

LATITUDE: 40°15'00" BOTTOM HOLE (2000' SCALE)

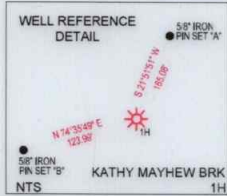
7280'

LATITUDE: 40°12'30" SURFACE HOLE (2000' SCALE)

11053'

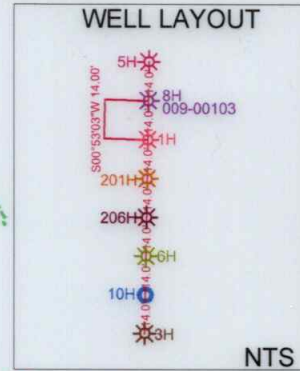


68011 Vineyard Road  
St. Clairsville, Ohio 43950  
740-695-6100



**NOTES ON SURVEY**

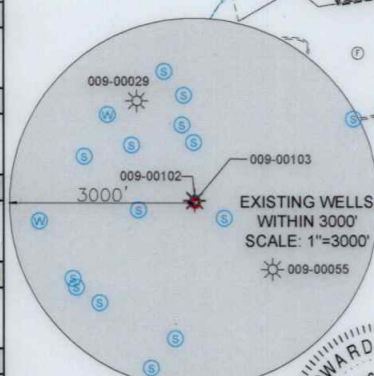
1. COORDINATE SYSTEM IS UTM NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
2. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
3. THIS PLAT DOES 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.



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

LINE	BEARING	DISTANCE
L1	N22°36'46"E	1945.50'
L2	N03°56'31"W	2565.43'

<b>SURFACE HOLE LOCATION (SHL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4449173.21 EASTING: 532116.75
<b>LANDING POINT LOCATION (LPL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4449187.93 EASTING: 531846.98
<b>BOTTOM HOLE LOCATION (BHL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4454141.56 EASTING: 529682.62
<b>SURFACE HOLE LOCATION (SHL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4449144.43 EASTING: 531866.60
<b>LANDING POINT LOCATION (LPL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4454136.65 EASTING: 529671.83



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

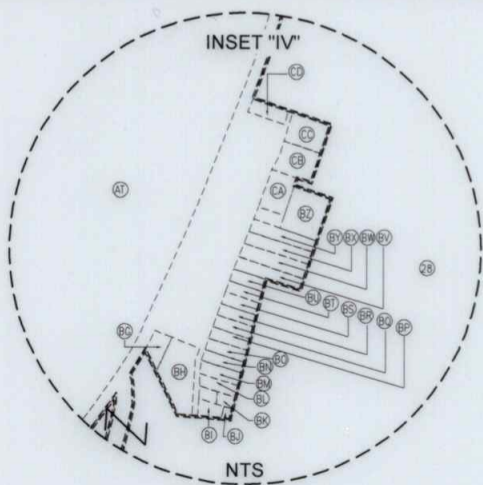
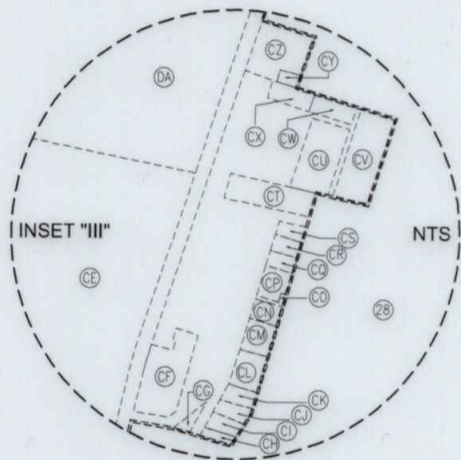
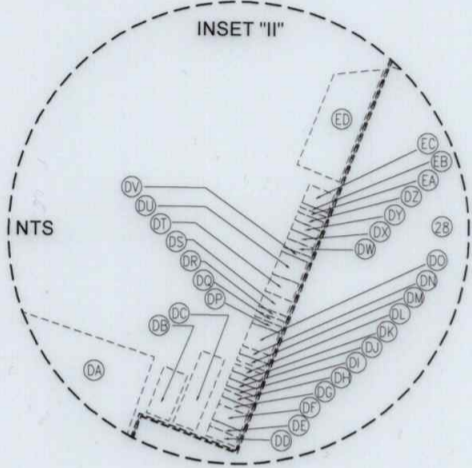
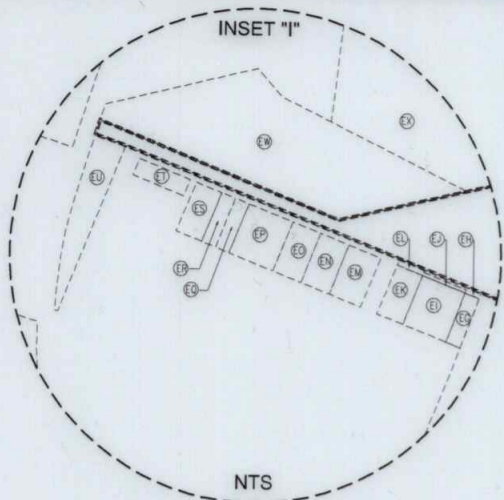
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034	MINIMUM DEGREE OF ACCURACY: 1/200 PROVEN SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)	OPERATOR'S WELL #: KATHY MAYHEW BRK 1H API WELL #: 47 009 00203 STATE COUNTY PERMIT
	WELL TYPE: OIL <input type="checkbox"/> WASTE DISPOSAL <input type="checkbox"/> PRODUCTION <input checked="" type="checkbox"/> DEEP <input type="checkbox"/> GAS <input checked="" type="checkbox"/> LIQUID INJECTION <input type="checkbox"/> STORAGE <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/>	WATERSHED: UPPER OHIO SOUTH DISTRICT: BUFFALO COUNTY: BROOKE SURFACE OWNER: KATHY LYNN & JAMES MAYHEW, ET AL OIL & GAS ROYALTY OWNER: KATHY LYNN & JAMES MAYHEW, ET AL

DRILL <input type="checkbox"/> DRILL DEEPER <input type="checkbox"/> REDRILL <input type="checkbox"/> FRACTURE OR STIMULATE <input type="checkbox"/> PLUG OFF OLD FORMATION <input type="checkbox"/> PERFORATE NEW FORMATION <input type="checkbox"/> CONVERT <input type="checkbox"/> PLUG & ABANDON <input type="checkbox"/> CLEAN OUT & REPLUG <input type="checkbox"/> OTHER CHANGE <input checked="" type="checkbox"/> (SPECIFY) AS-DRILLED	TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,005' TVD 24,188' TMD
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WELL OPERATOR: SWN PRODUCTION COMPANY, LLC ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508	DESIGNATED AGENT: BRITTANY WOODY ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508
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<b>LEGEND:</b> (●) EXISTING BOTTOM HOLE (⊙) EXISTING / PRODUCING WELLHEAD (LPL) EXISTING LANDING POINT LOCATION (●) PROPOSED SURFACE HOLE / BOTTOM HOLE (LPL) PROPOSED LANDING POINT LOCATION (---) ACCESS ROAD (---) PUBLIC ROAD (---) FLOOD PLAIN (---) LEASE BOUNDARY (---) ASDRILLED PATH (---) PROPOSED PATH	<b>REVISIONS:</b> DATE: 01-15-2020 API NO: 47-009-00203 DRAWN BY: R. GRIMES SCALE: 1" = 3000' DRAWING NO: 2018-341 WELL LOCATION PLAT
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LONGITUDE: -80°35'00" SURFACE HOLE (2000' SCALE)  
 LONGITUDE: -80°37'30" BOTTOM HOLE (2000' SCALE)  
 4669'



WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	KATHY LYNN & JAMES MAYHEW, ET AL (S/R)	03-B42-27
TRACT	SURFACE OWNER	TAX PARCEL
2	JAY GLEN COLLINS	03-B41-80
3	JAY GLEN COLLINS	03-B41-79
4	SANDRA W. BUTLER	03-B41-78
5	SANDRA W. BUTLER	03-B41-72
6	RUTH A. HERCULES	03-B41-88
7	GARY MORRIS	03-B41-90
8	RUTH A. HERCULES	03-B41-91
9	CHARLES J. SUTER & D. LA VAUGHN	03-B41-94
10	ELIZABETH ELLEN FLUHARTY	03-B41-95
11	ERNEST F. & JOANNE P. CAPP	03-B41-98
12	ERNEST F. & JOANNE P. CAPP	03-B41-64
13	LORETTA JOAN BASIL	03-B41-99
14	CAROL L. DUFFY	03-B36-113
15	MARK PHILLIPS, ET AL	03-B36-107
16	WINDSOR POWER HOUSE COAL COMPANY	03-B36-104
17	KEITH HAMILTON	03-B36L-37
18	KEITH L. HAMILTON	03-B36L-35
19	KEITH L. HAMILTON	03-B36L-34
20	FLOYD R. & DORIS M. LOUGHRIE	03-B36L-32
21	FLOYD R. & DORIS M. LOUGHRIE	03-B36L-30
22	DAVID W. DEWITT	03-B36L-31
23	HUBERT ESTES & ERMA HEADEN	03-B36L-29
24	HUBERT ESTES & ERMA HEADEN	03-B36L-02
25	JOHN BADO	03-B36L-01
26	LESTER & KATHERINE WALLACE	03-B36G-01
27	JOHN BADO	03-B36G-02
28	BUSINESS DEVELOPMENT CORP OF THE NORTHERN PANHANDLE	01-BB36-23.1
29	LOUIS & ARLINE MILLER	03-B36-06
30	LOUIS & ARLINE MILLER	03-B36-05
31	UNKNOWN	03-B31-74
32	OTIS M., JR. & EDNA JO BAKER	01-BB31-19
33	ALBERT T. & SHEILA PELL	01-BB31-25
34	CARL P. & MARGARET NIELSON	03-B31-58
35	GLADYS VIRGINIA CROW	01-BB31-32
36	HAROLD THOMAS CROW	01-BB31-33
37	CARL P. & MARGARET NIELSEN	01-B31-58
38	ALADDIN SIGNS, INC	01-BB31-54
39	PAUL T. BILLIARD	01-BB31-53
40	PAUL T. BILLIARD	01-BB31-52
41	ALADDIN SIGNS, INC	01-BB31-55
42	STATE ROUTE #2	RIGHT OF WAY

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	JOSEPH S. & JANE M. BUREK	03-B47-19
B	JAMES LAMONT	03-B47-1
C	BETSY D. TUSTIN	03-B47-2-1
D	DALE T. & MARY R. WOOD	03-B46-46
E	MARY WOOD	03-B41-84
F	BARRY L. & PATRICIA A. GREATHOUSE	03-B41-82
G	ROBERT J. MILLER, JR., LINDA MILLER & ET AL	03-B41-47
H	WILLIAM & DAWNA MILLER	03-B41-61
I	SANDRA W. BUTLER	03-B41-71
J	RONALD C. BUTLER, ET AL	03-B41-70
K	FRANK & KELLEY AINSCOUGH	03-B41-89
L	FRANK & KELLEY AINSCOUGH	03-B41-61-7
M	DANIEL R. GORBY	03-B41-61-6
N	COREY CONLEY	03-B41-61-5
O	CARL & JUDITH SPENCER	03-B41-65
P	EMILY J. HUFFNER	03-B41-65-1
Q	ERNEST & JOANN P. CAPP	03-B41-63
R	ERNEST & JOANN PAULINE CAPP	03-B41-53
S	ERNEST F. & JOANNE CAPP	03-B41-52
T	WINDSOR POWER HOUSE COAL COMPANY	03-B41-49
U	WINDSOR POWER HOUSE COAL COMPANY	03-B36-103
V	WINDSOR POWER HOUSE COAL COMPANY	03-B36-101
W	WINDSOR POWER HOUSE COAL COMPANY	03-B36L-36
X	WINDSOR POWER HOUSE COAL COMPANY	03-B36L-33
Y	WINDSOR POWER HOUSE COAL COMPANY	03-B36L-21
Z	WINDSOR POWER HOUSE COAL COMPANY	03-B36L-22
AA	WINDSOR POWER HOUSE COAL COMPANY	03-B36L-23
AB	WINDSOR POWER HOUSE COAL COMPANY	03-B36L-25
AC	WINDSOR POWER HOUSE COAL COMPANY	03-B36L-26
AD	WINDSOR POWER HOUSE COAL COMPANY	03-B36L-28
AE	LESTER & KATHERINE WALLACE	03-B36L-03
AF	LESTER & KATHERINE WALLACE	03-B36L-04
AG	LESTER & KATHERINE WALLACE	03-B36L-05
AH	NICHOLAS S. MINDA (L/E: NORA J. MINDA)	03-B36L-07
AI	LESTER & KATHERINE WALLACE	03-B36L-08

REVISIONS:

COMPANY:

**SWN**  
Production Company, LLC

**SWN** <sup>R-V+</sup><sub>A</sub>  
Production Company™

OPERATOR'S WELL #: KATHY MAYHEW BRK 1H

DATE: 01-15-2020  
API NO: 47-009-00203  
DRAWN BY: R. GRIMES  
SCALE: N/A  
DRAWING NO: 2018-341  
WELL LOCATION PLAT

DISTRICT: BUFFALO COUNTY: BROOKE STATE: WV

PROPERTY NUMBER 2501166338  
PAD ID 3001156092

