

LATITUDE: 40°12'30" SURFACE HOLE

6637'

LATITUDE: 40°12'30" BOTTOM HOLE

3182'



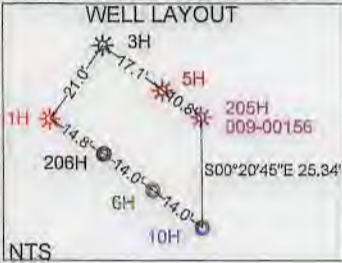
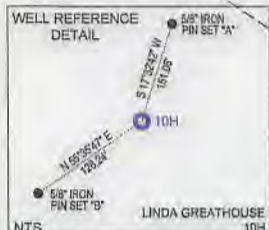
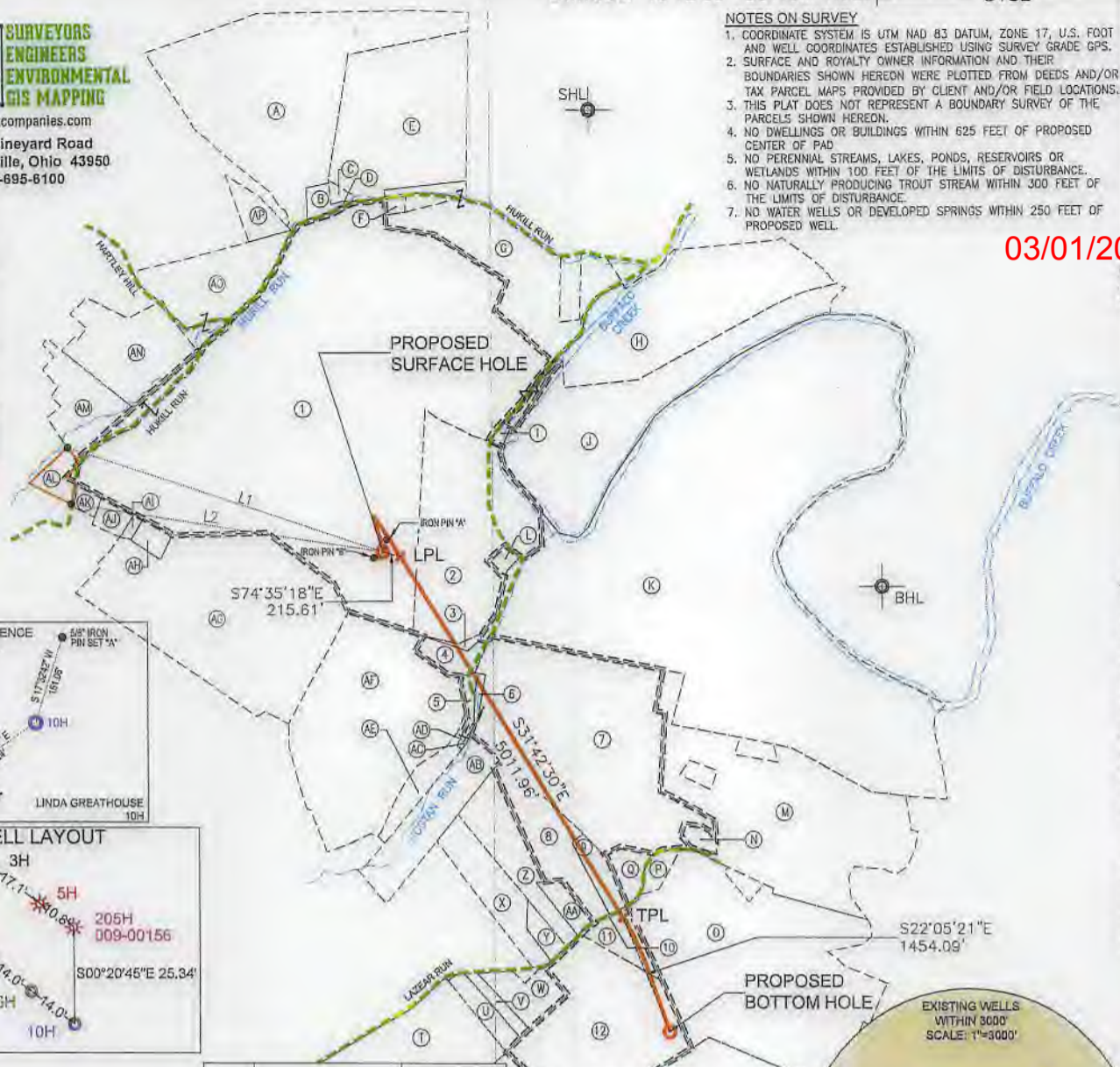
www.jhacompanies.com  
68011 Vineyard Road  
St. Clairsville, Ohio 43950  
740-695-8100

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.

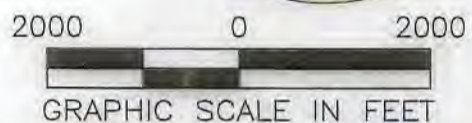
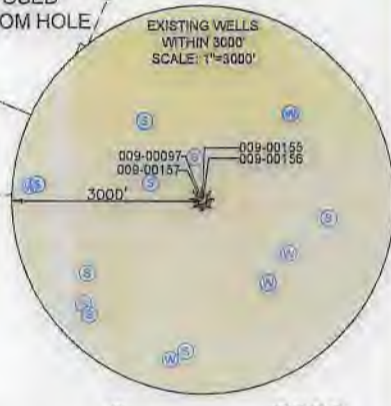
03/01/2019

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



LINE	BEARING	DISTANCE
L1	S71°51'56\"E	3952.26'
L2	S81°23'08\"E	3753.94'

<b>SURFACE HOLE LOCATION (SHL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4450479.504 EASTING: 533454.286
<b>LANDING POINT LOCATION (LPL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4450463.108 EASTING: 533517.902
<b>TURNING POINT LOCATION (TPL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4449177.614 EASTING: 534342.159
<b>BOTTOM HOLE LOCATION (BHL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4448769.927 EASTING: 534515.627



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]* 2/13/19

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

	(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS	MINIMUM DEGREE OF ACCURACY: 1/200	LINDA GREATHOUSE BRK
	WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034	PROVEN SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)	OPERATOR'S WELL #: 10H
		API WELL #:	<b>47 009 00214</b>
			STATE COUNTY PERMIT

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

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1,139.2'

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  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: 5,981' TVD 12,707' TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC DESIGNATED AGENT: BRITTANY WOODY

ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201 ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201

CITY: MORGANTOWN STATE: WV ZIP CODE: 26508 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

<b>LEGEND:</b>	<b>REVISIONS:</b>	<b>DATE:</b> 02-13-2019
PROPOSED SURFACE HOLE / BOTTOM HOLE	SURVEYED BOUNDARY	API #: 47-009-XXXX
EXISTING / PRODUCING WELLHEAD	LEASE BOUNDARY	DRAWN BY: D. REED
LPL LANDING POINT LOCATION	PROPOSED PATH	SCALE: 1" = 2000'
EXISTING WATER WELL	TPL TURNING POINT LOCATION	DRAWING NO: 2018-204
EXISTING SPRING		WELL LOCATION PLAT



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	CNX LAND, LLC	03-B42-0051.0000
6	THURMAN SPEECE, DOROTHY SPEECE, TRUMAN SPEECE, JR. & MARY SPEECE	03-B42-0058.0000
7	JEFFREY S. WARD & DAWNA J. WARD	03-B42-0059.0004
8	RALPH O. & GINA L. SMITH	03-B42-0070.0000
9	RALPH O. & GINA L. SMITH	03-B42-0039.0000
10	WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS	LAZEAR WILHELM ROAD
11	RICHARD KIMBALL	03-B42-0041.0000
12	NOEL R. & JOYCE L. SCHWERTFEGER	03-B42-0040.0000

03/01/2019

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	DEBRA F. CYPHERT, MATTHEW H. FAIR & 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, MATTHEW H. FAIR & 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	LABELLE FARMS, INC.	03-B42-0060.0000
L	WILLIAM A. & LYNETTE G. HAIZLETT	03-B42-0060.0003
M	THURMAN O. SPEECE, JR. & GOLDIE M. STANLEY	03-B42-0046.0000
N	THURMAN A. & MARY V. SPEECE	03-B42-0059.0001
O	THURMAN O. SPEECE, JR. & GOLDIE M. STANLEY	03-B42-0042.0000
P	THURMAN O. SPEECE, JR. & GOLDIE M. STANLEY	03-B42-0059.0003
Q	THURMAN O. SPEECE, JR. & GOLDIE M. STANLEY	03-B42-0059.0002
R	JOHN E. HARWATT, TERRY D. HARWATT & SHIRLEY MAE NEIL	03-B47-0032.0000
S	CAROL G. DWYER	03-B47-0030.0000
T	MIKE RYNIWEC	03-B42-0034.0000
U	DOUGLAS L. & BELINDA TURNER	03-B42-0035.0000
V	GREGORY K. & PATRICIA M. TURNER	03-B42-0036.0000
W	LEON W. & OLIVE L. TURNER	03-B42-0037.0000
X	RALPH O. & GINA L. SMITH	03-B42-0066.0000
Y	RALPH O. & GINA L. SMITH	03-B42-0067.0000
Z	RALPH O. & GINA L. SMITH	03-B42-0068.0000
AA	RALPH O. & GINA L. SMITH	03-B42-0069.0000
AB	WINDSOR POWER HOUSE COAL COMPANY	03-B42-0055.0000
AC	WINDSOR POWER HOUSE COAL COMPANY	03-B42-0056.0000
AD	WINDSOR POWER HOUSE COAL COMPANY	03-B42-0057.0000
AE	WINDSOR POWER HOUSE COAL COMPANY	03-B42-0053.0000
AF	PHYLLIS P. MARKER	03-B42-0052.0000
AG	ROCCO BASIL	03-B42-0019.0000
AH	RICKEY & DEBRA CONLEY	03-B42-0018.0000
AI	EDWARD E. & NANCY J. CONLEY	03-B42-0016.0000
AJ	EDWARD E. & NANCY J. CONLEY	03-B42-0015.0000
AK	DANIEL R. GORBY	03-B42-0026.0000
AL	DANIEL R. GORBY	03-B42-0003.0000
AM	ELLEN M. STANLEY & ET AL	03-B42-0001.0000
AN	VICTOR CHARLES SMITH	03-B37-0130.0000
AO	CHRISTOPHER SCOTT MILLER	03-B37-0094.0000
AP	KEVIN CHUMNEY	03-B37-0093.0000

REVISIONS:

COMPANY:

**SWN**  
Production Company, LLC

**SWN** <sup>PL</sup> <sub>A</sub> <sup>+</sup> <sub>0</sub>  
Production Company™

OPERATOR'S: LINDA GREATHOUSE BRK

WELL #: 10H

DISTRICT:  
BUFFALO

COUNTY:  
BROOKE

STATE:  
WV

DATE: 02-13-2019  
API #: 47-009-XXXX  
DRAWN BY: D. REED  
SCALE: N/A  
DRAWING NO: 2018-204  
WELL LOCATION PLAT

PROPERTY NUMBER 2501162076  
PAD ID 3001155488