

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

2976'

(2000' SCALE) BOTTOM HOLE LATITUDE 40°10'00"

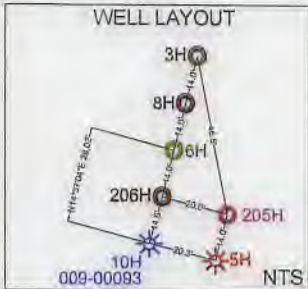
10189'



www.jhacompanies.com  
68011 Vineyard Road  
St. Clairsville, Ohio 43950  
740-595-6100

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.

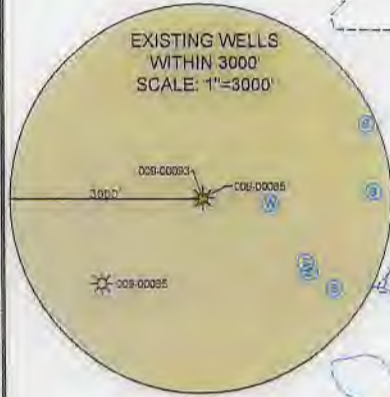
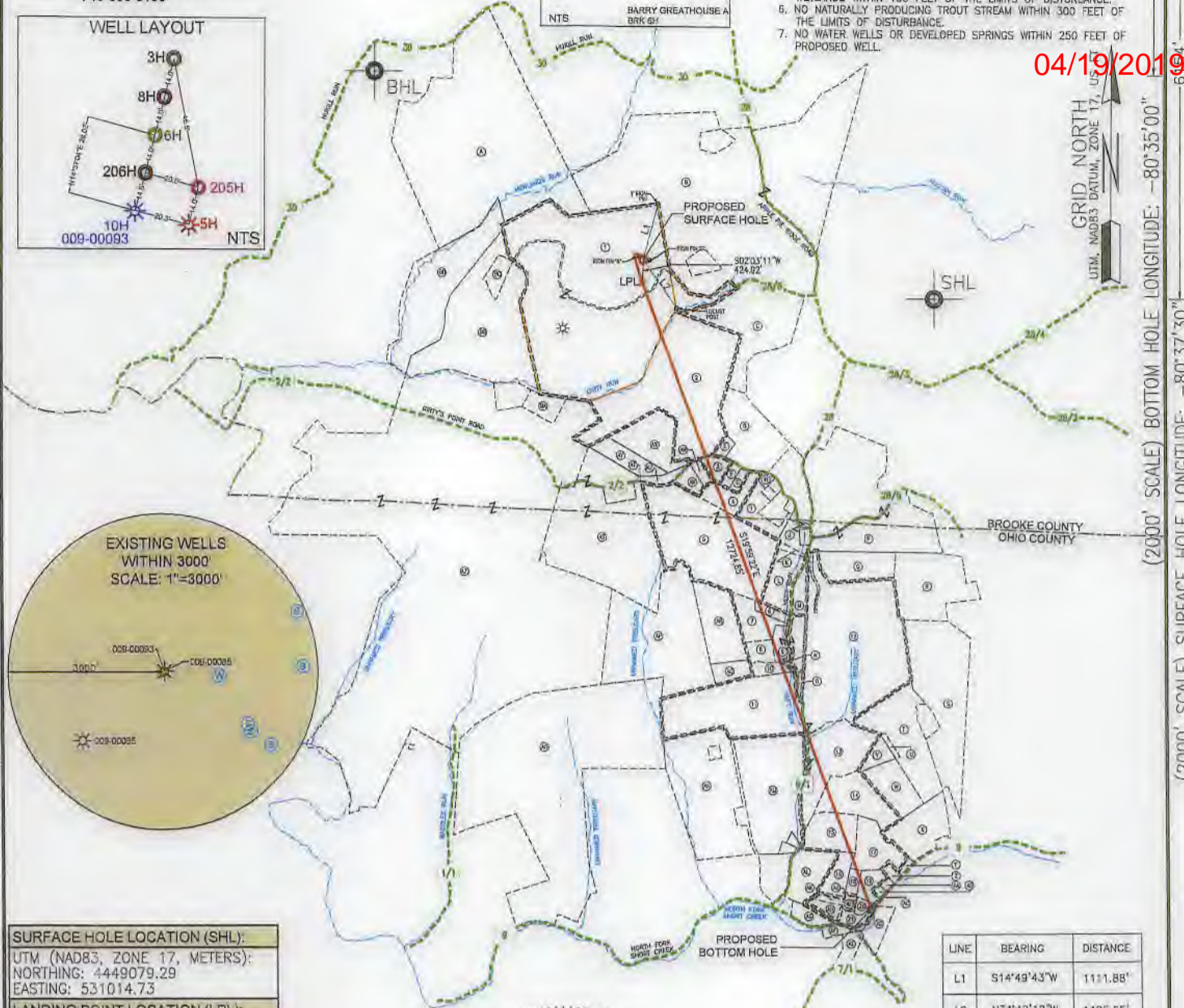


04/19/2019

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

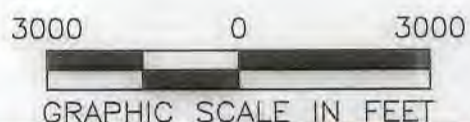
(2000' SCALE) BOTTOM HOLE LONGITUDE: -80°35'00"

(2000' SCALE) SURFACE HOLE LONGITUDE: -80°37'30"



<b>SURFACE HOLE LOCATION (SHL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4449079.29 EASTING: 531014.73
<b>LANDING POINT LOCATION (LPL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4448949.85 EASTING: 531012.26
<b>BOTTOM HOLE LOCATION (BHL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4445329.04 EASTING: 532398.46

LINE	BEARING	DISTANCE
L1	S14°49'43"W	1111.88'
L2	N34°42'12"W	1125.65'



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]*

**SWN** Production Company, LLC Production Company™

<p>(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP OFFICE OF OIL &amp; GAS 601 57TH STREET CHARLESTON, WV 25034</p>	MINIMUM DEGREE OF ACCURACY: 1/200 PROVEN SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)	BARRY GREATHOUSE A BRK OPERATOR'S WELL #: 6H API WELL #: 47 009 00230M 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: BARRY L. GREATHOUSE & PATRICIA A. GREATHOUSE OIL & GAS ROYALTY OWNER: RAYLE COAL COMPANY 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: 5,920' TVD 18,878' TMD	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
<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	<b>REVISIONS:</b>	DATE: 02-20-2019 API NO: 47-009-XXXX DRAWN BY: D. REED SCALE: 1" = 3000' DRAWING NO: 2017-422 WELL LOCATION PLAT

WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	BARRY L. GREATHOUSE & PATRICIA A. GREATHOUSE (S) RAYLE COAL COMPANY (R)	03-B41-0082.0000
TRACT	SURFACE OWNER	TAX PARCEL
2	DANNY GENE & VIRGINIA BRITT	03-B46-0027.0000
3	GRACE FRIEND	03-B46-0030.0000
4	TERRY L. CRUPE	03-B46-0033.0000
5	MY THREE SONS HOLDINGS, LP	03-B46-0024.0000
6	ULRICH UTT	04-R6-24.1
7	ULRICH UTT	04-R6-24.2
8	GARY & MARTHA HERCULES	04-R6-6.1
9	MARTHA HERCULES	04-R6-7
10	GARY & MARTHA HERCULES	04-R6-5
11	RAYLE COAL COMPANY	04-R6-17.3
12	WINDSOR COAL COMPANY	04-R6-12
13	WAYNE E. SHOOK	04-R6-15
14	CHARLES B. DAVIS, III & ELIZABETH MARIE DAVIS	04-R6-14.4
15	WINDELL H., II & GLADYS GOFF	04-R6-27.1
16	NICOLE L. CARENBAUER	04-R6-28.6
17	RANDALL L. CRABTREE & CYNTHIA S. KOVALSKI	04-R6-27.3
18	RANDALL CRABTREE	04-R6-28.8
19	CHARLES J. ROBINSON (L/E) & RANDALL CRABTREE	04-R6-27.2
20	RANDALL L. CRABTREE & CYNTHIA S. KOVALSKI	04-R6-27.4
21	RALPH D., JR. & GRACE A. ROBINSON	04-R6-27

04/19/2019

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	ROBERT J. MILLER JR. & LINDA MILLER	03-B41-0047.0000
B	JAY GLEN COLLINS	03-B41-0080.0000
C	DALE T. WOOD & MARY R. WOOD	03-B41-0084.0000
D	JAMES B. GEBHARDT & MELISSA D. GEBHARDT	03-B46-0029.0000
E	RACHEL R. BAXTER	03-B46-0028.0000
F	CRAIG ALLEN PITNER	03-B46-0031.0000
G	CHARLES P. GEBHARDT, FREIDA GEBHARDT & JAMES GEBHARDT	03-B46-0032.0000
H	RICHARD A. HARRIS	03-B46-0034.0000
I	ALFRED & DONNA L. SCHELL	03-B46-0037.0000
J	MELISSA KERNS, CHRISTINA A. KERNS, TIMOTHY E. KERNS & JEANETTE M. KERNS	03-B46-0040.0001
K	TIMOTHY E. KERNS & JEANETTE M. KERNS	04-R6-8.1
L	MELISSA ANN KERNS	04-R6-8
M	FLORENCE E. WHITE & JOHN M. WHITE	04-R6-10
N	GARY & MARTHA HERCULES	04-R6-6
O	GARY HERCULES	04-R6-16
P	MARK A. WADE & MARY IVA WADE-SMITH	03-B47-0004.0000
Q	MARK A. WADE & MARY IVA WADE-SMITH	04-R6-11
R	DALE M. SAMPSON	03-L1-2
S	DALE M. SIMPSON	04-R6-13
T	MADONA DAVIS	04-R6-14
U	SUZANNE D. & CHAD D. CLUTTER	04-R6-14.6
V	SUZANNE D. & CHAD D. CLUTTER	04-R6-14.5
W	CHARLES B. DAVIS, III & ELIZABETH MARIE DAVIS	04-R6-14.3
X	CHARLES & ELIZABETH M. DAVIS	04-R6-14.2
Y	DUANE RUPERT & LAURIE RUPERT	04-R6-31
Z	DUANE RUPERT & LAURIE RUPERT	04-R6-30
AA	STEVEN M. & E.K. WHITMIRE	04-R6-28.1
AB	STEVEN M. & E.K. WHITMIRE	04-R6-28.5
AC	CALVARY BAPTIST CHURCH, TRUSTEES	04-R6-28.4
AD	ADAM J. SHUBA	04-R6-35
AE	LARRY & TERRY BOYNES	04-R9-22.9
AF	ROBERT L., II & JENNIFER JEWELL; JANE ANN AMONS	04-R6-40
AG	LESLIE A. HUNT	04-R6-29
AH	DOUGLAS & JACQUELINE HUDSON	04-R6-28.7
AI	RALPH D., JR. & G.A. ROBINSON	04-R6-28.2
AJ	RANDALL L. CRABTREE & CYNTHIA S. KOVALSKI	04-R6-28.9
AK	DOUGLAS & JACQUELINE HUDSON	04-R6-28.3
AL	WINDELL H., II & GLADYS GOFF	04-R6-24.3
AM	SHORT CREEK COAL COMPANY	04-R6-17.4
AN	SHORT CREEK COAL COMPANY	04-R6-17
AO	OHIO COUNTY BOARD OF COMMISSIONERS	04-R5-55
AP	MARC SEAMON	04-R6-2
AQ	GARY & MARTHA HERCULES	04-R6-4.1
AR	GARY & MARTHA HERCULES	04-R6-4
AS	BRUCE D. BONAR & WILLIAM BONAR	03-B46-0020.0000
AT	TRACY GILBERT	03-B46-0023.0001
AU	BUSTER T. & BARBARA A. BLAKE	03-B46-0023.0000
AV	GARY L. & MARGIE WILLIAMS	03-B46-0025.0000
AW	REBECCA FRIEND	03-B46-0026.0000
AX	TRACY GILBERT	03-B46-0022.0000
AY	TRACY GILBERT	03-B46-0022.0001
AZ	OHIO COUNTY BOARD OF COMMISSIONERS	04-R5-10
BA	STACY ANN HAYMAN & PATRICIA ANN GREATHOUSE	03-B46-0041.0000
BB	BARRY L. & PATRICIA A. GREATHOUSE	03-B41-0083.0000
BC	FREDERICK C. HAYMAN, JR. & STACEY A. HAYMAN	03-B41-0083.0001
BD	BARRY L. & PATRICIA A. GREATHOUSE	03-B41-0032.0000

REVISIONS:

COMPANY:

**SWN**  
Production Company, LLC

**SWN** <sup>Re-Adv+</sup>  
Production Company™

OPERATOR'S BARRY GREATHOUSE A BRK

WELL #: 6H

DISTRICT:  
BUFFALO

COUNTY:  
BROOKE

STATE:  
WV

DATE: 02-20-2019  
API NO: 47-009-XXXX  
DRAWN BY: D. REED  
SCALE: N/A  
DRAWING NO: 2017-422  
WELL LOCATION PLAT

PROPERTY NUMBER 2501166093  
PAD ID 3001156331

47-009-00230