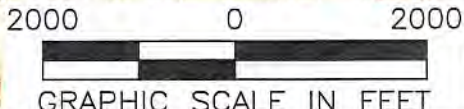


<b>SURFACE HOLE LOCATION (SHL):</b>
GEOGRAPHIC (NAD83):
LATITUDE: 40.158661°
LONGITUDE: -80.651609°
<b>BOTTOM HOLE LOCATION (BHL):</b>
GEOGRAPHIC (NAD83):
LATITUDE: 40.118059°
LONGITUDE: -80.631244°



**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
- ACCESS ROAD TO PREV. SITE
- LEASE BOUNDARY
- PROPOSED PATH

<b>WELL OPERATOR:</b> SWN PRODUCTION COMPANY, LLC	<b>WELL (FARM) NAME:</b> EDWARD DREMAK 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>API #</b> 47-069-XXXX
<b>SURFACE OWNER:</b> ANDREW JOHN EVICK	<b>USGS 7 1/2 QUADRANGLE MAP NAME:</b> TILTONSVILLE, OH-WV & WHEELING, WV			

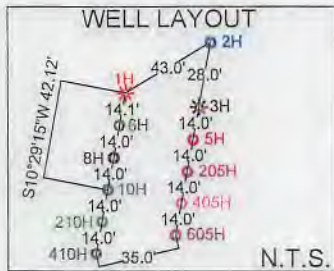
LATITUDE: 40°10'00" SURFACE HOLE (2000' SCALE) ← 7433' →

LATITUDE: 40°07'30" BOTTOM HOLE (2000' SCALE) ← 1741' →

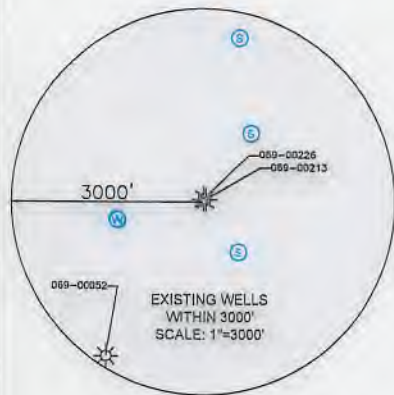


www.jhacompanies.com

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



LINE	BEARING	DISTANCE
L1	S86°12'57\"/>	
L2	N77°50'41\"/>	



<b>SURFACE HOLE LOCATION (SHL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4445425.47 EASTING: 529669.65
<b>LANDING POINT LOCATION (LPL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4445207.75 EASTING: 530049.52
<b>BOTTOM HOLE LOCATION (BHL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4440925.93 EASTING: 531422.65

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* **SWN** *Production Company™*

EDWARD DREMAK OHI  
OPERATOR'S WELL #: 10H  
API WELL #: **47** **069** **00318**  
STATE COUNTY PERMIT

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

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1,087.8'

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

SURFACE OWNER: ANDREW JOHN EVICK ACREAGE: ±34.19

OIL & GAS ROYALTY OWNER: EDWARD W. & JOANNE V. DREMAK ACREAGE: ±34.19

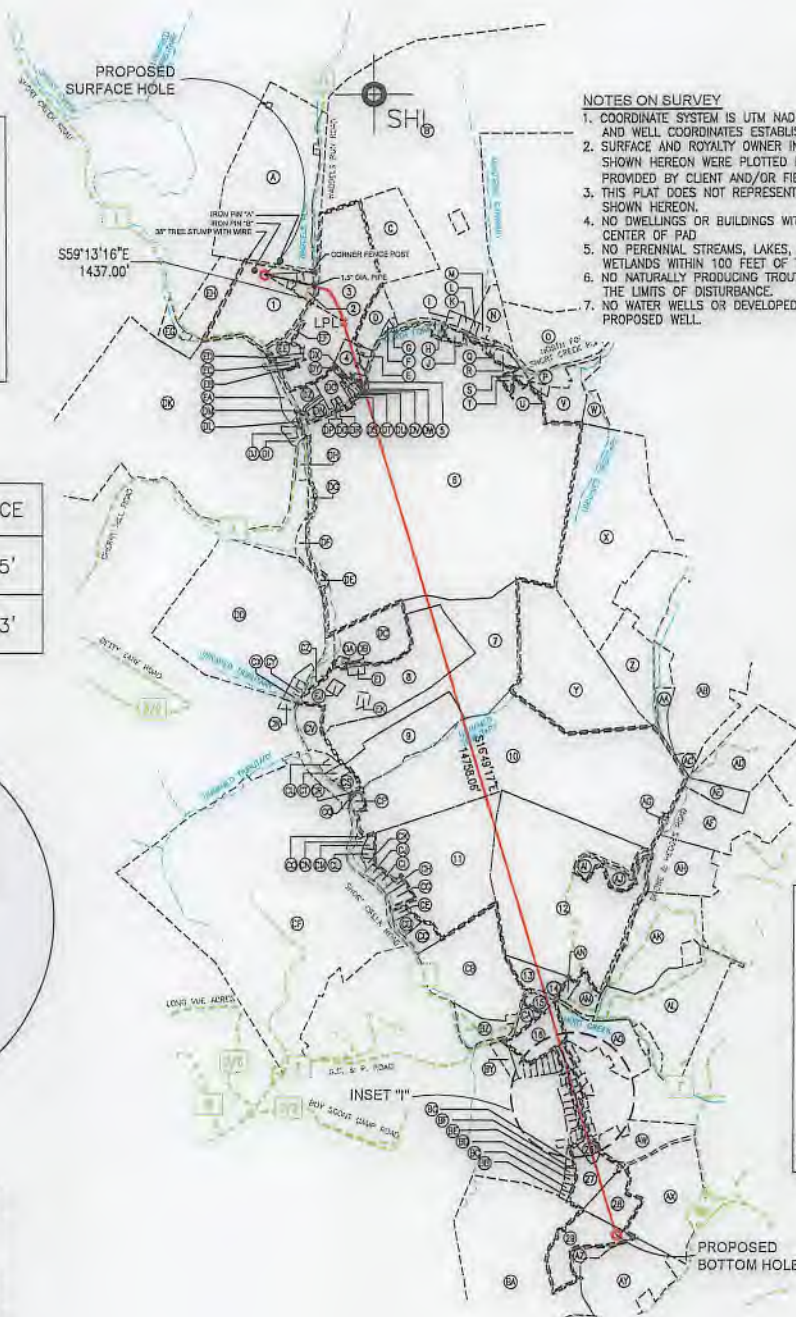
DRILL  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION

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

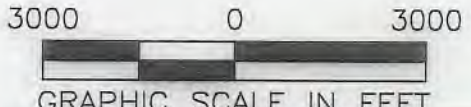
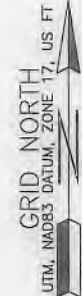
TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 5,938' TVD 21,021' TMD

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

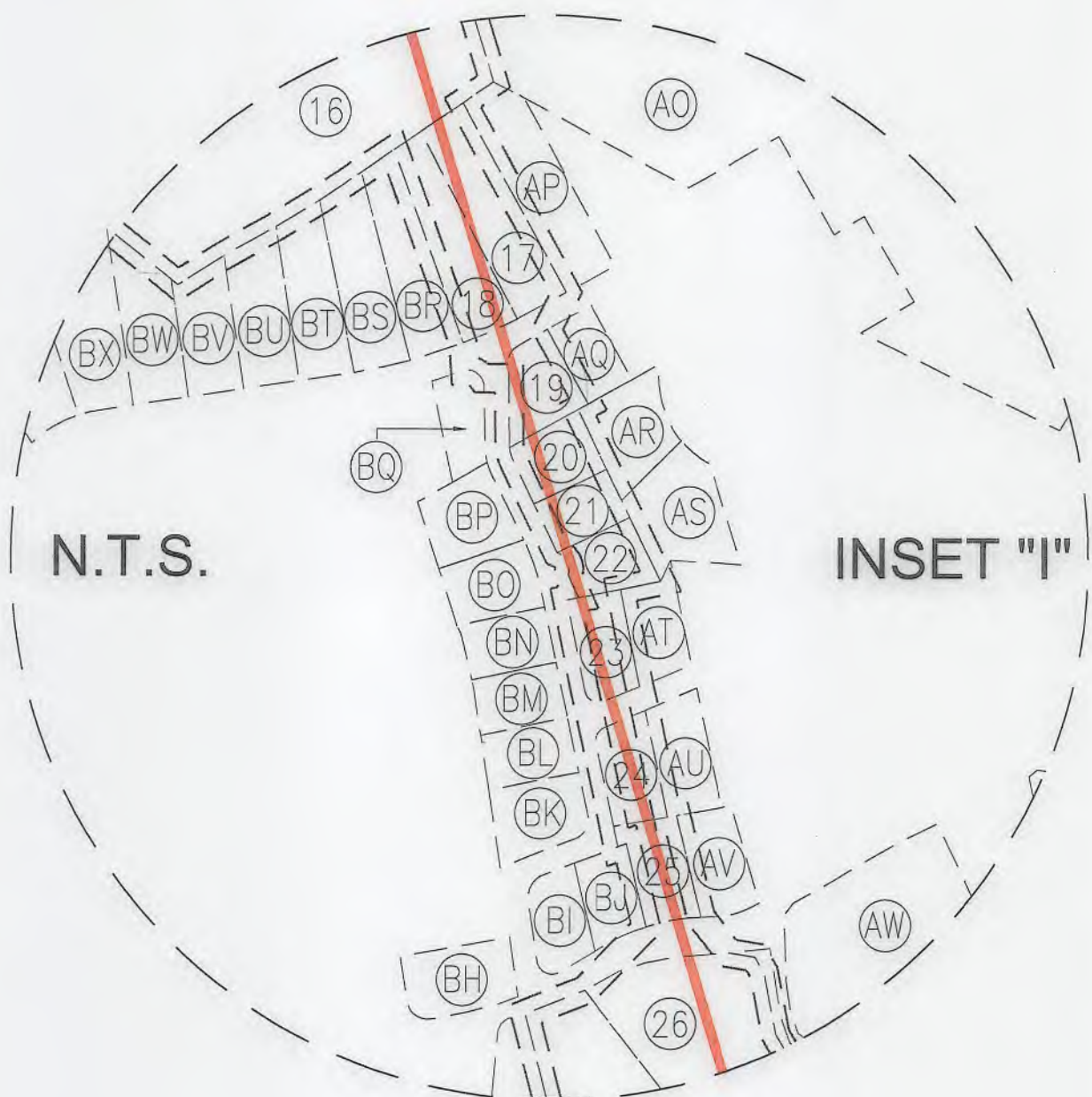
<b>LEGEND:</b> ● PROPOSED SURFACE HOLE / BOTTOM HOLE * EXISTING / PRODUCING WELLHEAD LPL LANDING POINT LOCATION ⊙ EXISTING WATER WELL ⊙ EXISTING SPRING	— NATURAL WATERWAY — SURVEYED BOUNDARY = LEASE BOUNDARY — PROPOSED PATH — PUBLIC ROAD	<b>REVISIONS:</b>	DATE: 07-26-2019 API NO: 47-069-XXXX DRAWN BY: D. REED SCALE: 1" = 3000' DRAWING NO: 2018-284 WELL LOCATION PLAT
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- 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) | 2529' |  
LONGITUDE: 80°37'30" SURFACE HOLE (2000' SCALE) | 2942' |



WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	ANDREW JOHN EVICK (S)/EDWARD W. & JOANNE V. DREMAK (R)	04-R5-54.0
TRACT	SURFACE OWNER	TAX PARCEL
2	ANDREW JOHN EVICK, SINGLE	04-R5-54.1
3	WINDSOR POWER COAL COMPANY	04-R8-08.1
4	RODNEY SNYDER	04-R8-13.0
5	RHONDA J. ROBBINS	04-R8-13.2
6	AMERICAN DISPOSAL SERVICES OF WEST VIRGINIA, INC	04-R8-15.0
7	TUNNEL RIDGE, LLC	04-R8-22.0
8	TUNNEL RIDGE, LLC	04-R8-20.0
9	TUNNEL RIDGE, LLC	04-R8-22.1
10	TUNNEL RIDGE, LLC	04-R8-61.4
11	TUNNEL RIDGE, LLC	04-R12-01.3
12	JOSEPH ELIAS	04-R12-01.0
13	MARY ANN & DAVID J., JR. BURKHART & VIRGINIA A. MILLER	04-R12-02.0
14	DAVID J., JR. & VIRGINIA ANN MILLER	04-R12-03.0
15	STEPHANIE CIPRIANI	04-R12-06.2
16	LARRY C. BOWMAN & ET AL	04-R12-06.0
17	MARK R. & DIANNA STAHL	04-R12E-23.16
18	CLARENCE G. & CLARA E. WILTZ	04-R12E-23.17
19	ALEXANDER A. & DARLENE J. PALUCH	04-R12E-23.1
20	RALPH H. CRAIG	04-R12E-23.9
21	ROBERT M. DRURY & AUDRA E. DRURY	04-R12E-23.10
22	DEBORAH JANICE BIPPUS	04-R12E-23.6
23	MARK J. & HELEN SKYPACK	04-R12J-43.4
24	GARY I. & H. CHERYL GWYNN	04-R12J-43.6
25	WILLIAM G. & EMILY S. FISHER	04-R12J-43.9
26	DANIEL E. STEINIGER & BRENDA K. DUFFY	04-R12J-41.0
27	FRANK A. & KATHLEEN E. JACKSON	04-R12J-40.0
28	MICHAEL F., IV & MARISSA DUPLAGA	04-R12J-46.0
29	WEST RENTALS, INC	04-R12-10.16

REVISIONS:


COMPANY:					
OPERATOR'S		EDWARD DREMAK OHI		DATE: 07-26-2019	
WELL #:		47-069-00318 10H		API NO: 47-069-XXXXX	
DISTRICT:		RICHLAND		DRAWN BY: D. REED	
COUNTY:		OHIO		SCALE: N/A	
STATE:		WV		DRAWING NO: 2018-284	
WELL LOCATION PLAT					

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	ANDREW JOHN EVICK	04-R5-49.0
B	OHIO COUNTY BOARD OF COMMISSIONERS	04-R5-55.0
C	OHIO COUNTY BOARD OF COMMISSIONERS	04-R5-10.0
D	AMERICAN DISPOSAL SERVICES OF WEST VIRGINIA, INC	04-R5-56.0
E	RICKIE SNYDER	04-R8-14.0
F	AMERICAN DISPOSAL SERVICES OF WEST VIRGINIA, INC	04-R5-56.2
G	AMERICAN DISPOSAL SERVICES OF WEST VIRGINIA, INC	04-R5-56.1
H	LUTHER R., II & DEBORAH F. SMITH	04-R8-16.1
I	LISA NUZUM HAWORTH (F.K.A. LISA NUZUM GADD)	04-R5-55.3
J	DELBERT E. & CAROL L. HUFFMAN	04-R8-16.2
K	ERIC W. & LISA N. GADD	04-R5-55.1
L	ROBERT L. & GWENDOLYN NOVAK	04-R5-59.0
M	SHORT CREEK METHODIST CHURCH	04-R5-60.0
N	SHORT CREEK CEMETERY ASSOCIATION, TRUSTEES	04-R5-57.0
O	MARC SEANON	04-R6-37.1
P	WV DOT, DIVISION OF HIGHWAYS	04-R8-00.0
Q	DELBERT E. HUFFMAN, JR.	04-R8-18.4
R	LUTHER R. SMITH, JR.	04-R8-18.3
S	LUTHER R. SMITH, JR.	04-R8-18.1
T	JOHN E. HARWATT	04-R8-18.2
U	LUTHER R. SMITH, JR.	04-R9-14.4
V	JAMES W. PERRY, JOHN C. PERRY, JOSEPH P. PERRY & LEWIS A. PERRY	04-R9-14.2
W	JAMES W. PERRY, JOHN C. PERRY, JOSEPH P. PERRY & LEWIS A. PERRY	04-R9-14.1
X	JORDAN & GAYLE WEBER	04-R9-08.0
Y	AMERICAN DISPOSAL SERVICES OF WEST VIRGINIA, INC	04-R8-61.0
Z	LEWIS R. & ROSEANN F. HOPKINS	04-R9-05.0
AA	WILLIAM ISAC KNIGHT & MEREDITH SERTICH	04-R9-03.7
AB	LADONNA MARTIN-EVANS	04-R9-03.5
AC	BETH ANNE KENNEDY	04-R9-03.4
AD	ROCK 2 GROUP	04-R9-01.0
AE	WILLIAM H. & CAROL L. REUTHER	04-R9-02.0
AF	BRADFORD & NANNETTA HARTLEY	04-R9-01.3
AG	GREGORY TAGGART	04-R9-50.0
AH	DOMINIC J. & SHERRIE D. COTTRELL	04-R12-19.30
AI	ROBERT C. & PATRICIA L. KOTA	04-R12-01.2
AJ	MARK & LAURA DAWSON	04-R12-01.1
AK	ROBERT E. JONES LIVING TRUST	04-R12-18.0
AL	MICHAEL THOMAS & MICHELLE LYNN RATCLIFFE	04-R12-23.15
AM	RELYKS, LLC	04-R12-05.0
AN	MARY ANN ARMSTRONG (F.K.A. MARY ANN BURKHART)	04-R12-04.0
AO	SEAN P. & KATIE M. SMITH	04-R12E-23.29
AP	STEVEN M. & LORI J. MCGLUMPHY	04-R12E-23.13
AQ	PATRICIA LOU HENDERSON	04-R12E-23.12
AR	JOSEPH & NELLIE PARRIOTT	04-R12E-23.26
AS	JOSEPH D. & NELLIE B. PARIOTT	04-R12E-24.0
AT	DIANE L. & TIMOTHY M., JR. MILLER	04-R12J-43.8
AU	SEAN P. REGAN & RIKKI M. JAVARONE	04-R12J-43.17
AV	ANN E. REAM	04-R12J-43.3
AW	MICHAEL S. & SHEILA M. LITTLE	04-R12-13.0
AX	MULL W. QUAY, II TRUST	04-R12-12.0
AY	MULL W. QUAY, II TRUST	04-R12-10.14
AZ	MULL W. QUAY, II TRUST	04-R12-10.17
BA	OGLEBAY FOUNDATION, INC	04-R12-10.2
BB	ZACHARY & CARLI HETRICK	04-R12J-40.5
BC	ZACHARY & CARLI HETRICK	04-R12J-40.2
BD	DOUGLAS E. & KATHY JUDE	04-R12J-40.4
BE	LOUIS J. & DIANE Y. PASTORIA	04-R12J-40.3
BF	KENNETH A., II & MARIAH M. BURNLEY	04-R12J-40.1
BG	KENNETH A., II & MARIAH M. BURNLEY	04-R12J-39.0
BH	BROOKE A. & SUSAN L. GARRISON	04-R12J-25.0
BI	ALBERT M., JR. & BRENDA S. VALENTINE	04-R12J-43.13
BJ	THOMAS E. & SHERRY L. ROXBY	04-R12J-43.10
BK	JOHN P. MCCULLOUGH	04-R12J-43.1
BL	BRIAN T. & ELIZABETH J. BURRIS	04-R12J-43.7
BM	JESSICA E. MYER	04-R12J-43.12
BN	MICHAEL T. & HEATHER A. WAYT	04-R12J-43.11
BO	ADRIENNE P. KLOUSE	04-R12E-23.11
BP	HOWARD F., JR. & HEIDI A. WATKINS	04-R12E-23.8
BQ	MICHAEL D. & MONICA L. CALVERT	04-R12E-23.2
BR	THOMAS A. & BARBARA R. KIZIMINSKI	04-R12E-23.4

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
BS	DAVID L. & TERESA A. CYBULSKI	04-R12E-22.0
BT	MELINDA F. GIUSTINIANI	04-R12E-21.0
BU	JASON C. & STEPHANIE M. ROMANEK	04-R12E-20.0
BV	JON W. LETZKUS	04-R12E-19.0
BW	DAVID A. & KRISTEN M. FRYE	04-R12E-18.0
BX	RONALD A. & TRACIE L. THOMAS	04-R12E-17.0
BY	JOHNATHAN A. & MARY T. ALMEIDA	04-R12E-16.0
BZ	RELYKS, INC	04-R11-35.3
CA	ROBERT J. & CANDISE S. CATALANO	04-R12-06.1
CB	HOWARD L. & BETTY M. SHACKELFORD	04-R11-35.2
CC	JAMES V. & EDITH M. STANTON	04-R11-34.0
CD	JAMES & EDITH STANTON	04-R11-34.11
CE	JAMES V. & EDITH M. STANTON	04-R11-34.4
CF	SANDSCREST FOUNDATION, INC	04-R11-15.0
CG	TUNNEL RIDGE, LLC	04-R11-34.13
CH	TUNNEL RIDGE, LLC	04-R11-34.9
CI	TUNNEL RIDGE, LLC	04-R11-34.1
CJ	TUNNEL RIDGE, LLC	04-R11-34.2
CK	TUNNEL RIDGE, LLC	04-R11-34.5
CL	TUNNEL RIDGE, LLC	04-R11-34.6
CM	TUNNEL RIDGE, LLC	04-R11-34.3
CN	TUNNEL RIDGE, LLC	04-R11-34.12
CO	TUNNEL RIDGE, LLC	04-R8-61.2
CP	TUNNEL RIDGE, LLC	04-R8-61.1
CQ	TUNNEL RIDGE, LLC	04-R8-74.0
CR	TUNNEL RIDGE, LLC	04-R8-60.1
CS	TUNNEL RIDGE, LLC	04-R8-59.0
CT	TUNNEL RIDGE, LLC	04-R8-60.0
CU	TUNNEL RIDGE, LLC	04-R8-58.0
CV	KENDRA L. & RALPH J. HUFFMAN	04-R8-55.0
CW	JAMES KEVIN CRUPE, SR.	04-R8L-49.0
CX	MARILYN R. BLAKE	04-R8-27.0
CY	MARILYN L. BLAKE	04-R8-27.2
CZ	TUNNEL RIDGE, LLC	04-R8-21.1
DA	TUNNEL RIDGE, LLC	04-R8-20.5
DB	TUNNEL RIDGE, LLC	04-R8-20.2
DC	TUNNEL RIDGE, LLC	04-R8-21.2
DD	TUNNEL RIDGE, LLC	04-R8-27.7
DE	TUNNEL RIDGE, LLC	04-R8-27.6
DF	TUNNEL RIDGE, LLC	04-R8-15.4
DG	CHARLES M. & MARLEEN M. MILLER	04-R8-15.3
DH	XXXXX	04-R8-DOH
DI	DEBRA S. SHEPHERD	04-R8-15.2
DJ	LOUIS R. HERCULES & ET AL	04-R8-07.0
DK	THE KATHLEEN S. CRAFT FOUNDATION & THE JOSEPH W. CRAFT III FOUNDATION	04-R8-08.0
DL	JUDITH K. TYLER	04-R8-08.8
DM	SAM L., JR. & AMY M. PELLEN	04-R8-08.7
DN	SAM L., JR. & AMY M. PELLEN	04-R8-08.0
DO	ARTHUR ENNIS, PEGGY CLARK & ALMA SINCAVICH	04-R8-09.0
DP	MICHAEL W. DAVIS	04-R8-09.1
DQ	EUNICE MAE DAVIS	04-R8-09.3
DR	EUNICE MAE DAVIS, BRYAN EVERETT DAVIS & CHARLOTTE DAVIS TOOTHMAN	04-R8-09.2
DS	JOYCE ANN FARLEY	04-R8-10.1
DT	JOYCE ANN FARLEY	04-R8-10.2
DU	BETTY L. SNYDER (C/O: PAULA MCGEE)	04-R8-10.0
DV	MARK D. MATTHIAS	04-R8-11.1
DW	MARK D. MATTHIAS	04-R8-11.0
DX	DONALD L. DAVIS (C/O: JEFFREY MCGEE)	04-R8-10.4
DY	JEFFREY A. & PAULA JO MCGEE	04-R8-10.5
DZ	GORDON E. & DEBORAH P. DREMAK	04-R8-08.15
EA	OHIO COUNTY COMMISSION	04-R8-08.16
EB	TUNNEL RIDGE, LLC	04-R8-08.17
EC	TUNNEL RIDGE, LLC	04-R8-08.14
ED	TUNNEL RIDGE, LLC	04-R8-08.2
EE	SUSAN L. CAIN	04-R8-08.3
EF	TUNNEL RIDGE, LLC	04-R8-08.18
EG	THE KATHLEEN S. CRAFT FOUNDATION & THE JOSEPH W. CRAFT III FOUNDATION	04-R5-52.0
EH	THE KATHLEEN S. CRAFT FOUNDATION & THE JOSEPH W. CRAFT III FOUNDATION	04-R5-53.0
EI	TUNNEL RIDGE, LLC	04-R8-20.4
EJ	TUNNEL RIDGE, LLC	04-R8-20.3
EK	TUNNEL RIDGE, LLC	04-R8-20.1

REVISIONS:

COMPANY:

**SWN**  
Production Company, LLC

**SWN** <sup>REVISED</sup>  
Production Company™

OPERATOR'S EDWARD DREMAK OHI  
WELL #: **41-061-0031F** 10H

DATE: 07-26-2019  
API NO: 47-069-XXXX  
DRAWN BY: D. REED  
SCALE: N/A  
DRAWING NO: 2018-284  
WELL LOCATION PLAT

DISTRICT:  
RICHLAND

COUNTY:  
OHIO

STATE:  
WV