

LATITUDE: 40°10'00" SURFACE HOLE (2000' SCALE) | 7431' | 3083' | 2928'

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

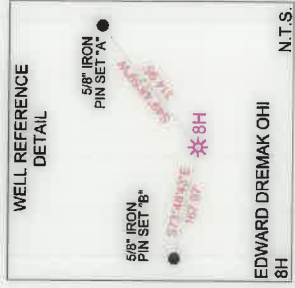
LONGITUDE: 80°37'30" SURFACE HOLE (2000' SCALE) | 1380' | 2928'

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

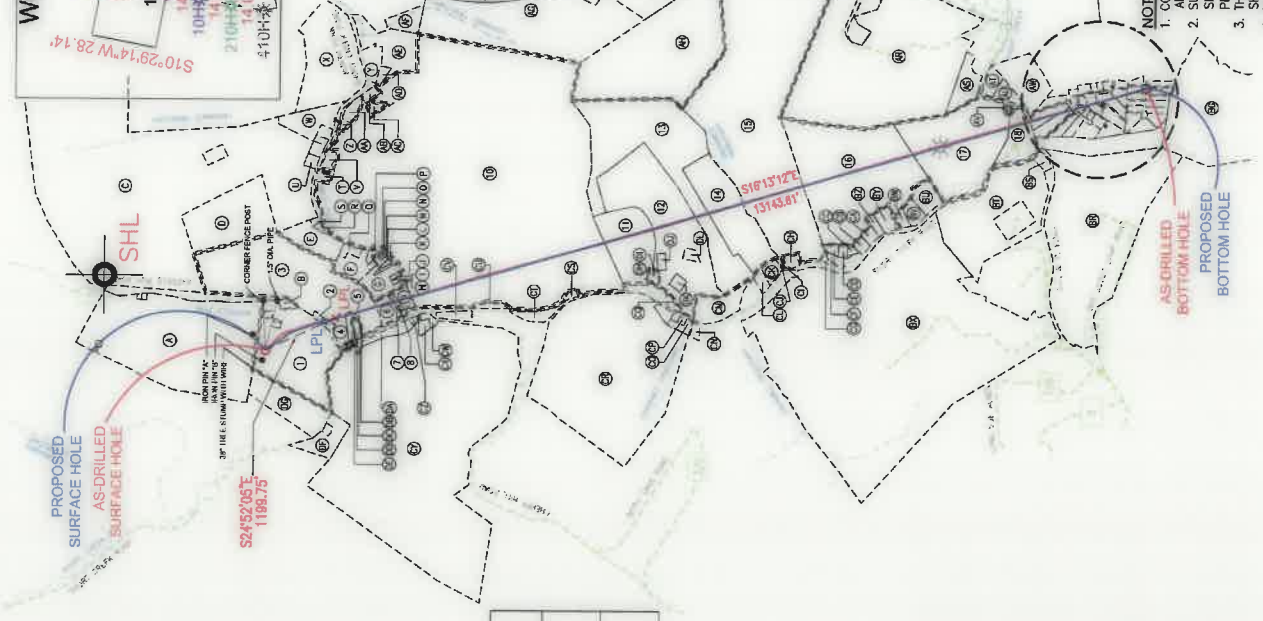
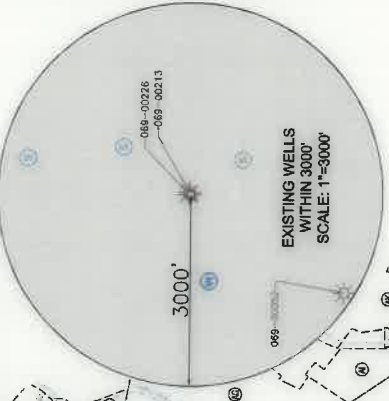
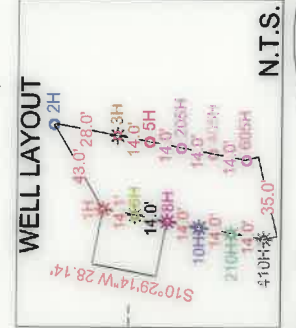
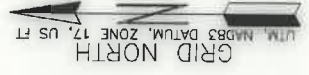
JHA
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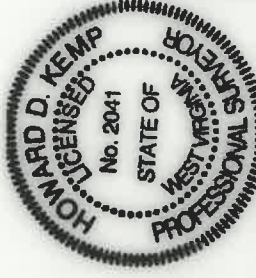
68011 Vineyard Road
St. Clairsville, Ohio 43950
740-695-6100



LINE	BEARING	DISTANCE
L1	S87°13'20"W	771.52'
L2	N76°50'10"W	793.86'



- 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 SURFACE HOLE.
 - NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE HOLE'S DISTURBANCE.
 - NO NATURALLY OCCURRING FRESH WATER STREAM WITHIN 500 FEET OF THE LIMITS OF DISTURBANCE.
 - NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.



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.

Handwritten: 4/15/20

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

OPERATOR'S WELL #: EDWARD DREMAK OHI 8H
API WELL #: 47 069 00317
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY: 1/200
PROVEN SURVEY SOURCE OF GRADE GPS
ELEVATION: (NAVD 88, US FT)

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
WVDEP OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25034

WELL TYPE: OIL WASTE DISPOSAL PRODUCTION DEEP GAS LIQUID INJECTION STORAGE SHALLOW
WATERSHED: UPPER OHIO SOUTH
DISTRICT: RICHLAND
SURFACE OWNER: ANDREW JOHN EMICK
OIL & GAS ROYALTY OWNER: EDWARD W. & JOANNE V. DREMAK
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
ELEVATION: 1,087.9'
QUADRANGLE: TILTONSVILLE, OH-WV & WHEELING, WV
ACREAGE: ±34.19
ACREAGE: ±34.19
ESTIMATED DEPTH: 5,926' TVD 19,483' TMD

DESIGNATED AGENT: BRITTANY WOODY
ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201
CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

LEGEND:

- EXISTING BOTTOM HOLE
- EXISTING / PRODUCING WELLHEAD
- EXISTING LANDING POINT LOCATION
- PROPOSED SURFACE HOLE / BOTTOM HOLE
- PROPOSED LANDING POINT LOCATION
- ACCESS ROAD
- PUBLIC ROAD
- FLOOD PLAN
- LEASE BOUNDARY
- ASDRILLED PATH
- PROPOSED PATH

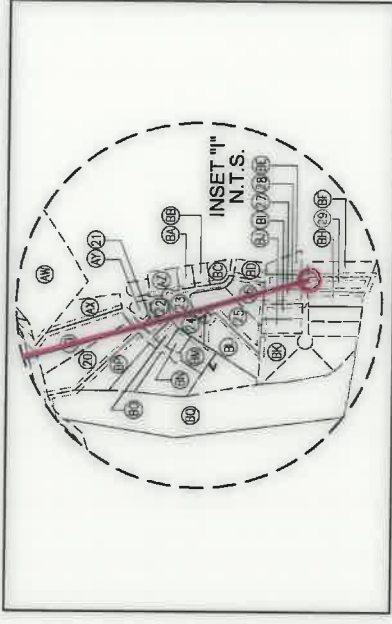
REVISIONS:

DATE: 04-08-2020
API NO: 47-069-00317
DRAWN BY: R. GRIMES
SCALE: 1" = 3000'
DRAWING NO: 2018-284
WELL LOCATION PLAT

WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS		TAX PARCEL
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	ANDREW JOHN EVICK (S) EDWARD W. & JOANNE V. DREMAK (R)	04-R5-54.0
SURFACE OWNER		
2	TUNNEL RIDGE, LLC	04-R8-08.18
3	WINDSOR POWER COAL COMPANY	04-R8-08.1
4	SUSAN L. CAIN	04-R8-08.3
5	TUNNEL RIDGE, LLC	04-R8-08.2
6	GORDON E. & DEBORAH P. DREMAK	04-R8-08.15
7	SAM L., JR. & AMY M. PELLEN	04-R8-08.7
8	SAM L., JR. & AMY M. PELLEN	04-R8-08.5
9	SAM L., JR. & AMY M. PELLEN	04-R8-08.0
10	AMERICAN DISPOSAL SERVICES OF WEST VIRGINIA, INC	04-R8-15.0
11	TUNNEL RIDGE, LLC	04-R8-21.2
12	TUNNEL RIDGE, LLC	04-R8-20.0
13	TUNNEL RIDGE, LLC	04-R8-22.0
14	TUNNEL RIDGE, LLC	04-R8-22.1
15	TUNNEL RIDGE, LLC	04-R8-61.4
16	TUNNEL RIDGE, LLC	04-R12-01.3
17	HOWARD L. & BETTY M. SHACKELFORD RELYKS, LLC	04-R11-35.2 04-R11-35.3
18		
19	BRIAN M. & KELLY J. PAPE	04-R12E-16.0
20	TIMOTHY & DEBRA LEWTON	04-R12E-15.0
21	SHANE T. & MICHELLE L. STACK	04-R12E-10.0
22	SHANE & MICHELLE STACK	04-R12J-38.14
23	ANDREW COHEN & PEGGY COHEN	04-R12J-38.0
24	THE PATRICIA M. CLINGENPEL REVOCABLE TRUST	04-R12J-38.10
25	JASON J. & AMANDA K. WADE	04-R12J-38.11
26	GREGORY R. GANTZER	04-R12J-38.6
27	JAMES C. PREECE & CHERI ARAGON	04-R12J-19.0
28	PAUL H. & ROSEMARY E. DIMMEY	04-R12J-20.0
29	THOMAS J. CONTI & NANCY J. CONTI, REVOCABLE TRUST DATED DECEMBER 21, 2015	04-R12J-10.0

ADJOINING OWNERS TABLE		TAX PARCEL
TRACT	SURFACE OWNER	TAX PARCEL
A	ANDREW JOHN EVICK, SINGLE	04-R5-49.0
B	ANDREW JOHN EVICK, SINGLE	04-R5-54.1
C	OHIO COUNTY BOARD OF COMMISSIONERS	04-R5-55.0
D	OHIO COUNTY BOARD OF COMMISSIONERS	04-R5-10.0
E	AMERICAN DISPOSAL SERVICES OF WEST VIRGINIA, INC	04-R5-56.0
F	RODNEY SNYDER	04-R8-13.0
G	ARTHUR ENNIS, PEGGY CLARK & ALMA SINCAVICH	04-R8-09.0
H	MICHAEL W. DAVIS	04-R8-09.1
I	EUNICE MAE DAVIS	04-R8-09.3
J	EUNICE MAE DAVIS, BRYAN EVERETT DAVIS & CHARLOTTE DAVIS TOOTHMAN	04-R8-09.2
K	JOYCE ANN FARLEY	04-R8-10.1
L	JOYCE ANN FARLEY	04-R8-10.2
M	BETTY L. SNYDER (C/O: PAULA MCGEE)	04-R8-10.0
N	MARK D. MATTHIAS	04-R8-11.1
O	MARK D. MATTHIAS	04-R8-11.0
P	RHONDA J. ROBBINS	04-R8-13.2
Q	RICKIE SNYDER	04-R8-14.0
R	AMERICAN DISPOSAL SERVICES OF WEST VIRGINIA, INC	04-R5-56.2
S	AMERICAN DISPOSAL SERVICES OF WEST VIRGINIA, INC	04-R5-56.1
T	LUTHER R., II & DEBORAH F. SMITH	04-R8-16.1
U	LISA NUZUM HAWORTH (F.K.A. LISA NUZUM GADD)	04-R5-55.3
V	DELBERT E. & CAROL L. HUFFMAN	04-R8-16.2
W	SHORT CREEK CEMETERY ASSOCIATION, TRUSTEES	04-R5-57.0
X	MARC SEMON	04-R6-37.1
Y	WV DOT, DIVISION OF HIGHWAYS	04-R8-00.0
Z	DELBERT E. HUFFMAN, JR.	04-R8-18.4
AA	LUTHER R. SMITH, JR.	04-R8-18.3
AB	LUTHER R. SMITH, JR.	04-R8-18.1
AC	JOHN E. HARWAT	04-R8-18.2
AD	LUTHER R. SMITH, JR.	04-R9-14.4
AE	JAMES W. PERRY, JOHN C. PERRY, JOSEPH P. PERRY & LEWIS A. PERRY	04-R9-14.2
AF	JAMES W. PERRY, JOHN C. PERRY, JOSEPH P. PERRY & LEWIS A. PERRY	04-R9-14.1
AG	JORDAN & GAYLE WEBER	04-R9-09.0
AH	AMERICAN DISPOSAL SERVICES OF WEST VIRGINIA, INC	04-R8-61.0
AI	LEWIS R. & ROSEANN F. HOPKINS	04-R9-05.0
AJ	WILLIAM ISAAC KNIGHT & MEREDITH SERTICH	04-R9-03.7
AK	LADONNA MARTIN-EVANS	04-R9-03.5
AL	BETH ANNE KENNEDY	04-R9-03.4
AM	RCK 2 GROUP	04-R9-01.0
AN	WILLIAM H. & CAROL L. REUTHER	04-R9-02.0
AO	BRADFORD & MANNETTA HARTLEY	04-R9-01.3
AP	GREGORY TAGGART	04-R9-50.0
AQ	DOMINIC J. & SHERIE D. COTTRELL	04-R12-19.30
AR	ELIAS JOSEPH	04-R12-01.0
AS	MARY ANN BURKHART, DAVID J. MILLER & VIRGINIA A. MILLER	04-R12-02.0
AT	STEPHANIE CIPRIANI	04-R12-06.2
AU	ROBERT J. & CANDISE S. CHALALANO	04-R12-06.1
AV	RAMONA G. THARP	04-R11-35.0

ADJOINING OWNERS TABLE		TAX PARCEL
TRACT	SURFACE OWNER	TAX PARCEL
AW	LARRY C. BOWMAN & ET AL	04-R12-06.0
AX	RONALD A. & TRACIE L. THOMAS	04-R12E-17.0
AY	THOMAS & DAUNA MOORE	04-R12E-09.0
AZ	AMY LYNN MURRAY	04-R12J-38.12
BA	FRANCIS & ROSE MARY BUTCH	04-R12J-38.8
BB	FRANCIS & ROSE MARY BUTCH	04-R12J-38.9
BC	KIMBERLY BUTCH (A.K.A. KIMBERLY MAZUR)	04-R12J-38.4
BD	DANIEL C. & NANCY M. DUNMEYER	04-R12J-38.1
BE	BIMA M. MYERS	04-R12J-21.0
BF	JORDAN K. VILLANI	04-R12J-09.0
BG	OGLEBAY FOUNDATION, INC	04-R12-10.2
BH	DANIEL W. HOPKINS	04-R12J-11.0
BI	JOSEPH W. MURPHY	04-R12J-18.0
BJ	JOHN W. CARENBAUER & PAMELA RUTHERFORD	04-R12J-17.0
BK	NABIEL ALKHOURI & NESRIN KRISTIN ALKHOURI	04-R12J-16.0
BL	GREGORY R. GANTZER	04-R12J-38.7
BM	HOWARD L. REID & PAMELA L. REID	04-R12J-36.0
BN	LINDSEY NOTTINGHAM	04-R12J-35.0
BO	THE PATRICIA M. CLINGENPEL REVOCABLE TRUST	04-R12J-38.3
BP	MARC A. POTTER	04-R12E-14.0
BO	BOY SCOUTS COUNCIL OF AMERICA, OHIO RIVER VALLEY COUNCIL	04-R11-40.0
BR	BOY SCOUTS COUNCIL OF AMERICA, HUROQUOIS	04-R11-36.0
BS	RUTH J. DEAN	04-R11-36.1
BT	CHRISTOPHER P. & CHERYL D. RILEY	04-R11-33.0
BU	JAMES V. & EDITH M. STANTON	04-R11-34.0
BV	JAMES & EDITH STANTON	04-R11-34.1
BW	JAMES V. & EDITH M. STANTON	04-R11-34.4
BX	SANDSCREST FOUNDATION, INC	04-R11-15.0
BY	TUNNEL RIDGE, LLC	04-R11-34.13
BZ	TUNNEL RIDGE, LLC	04-R11-34.9
CA	TUNNEL RIDGE, LLC	04-R11-34.1
CB	TUNNEL RIDGE, LLC	04-R11-34.2
CC	TUNNEL RIDGE, LLC	04-R11-34.5
CD	TUNNEL RIDGE, LLC	04-R11-34.6
CE	TUNNEL RIDGE, LLC	04-R11-34.3
CF	TUNNEL RIDGE, LLC	04-R11-34.12
CG	TUNNEL RIDGE, LLC	04-R8-61.2
CH	TUNNEL RIDGE, LLC	04-R8-61.1
CI	TUNNEL RIDGE, LLC	04-R8-74.0
CJ	TUNNEL RIDGE, LLC	04-R8-60.1
CK	TUNNEL RIDGE, LLC	04-R8-59.0
CL	TUNNEL RIDGE, LLC	04-R8-60.0
CM	KENDRA L. & RALPH J. HUFFMAN	04-R8-55.0
CN	JAMES KEVIN CRUPE, SR.	04-R8L-49.0
CO	MARILYN R. BLAKE	04-R8-27.0
CP	MARILYN L. BLAKE	04-R8-27.2
CQ	TUNNEL RIDGE, LLC	04-R8-21.1
CR	TUNNEL RIDGE, LLC	04-R8-27.7
CS	TUNNEL RIDGE, LLC	04-R8-27.6
CT	TUNNEL RIDGE, LLC	04-R8-15.4
CU	CHARLES M. & MARLEEN M. MILLER	04-R8-15.3
CV	WV DOT, DIVISION OF HIGHWAYS	04-R8-0
CW	DEBRA S. SHEPHERD	04-R8-15.2
CX	LOUIS R. HERCULES & ET AL	04-R8-07.0
CY	THE KATHLEEN S. CRAFT FOUNDATION & THE JOSEPH W. CRAFT III FOUNDATION	04-R8-08.8
CA	JUDITH K. TYLER	04-R8-08.16
DA	OHIO COUNTY COMMISSION	04-R8-08.17
DB	TUNNEL RIDGE, LLC	04-R8-08.9
DC	TUNNEL RIDGE, LLC	04-R8-08.9
DD	TUNNEL RIDGE, LLC	04-R8-08.14
DE	TUNNEL RIDGE, LLC	04-R8-08.6
DF	THE KATHLEEN S. CRAFT FOUNDATION & THE JOSEPH W. CRAFT III FOUNDATION	04-R5-52.0
DG	THE KATHLEEN S. CRAFT FOUNDATION & THE JOSEPH W. CRAFT III FOUNDATION	04-R5-53.0
DH	TUNNEL RIDGE, LLC	04-R8-20.5
DI	TUNNEL RIDGE, LLC	04-R8-20.2
DJ	TUNNEL RIDGE, LLC	04-R8-20.4
DK	TUNNEL RIDGE, LLC	04-R8-20.3
DL	TUNNEL RIDGE, LLC	04-R8-20.1



REVISIONS:

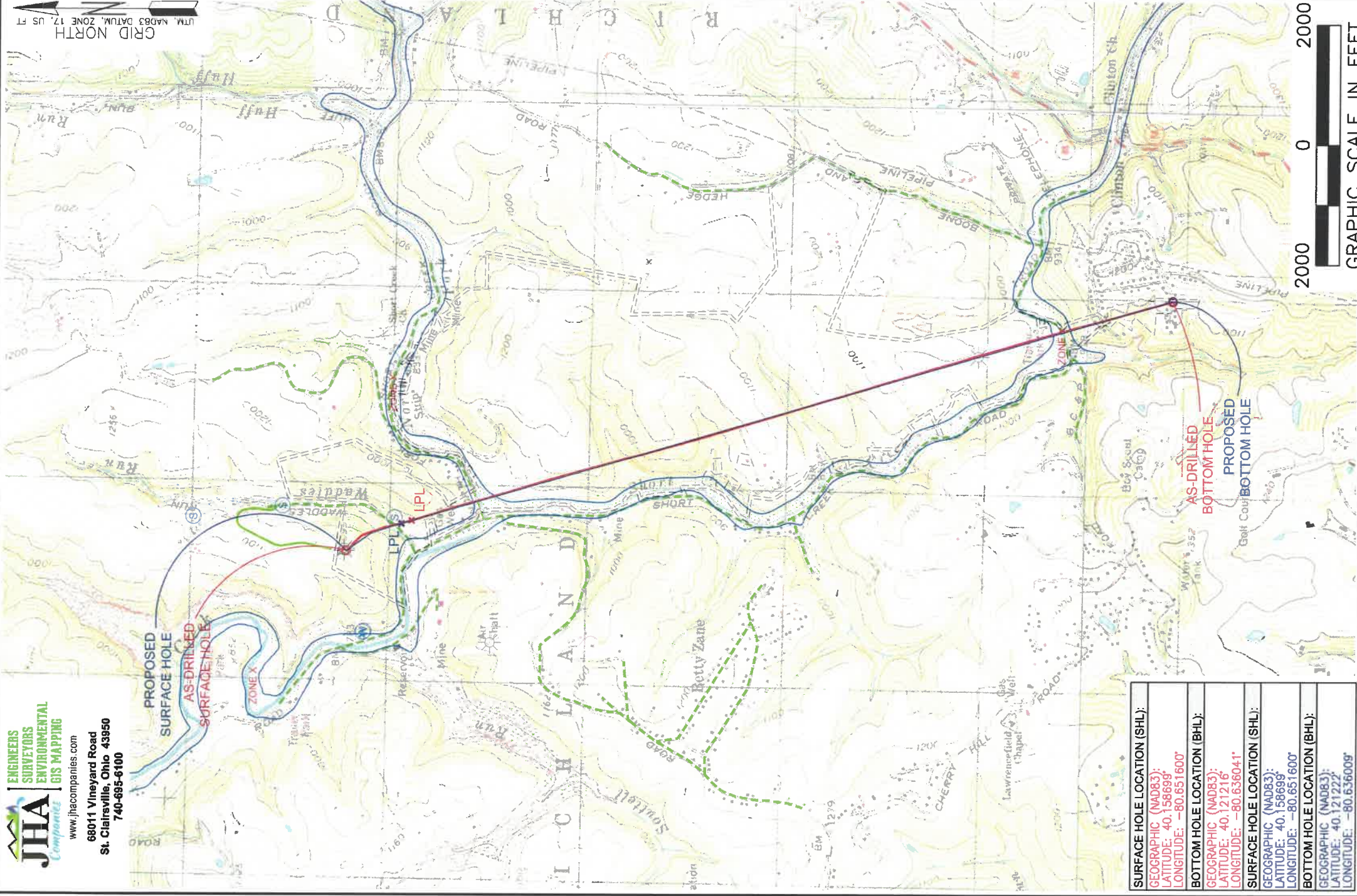
COMPANY: SWN Production Company, LLC		DATE: 04-08-2020	
OPERATOR'S: EDWARD DREMAK OHI		API NO: 47-069-00317	
WELL #: 8H		DRAWN BY: R. GRIMES	
DISTRICT: RICHLAND		SCALE: N/A	
COUNTY: OHIO		DRAWING NO: 2018-284	
		WELL LOCATION PLAT	
		STATE: WV	





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

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



SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.158698°
LONGITUDE: -80.651600°
BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.121216°
LONGITUDE: -80.636041°
SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.158698°
LONGITUDE: -80.651600°
BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.121222°
LONGITUDE: -80.636009°

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

LEGEND:

- EXISTING BOTTOM HOLE
- ⊗ EXISTING / PRODUCING WELL-HEAD
- 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

WELL OPERATOR:	WELL (FARM) NAME:	WELL #	SERIAL #
SWN PRODUCTION COMPANY, LLC	EDWARD DREMAK OHI	8H	XXXX
ADDRESS:	COUNTY:	CODE:	DISTRICT:
1300 FORT PIERPONT DRIVE, SUITE 201, MORGANTOWN, WV 26508	OHIO	069	RICHLAND
SURFACE OWNER:	USGS 7 1/2 QUADRANGLE MAP NAME:		
ANDREW JOHN EVICK	TILTONSVILLE, OH-WV & WHEELING, WV		
	API #	COMPLETION ID	
	47-069-00317	2501168692	
		PAD ID 3001168600	