

LATITUDE: 40°15'00" SURFACE HOLE

2088'



www.jhacompanies.com

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

LATITUDE: 40°15'00" BOTTOM HOLE

9720'

LONGITUDE: 80°37'30" SURFACE HOLE

9926'

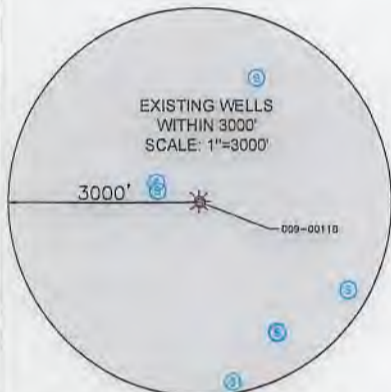
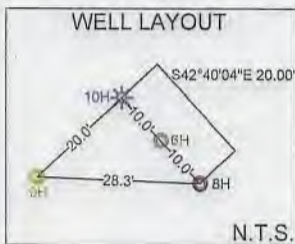
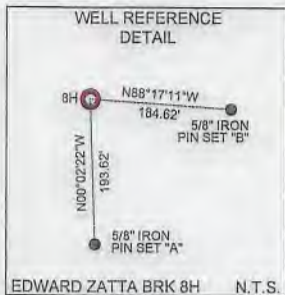
LONGITUDE: 80°35'00" BOTTOM HOLE



LINE	BEARING	DISTANCE
L1	N66°28'19"E	1348.65'
L2	N14°23'12"E	836.16'

NOTES ON SURVEY

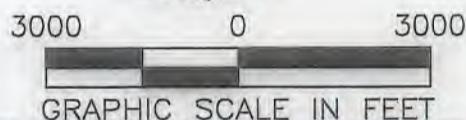
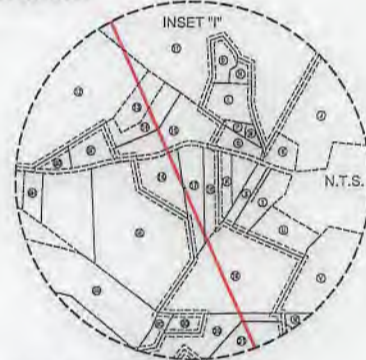
1. COORDINATE SYSTEM IS UTM NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
2. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
3. THIS PLAT DOES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



<b>SURFACE HOLE LOCATION (SHL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4455167.97 EASTING: 531256.51
<b>LANDING POINT LOCATION (LPL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4455940.82 EASTING: 530945.54
<b>BOTTOM HOLE LOCATION (BHL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4452555.64 EASTING: 532506.08

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



COMPANY: **SWN** Production Company, LLC

<p>(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS</p> <p>WVDEP OFFICE OF OIL &amp; GAS 601 57TH STREET CHARLESTON, WV 25034</p>	<p>MINIMUM DEGREE OF ACCURACY: 1/200</p> <p>PROVEN SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)</p>	<p>EDWARD ZATTA BRK</p> <p>OPERATOR'S WELL #: 8H</p> <p>API WELL #: 47 009 00302</p> <p>STATE COUNTY PERMIT</p>
	<p>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"/></p> <p>WATERSHED: UPPER OHIO SOUTH ELEVATION: 1218.4'</p> <p>DISTRICT: BUFFALO COUNTY: BROOKE QUADRANGLE: TILTONVILLE, OH/BETHANY, WV</p> <p>SURFACE OWNER: COSS ROAD FARM, LLC ACREAGE: ±183.28</p> <p>OIL &amp; GAS ROYALTY OWNER: MY THREE SONS HOLDINGS, LP ACREAGE: ±183.28</p> <p>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"/></p> <p>CONVERT <input type="checkbox"/> PLUG &amp; ABANDON <input type="checkbox"/> CLEAN OUT &amp; REPLUG <input type="checkbox"/> OTHER CHANGE <input type="checkbox"/> (SPECIFY)</p> <p>TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 5,867' TVD 19,761' TMD</p>	<p>WELL OPERATOR: SWN PRODUCTION COMPANY, LLC</p> <p>ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201</p> <p>CITY: MORGANTOWN STATE: WV ZIP CODE: 26508</p>

LEGEND:

PROPOSED SURFACE HOLE / BOTTOM HOLE	NATURAL WATERWAY
EXISTING / PRODUCING WELLHEAD	SURVEYED BOUNDARY
LANDING POINT LOCATION	LEASE BOUNDARY
EXISTING WATER WELL	PROPOSED PATH
EXISTING SPRING	PUBLIC ROAD

REVISIONS:	DATE: 08-22-2019
	API NO: 47-009-XXXX
	DRAWN BY: D. REED
	SCALE: 1" = 3000'
	DRAWING NO: 2019-0789
	WELL LOCATION PLAT

WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	COSS ROAD FARM, LLC (S) MY THREE SONS HOLDINGS, LP (R)	03-831-114.0
TRACT	SURFACE OWNER	TAX PARCEL
2	HFS LIMITED LIABILITY COMPANY	03-831-01.0
3	STATE OF WEST VIRGINIA	STATE ROUTE 2
4	WEST VIRGINIA DEPARTMENT OF HIGHWAYS	03-827-11.0
5	HFS LIMITED LIABILITY COMPANY	03-831-02.0
6	STATE OF WEST VIRGINIA	OHIO RIVER
7	COSS ROAD FARM, LLC	03-831-118.0
8	KETH R. FRANCIS	03-831-113.0
9	RANDOLPH L. & TAMMY R. CLARK	03-831-140.0
10	JOSEPH C. & KRISTIE J. GASVOGA	03-831-112.0
11	MASLO FARMS, LLC (A PENNSYLVANIA LLC)	03-832-20.0
12	HWOLD STARKEY	03-831-104.0
13	STEVEN S. MERSON & DEBRA L. MERSON	03-831-101.0
14	STEVEN S. MERSON & DEBRA L. MERSON	03-831-102.1
15	DARY THOMAS	03-831-100.0
16	SHIRRELL HUGGINS	03-831-89.0
17	GORDON & SUSAN MCCLOUD	03-832-168.0
18	LORRIE ELLEN WOOLWINE	03-832-167.0
19	JOHN H. BROWN & KIMBERLY A. NEELEY	03-832-154.0
20	MARLYN LEE BROWN	03-832-152.0
21	KEVIN S. WEEKLEY	03-832-151.0
22	MICHAEL A. TAYLOR	03-837-02.0
23	HARLEY J. LEMASTERS	03-837-01.0
24	LAWRENCE D., JR. & TAMMY LYNN CAMPBELL (L/E: LAWRENCE & JUDY CAMPBELL)	03-837-03.0
25	HARLEY J. & LARRY W. LEMASTERS	03-837-04.0
26	EDWARD MICHAEL EWANKO, SR.	03-837-05.0
27	HARLEY J. LEMASTERS	03-837-21.0
28	SCHAPPA AND COMPANY, INC	03-837-22.0

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	MELINDA B. WOOLWINE	03-832-25.0
B	HFS LIMITED LIABILITY COMPANY	03-832-24.0
C	HFS LIMITED LIABILITY COMPANY	03-832-23.0
D	WILLIAM RUSSELL WALNCHA	03-832-22.2
E	GREGORY DEDDICH	03-832-01.0
F	MARY CATHERINE WALNCHA	03-832-18.0
G	ROBERT BLACKBURN & JAMES BLACKBURN	03-832-21.0
H	DAVID JOSEPH VDERMAN, JR., GEORGE LAWRENCE & ET AL.	03-832-13.0
I	MASLO FARMS, LLC (A PENNSYLVANIA LLC)	03-832-19.0
J	MICHAEL S. & MELISSA D. BILAK	03-832-174.0
K	RUSSELL L. & TINA I. RICE	03-832-174.1
L	JOSEPH J. PETTINI	03-832-172.0
M	JAMES E. TAYLOR	03-832-170.0
N	PAMELA J. HUFF	03-832-172.1
O	PAMELA J. HUFF	03-832-173.0
P	DONALD R. THOMAS (T.O.D. STEVEN L. THOMAS)	03-832-171.0
Q	DONALD R. THOMAS (T.O.D. STEVEN L. THOMAS)	03-832-169.0
R	RODNEY D. SCHERICH	03-832-166.0
S	RICHARD M. CROOKS & DIANE KAY LEMASTERS	03-832-164.0
T	DOROTHY J. MISCH (F.K.A. DOROTHY J. MCGREGOR)	03-832-149.0
U	KENNETH MERSON	03-832-155.0
V	NILA BOYD, CLINTON MCCORD, JOHN MCCORD, REBA MCCORD & CAROLYN JONES	03-832-146.0
W	HARLEY J. LEMASTERS	03-832-149.0
X	HARLEY J. LEMASTERS	03-832-150.0
Y	HARLEY J. LEMASTERS	03-837-09.0
Z	RONDALD D. & JEAN A. TAYLOR	03-837-11.0
AA	HARLEY J. LEMASTERS	03-837-20.0
AB	MICHAEL MCCLOUD	03-837-18.0
AC	MICHAEL A. MCCLOUD	03-837-17.0
AD	THOMAS & CAROLYN CARBASHO	03-837-16.0
AE	THOMAS W. & CAROLYN L. CARBASHO	03-837-15.0
AF	JAMES W. & DENISE L. MYERS	03-837-14.0
AG	HARLEY J. LEMASTERS	03-837-13.0
AH	CITY OF WELLSBURG, COMBINED WATER & SEWER BOARD	03-832-140.2
AJ	KEVIN D. & BRIDGET XOSUT	03-837-42.0
AJ	JAMIE L. CHLER	03-837-43.0
AK	MARK A. CHRISTMAN	03-837-45.0
AL	SCHAPPA AND COMPANY, INC	03-837-23.0
AM	WICKIE C. LOUGHERY & SHEENA R. LOUGHERY	03-837-103.0
AN	RALPH, JR. & CAROL J. WALNCHA	03-837-34.0
AO	RALPH, JR. & CAROL J. WALNCHA	03-837-33.0
AP	JAMES W. & LISA GIBSON	03-837-28.0
AQ	AARON J. & KATIE M. GIBSON	03-837-28.1
AR	ROBERT W. & BRENDA L. FONNER	03-837-27.0
AS	ROBERT W. & BRENDA L. FONNER	03-837-26.0
AT	DEAN S. & KELLY M. MILLER	03-837-25.0
AU	KEVIN N. HUFF (T.O.D. JOHN W. & HELEN L. HUFF)	03-837-24.0
AV	HARLEY J. LEMASTERS	03-837-06.0
AW	CHRISTINE PHILLIPS	03-837-07.0
AX	JOHN M. & ROBIN L. SNYDER	03-837-08.0
AY	KEVIN N. HUFF	03-836-38.0
AZ	MARLYN LEE BROWN	03-836-39.0
BA	LONNIE BLAKE	03-831-89.0
BB	LONNIE & CARRIE R. BLAKE	03-831-92.0
BC	KEVIN R. & SHIRLEY W. FIBER	03-831-93.0
BD	KEVIN R. & SHIRLEY W. FIBER	03-832-153.0
BE	STEVEN L. THOMAS	03-831-98.0
BF	CHERYLL L. STEMPEL	03-831-102.0
BG	CHERYLL L. STEMPEL	03-831-103.0
BH	ARCHE VERNON LUDWIG	03-831-96.0
BI	ARCHE VERNON LUDWIG	03-831-95.0
BJ	CORY LARKINS	03-831-105.0
BK	PAULA FAYE HANCHER & TIMOTHY NALE	03-831-106.0
BL	TIMOTHY L. SR. & JANET L. NOEL	03-831-107.0
BM	ROGER W. & HEATHER N. DOYLE	03-831-108.0
BN	WILLIAM & BEVERLY LOUGH	03-831-110.0
BO	ANDREW ULDM & JEFFREY H. LYNN	03-831-142.0
BP	RANDOLPH & TAMMY CLARK	03-831-141.0
BQ	JOSEPH C. & KRISTIE J. GASVOGA	03-831-111.0
BR	JAMES W. GRIMM	03-831-127.0
BS	KETH R. FRANCIS	03-831-139.0
BT	THOMAS & PAULINE SALEM	03-831-138.0
BU	RODGER & CONNIE SUMMERS	03-831-137.0
BV	JERRY L. & ANGEL L. MCCLELLAND	03-831-136.0
BW	CURTIS R. & DONNA J. BARDING	03-831-135.0
BX	RONALD C. PARKS	03-831-134.0
BY	ROBERT J., SR. & MARGARET E. STEWART	03-831-133.0
BZ	ROBERT J., SR. & MARGARET E. STEWART	03-831-132.0
CA	RAY WALNCHA	03-831-115.0
CB	AUDREY L. HOLDEN	03-831-116.0
CC	BARBARA A. TAYLOR	03-831-117.0
CD	COSS ROAD FARM, LLC	03-831-118.0
CE	HFS LIMITED LIABILITY COMPANY	03-831-04.0
CF	HFS LIMITED LIABILITY COMPANY	03-831-03.0
CG	CAMPBELL TRANSPORTATION COMPANY, INC	03-827-10.0
CH	HFS LIMITED LIABILITY COMPANY	03-827-12.0
CI	JAMES L. & SONDRA K. ELLIOTT	03-831-121.0
CJ	EDWARD MACIAK	03-831-120.0

47 009 00302 H6A

REVISIONS:

COMPANY:

**SWN**  
Production Company, LLC

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

OPERATOR'S

EDWARD ZATTA BRK

WELL #:

8H

DISTRICT:  
BUFFALO

COUNTY:  
BROOKE

STATE:  
WV

DATE: 08-22-2019  
API NO: 47-009-XXXX  
DRAWN BY: D. REED  
SCALE: N/A  
DRAWING NO: 2019-0789  
WELL LOCATION PLAT