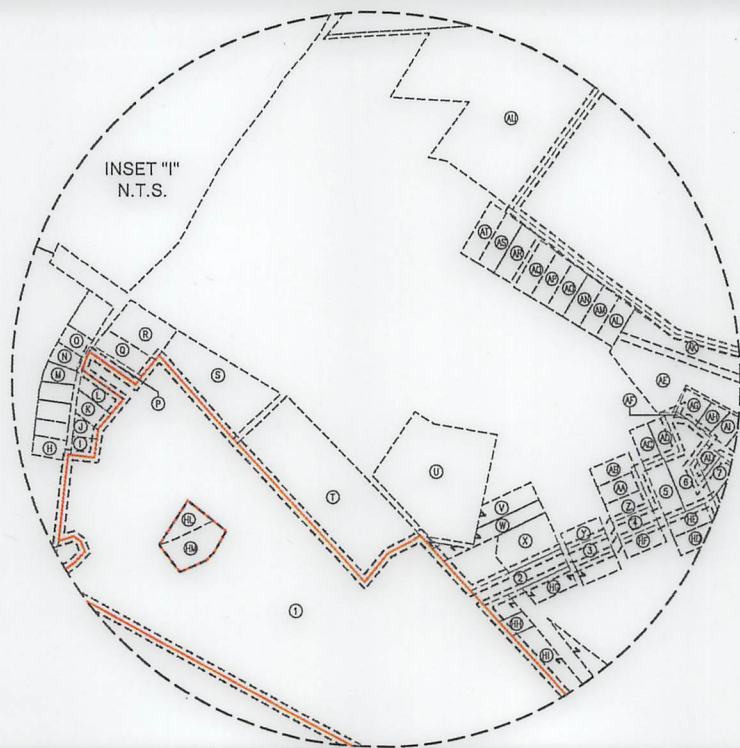
10964'

6317'

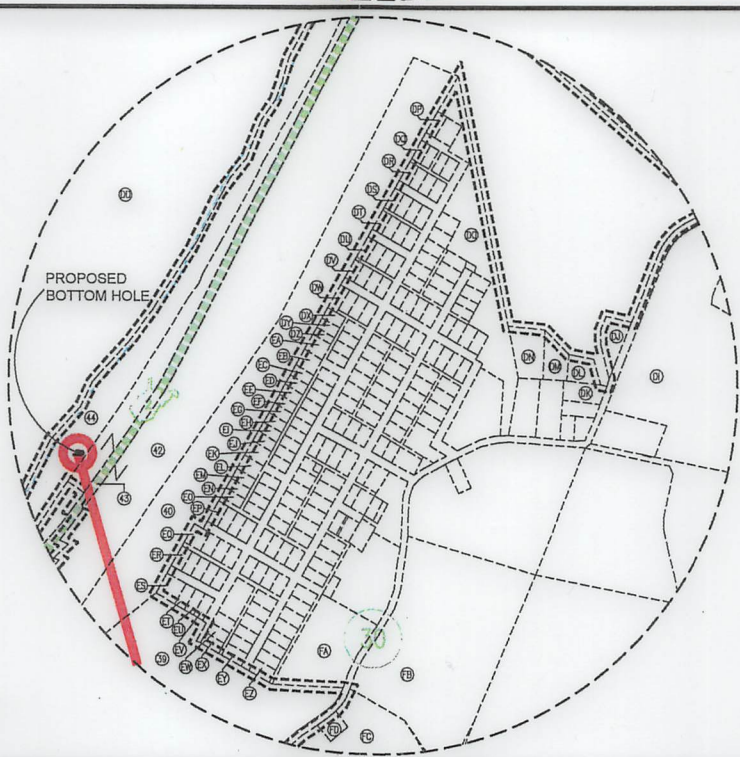
ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
FL	KENNETH D. & BARBARA COVER	03-B46-12.0
FM	HENRY W. ZEIDLER, JUDITH K. ZEIDLER & MARGARET L. BURGGRAF	03-B46-13.0
FN	SYLVIA A. HAWRANICK	04-R2-18.1
FO	RODNEY K. & NEDRA C. MCCONNELL	04-R2-18.2
FP	RODNEY K. & NEDRA C. MCCONNELL	03-B46-14.0
FQ	OHIO COUNTY BOARD OF COMMISSIONERS, AIRPORT AUTHORITY	04-R5-10.0
FR	ANDREW JOHN EVICK	04-R5-49.0
FS	ALLIANCE RESOURCE GROUP, LLC	04-R5-53.0
FT	WINDSOR COAL COMPANY	04-R5-50.7
FU	WINDSOR COAL COMPANY	04-R5-50.6
FV	WINDSOR COAL COMPANY	04-R5-50.5
FW	WINDSOR COAL COMPANY	04-R5-50.3
FX	PATRICIA A. & DAVID F. WOLEN	04-R5-50.2
FY	PATRICIA A. & DAVID F. WOLEN	04-R5-51.0
FZ	ALLIANCE RESOURCE GP, LLC	04-R5-51.1
GA	WHEELING ELECTRIC COMPANY (C/O: AEP)	04-R5-52.1
GB	ANDREW JOHN EVICK	04-R5-54.0
GC	SUSAN L. CAIN	04-R8-08.3
GD	TUNNEL RIDGE, LLC	04-R8-08.2
GE	TUNNEL RIDGE, LLC	04-R8-08.9
GF	OHIO COUNTY COMMISSION	04-R8-08.16
GG	JUDITH K. TYLER	04-R8-08.8
GH	AMERICAN DISPOSAL SERVICES OF WEST VIRGINIA, INC	04-R8-15.0
GI	LOUIS R. HERCULES, SIDNEY HERCULES, YVONNE LOUGH, CONNIE SMITH, LOIS E. HERCULES, DERRICK WAYNE HERCULES, CHARLES W. HERCULES, BRENDA HERCULES, GERTRUDE ETHRIDGE & SONYA CARROLL	04-R8-07.0
GJ	DEBRA S. SHEPHERD	04-R8-15.2
GK	WV DOT, DIVISION OF HIGHWAYS	04-R8-9999-9999
GL	CHARLES M. & MARLEEN M. MILLER	04-R8-15.3
GM	SUZANNE V. STANLEY	04-R8-23.0
GN	MELISSA E. & RALPH L., II FRITTER	04-R8-25.3
GO	MELISSA E. & RALPH L., II FRITTER	04-R8-25.0
GP	TUNNEL RIDGE, LLC	04-R8-26.0
GQ	TUNNEL RIDGE, LLC	04-R8-15.4
GR	TUNNEL RIDGE, LLC	04-R8-27.6
GS	TUNNEL RIDGE, LLC	04-R8-21.2
GT	TUNNEL RIDGE, LLC	04-R8-20.0
GU	SUSAN KOGUT & BRADLEY MCGRATH	04-R8-27.5
GV	MARILYN R. BLAKE	04-R8-27.0
GW	JAMES KEVIN CRUPE, SR.	04-R8L-49.0
GX	JAMES KEVIN CRUPE, SR.	04-R8Q-74.0
GY	JACOB A. VDOVJAK, III	04-R8Q-69.0
GZ	PAUL J. DENARD	04-R8Q-64.0
HA	PAUL J. DENARD	04-R8Q-64.1
HB	MARY T. BERTELLI & ROGER D. BERTELLI	04-R8Q-65.0
HC	GEORGE W. & J.P. HELDEFER	04-R8Q-56.0
HD	DESSIE M. HEDRICK	04-R8Q-46.0
HE	DESSIE M. HEDRICK	04-R8Q-47.0
HF	SUZANNE MOZENA	04-R8Q-40.0
HG	FRANK J. & S.R. TAROVISKY	04-R8Q-28.0
HH	PAULA J. & EDWARD C. TOMASIK	04-R8Q-03.0
HI	RUSSELL E. TERAMANA & ROSEANN L. TERAMANA	04-R8Q-02.0
HJ	RALPH J. & K.L. HUFFMAN	04-R8Q-60.0
HK	OHIO COUNTY PUBLIC SERVICE DISTRICT	04-R5-13.1
HL	KASMIR MAJEWSKI & EDWARD A. MAJEWSKI	04-R8-62.2
HM	KASMIR MAJEWSKI & EDWARD A. MAJEWSKI	04-R8-62.8

REVISIONS:

COMPANY:	SWN Production Company, LLC	SWN ^{R-2-V+0} Production Company™
OPERATOR'S	FRANZ THOMAN OHI	
WELL #:	605H	
DISTRICT:	COUNTY:	STATE:
RICHLAND	OHIO	WV
DATE: 10-31-2019		API NO: 47-069-XXXXX
DRAWN BY: R.GRIMES		SCALE: N/A
DRAWING NO: 2018-781		WELL LOCATION PLAT



INSET "I"



INSET "II"

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., JR. & KAREN M. WHEELER	04-R8Q-14.0
3	JOLLY W., JR. & KAREN M. WHEELER	04-R8Q-29.0
4	SUZANNE MOZENA	04-R8Q-39.0
5	BRYAN H. & MARTHA A. KRUPINSKI	04-R8Q-50.1
6	DANIEL & SUSAN M. MORGAN	04-R8Q-52.0
7	ROBERT L. RICE, SR. (L/E), MICHAEL A. RICE, ROBERT L. RICE, JR. & JAMIE L. HENDERSON (REMAINDER)	04-R8Q-54.0
8	PATRICIA CATLETT	04-R8Q-55.0
9	BRIAN N. BARBE	04-R8Q-66.0
10	JACOB A. VDOVJAK, III	04-R8Q-68.0
11	WAYNE D. & MARY R. THOMAS	04-R8L-41.0
12	TUNNEL RIDGE, LLC	04-R8-27.7
13	TUNNEL RIDGE, LLC	04-R8-76.0
14	THE KATHLEEN S. CRAFT FOUNDATION & THE JOSEPH W. CRAFT, III FOUNDATION	04-R8-06.0
15	THE KATHLEEN S. CRAFT FOUNDATION & THE JOSEPH W. CRAFT, III FOUNDATION	04-R5-52.0
16	THE KATHLEEN S. CRAFT FOUNDATION & THE JOSEPH W. CRAFT, III FOUNDATION	04-R5-45.6
17	WV DOT, DIVISION OF HIGHWAYS	SHORT CREEK RD
18	WINDSOR COAL COMPANY	04-R5-50.4
19	TUNNEL RIDGE, LLC	04-R5-45.8

TRACT	SURFACE OWNER	TAX PARCEL
20	2014 SABO FAMILY IRREVOCABLE TRUST, JEFFREY C. SABO, TERRI M. PIETRO, LISA I. CLINE & DOUGLAS A. SABO (TRUSTEES)	04-R5-45.14
21	WINDSOR COAL COMPANY	04-R5-50.0
22	JOHN W. METZ	04-R5-46.0
23	JEFFREY R. JOHNSON & CAROLYN L. CLUTTER	04-R5-47.0
24	HOWARD & LESLEY PRINCE	04-R5-48.0
25	BURNT MILLS ACRES, LLC (C/O: MARK FOSTER)	04-R5-13.0
26	S.E.W. TRUST; SHANE E. WOLOSCHAN, TRUSTEE	04-R5-09.0
27	ROBERT KUBOVICZ (C/O: UNITED ELECTRIC)	04-R5-08.0
28	ANNA L. YANCHAK (L/E), RUSSELL WAYNE MELCHING (REMAINDER)	04-R5-08.1
29	JOHN E. & EDITH R. HARWATT	04-R5-08.2
30	RODNEY K. & NEDRA C. MCCONNELL	04-R2-20.0
31	RODNEY K. & NEDRA C. MCCONNELL	04-R2-9999-9999
32	GUY D. & LORI R. DONZELLA	04-R2-19.0
33	SYLVIA A. HAWRANICK	04-R2-18.0
34	PAMELA CHILES & RYAN CHILES	04-R2-16.0
35	PAMELA CHILES & RYAN CHILES	04-R2-17.2
36	HENRY W. ZEIDLER	04-R2-17.0
37	MANUEL MARKOS, PAUL MARKOS, DEBORAH MCDANIEL-MCDONALD	03-B45D-62.0
38	H3, LLC	03-B45D-63.0
39	STATE OF WEST VIRGINIA, DEPARTMENT OF HIGHWAYS	WINDY HILL ROAD
40	WINDSOR COAL COMPANY	08-W41N-85.0
41	WINDSOR HEIGHTS IMPROVEMENT CO.	08-W41J-01.0
42	WINDSOR POWERHOUSE COAL COMPANY	03-B41-21.0
43	STATE OF WEST VIRGINIA, DEPARTMENT OF HIGHWAYS	STATE ROUTE 2
44	WINDSOR POWERHOUSE COAL COMPANY	01-BB41-05.0

REVISIONS:

COMPANY:			DATE: 10-31-2019
OPERATOR'S	FRANZ THOMAN OHI		API NO: 47-069-XXXX
WELL #:	605H		DRAWN BY: R.GRIMES
DISTRICT:	COUNTY:	STATE:	SCALE: N/A
RICHLAND	OHIO	WV	DRAWING NO: 2018-781
			WELL LOCATION PLAT