

(2,000' SCALE) BOTTOM HOLE LATITUDE: 40°12'30" 10405'

(2,000' SCALE) SURFACE HOLE LATITUDE: 40°10'00" 7349'



SURVEYORS
ENGINEERS
ENVIRONMENTAL
GIS MAPPING

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

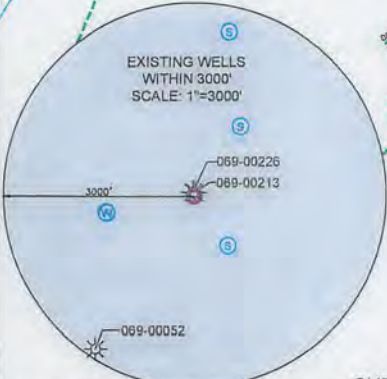
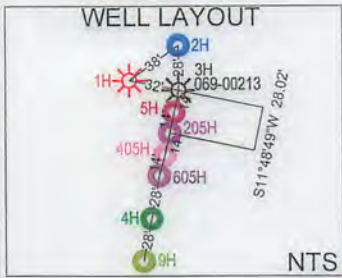
NOTES ON SURVEY

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.

11/09/2018

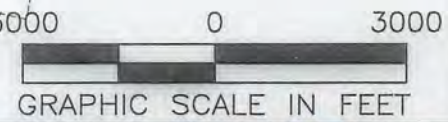
GRID NORTH
UTM, NAD83 DATUM, ZONE 17, US

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



SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4445428.05
EASTING: 529679.85
LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4445743.30
EASTING: 530077.14
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4450397.99
EASTING: 528729.97

LINE	BEARING	DISTANCE
L1	S86°39'14"W	740.82'
L2	N76°43'58"W	762.29'



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 *[Signature]* 9/5/18

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 205H
	WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034	PROVEN SURVEY SOURCE OF ELEVATION: GRADE GPS (NAVD 88, US FT)	API WELL #: 47 STATE, 069 COUNTY, 00227 PERMIT

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

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1,088.0'

DISTRICT: RICHLAND COUNTY: OHIO QUADRANGLE: TILTONSVILLE, OH

SURFACE OWNER: ANDREW JOHN EVICK ACREAGE: ±34.19

OIL & GAS ROYALTY OWNER: 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: 5,803' TVD 22,302.4'TMD

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



LEGEND:	REVISIONS:	DATE: 09-05-2018
PROPOSED SURFACE HOLE / BOTTOM HOLE		
EXISTING / PRODUCING WELLHEAD	SURVEYED BOUNDARY	DRAWN BY: D. REED
LPL	LEASE BOUNDARY	SCALE: 1" = 3000'
EXISTING WATER WELL	PROPOSED PATH	DRAWING NO: 2018-284
EXISTING SPRING		WELL LOCATION PLAT

WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	ANDREW JOHN EVICK (S) JOANNE V. DREMAK (R)	04-R5-54
TRACT	SURFACE OWNER	TAX PARCEL
2	ANDREW JOHN EVICK	04-R5-49
3	WINDSOR COAL COMPANY	04-RB-8.1
4	THE BOARD OF COMMISSIONERS OF THE COUNTY OF OHIO	04-R5-55
5	THE BOARD OF COMMISSIONERS OF THE COUNTY OF OHIO	04-R5-10
6	HENRY W. ZEDLER, JUDITH K. ZEDLER & MARGARET L. BURGGRAF	03-B46-0015.0000
7	WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS	GIRTYS POINT ROAD
8	BARRY L. & PATRICIA A. GREATHOUSE	03-B46-0018.0000
9	LAWRENCE R. & ROSEMARY KINDER	03-B41-0021.0004
10	LAWRENCE R. & ROSEMARY MOORE	03-B41-0021.0001
11	STANLEY RAE KRUPINSKI & MEREDITH KINDER MOORE	03-B41-0021.0003
12	ROSEMARY KINDER MOORE	03-B41-0030.0000
13	WINDSOR COAL COMPANY	03-B41-0005.0000
14	WINDSOR COAL COMPANY	01-BB41-0003.0000

11/09/2018

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	ALLIANCE RESOURCE GP, LLC	04-RB-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	RODNEY K. & NEDRA C. MCCONNELL	04-R2-20
I	RODNEY K. & NEDRA C. MCCONNELL	03-B46-0014.0000
J	HENRY W. ZEDLER, JUDITH ZEDLER & MARGARET BURGGRAF	03-B46-0013.0000
K	KENNETH D. & BARBARA J. COVER	03-B46-0012.0000
L	JOAN GARRETT	03-B46-0009.0000
M	JOAN GARRETT	03-B46-0017.0000
N	SIDNEY W. MOZINGO, JR. & VICTORIA L. MOZINGO	03-B46-0005.0000
O	ALEX & DARLA ANN MUSHET	03-B46-0004.000
P	EVERT RUNYAN	03-B41-0018.0000
Q	WINDSOR COAL COMPANY	03-B41-0020.0000
R	WINDSOR HEIGHTS VILLAGE	08-W41N-0139.0000
S	NEIL A. & JANICE C. ABRAHAMSON	03-B41-0024.0000
T	NEIL A. & JANICE C. ABRAHAMSON	03-B41-0025.0000
U	WILLIAM J. KNIGHT, II & MEREDITH M. SERPICH	08-W41N-0129.0000
V	JAYCOB HAYDEN DOTY & HAYLEY A. DOTY	08-W41N-0130.0000
W	WILLIAM C. & PEGGY L. MCGILL	08-W41N-0131.0000
X	WINDSOR COAL COMPANY	03-B41-0021.0000
Y	THE VILLAGE OF WINDSOR HEIGHTS	03-B41-0029.0000
Z	MT OLIVE BAPTIST CHURCH	01-B405-0001.0000
AA	WINDSOR COAL COMPANY	01-BB41-0005.0000
AB	OHIO FRANKLIN REAL ESTATE COMPANY	01-BB41-0004.0000
AC	THE BROOKE COUNTY COMMISSION	01-BB41-0008.0000
AD	OHIO FRANKLIN REAL ESTATE COMPANY	01-BB41-0002.0000
AE	WEST PENN POWER COMPANY	01-BB41-0017.0000
AF	WEST PENN POWER COMPANY	01-BB41-0016.0000
AG	WEST PENN POWER COMPANY	01-BB41-0007.0000
AH	WINDSOR COAL COMPANY	03-B41-0007.0000
AI	WINDSOR COAL COMPANY	03-B41-0039.0000
AJ	SYLVESTER & MARY KELLER	03-B41-0038.0000
AK	DONNA MARIE PEREZ	03-B41-0037.0000
AL	ROSEMARY KINDER MOORE	03-B41-0035.0000
AM	MICHAEL A. & LINDA S. WOLEN	03-B41-0036.0000
AN	LAWRENCE & ROSEMARY MOORE	03-B41-0034.0000
AO	LAWRENCE R. & ROSEMARY K. MOORE	03-B41-0033.0000
AP	CHARLES BELL ESTATE	03-B41-0031.0000
AQ	BARRY L. & PATRICIA A. GREATHOUSE	03-B41-0032.0000
AR	BARRY L. & PATRICIA A. GREATHOUSE	03-B41-0083.0000
AS	BARRY L. & PATRICIA A. GREATHOUSE	03-B46-0019.0000
AT	STACY ANN GREATHOUSE & PATRICIA ANN GREATHOUSE	03-B46-0041.0000
AU	BARRY L. & PATRICIA A. GREATHOUSE	03-B41-0082.0000
AV	DANNY GENE BRITT & MARGARET VIRGINIA	03-B46-0027.0000
AW	TRACY GILBERT	03-B46-0022.0001
AX	BRUCE D. BONAR (I) & WILLIAM BONAR (I)	03-B46-0020.0000
AY	MARC SEAMON	04-R6-2
AZ	SHORT CREEK COAL COMPANY (C/O RAYLE COAL COMPANY)	04-R6-17.3
BA	SHORT CREEK COAL COMPANY (C/O RAYLE COAL COMPANY)	04-R6-17
BB	MARC SEAMON	04-R6-37
BC	SHORT CREEK CEMETERY ASSOCIATION, TRUSTEES	04-R5-57
BD	SHORT CREEK METHODIST CHURCH	04-R5-60
BE	ROBERT L. & GWENDOLYN NOWAK	04-R5-59
BF	ERIC W. & LISA N. GADD	04-R5-55.1
BG	ERIC W. & LISA N. GADD	04-R5-55.3
BH	DELBERT E. & CAROL L. HUFFMAN	04-RB-16.2
BI	LUTHER R., II & D.F. SMITH	04-RB-16.1
BJ	AMERICAN DISPOSAL SERVICES OF WEST VIRGINIA, INC	04-RB-15
BK	ALLIED WASTE, INC	04-R5-56.1
BL	ALLIED WASTE, INC	04-R5-56
BM	RODNEY & A.J. SNYDER	04-RB-13
BN	ARTHUR ENNIS, PEGGY CLARK & ALMA SINOVICH	04-RB-9
BO	GORDON E. & DEBORAH P. DREMAK	04-RB-8.15
BP	OHIO COUNTY COMMISSION	04-RB-8.16
BQ	TUNNEL RIDGE, LLC	04-RB-8.17
BR	TUNNEL RIDGE, LLC	04-RB-8.14
BS	TUNNEL RIDGE, LLC	04-RB-8.2
BT	SUSAN L. CAIN	04-RB-8.3
BU	TUNNEL RIDGE, LLC	04-RB-8.18
BV	HAMMOND PUBLIC SERVICE DISTRICT	03-B41-0021.0002
BW	RICHARD L. & DEBORAH K. BLACK	04-R5-58.1
BX	RAY W. ARCHER	04-R5-58
BY	BRYAN K. & LAURA L. PETTIT	04-R5-55.4
BZ	EDWARD W. & JOANNE V. DREMAK	04-R5-54.1

REVISIONS:

COMPANY:		 	
OPERATOR'S		EDWARD DREMAK OHI	
WELL #:		205H	
DISTRICT:	COUNTY:	STATE:	DATE: 09-05-2018
RICHLAND	OHIO	WV	DRAWN BY: D. REED
			SCALE: N/A
			DRAWING NO: 2018-284
			WELL LOCATION PLAT