

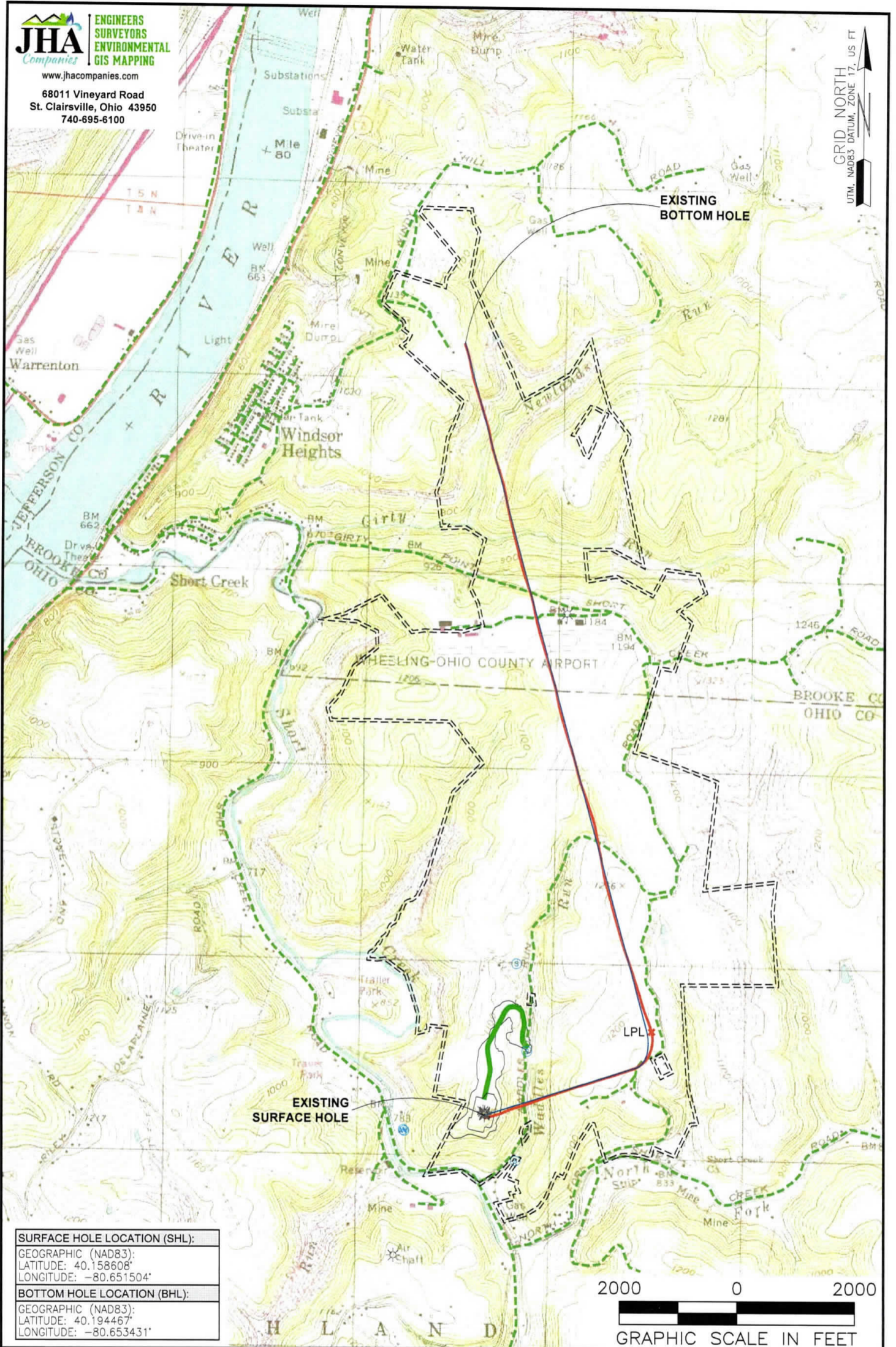


**ENGINEERS  
SURVEYORS  
ENVIRONMENTAL  
GIS MAPPING**

www.jhacompanies.com

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

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



<b>SURFACE HOLE LOCATION (SHL):</b>
GEOGRAPHIC (NAD83):
LATITUDE: 40.158608°
LONGITUDE: -80.651504°
<b>BOTTOM HOLE LOCATION (BHL):</b>
GEOGRAPHIC (NAD83):
LATITUDE: 40.194467°
LONGITUDE: -80.653431°

**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
- ACCESS ROAD
- PUBLIC ROAD
- ACCESS ROAD TO PREV. SITE
- LEASE BOUNDARY
- PROPOSED PATH
- ASDRILLED PATH
- FLOOD PLAIN

<b>WELL OPERATOR:</b> SWN PRODUCTION COMPANY, LLC	<b>WELL (FARM) NAME:</b> EDWARD DREMAK OHI	<b>WELL #</b> 605H	<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>SURFACE OWNER:</b> ANDREW JOHN EVICK	<b>USGS 7 1/2 QUADRANGLE MAP NAME:</b> TILTONSVILLE, OH		

(2,000' SCALE) BOTTOM HOLE LATITUDE: 40°12'30"

7893'

(2,000' SCALE) SURFACE HOLE LATITUDE: 40°10'00"

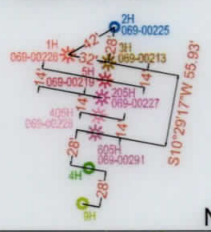
7353'



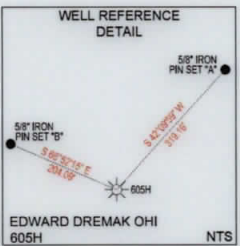
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WELL LAYOUT



NTS



NTS

NOTES ON SURVEY

1. COORDINATE SYSTEM IS UTM NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
2. 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.
3. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
4. NO DWELLINGS OR BUILDINGS WITHIN 625 FEET OF PROPOSED CENTER OF PAD
5. NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
6. NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF THE LIMITS OF DISTURBANCE.
7. NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.

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

2940'

80°37'30"

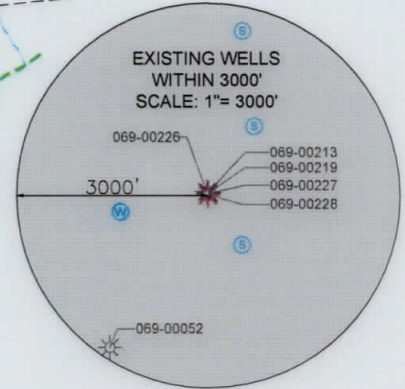
80°37'30"

(2,000' SCALE) SURFACE HOLE LONGITUDE: -80°37'30"

(2,000' SCALE) BOTTOM HOLE LONGITUDE: -80°37'30"

<b>SURFACE HOLE LOCATION (SHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4445419.65 EASTING: 529678.56
<b>LANDING POINT LOCATION (LPL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4445867.79 EASTING: 530537.88
<b>BOTTOM HOLE LOCATION (BHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4449399.07 EASTING: 529498.99
<b>SURFACE HOLE LOCATION (SHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4445419.65 EASTING: 529678.56
<b>LANDING POINT LOCATION (LPL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4445877.90 EASTING: 530511.00
<b>BOTTOM HOLE LOCATION (BHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4449404.94 EASTING: 529499.63

LINE	BEARING	DISTANCE
L1	S84°34'17"W	747.59'
L2	N78°49'42"W	761.05'



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 *Handwritten signature and date 3/25/19*

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

	(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS	MINIMUM DEGREE OF ACCURACY: 1/200	OPERATOR'S WELL #: EDWARD DREMAK OHI 605H
	WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034	PROVEN SURVEY SOURCE OF GRADE GPS ELEVATION: (NAVD 88, US FT)	API WELL #: <b>47</b> STATE <b>069</b> COUNTY <b>00291</b> PERMIT

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

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1,087.5'

DISTRICT: RICHLAND COUNTY: OHIO QUADRANGLE: TILTONSVILLE, OH

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) **AS-DRILLED**

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 5,816' TVD 19,174' 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>	<b>REVISIONS:</b>	<b>DATE:</b> 03-28-2019
PROPOSED SURFACE HOLE / BOTTOM HOLE		API NO: 47-069-00291
EXISTING / PRODUCING WELLHEAD	SURVEYED BOUNDARY	DRAWN BY: D. REED
LANDING POINT LOCATION	LEASE BOUNDARY	SCALE: 1" = 3000'
EXISTING WATER WELL	ASDRILLED PATH	DRAWING NO: 2018-284
EXISTING SPRING	PROPOSED PATH	WELL LOCATION PLAT

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
TRACT	SURFACE OWNER	TAX PARCEL
2	ANDREW JOHN EVICK	04-R5-49
3	WINDSOR POWER COAL COMPANY	04-R8-8.1
4	THE BOARD OF COMMISSIONERS OF THE COUNTY OF OHIO	04-R5-10
5	THE BOARD OF COMMISSIONERS OF THE COUNTY OF OHIO	04-R5-55
6	BARRY L. & PATRICIA A. GREATHOUSE	03-B41-0083.0000
7	BARRY L. & PATRICIA A. GREATHOUSE	03-B41-0032.0000
8	CHARLES D. BELL TESTAMENTARY TRUST, CHARLES W. BELL, BETTY BELL WILLIAMS, PEGGY BELL HRACH, MEGAN CALDWELL, SCOTT CALDWELL & CHAD CALDWELL	03-B41-0031.0000
9	ROSEMARY KINDER MOORE	03-B41-0035.0000

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	ALLIANCE RESOURCE GP, LLC	04-R8-6
B	ALLIANCE RESOURCE GP, LLC	04-R5-52
C	ALLIANCE RESOURCE GP, LLC	04-R5-53
D	WINDSOR COAL COMPANY, LLC	04-R5-50
E	JOHN W. METZ	04-R5-46
F	BURNT MILL ACRES, LLC	04-R5-13
G	S.E.W. TRUST	04-R5-9
H	BRUCE D. BONAR	04-R2-20
I	HENRY W. ZEIDLER, JUDITH K. ZEIDLER & MARGARET L. BURGGRAF	03-B46-0015.0000
J	BARRY L. & PATRICIA A. GREATHOUSE	03-B46-0018.0000
K	LAWRENCE R. & ROSEMARY KINDER (SURVIVOR)	03-B41-0021.0004
L	ROSEMARY KINDER MOORE	03-B41-0030.0000
M	LAWRENCE R. & ROSEMARY K. MOORE (SURVIVOR)	03-B41-0033.0000
N	LAWRENCE & ROSEMARY MOORE	03-B41-0034.0000
O	WINDSOR POWER HOUSE COAL COMPANY	03-B41-0005.0000
P	MICHAEL A. & LINDA S. WOLEN (SURVIVOR)	03-B41-0036.0000
Q	DONNA MARIE PEREZ	03-B41-0037.0000
R	RAY PAUL NICOLAN	03-B41-0042.0000
S	ROBERT J., JR. & LINDA MILLER	03-B41-0047.0000
T	BARRY L. & PATRICIA A. GREATHOUSE (SURVIVOR)	03-B41-0082.0000
U	BARRY L. & PATRICIA A. GREATHOUSE	03-B46-0019.0000
V	STACY ANN & PATRICIA ANN GREATHOUSE (SURVIVOR)	03-B46-0041.0000
W	DANNY GENE & VIRGINIA MARGARET BRITT (SURVIVOR)	03-B46-0027.0000
X	TRACY GILBERT	03-B46-0022.0001
Y	BRUCE D. BONAR (2) & WILLIAM BONAR (1)	03-B46-0020.0000
Z	MARC SEAMON	04-R6-2
AA	SHORT CREEK COAL COMPANY (C/O RAYLE COAL COMPANY)	04-R6-17.3
AB	SHORT CREEK COAL COMPANY (C/O RAYLE COAL COMPANY)	04-R6-17
AC	MARC SEAMON	04-R6-37
AD	SHORT CREEK CEMETERY ASSOCIATION, TRUSTEES	04-R5-57
AE	SHORT CREEK METHODIST CHURCH	04-R5-60
AF	ROBERT L. & GWENDOLYN NOVAK	04-R5-59
AG	ERIC W. & LISA N. GADD	04-R5-55.1
AH	ERIC W. & LISA N. GADD	04-R5-55.3
AI	DELBERT E. & CAROL L. HUFFMAN	04-R8-16.2
AJ	LUTHER R., II & D.F. SMITH	04-R8-16.1
AK	AMERICAN DISPOSAL SERVICES OF WEST VIRGINIA, INC	04-R8-15
AL	ALLIED WASTE, INC	04-R5-56.1
AM	ALLIED WASTE, INC	04-R5-56
AN	RODNEY & A.J. SNYDER	04-R8-13
AO	ARTHUR ENNIS, PEGGY CLARK & ALMA SINCAVICH	04-R8-9
AP	GORDON E. & DEBORAH P. DREMAK	04-R8-8.15
AQ	OHIO COUNTY COMMISSION	04-R8-8.16
AR	TUNNEL RIDGE, LLC	04-R8-8.17
AS	TUNNEL RIDGE, LLC	04-R8-8.14
AT	TUNNEL RIDGE, LLC	04-R8-8.2
AU	SUSAN L. CAIN	04-R8-8.3
AV	TUNNEL RIDGE, LLC	04-R8-8.18
AW	FREDERICK C., JR. & STACEY A. HAYMAN	03-B41-0083.0001
AX	RICHARD L. & DEBORAH K. BLACK	04-R5-58.1
AY	RAY W. ARCHER	04-R5-58
AZ	BRYAN K. & LAURA L. PETTIT	04-R5-55.4
BA	EDWARD W. & JOANN V. DREMAK	04-R5-54.1

REVISIONS:


COMPANY:



OPERATOR'S EDWARD DREMAK OHI  
WELL #: 605H

DISTRICT: RICHLAND

COUNTY: OHIO

STATE: WV

DATE: 03-28-2019  
API NO: 47-069-00291  
DRAWN BY: D. REED  
SCALE: N/A  
DRAWING NO: 2018-284  
WELL LOCATION PLAT