

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

7890'

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

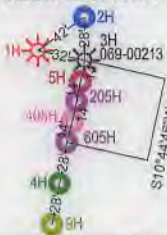
7353'



www.jhacompanies.com

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

WELL LAYOUT



NTS

WELL REFERENCE DETAIL



NTS

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

PROPOSED SURFACE HOLE

SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4445419.65 EASTING: 529678.56
LANDING POINT LOCATION (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4445877.90 EASTING: 530511.00
BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4449404.94 EASTING: 529499.63

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



Production Company™

EDWARD DREMAK OHI
OPERATOR'S WELL #: 605H

API WELL #: 47 STATE 069 COUNTY 06291 PERMIT

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

WATERSHED: UPPER OHIO SOUTH
DISTRICT: RICHLAND COUNTY: OHIO
SURFACE OWNER: ANDREW JOHN EVICK
OIL & GAS ROYALTY OWNER: EDWARD W. & JOANNE V. DREMAK
ELEVATION: 1,087.4'
QUADRANGLE: TILTONSVILLE, OH
ACREAGE: ±34.19
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: 5,814' TVD 19,129.3' TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC
ADDRESS: P.O. BOX 1300
CITY: JANE LEW STATE: WV ZIP CODE: 26378

DESIGNATED AGENT: BRITTANY WOODY
ADDRESS: P.O. BOX 1300
CITY: JANE LEW STATE: WV ZIP CODE: 26378

LEGEND: ○ PROPOSED SURFACE HOLE / BOTTOM HOLE * EXISTING / PRODUCING WELLHEAD LPL LANDING POINT LOCATION ⊙ EXISTING WATER WELL ⊕ EXISTING SPRING	REVISIONS: DATE: 09-17-2018	DRAWN BY: D. REED SCALE: 1" = 3000' DRAWING NO: 2018-284 WELL LOCATION PLAT
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NOTES ON SURVEY

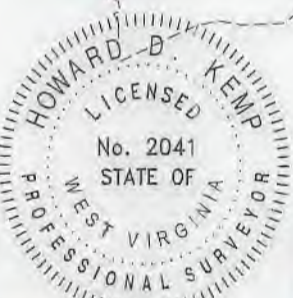
- COORDINATE SYSTEM IS UTM NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
- SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
- THIS PLAT DOES NOT 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.

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

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



3000 0 3000
GRAPHIC SCALE IN FEET



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 (3) & WILLIAM BONAR (4)	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-R8-8.1B
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. & JOANNE V. DREMAK	04-R5-54.1

REVISIONS:

COMPANY:

SWN
Production Company, LLC

SWN ^{R₂-V+}_A
Production Company™

OPERATOR'S EDWARD DREMAK OHI

DATE: 09-17-2018

WELL #: 605H

DRAWN BY: D. REED

DISTRICT:
RICHLAND

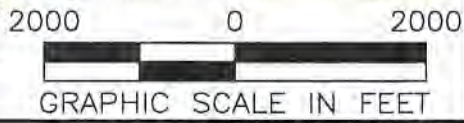
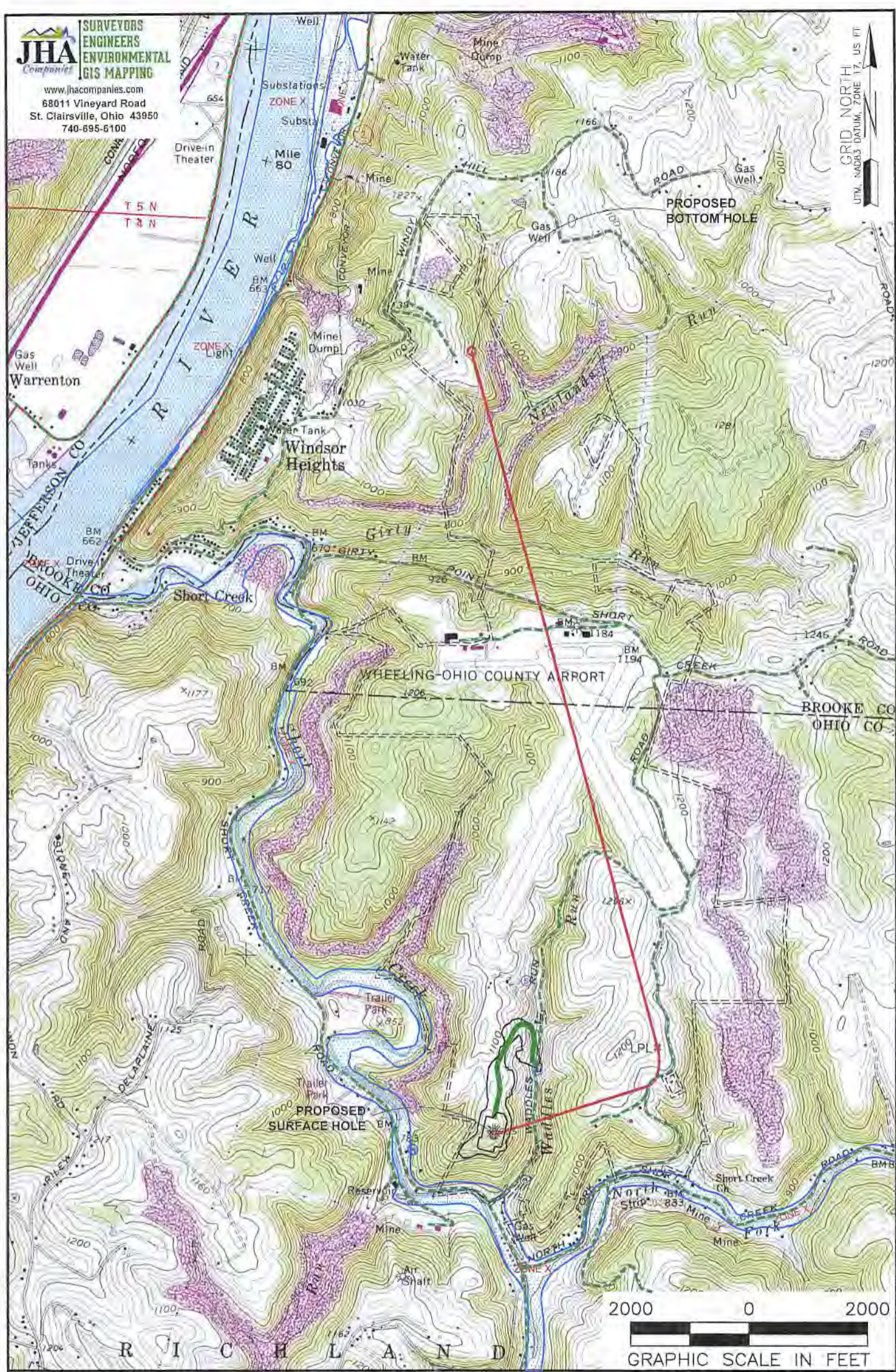
COUNTY:
OHIO

STATE:
WV

SCALE: N/A
DRAWING NO: 2018-284
WELL LOCATION PLAT

PROPERTY NUMBER 2501170545
PAD ID 3001165800

47-069-0029/



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 PLAN 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
- ACCESS ROAD
- PUBLIC ROAD
- ACCESS ROAD TO PREV. SITE
- LEASE BOUNDARY
- PROPOSED PATH

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	RECEIVED Office of Oil and Gas	WELL (FARM) NAME: EDWARD DREMAK OHI	WELL # 605H	SERIAL # XXXX
ADDRESS: P.O. BOX 1300 JANE LEW, WV 26378	SEP 25 2018	COUNTY : OHIO	CODE: 069	DISTRICT: RICHLAND
SURFACE OWNER: ANDREW JOHN EVICK	WV Department of Environmental Protection	USGS 7 1/2 QUADRANGLE MAP NAME: TILTONVILLE, OH		