

LATITUDE: 40°15'00" BOTTOM HOLE | 4379'

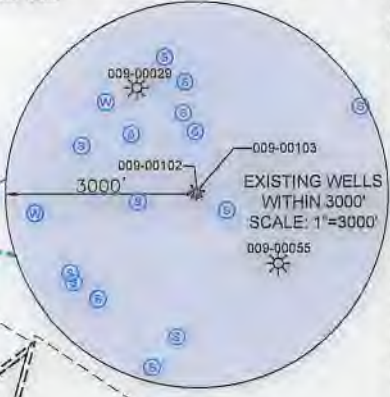
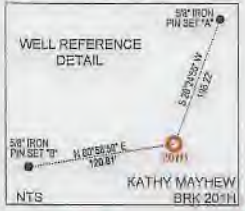
JHA Companies
SURVEYORS ENGINEERS ENVIRONMENTAL GIS MAPPING
 www.jhacompanies.com
 68011 Vineyard Road
 St. Clairsville, Ohio 43950
 740-695-6100

LATITUDE: 40°12'30" SURFACE HOLE | 10981'

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

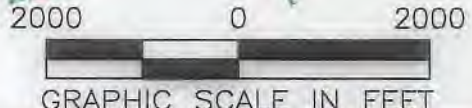


LINE	BEARING	DISTANCE
L1	N 22°45'59" E	1932.50'
L2	N 03°58'06" W	2551.49'

SURFACE HOLE LOCATION (SHL):
 UTM (NAD83, ZONE 17, METERS):
 NORTHING: 4449168.94
 EASTING: 532116.75

LANDING POINT LOCATION (LPL):
 UTM (NAD83, ZONE 17, METERS):
 NORTHING: 4449267.69
 EASTING: 531567.66

BOTTOM HOLE LOCATION (BHL):
 UTM (NAD83, ZONE 17, METERS):
 NORTHING: 4451552.51
 EASTING: 530561.49



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

SWN Production Company, LLC
SWN Production Company, LLC

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

MINIMUM DEGREE OF ACCURACY: 1/200

PROVEN SURVEY SOURCE OF GRADE GPS ELEVATION: (NAVD 88, US FT)

OPERATOR'S WELL #: KATHY MAYHEW BRK 201H

API WELL #: 47 009 00208
 STATE COUNTY PERMIT

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

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1,281.2'

DISTRICT: BUFFALO COUNTY: BROOKE QUADRANGLE: BETHANY, WV & TILTONSVILLE, OH

SURFACE OWNER: KATHY LYNN & MICHAEL MAYHEW, ET AL ACREAGE: ±84.74

OIL & GAS ROYALTY OWNER: KATHY LYNN & MICHAEL MAYHEW, ET AL ACREAGE: ±84.74

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: 5,995' TVD 14,768.0' TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC DESIGNATED AGENT: DEE SOUTHALL

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:
 ○ PROPOSED SURFACE HOLE / BOTTOM HOLE
 ☼ EXISTING / PRODUCING WELLHEAD
 LPL ✕ LANDING POINT LOCATION
 W EXISTING WATER WELL
 S EXISTING SPRING
 --- PUBLIC ROAD
 --- SURVEYED BOUNDARY
 = LEASE BOUNDARY
 --- PROPOSED PATH

REVISIONS:
 DATE: 05-16-2018
 DRAWN BY: D. REED
 SCALE: 1" = 2000'
 DRAWING NO: 2018-341
 WELL LOCATION PLAT

WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	KATHY LYNN & MICHAEL MAYHEW, ET AL (S/R)	03-B42-0027.0000
TRACT	SURFACE OWNER	TAX PARCEL
2	JAY GLEN COLLINS	03-B41-0080.0000
3	JOSEPH P., SR. & ROBIN M. SCRIP	03-B41-0080.0002
4	SANDRA W. BUTLER	03-B41-0071.0000
5	WILLIAM & DAWNA MILLER	03-B41-0061.0000
6	SANDRA BUTLER	03-B41-0068.0000
7	ROBERT LEE & DELMA LOU HUFFMAN	03-B41-0067.0000
8	CARL & JUDITH SPENCER	03-B41-0065.0000
9	ERNEST F. & JOANNE CAPP	03-B41-0064.0000
10	MARK PHILLIPS (½), GAIL ATKINSON (½) & ET AL	03-B36.0107.0000
11	WINDSOR POWER HOUSE COAL COMPANY	03-B36-0104.0000

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	JOSEPH S. & JANE M. BUREK	03-B47-0019.0000
B	JAMES LAMONT	03-B47-0001.0000
C	BETSY D. TUSTIN	03-B47-0002.0001
D	DALE T. & MARY R. WOOD	03-B46-0046.0000
E	DALE T. & MARY R. WOOD	03-B41-0084.0000
F	BARRY L. & PATRICIA A. GREATHOUSE	03-B41-0082.0000
G	ROBERT J., JR. & LINDA MILLER	03-B41-0047.0000
H	KARL DOUGLAS STEPHENS	03-B41-0054.0002
I	WILLIAM & DAWNA MILLER	03-B41-0061.0002
J	KEVIN S. WEEKLEY	03-B41-0056.0000
K	CLARA ILENE DAVIS	03-B41-0061.0003
L	ERNEST & JOANN PAULINE CAPP	03-B41-0061.0001
M	ERNEST W. & MARIANNE CAPP	03-B41-0062.0000
N	ERNEST & JOANN P. CAPP	03-B41-0063.0000
O	EMILY J. HUFFNER	03-B41-0065.0001
P	CARL E. & JUDITH SPENCER	03-B41-0066.0000
Q	SANDRA BUTLER	03-B41-0061.0004
R	ERNEST & JOANN PAULINE CAPP	03-B41-0053.0000
S	ERNEST F. & JOANNE CAPP	03-B41-0052.0000
T	WINDSOR POWER HOUSE COAL COMPANY	03-B41-0049.0000
U	WINDSOR POWER HOUSE COAL COMPANY	03-B36-0103.0000
V	WINDSOR POWER HOUSE COAL COMPANY	03-B36-0101.0000
W	WINDSOR POWER HOUSE COAL COMPANY	03-B36L-0036.0000
X	KEITH L. HAMILTON	03-B36L-0035.0000
Y	KEITH HAMILTON	03-B36L-0037.0000
Z	FLOYD R. & DORIS M. LOUGHRIE	03-B36L-0038.0000
AA	BRIAN L. TESLOVICH	03-B36-0145.0000
AB	LYNN COULTER, DAVID COULTER & ET AL	03-B36-0143.0000
AC	BEECH BOTTOM VOLUNTEER FIRE DEPARTMENT	03-B36-0105.0000
AD	TREVOR SEAN RICHMAN	03-B36-0106.0000
AE	MARK A. & MELODY J. ADAMS	03-B36-0142.0000
AF	FREDERICK B. & JULIE M. DAVIS	03-B36-0108.0000
AG	DAVID MCCLURE	03-B36-0110.0000
AH	CAROL L. DUFFY	03-B36-0113.0000
AI	LORETTA JOAN BASIL	03-B41-0099.0000
AJ	ERNEST F. & JOANNE P. CAPP	03-B41-0098.0000
AK	ELIZABETH ELLEN FLUHARTY	03-B41-0095.0000
AL	DANIEL R. GORBY	03-B41-0061.0006
AM	COREY CONLEY	03-B41-0061.0005
AN	SANDRA W. BUTLER	03-B41-0061.0009
AO	SANDRA BUTLER	03-B41-0069.0000
AP	RONALD C. BUTLER, CHRISTINA BUTLER & JAMES R. BUTLER	03-B41-0070.0000
AQ	SANDRA W. BUTLER	03-B41-0072.0000
AR	SANDRA W. BUTLER	03-B41-0078.0000
AS	JAY G. COLLINS	03-B41-0079.0000
AT	SHAWN M. SINES	03-B41-0085.0000
AU	HENRY MIKELS & BONNIE J. BURKETT	03-B41-0086.0001
AV	JASON D. & MARY E. WHITE	03-B41-0086.0000
AW	ROBERT D., II & LESLIE C. HILDEBRAND	03-B42-0063.0000
AX	FRANK G. & KELLY L. AINSCOUGH	03-B42-0071.0000
AY	HENRY HEINZROTH	03-B42-0032.0000
AZ	LUTHER GRIZZEL	03-B42-0030.0000
BA	LUTHER GRIZZEL	03-B42-0031.0000
BB	LUTHER GRIZZEL	03-B42-0029.0000
BC	ELIZABETH ELLEN FLUHARTY	03-B47-0018.0000
BD	MARK & TRINA PROVENZANO	03-B41-0080.0001

REVISIONS:

COMPANY:

SWN
Production Company, LLC

OPERATOR'S KATHY MAYHEW

DATE: 05-16-2018

WELL #: BRK 201H

DRAWN BY: D. REED

DISTRICT:
BUFFALO

COUNTY:
BROOKE

STATE:
WV

SCALE: N/A

DRAWING NO: 2018-341

WELL LOCATION PLAT