

LATITUDE: 40°12'30" SURFACE HOLE | 6562'

LATITUDE: 40°12'30" BOTTOM HOLE | 4519'



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

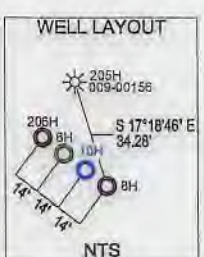
**NOTES ON SURVEY**

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 825 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

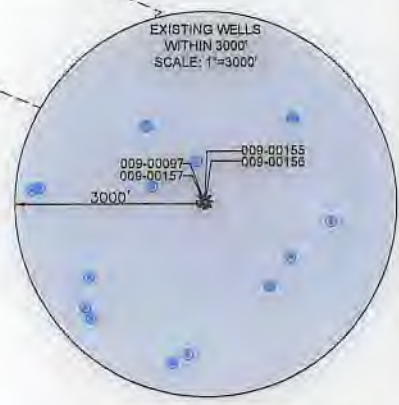
03/01/2019

GRID NORTH  
UTM, NAD83 DATUM, ZONE 17, U.S. FT

S 75°59'21" E  
202.67'



LINE	BEARING	DISTANCE
L1	S 71°48'04" E	3965.53'
L2	S 81°17'06" E	3766.30'



<b>SURFACE HOLE LOCATION (SHL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4450477.01 EASTING: 533457.75
<b>LANDING POINT LOCATION (LPL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4450463.07 EASTING: 533517.90
<b>BOTTOM HOLE LOCATION (BHL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4449125.74 EASTING: 534086.79



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 #: LINDA GREATHOUSE BRK 8H API WELL #: 47 009 00273 STATE COUNTY PERMIT
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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	ELEVATION: 1,139.3'
DISTRICT: BUFFALO	COUNTY: BROOKE	QUADRANGLE: BETHANY, WV
SURFACE OWNER: LINDA REEVES GREATHOUSE & VICKI LYNN HAMILTON	ACREAGE: ±322.84	
OIL & GAS ROYALTY OWNER: LINDA REEVES GREATHOUSE & VICKI LYNN HAMILTON	ACREAGE: ±322.84	
DRILL <input checked="" type="checkbox"/> DRILL DEEPER <input type="checkbox"/> REDRILL <input type="checkbox"/> FRACTURE OR STIMULATE <input checked="" 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 type="checkbox"/> (SPECIFY)	
TARGET FORMATION: MARCELLUS	ESTIMATED DEPTH: 5,961' TVD 11,007.7'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

<b>LEGEND:</b> ○ PROPOSED SURFACE HOLE / BOTTOM HOLE * EXISTING / PRODUCING WELLHEAD LPL LANDING POINT LOCATION W EXISTING WATER WELL S EXISTING SPRING	— SURVEYED BOUNDARY — DRILLING UNIT - - - LEASE BOUNDARY — PROPOSED PATH	REVISIONS: DATE: 04-16-2018 DRAWN BY: D. REED SCALE: 1" = 2000' DRAWING NO: 2018-204 WELL LOCATION PLAT
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WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	LINDA REEVES GREATHOUSE & VICKI LYNN HAMILTON (S/R)	03-B37-0087.0000
TRACT	SURFACE OWNER	TAX PARCEL
2	JAMES & JO ELLEN HAIZLETT	03-B42-0060.0002
3	AUSTIN WAYNE & JUSTINE ADAH WADE	03-B42-0060.0001
4	AUSTIN WAYNE & JUSTINE ADAH WADE	03-B42-0050.0000
5	PHYLLIS P. MARKER	03-B42-0052.0000
6	WINDSOR POWER HOUSE COAL COMPANY	03-B42-0053.0000
7	WINDSOR POWER HOUSE COAL COMPANY	03-B42-0051.0000
8	WINDSOR POWER HOUSE COAL COMPANY	03-B42-0056.0000
9	JEFFREY S. & DAWNA J. WARD	03-B42-0059.0004
10	WINDSOR POWER HOUSE COAL COMPANY	03-B42-0055.0000
11	RALPH O. & GINA L. SMITH	03-B42-0068.0000
12	RALPH O. & GINA L. SMITH	03-B42-0067.0000

03/01/2019

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	DEBRA F. CYPHERT (½), MATTHEW H. FAIR (½) & ET AL	03-B37-0091.0000
B	ROBERT BONE	03-B37-0090.0000
C	ROBERT BONE	03-B37-0089.0000
D	ROBERT BONE	03-B37-0090.0001
E	DEBRA F. CYPHERT (½), MATTHEW H. FAIR (½) & ET AL	03-B37-0088.0000
F	CARL R. & SANDRA S. CLARK	03-B37-0086.0000
G	BRIAN K. & GINA M. HANEY	03-B37-0077.0000
H	LPS INVESTMENT PARTNERSHIP	03-B37-0066.0000
I	EDGAR S. & CECELIA M. ERDMAN	03-B42-0049.0000
J	ELLEN B. SANFORD	03-B37-0076.0000
K	WILLIAM A. & LYNETTE G. HAIZLETT	03-B42-0060.0003
L	THURMAN O. SPEECE, JR. & GOLDIE M. STANLEY	03-B42-0046.0000
M	TRUMAN A. & MARY V. SPEECE	03-B42-0059.0001
N	THURMAN O. SPEECE, JR. & GOLDIE M. STANLEY	03-B42-0042.0000
O	THURMAN O. SPEECE, JR. & GOLDIE M. STANLEY	03-B42-0059.0003
P	THURMAN O. SPEECE, JR. & GOLDIE M. STANLEY	03-B42-0059.0002
Q	RALPH O. & GINA L. SMITH	03-B42-0039.0000
R	RALPH O. & GINA L. SMITH	03-B42-0070.0000
S	RALPH O. & GINA L. SMITH	03-B42-0069.0000
T	RALPH O. & GINA L. SMITH	03-B42-0066.0000
U	RALPH & GINA SMITH	03-B42-0065.0000
V	RALPH O. & GINA L. SMITH	03-B42-0064.0000
W	MIKE RYNIWEC	03-B42-0033.0000
X	JAMES L. BONAR & ET AL	03-B42-0054.0000
Y	HENRY HEINZROTH	03-B42-0032.0000
Z	ROCCO BASIL	03-B42-0019.0000
AA	RICKEY & DEBRA CONLEY	03-B42-0018.0000
AB	EDWARD E. & NANCY J. CONLEY	03-B42-0016.0000
AC	EDWARD E. & NANCY J. CONLEY	03-B42-0015.0000
AD	DANIEL R. GORBY	03-B42-0026.0000
AE	DANIEL R. GORBY	03-B42-0003.0000
AF	ELLEN M. STANLEY, ET AL	03-B42-0001.0000
AG	VICTOR CHARLES SMITH	03-B37-0130.0000
AH	CHRISTOPHER SCOTT MILLER	03-B37-0094.0000
AI	KEVIN CHUMNEY	03-B37-0093.0000
AJ	TRUMAN A. SPEECE (½), MARY SPEECE (½) & THURMAN SPEECE, JR. (½)	03-B42-0058.0000
AK	WINDSOR POWER HOUSE COAL COMPANY	03-B42-0057.0000

REVISIONS:

COMPANY:

**SWN**  
Production Company, LLC

**SWN** *R<sup>2</sup> A<sup>+</sup> V<sup>+</sup> 0*  
Production Company™

OPERATOR'S: LINDA GREATHOUSE  
WELL #: BRK 8H

DATE: 04-16-2018

DISTRICT:  
BUFFALO

COUNTY:  
BROOKE

STATE:  
WV

DRAWN BY: D. REED

SCALE: N/A

DRAWING NO: 2018-204  
WELL LOCATION PLAT