

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

5363'

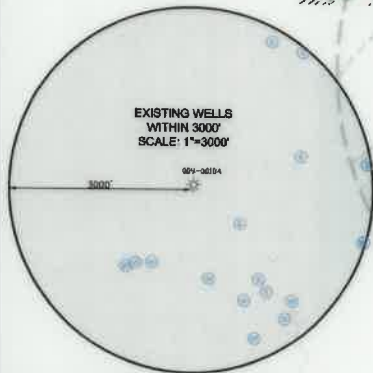
LATITUDE: 40°17'30" BOTTOM HOLE (2000' SCALE)

9681'



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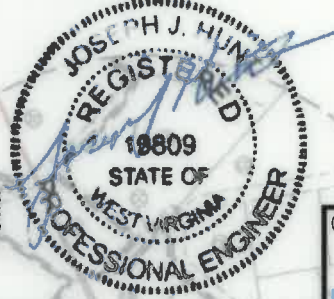
68011 Vineyard Road  
St. Clairsville, Ohio 43950  
740-695-6100



<b>SURFACE HOLE LOCATION (SHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4452134.46 EASTING: 533830.47
<b>LANDING POINT LOCATION (LPL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4452450.43 EASTING: 534642.59
<b>BOTTOM HOLE LOCATION (BHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4457662.94 EASTING: 532490.91
<b>SURFACE HOLE LOCATION (SHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4452134.51 EASTING: 533830.53
<b>LANDING POINT LOCATION (LPL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4452390.84 EASTING: 534663.89
<b>TURNING POINT LOCATION (TPL1):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4453979.74 EASTING: 534099.10
<b>TURNING POINT LOCATION (TPL2):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4455481.47 EASTING: 533419.95
<b>TURNING POINT LOCATION (TPL3):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4456503.25 EASTING: 532933.43
<b>TURNING POINT LOCATION (TPL4):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4457158.97 EASTING: 532649.40
<b>BOTTOM HOLE LOCATION (BHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4457662.35 EASTING: 532488.63

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.E. 19809



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 SURVEY SOURCE OF GRADE GPS ELEVATION: (NAVD 88, US FT)</p>	<p>ROBERT BONE BRK</p> <p>OPERATOR'S WELL #: 405H</p> <p>API WELL #: 47 009 00319</p> <p>STATE COUNTY PERMIT</p>
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WELL TYPE: OIL | WASTE DISPOSAL | PRODUCTION  | DEEP | GAS  | LIQUID INJECTION | STORAGE | SHALLOW

WATERSHED: UPPER OHIO SOUTH | COUNTY: BROOKE | ELEVATION: 1,147.8'

DISTRICT: BUFFALO | QUADRANGLE: BETHANY, STEUBENVILLE EAST

SURFACE OWNER: ROBERT BONE | ACREAGE: ±80.99

OIL & GAS ROYALTY OWNER: ROBERT BONE | ACREAGE: ±80.99

DRILL | DRILL DEEPER | REDRILL | FRACTURE OR STIMULATE | PLUG OFF OLD FORMATION | PERFORATE NEW FORMATION

CONVERT | PLUG & ABANDON | CLEAN OUT & REPLUG | OTHER CHANGE  (SPECIFY) AS-DRILLED

TARGET FORMATION: MARCELLUS | ESTIMATED DEPTH: 5,870' TMD 25,827' TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC | DESIGNATED AGENT: BRITTANY WOODY | DATE: 02-16-2022

ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201 | ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201 | API NO: 47-069-00319

CITY: MORGANTOWN | STATE: WV | ZIP CODE: 26508 | CITY: MORGANTOWN | STATE: WV | ZIP CODE: 26508 | DRAWN BY: R.GRIMES

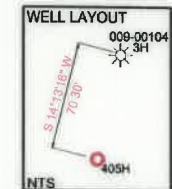
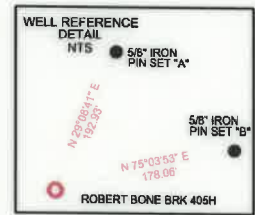
<b>LEGEND:</b>	<ul style="list-style-type: none"> <li>EXISTING WATER WELL</li> <li>EXISTING SPRING</li> <li>EXISTING / PRODUCING WELLHEAD</li> <li>SURVEYED BOUNDARY</li> <li>EXISTING LANDING POINT LOCATION</li> <li>LEASE BOUNDARY</li> <li>PROPOSED SURFACE HOLE / BOTTOM HOLE</li> <li>ASDRILLED PATH</li> <li>PROPOSED LANDING POINT LOCATION</li> <li>PROPOSED PATH</li> </ul>	<p>REVISIONS:</p> <table border="1"> <tr> <td>NO.</td> <td>DATE</td> <td>DESCRIPTION</td> </tr> <tr> <td>1</td> <td>02-16-2022</td> <td>AS-DRILLED</td> </tr> </table>	NO.	DATE	DESCRIPTION	1	02-16-2022	AS-DRILLED
NO.	DATE	DESCRIPTION						
1	02-16-2022	AS-DRILLED						

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

**NOTES ON SURVEY**

- COORDINATE SYSTEM IS UTM NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
- 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.
- THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
- NO DWELLINGS OR BUILDINGS WITHIN 625 FEET OF PROPOSED CENTER OF PAD.
- NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
- NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF THE LIMITS OF DISTURBANCE.
- NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.

LINE	BEARING	DISTANCE
L1	N 55°14'38" E	870.88'
L2	S 78°03'41" E	2,093.92'



8338'

11317'



WELL BORE TABLE FOR SURFACE/ROYALTY OWNERS		
TRACT	SURFACE OWNER(S) / ROYALTY OWNER(S)	TAX PARCEL
1	ROBERT O. BONE (S/R)	03-837-081.0
TRACT	SURFACE OWNER	TAX PARCEL
2	WILLIAM E. & HAZEL E. JOHNSTON	03-837-050.0
3	MARK A. CHRISTMAN	03-837-045.0
4	VINCENT & PHILLIP MAZZELLA	03-837-046.0
5	MAZZELLA WELDING & FABRICATION INC	03-837-046.1
6	JOSEPH C. & PENNY J. MORRIS	03-832-129.0
7	KEVIN R. & SANDRA A. COLLINS	03-832-130.0
8	HAMMOND PUBLIC SERVICE DISTRICT	03-832-135.0
9	BRENNARD L. JR & DONNA J. MILLER (SURVIVOR)	03-832-132.0
10	HARRY & JUDITH ICKES	03-832-133.0
11	SAMUEL HERVEY HUBBARD	03-832-096.0
12	SCHIAPPA & COMPANY, INC	03-832-009.0
13	JAY D. & KAREN SUE RECK	03-832-068.0
14	PATRICIA SAUVAGEOT & GLORIA PREMESA	03-832-069.0
15	WILLIAM WHEAT & CARRIE HIGGS (JTWS)	03-832-070.0
16	WILLIAM WHEAT & CARRIE HIGGS (JTWS)	03-832-071.0
17	MELANIE J. LUNSFORD	03-832-072.0
18	LISH FAMILY TRUST, EDWARD C. & BEATRICE M. LISH TRUSTEES	03-832-073.0
19	WILLIAM R., CAROLYN S., & JESSICA WALNOHA (SURVIVOR)	03-832-007.0
20	ROBIE & GERTRUDE LOUISE MCSHANE	03-827P-030.0
21	JOHN J. FRISCO SR(1/3) & JOSEPHINE IWANYSHN	03-827K-190.0
22	REMOVED	REMOVED
23	REMOVED	REMOVED
24	REMOVED	REMOVED
25	GEORGE & MARIA JUNE KILLIEN	03-827K-199.0
26	RONALD E. & SANDRA L. WILLIAMS	03-827K-198.0
27	RONALD E. & SANDRA L. WILLIAMS	03-827K-197.0
28	LINDA S. WILLIAMS	03-827K-196.0
29	LINDA S. WILLIAMS	03-827K-195.0
30	DANIEL P. LOMBARDI	03-827K-211.0
31	ABANDON RAILWAY SOUTH OF BUFFALO CREEK	03-827K-188.0
32	BROOKE COUNTY BOARD OF EDUCATION	03-827K-212.0
33	STATE OF WEST VIRGINIA, DEPARTMENT OF HIGHWAYS	03-827-004.0
34	STATE OF WEST VIRGINIA, DEPARTMENT OF HIGHWAYS	STATE ROUTE 2
35	STATE OF WEST VIRGINIA, DEPARTMENT OF HIGHWAYS	03-827-011.0
36	CAMPBELL TRANSPORTATION COMPANY INC	03-827-003.0
37	STATE OF WEST VIRGINIA	OHIO RIVER
38	JOHN J. FRISCO SR(1/3) & JOSEPHINE IWANYSHN (2/3)	03-827K-189.0
39	JOHN J. FRISCO SR(1/3) & JOSEPHINE IWANYSHN (2/3)	03-827K-200.0
ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	JOSEPH K. & GLORIA BOWMAN (SURVIVOR)	03-837-070.0
B	JOSEPH K. & GLORIA BOWMAN (SURVIVOR)	03-837-069.1
C	CAROLE SILVER, ETAL	03-837-071.0
D	WILLIAM E. & HAZEL E. BERTY JOHNSTON (SURVIVOR)	03-837-074.1
E	BENJAMIN M. MOSA & CHRISTINE L. HEISE (JTWS)	03-837-074.0
F	BENJAMIN M. MOSA & CHRISTINE L. HEISE (JTWS)	03-837-079.0
G	TERRENCE & SUSAN BONE	03-837-080.0
H	BRIAN K. & GINA M. HANEY (SURVIVOR)	03-837-077.0
I	VEMURI HOME & GARDENS LLC	03-837-082.0
J	DEBRA CYPHERT, ETAL	03-837-088.0
K	DEBRA CYPHERT, ETAL	03-837-091.0
L	SCHIAPPA AND COMPANY INC	03-837-023.0
M	SCHIAPPA AND COMPANY INC	03-837-022.0
N	JAMIE L. OHLER	03-837-043.0
O	VINCENT & PHILLIP MAZZELLA	03-832-128.0
P	KEVIN D. & BRIDGET KOSUT (SURVIVOR)	03-837-042.0
Q	REBECCA L. UHLIY	03-832-139.0
R	DAVID L. & JULIA A. HALL (SURVIVOR)	03-832-136.0
S	KEVIN R. & SANDRA A. COLLINS	03-832-130.1
T	DAVID L. & JULIA A. HALL (SURVIVOR)	03-832-138.0
U	DAVID L. & JULIA A. HALL (SURVIVOR)	03-832-137.0
V	DAVID L. & JULIA A. HALL (SURVIVOR)	03-832-137.1
W	PATRICIA WILLIAMS	03-832-134.0
X	PATRICIA WILLIAMS	03-832-198.0
Y	DAVID MCGOWAN	03-832-190.0
Z	ROBERT G. TREADWAY JR	03-832-188.0
AA	LILIAN MCCORD	03-832-185.0
AB	MASLO FARMS LLC, A PENNSYLVANIA LLC	03-832-019.0
AC	DAVID VIDERMAN ETAL	03-832-013.0
AD	PENNY HAMILTON	03-832-011.0
AE	SCHIAPPA AND COMPANY INC	03-832-010.0
AF	ROBIE & GERTRUDE LOUISE MCSHANE	03-832-030.0
AG	DAVID B. JONES	03-832-008.0
AH	ROBIE & GERTRUDE LOUISE MCSHANE	03-832-029.0
AI	NORMA JEAN LILLY	03-827-017.0
AJ	REMOVED	REMOVED
AK	RANDY M. & BRENDA WILLIAMS (SURVIVOR)	03-827K-202.0
AL	REMOVED	REMOVED
AM	RANDY M. & BRENDA WILLIAMS (SURVIVOR)	03-827K-203.0
AN	RANDY & BRENDA WILLIAMS	03-827K-204.0
AO	ROBERT C. III, & RONICA L. CRISS (SURVIVOR)	03-827K-205.0
AP	ROBERT C. III, & RONICA L. CRISS (SURVIVOR)	03-827K-206.0
AQ	RANDY M. & BRENDA WILLIAMS (SURVIVOR)	03-827K-207.0
AR	RANDY MARK & BRENDA KAY WILLIAMS (SURVIVOR)	03-827K-208.0
AS	RANDY & BRENDA WILLIAMS	03-827K-209.0
AT	ALLEN LEE & DAVID PAUL FORSYTHE	03-827K-210.0
AU	HFS LIMITED LIABILITY COMPANY	03-827-012.0
AV	GREG PROVENZANO	03-827-009.0
AW	CAMPBELL TRANSPORTATION COMPANY INC	03-827-008.0
AX	SMITH REAL ESTATE LLC	03-827-007.0
AY	SMITH REAL ESTATE LLC	03-827-006.0
AZ	SMITH REAL ESTATE LLC	03-827-005.0

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
BA	CAMPBELL TRANSPORTATION COMPANY INC	03-827-010.0
BB	STATE OF WEST VIRGINIA	BUFFALO CREEK
BC	STATE ROAD COMMISSION	03-827K-185.0
BD	STATE ROAD COMMISSION	03-827K-184.0
BE	STATE ROAD COMMISSION	03-827K-183.0
BF	RICHARD H. RINK	03-827K-182.0
BG	SHAWN HUFF	03-827K-181.0
BH	SHAWN HUFF	03-827K-180.0
BI	SHAWN HUFF	03-827K-179.0
BJ	U.S. GOVERNMENT	03-827K-178.0
BK	UNITED STATES OF AMERICA	03-827K-164.0
BL	BEVERLY K. FUCHS	03-827K-159.0
BM	UNKNOWN	03-827L-026.0
BN	THOMAS L. BUTTS	03-827K-001.0
BO	THOMAS L. BUTTS	03-827P-002.0
BP	DANIEL E. & CASSANDRA J. KEENER (SURVIVOR)	03-827K-003.0
BQ	MERLE O. ERNEST	03-827P-002.0
BR	LENGRE L. ROHRBAUGH	03-827P-004.0
BS	JOSEPH PAUL STEIN	03-827P-005.0
BT	EDWARD MACIAK	03-827P-031.0
BU	LUCINDA F. & NIKOLAI A. LUKSHIN (SURVIVOR)	03-827K-050.0
BV	EVA K. & GARY L. ELLIOT (SURVIVOR)	03-827K-084.0
BW	EDWARD W. & LESA M. NICHOLSON	03-827K-082.0
BX	GREGORY DEDITCH	03-832-001.0
BY	RONALD A. PETRUCCIOLI (L/E ROBERT A. & MARIE ELIZABETH PETRUCCIOLI)	03-832-002.0
BZ	RONALD A. PETRUCCIOLI (L/E ROBERT A. & MARIE ELIZABETH PETRUCCIOLI)	03-832-003.0
CA	GLEN A. & SUSAN L. STEWART	03-832-004.0
CB	WILLIAM R. WALNOHA	03-832-005.0
CC	LISH FAMILY TRUST, BEATRICE M. & EDWARD C. LISH TRUSTEES	03-832-006.0
CD	CHRISTOPHER & JAQUELINE SNORDERLY	03-832-052.0
CE	WILLIAM M. & HAZEL ANN CARTE	03-832-059.0
CF	WILLIAM D. & SHIRLEY A. MUSHET	03-832-060.0
CG	JEFFREY P. JACKFERT	03-832-067.0
CH	JAY D. & KAREN S. RECK (SURVIVOR)	03-832G-067.1
CI	HERBERT MCGOWAN	03-832G-067.0
CJ	VEMURI HOME & GARDENS LLC	03-832G-001.0
CK	DIXIE LEE OHLER	03-832G-002.0
CL	KAY A. ELLIOTT	03-832G-003.0
CM	KAY A. ELLIOTT	03-832G-004.0
CN	LARRY MICHAEL & DEBORAH RENEE REED (JTWS)	03-832G-005.0
CO	LARRY M. & DEBORAH R. REED (SURVIVOR)	03-832G-006.0
CP	SCHIAPPA & COMPANY INC	03-832-009.0
CQ	MATTHEW PATRICK TOMSHACK	03-832-088.0
CR	PAUL W. & SUSAN A. FODOR	03-832-089.0
CS	MICHAEL DELLA SEREVICZ	03-832-090.0
CT	JAMES E. & ANNETTE M. BEST (SURVIVOR)	03-832-201.0
CU	ALBERT & LOTTIE STEWART	03-832H-050.0
CV	STARVAGGI INDUSTRIES	03-833-054.0
CW	SAMUEL HERVEY HUBBARD	03-832-097.0
CX	MARK & GEORGIA FEDAK	03-832-099.0
CY	JAMIE L. & LESLIE OHLER (SURVIVOR)	03-832-099.1
CZ	MARK & GEORGIA FEDAK (SURVIVOR)	03-832-100.0
DA	MARK & GEORGIA FEDAK	03-832-101.0
DB	MARK A. & GEORGIA M. FEDAK	03-832-199.0
DC	MARK A. & GEORGIA M. FEDAK	03-832-200.0
DD	MARK & GEORGIA FEDAK (SURVIVOR)	03-832-103.0
DE	LLOYD T. & JUDITH K. VAN HORN (T.O.D. AMY LYNN VAN HORN ETAL)	03-832-104.0
DF	LLOYD T. & JUDITH K. VAN HORN (T.O.D. AMY LYNN VAN HORN ETAL)	03-832-105.0
DG	LLOYD T. VAN HORN	03-832-107.0
DH	RONALD E. & SANDRA LOUISE WILLIAMS	03-832-109.0
DI	BERNARD L. & DONNA J. MILLER	03-832-110.0
DJ	VEMURI HOME & GARDENS LLC	03-832-111.0
DK	VEMURI HOME & GARDEN LLC	03-832-112.0
DL	ANDREA CUTRONE	03-832-113.0
DM	H3 LLC	03-832-114.0
DN	VEMURI HOME & GARDENS LLC	03-832-115.0
DO	ROWDY T. GEORGETTI	03-832-116.0
DP	PHYLLIS MARKER & PATRICIA MARKER-SCHNELL (SURVIVOR)	03-832-127.0
DQ	DWARKA NATH VEMURI, DBA AMERICAN HEART ASSOCIATES	03-837-047.0
DR	RICHARD RODGERS, CHERI SHARP, EDWARD O'DYER ETAL	03-837-048.0
DS	WILLIAM E. & HAZEL E. JOHNSTON (SURVIVOR)	03-837-053.1
DT	BUFFALO CREEK CAMP	03-837-051.0
DU	MARLIN G. SR. & JOY CRAWFORD	03-837-055.0
DV	JOHN E. & SHERRILL J. RIPLEY (SURVIVOR) (L/E WILDA RIPLEY)	03-837-062.0
DW	JOSEPH K. & DIANA R. MENDEL (SURVIVOR)	03-827K-186.0
DX	DIANE MENDEL	03-827-013.0
DY	DIANA W. MENDEL	03-827K-213.0
DZ	DANIEL P. & DARLA ANN LOMBARDI	03-827-016.0
EA	DANIEL P. & DARLA ANN LOMBARDI	03-827-015.0
EB	JOANN KRZYWDIK	03-827K-214.0
EC	LINDA S. WILLIAMS	03-827K-194.0
ED	SADIE PARKS	03-827K-193.0
EE	DONNA A. MAZZELLA	03-837-044.0
EF	HAMMOND PUBLIC SERVICE DISTRICT	03-837-045.1
EG	NILA & STANLEY PATKOWSKI	03-827K-191.0
EH	NILA & STANLEY PATKOWSKI	03-827K-192.1
EI	RONALD E. & SANDRA L. WILLIAMS	03-827K-192.0

03/25/2022

REVISIONS:	COMPANY: <b>SWN</b> Production Company, LLC		DATE: 02-16-2022	
	OPERATOR'S: <b>ROBERT BONE BRK</b>		API NO: 47-069-00319	
	WELL #: <b>405H</b>		DRAWN BY: R.GRIMES	
	DISTRICT: <b>BUFFALO</b>	COUNTY: <b>BROOKE</b>	STATE: <b>N/A</b>	SCALE: <b>N/A</b>
				DRAWING NO: 2017-219
				WELL LOCATION PLAT