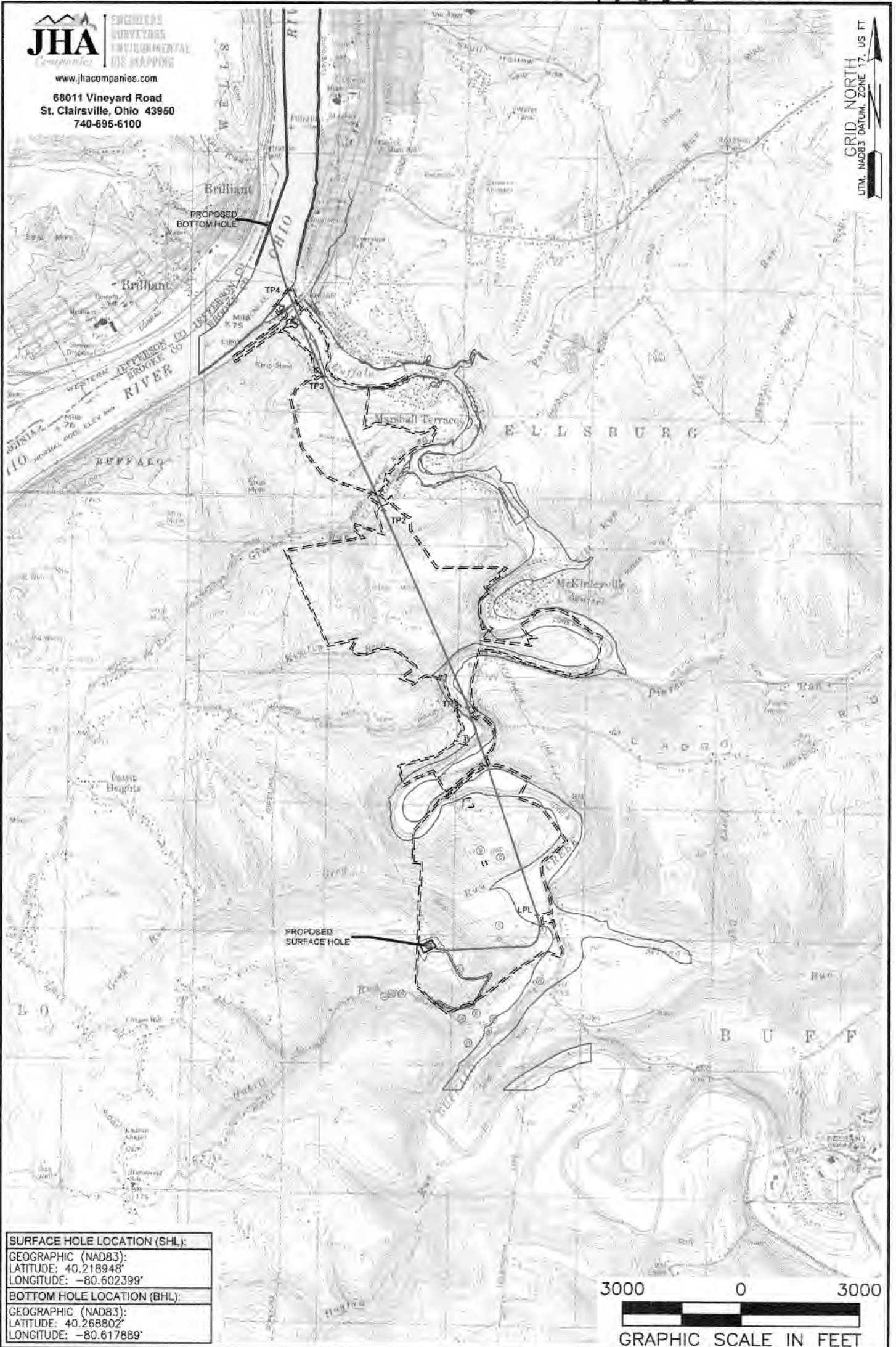
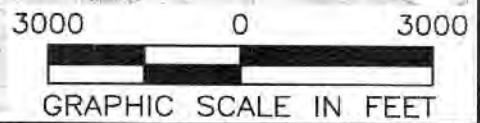


JHA
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 GIS MAPPING
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 68011 Vineyard Road
 St. Clairsville, Ohio 43950
 740-695-6100

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



SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.218948°
LONGITUDE: -80.602399°
BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.268802°
LONGITUDE: -80.617889°



NOTES ON SURVEY

1. 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.
2. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
3. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

LEGEND:

- PROPOSED SURFACE HOLE / BOTTOM HOLE
- ★ EXISTING / PRODUCING WELLHEAD
- LPL* LANDING POINT LOCATION
- FLOOD PLAIN
- NATURAL WATERWAY
- ACCESS ROAD
- PUBLIC ROAD
- ACCESS ROAD TO PREV. SITE
- == LEASE BOUNDARY
- PROPOSED PATH

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	WELL (FARM) NAME: ROBERT BONE BRK	WELL # 405H	SERIAL # XXXX
ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201, MORGANTOWN, WV 26508	COUNTY: BROOKE	CODE: 009	DISTRICT: BUFFALO
SURFACE OWNER: ROBERT BONE	USGS 7 1/2 QUADRANGLE MAP NAME: BETHANY, WV		
		API # 47-009-XXXX	

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

5363'

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

9689'



www.jha.companies.com

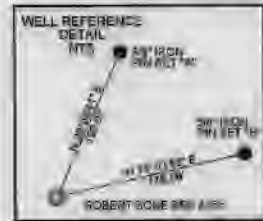
88011 Vineyard Road
St. Clairsville, Ohio 43960
740-696-6100

METERS ON SURVEY

1. COORDINATE SYSTEM IS UTM 18Q DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
2. SURFACE AND ROYALTY OWNER INFORMATION AND OTHER BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TMV PARCEL MAPS SHOWING BY CURVE 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 PERMANENT STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 110 FEET OF THE LIMITS OF DISTURBANCE.
6. NO NATURAL GAS PRODUCING TIGHT STRATA WITHIN 300 FEET OF THE LIMITS OF DISTURBANCE.
7. NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.

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

LINE	BEARING	DISTANCE
L1	N 55°14'36" E	870.88'
L2	S 78°03'41" E	2,093.92'



SURFACE HOLE LOCATION (SHL)
UTM (NAD83, ZONE 17, METERS): NORTHING: 4452134.51 EASTING: 533830.53
LANDING POINT LOCATION (LPL)
UTM (NAD83, ZONE 17, METERS): NORTHING: 4452380.84 EASTING: 534663.89
TURNING POINT LOCATION (TPL1)
UTM (NAD83, ZONE 17, METERS): NORTHING: 4453979.74 EASTING: 534099.10
TURNING POINT LOCATION (TPL2)
UTM (NAD83, ZONE 17, METERS): NORTHING: 4455481.47 EASTING: 533419.95
TURNING POINT LOCATION (TPL3)
UTM (NAD83, ZONE 17, METERS): NORTHING: 4456503.25 EASTING: 532933.43
TURNING POINT LOCATION (TPL4)
UTM (NAD83, ZONE 17, METERS): NORTHING: 4457158.97 EASTING: 532649.40
BOTTOM HOLE LOCATION (BHL)
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.S. 2041



3000 0 3000

GRAPHIC SCALE IN FEET

COMPANY: **SWN** **SWN** ^{LLC}
Production Company, LLC Production Company™

<p>(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS</p> <p>WVDEP OFFICE OF OIL & 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 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</p> <p>DISTRICT: BUFFALO COUNTY: BROOKE</p> <p>SURFACE OWNER: ROBERT BONE</p> <p>OIL & GAS ROYALTY OWNER: ROBERT BONE</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 & ABANDON <input type="checkbox"/> CLEAN OUT & REPLUG <input type="checkbox"/> OTHER CHANGE <input type="checkbox"/> (SPECIFY)</p> <p>TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 5,871' TVD 25,863' TMD</p>	<p>ELEVATION: 1,147.5'</p> <p>QUADRANGLE: BETHANY, STEUBENVILLE EAST</p> <p>ACREAGE: ±80.99</p> <p>ACREAGE: ±80.99</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>	<p>DESIGNATED AGENT: BRITTANY WOODY</p> <p>ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201</p> <p>CITY: MORGANTOWN STATE: WV ZIP CODE: 26508</p>
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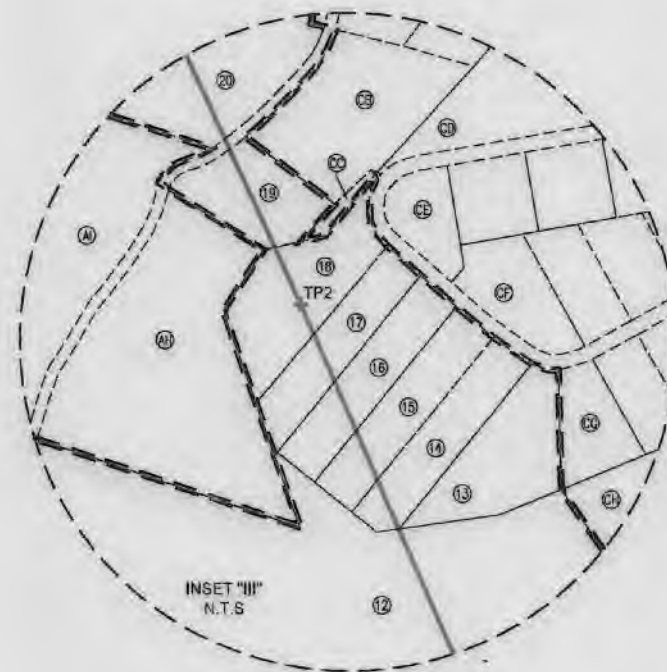
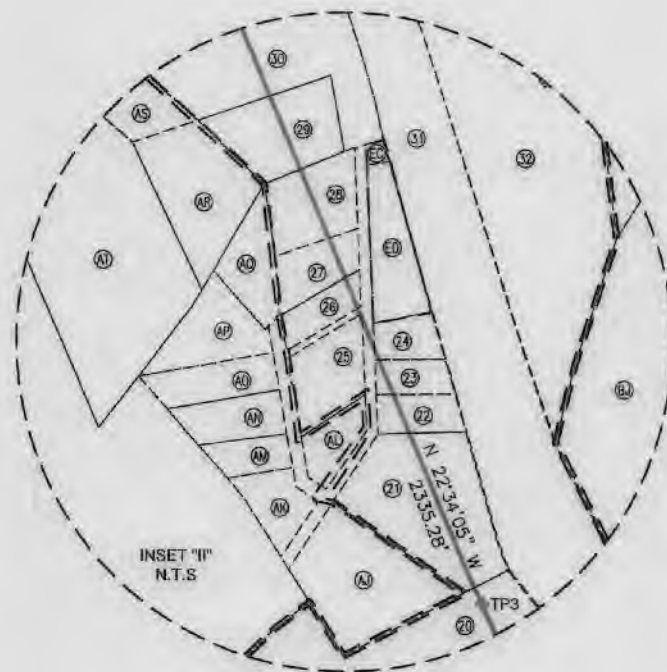
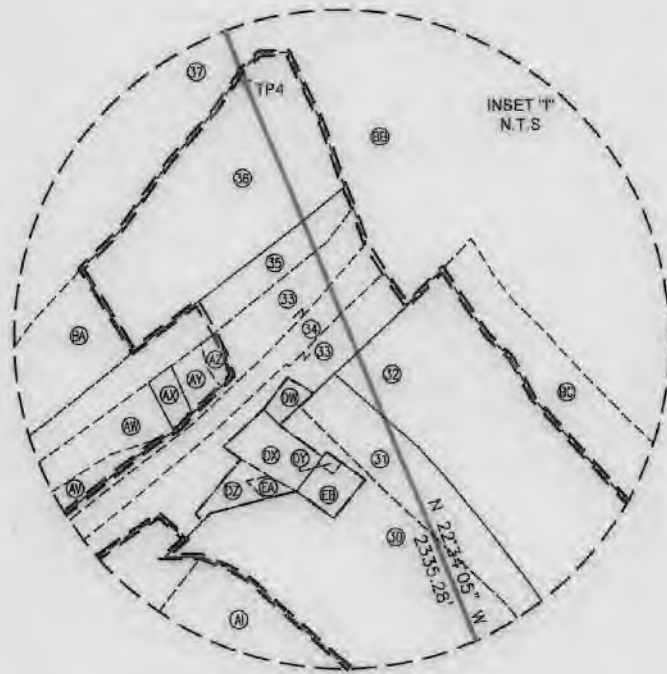
<p>LEGEND:</p> <ul style="list-style-type: none"> ○ PROPOSED SURFACE HOLE / BOTTOM HOLE ⊗ EXISTING / PRODUCING WELLHEAD LPL= LANDING POINT LOCATION ● EXISTING WATER WELL ⊕ EXISTING SPRING — NATURAL WATERWAY — SURVEYED BOUNDARY == LEASE BOUNDARY — PROPOSED PATH — PUBLIC ROAD 	<p>REVISIONS:</p> <p>DATE: 06-18-2020</p> <p>API NO: 47-069-XXXXX</p> <p>DRAWN BY: R.GRIMES</p> <p>SCALE: 1" = 3000'</p> <p>DRAWING NO: 2017-219</p> <p>WELL LOCATION PLAT</p>
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LONGITUDE: 80°35'00" SURFACE HOLE (2000' SCALE)

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

8340'

11317'



REVISIONS:

COMPANY:		SWN Production Company, LLC		SWN ^{PC} / _A ^V / _D Production Company™	
OPERATOR'S		ROBERT BONE BRK		DATE: 06-18-2020	
WELL #:		47-009-00319-HGA 405H		API NO: 47-069-XXXXX	
DISTRICT:		COUNTY:		SCALE:	
BUFFALO		BROOKE		N/A	
		STATE:		DRAWING NO: 2017-219	
		WV		WELL LOCATION PLAT	

WELL BOTTOM TABLE FOR SURFACE/ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TRF PARCELS
1	ROBERT D. BONE (S/R)	03-837-081.0
SURFACE OWNER		
2	WILLIAM E. & HAZEL E. JOHNSTON	03-837-081.0
3	MARK A. CHRISTMAN	03-837-085.0
4	VINCENT & PHILIP MAZZELLA	03-837-086.0
5	MAZZELLA WELDING & FABRICATION INC	03-837-086.1
6	JOSEPH E. & PENNY L. MORRIS	03-837-129.0
7	KEVIN R. & SANDRA A. COLLINS	03-837-130.0
8	HAMMOND PUBLIC SERVICE DISTRICT	03-837-135.0
9	BRENNARD L. JR & DOMINA J. MILLER (SURVIVOR)	03-837-139.0
10	HARRY & JUDITH COLES	03-837-133.0
11	SAMUEL HERVEY HUBBARD	03-837-096.0
12	SCHIAPPA & COMPANY, INC	03-837-000.0
13	JAY D. & KAREN SUE RECK	03-837-008.0
14	PATRICIA SALVAGEDI & GLORIA PREMESA	03-837-068.0
15	WILLIAM WHEAT & CARRIE HIGGS (ITVS)	03-837-070.0
16	WILLIAM WHEAT & CARRIE HIGGS (ITVS)	03-837-071.0
17	MELANIE J. LUNSFORD	03-837-072.0
18	LISH FAMILY TRUST, EDWARD C. & DISTRICT M. LISH TRUSTEES	03-837-073.0
19	WILLIAM E., CAROLYN E., & JESSICA WALNCHA (SURVIVOR)	03-837-007.0
20	ROBBIE & GERTRUDE LOUISE MCSHANE	03-837-030.0
21	JOHN J. FRISCO SR. (1/3) & JOSEPHINE IWANYSH (1/3)	03-837-190.0
22	WILA & STANLEY PATRYNSKI	03-837-131.0
23	NILA & STANLEY PATRYNSKI	03-837-132.1
24	RONALD E. & SANDRA L. WILLIAMS	03-837-132.0
25	GEORGE & MARIA JUNE KILLER	03-837-133.0
26	RONALD E. & SANDRA L. WILLIAMS	03-837-134.0
27	RONALD E. & SANDRA L. WILLIAMS	03-837-135.0
28	LINDA S. WILLIAMS	03-837-136.0
29	LINDA S. WILLIAMS	03-837-136.0
30	DAVID P. LOMBARDI	03-837-211.0
31	ABANDON RAILWAY SOUTH OF BUFFALO CREEK	03-837-138.0
32	BROOKE COUNTY BOARD OF EDUCATION	03-837-212.0
33	STATE OF WEST VIRGINIA, DEPARTMENT OF HIGHWAYS	03-837-054.0
34	STATE OF WEST VIRGINIA, DEPARTMENT OF HIGHWAYS	STATE ROUTE 2
35	STATE OF WEST VIRGINIA, DEPARTMENT OF HIGHWAYS	03-837-011.0
36	CAMPBELL TRANSPORTATION COMPANY INC	03-837-009.0
37	STATE OF WEST VIRGINIA	CHIO RIVER
ADDITIONAL SURFACE TABLE		
TRACT	SURFACE OWNER	TRF PARCELS
A	JOSEPH E. & GLORIA SCHWAB (SURVIVOR)	03-837-086.0
B	JOSEPH E. & GLORIA SCHWAB (SURVIVOR)	03-837-086.1
C	CAROLE SILVER, ETAL	03-837-071.0
D	WILLIAM E. & HAZEL E. BERTY JOHNSTON (SURVIVOR)	03-837-074.1
E	BENJAMIN M. MOSE & CHRISTINE L. HEISE (ITVS)	03-837-074.0
F	BENJAMIN M. MOSE & CHRISTINE L. HEISE (ITVS)	03-837-074.0
G	TERRENCE & SUSAN BONE	03-837-060.0
H	EMAN E. & DINA M. HANEY (SURVIVOR)	03-837-077.0
I	VENURI HOME & GARDENS LLC	03-837-082.0
J	DEBRA CYPHER, ETAL	03-837-080.0
K	DEBRA CYPHER, ETAL	03-837-081.0
L	SCHIAPPA AND COMPANY INC	03-837-023.0
M	SCHIAPPA AND COMPANY INC	03-837-022.0
N	JAMES L. CHILDS	03-837-043.0
O	VINCENT & PHILIP MAZZELLA	03-837-079.0
P	KEVIN D. & BRIDGET KOSUT (SURVIVOR)	03-837-042.0
Q	RENECIA L. HIRLY	03-837-139.0
R	DAVID L. & JULIA A. HALL (SURVIVOR)	03-837-136.0
S	KEVIN R. & SANDRA A. COLLINS	03-837-130.1
T	DAVID L. & JULIA A. HALL (SURVIVOR)	03-837-136.0
U	DAVID L. & JULIA A. HALL (SURVIVOR)	03-837-137.0
V	DAVID L. & JULIA A. HALL (SURVIVOR)	03-837-137.1
W	PATRICIA WILLIAMS	03-837-134.0
X	PATRICIA WILLIAMS	03-837-135.0
Y	DAVID MCGOWAN	03-837-180.0
Z	ROBERT G. TREADWELL JR	03-837-188.0
AA	LILIAN MCCOY	03-837-185.0
AB	MASLO FARMS LLC, A PENNSYLVANIA LLC	03-837-010.0
AC	DAVID VIDERMAN ETAL	03-837-013.0
AD	RENNY HAMILTON	03-837-011.0
AE	SCHIAPPA AND COMPANY INC	03-837-010.0
AF	ROBBIE & GERTRUDE LOUISE MCSHANE	03-837-030.0
AG	DAVID E. JONES	03-837-008.0
AH	ROBBIE & GERTRUDE LOUISE MCSHANE	03-837-029.0
AI	NORRA JEAN LULLY	03-837-017.0
AJ	JOHN J. FRISCO SR. (1/3) & JOSEPHINE IWANYSH (1/3)	03-837-189.0
AK	BANDY M. & BRENDA WILLIAMS (SURVIVOR)	03-837-202.0
AL	JOHN J. FRISCO SR. (1/3) & JOSEPHINE IWANYSH (1/3)	03-837-190.0
AM	BANDY M. & BRENDA WILLIAMS (SURVIVOR)	03-837-203.0
AN	BANDY M. & BRENDA WILLIAMS	03-837-204.0
AO	ROBERT C. III, & ROMICA L. CRISS (SURVIVOR)	03-837-205.0
AP	ROBERT C. III, & ROMICA L. CRISS (SURVIVOR)	03-837-206.0
AQ	BANDY M. & BRENDA WILLIAMS (SURVIVOR)	03-837-207.0
AR	BANDY M. & BRENDA KAY WILLIAMS (SURVIVOR)	03-837-208.0
AS	BANDY M. & BRENDA WILLIAMS	03-837-209.0
AT	ALLEN LEFT & DAVID PAUL FIDRYTHIE	03-837-210.0
AU	HFS LIMITED LIABILITY COMPANY	03-837-012.0
AV	GREG PROVENZANO	03-837-009.0
AW	CAMPBELL TRANSPORTATION COMPANY INC	03-837-008.0
AX	SMITH REAL ESTATE LLC	03-837-007.0
AY	SMITH REAL ESTATE LLC	03-837-006.0
AZ	SMITH REAL ESTATE LLC	03-837-005.0

ADDITIONAL OWNERS TABLE		
TRACT	SURFACE OWNER	TRF PARCELS
BA	CAMPBELL TRANSPORTATION COMPANY INC	03-837-002.0
BB	STATE OF WEST VIRGINIA	BUFFALO CREEK
BC	STATE ROAD COMMISSION	03-837-135.0
BD	STATE ROAD COMMISSION	03-837-134.0
BE	STATE ROAD COMMISSION	03-837-133.0
BF	RICHARD H. WINE	03-837-093.0
BG	SHAWN HUFF	03-837-181.0
BH	SHAWN HUFF	03-837-180.0
BI	SHAWN HUFF	03-837-179.0
BJ	U.S. GOVERNMENT	03-837-178.0
BK	UNITED STATES OF AMERICA	03-837-164.0
BL	BEVERLY K. FUCHS	03-837-159.0
BM	UNKNOWN	03-837-025.0
BN	THOMAS L. BUTTS	03-837-001.0
BO	THOMAS L. BUTTS	03-837-003.0
BP	DANIEL E. & CASSANDRA J. KEENER (SURVIVOR)	03-837-002.0
BQ	MERLE D. ERNEST	03-837-008.0
BR	LEMONS L. ROBBINS BAUGH	03-837-004.0
BS	JOSEPH PAUL STEIN	03-837-005.0
BT	EDWARD MACIAK	03-837-001.0
BU	LUCINDA E. & WICKALIA. LUKSHIN (SURVIVOR)	03-837-000.0
BV	EVA R. & GARY L. ELLIOTT (SURVIVOR)	03-837-004.0
BW	EDWARD W. & LISA M. MICHOLESON	03-837-002.0
BX	GREGORY DEITCH	03-837-001.0
BY	RONALD A. PETRUCCIOLI (1/E ROBERT A. & MARIE ELIZABETH PETRUCCIOLI)	03-837-003.0
BZ	RONALD A. PETRUCCIOLI (1/E ROBERT A. & MARIE ELIZABETH PETRUCCIOLI)	03-837-003.0
CA	GERRI A. & SUSAN L. STEWART	03-837-004.0
CB	WILLIAM WALNCHA	03-837-005.0
CC	LISH FAMILY TRUST, BEATRICE M. & EDWARD C. LISH TRUSTEES	03-837-006.0
CD	CHRISTOPHER & JACQUELINE SNORDERLY	03-837-007.0
CE	WILLIAM M. & HAZEL ANN CARTE	03-837-009.0
CF	WILLIAM D. & SHARLEY A. MUSHET	03-837-061.0
CG	JEFFREY P. JACKPERT	03-837-067.0
CH	JAY D. & KAREN S. RECK (SURVIVOR)	03-837-067.1
CI	HERBERT MCGOWAN	03-837-067.0
CJ	VENURI HOME & GARDENS LLC	03-837-061.0
CK	DOLE LEE OHLER	03-837-002.0
CL	KAY A. ELLIOTT	03-837-003.0
CM	KAY A. ELLIOTT	03-837-004.0
CN	LARRY MICHAEL & DEBORAH REBECCO (ITVS)	03-837-005.0
CO	LARRY M. & DEBORAH R. REBO (SURVIVOR)	03-837-006.0
CP	SCHIAPPA & COMPANY INC	03-837-009.0
CQ	MATTHEW PATRICK TOMENACK	03-837-009.0
CR	PAUL W. & SUSAN A. FODOR	03-837-009.0
CS	MICHAEL DELLA SERVICI	03-837-009.0
CT	JAMES E. & ANNETTE M. BEST (SURVIVOR)	03-837-203.0
CU	ALBERT & LOTTIE STEWART	03-837-050.0
CV	STARBUCK INDUSTRIES	03-837-054.0
CW	SAMUEL HERVEY HUBBARD	03-837-007.0
CX	MARY & GEORGIA FEDAK	03-837-009.0
CY	JAMES L. & LESLIE OHLER (SURVIVOR)	03-837-009.1
CZ	MARY & GEORGIA FEDAK (SURVIVOR)	03-837-100.0
DA	MARY & GEORGIA FEDAK	03-837-101.0
DB	MARY A. & GEORGIA M. FEDAK	03-837-102.0
DC	MARY A. & GEORGIA M. FEDAK	03-837-103.0
DD	MARY & GEORGIA FEDAK (SURVIVOR)	03-837-104.0
DE	LLOYD T. & JUDITH E. VAN HORN (T.O.D. AMY LYNN VAN HORN ETAL)	03-837-104.0
DF	LLOYD T. & JUDITH E. VAN HORN (T.O.D. AMY LYNN VAN HORN ETAL)	03-837-105.0
DG	LLOYD T. VAN HORN	03-837-106.0
DH	RONALD E. & SANDRA LOUISE WILLIAMS	03-837-109.0
DI	BERNARD L. & DOMINA J. MILLER	03-837-110.0
DJ	VENURI HOME & GARDENS LLC	03-837-111.0
DK	VENURI HOME & GARDENS LLC	03-837-112.0
DL	ANGREA CUFORNE	03-837-113.0
DM	HS LLC	03-837-114.0
DN	VENURI HOME & GARDENS LLC	03-837-115.0
DO	ROWDY T. GEORGETTI	03-837-116.0
DP	PHYLLIS WARKER & PATRICIA WARKER-SCHMEL (SURVIVOR)	03-837-127.0
DQ	DWARNA NATH VENURI, DBA AMERICAN HEART ASSOCIATES	03-837-047.0
DR	RICHARD RODGERS, CHERI SHARP, EDWARD OPIPER ETAL	03-837-088.0
DS	WILLIAM E. & HAZEL E. JOHNSTON (SURVIVOR)	03-837-053.1
DT	BUFFALO CREEK CAMP	03-837-051.0
DU	MARVIN G. SR. & JOY CRAWFORD	03-837-086.0
DV	JOHN E. & SHERILL J. RIPLEY (SURVIVOR) (1/E WILDA RIPLEY)	03-837-082.0
DW	JOSEPH E. & GLORIA S. SCHWAB (SURVIVOR)	03-837-086.0
DX	THANE MENDEL	03-837-011.0
DY	DIANA W. MENDEL	03-837-211.0
DZ	DANIEL P. & DARLA ANN LOMBARDI	03-837-015.0
EA	DANIEL P. & DARLA ANN LOMBARDI	03-837-015.0
EB	JOANN KREYNWIDR	03-837-214.0
EC	LINDA S. WILLIAMS	03-837-194.0
ED	SARIE PARKS	03-837-193.0
EE	DIANNA A. MAZZELLA	03-837-048.0
EF	HAMMOND PUBLIC SERVICE DISTRICT	03-837-045.1

REVISIONS:	COMPANY: SWN Production Company, LLC		DATE: 06-18-2020	
	OPERATOR'S: ROBERT BONE BRK		API NO: 47-069-XXXX	
	WELL #: 47-009-00317-46A 405H		DRAWN BY: R.GRIMES	
	DISTRICT: BUFFALO	COUNTY: BROOKE	STATE: WV	SCALE: N/A
				DRAWING NO: 2017-219
				WELL LOCATION PLAT

COMPLETION ID: 2501168470
PAD ID: 3001155606