

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

10889'

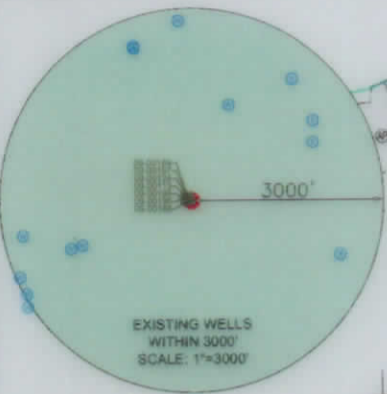
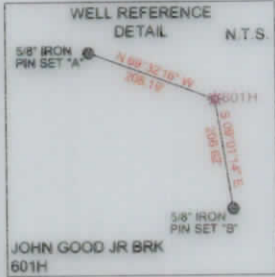
LATITUDE: 40°17'30" BOTTOM HOLE (2000' SCALE)

7221'



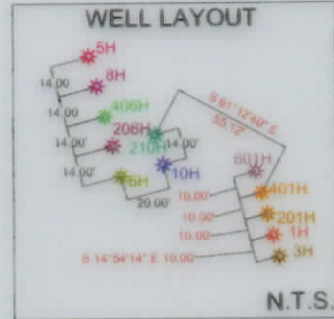
www.jhacompanies.com

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



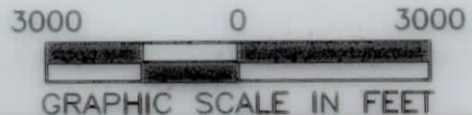
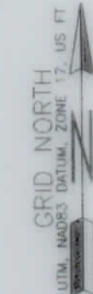
NOTES ON SURVEY

- 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 TRIBUTARY 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	N20°55'09"W	1673.34'
L2	S24°51'44"E	724.59'

SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4452682.07 EASTING: 535694.70
LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4452399.41 EASTING: 534907.09
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4456386.23 EASTING: 533245.59
SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4452682.04 EASTING: 535694.71
LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4452427.78 EASTING: 534892.26
TURNING POINT LOCATION 1 (TPL 1):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4454034.33 EASTING: 534324.13
TURNING POINT LOCATION 2 (TPL 2):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4455601.61 EASTING: 533631.98
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4456387.46 EASTING: 533248.16



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

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

WVDEP
OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25034

MINIMUM DEGREE OF ACCURACY: 1/200

PROVEN SURVEY SOURCE OF GRADE GPS ELEVATION: (NAVD 88, US FT)

COMPANY: SWN Production Company, LLC

OPERATOR'S WELL #: JOHN GOOD JR BRK 601H

API WELL #: 47 STATE 009 COUNTY 00324 PERMIT

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

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1153.3'

DISTRICT: BUFFALO COUNTY: BROOKE QUADRANGLE: BETHANY WV & STEUBENVILLE EAST OH

SURFACE OWNER: JOHN PRATHER GOOD JR IRREVOCABLE TRUST ACREAGE: ±66.57

OIL & GAS ROYALTY OWNER: JOHN PRATHER GOOD JR IRREVOCABLE TRUST ACREAGE: ±66.57

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

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

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 5,884' TVD 21,182' TWD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC
ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201
CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

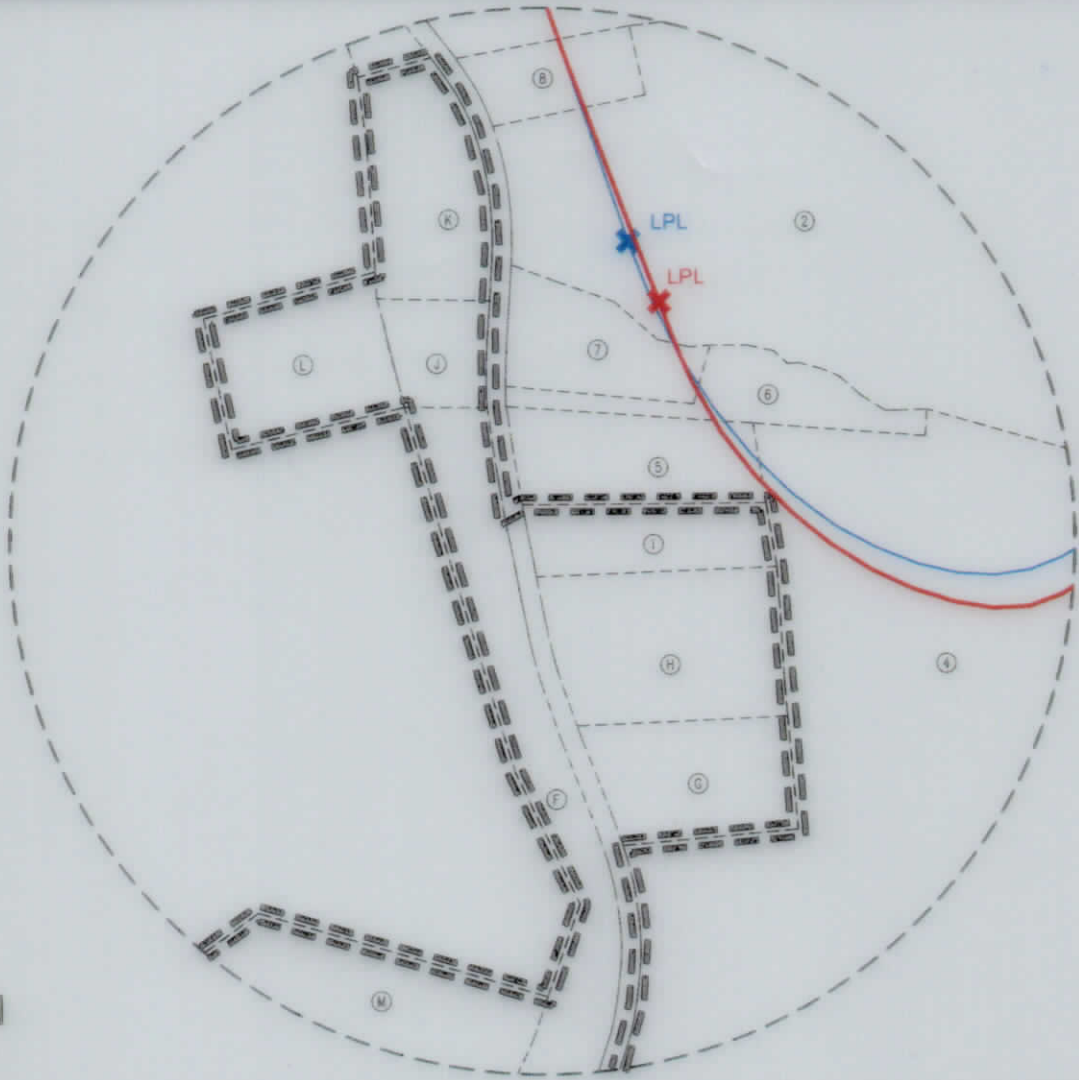
DESIGNATED AGENT: BRITTANY WOODY
ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201
CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

LEGEND:

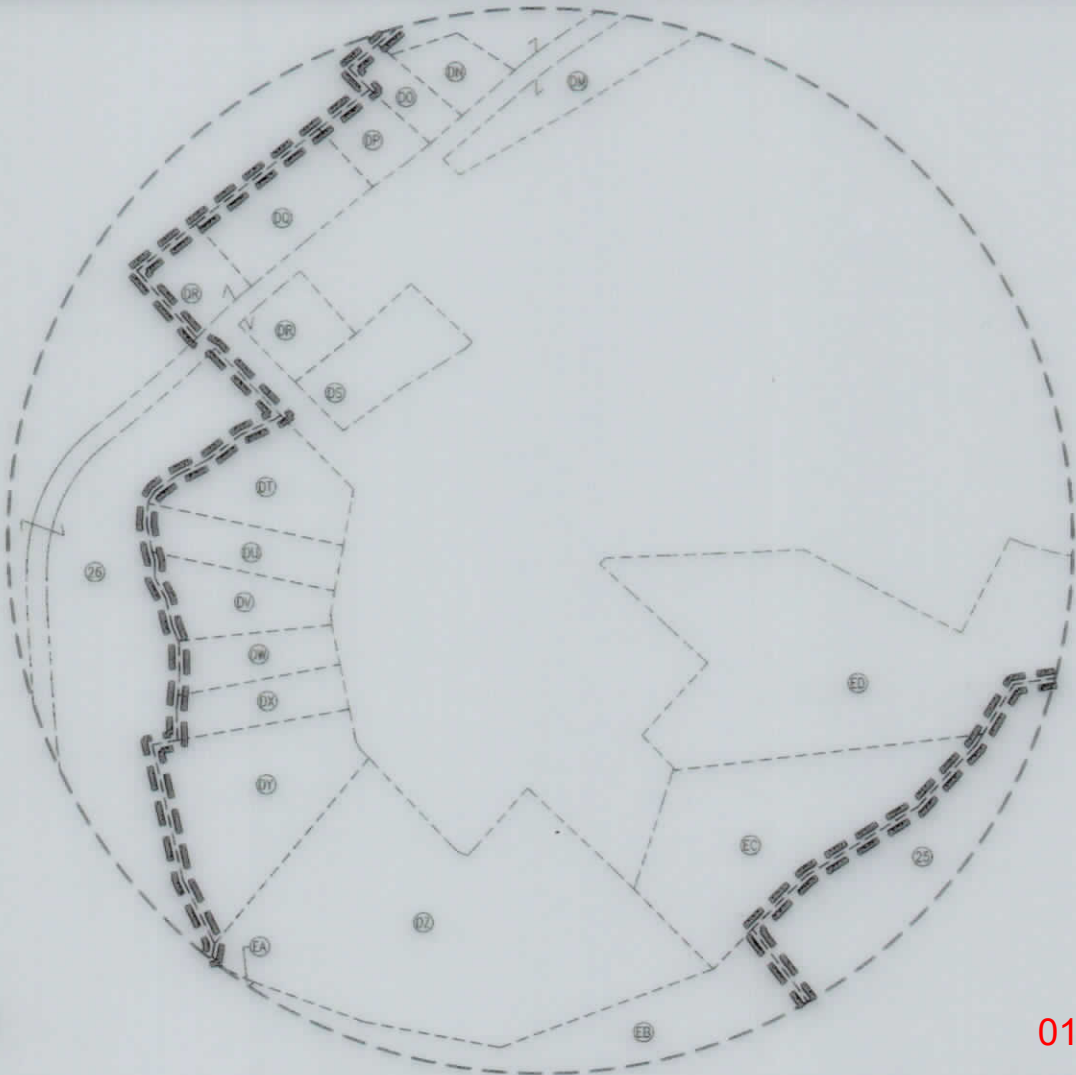
EXISTING BOTTOM HOLE	ACCESS ROAD
EXISTING / PRODUCING WELLHEAD	PUBLIC ROAD
EXISTING LANDING POINT LOCATION	FLOOD PLAIN
PROPOSED SURFACE HOLE / BOTTOM HOLE	LEASE BOUNDARY
PROPOSED LANDING POINT LOCATION	AS-DRILLED PATH
	PROPOSED PATH

REVISIONS:

NO.	DATE	DESCRIPTION
1	09-29-2021	DATE: 09-29-2021
2		API NO: 47-009-00324
3		DRAWN BY: R.GRIMES
4		SCALE: 1" = 3000'
5		DRAWING NO: 2020-0714
6		WELL LOCATION PLAT



INSET I
N.T.S.

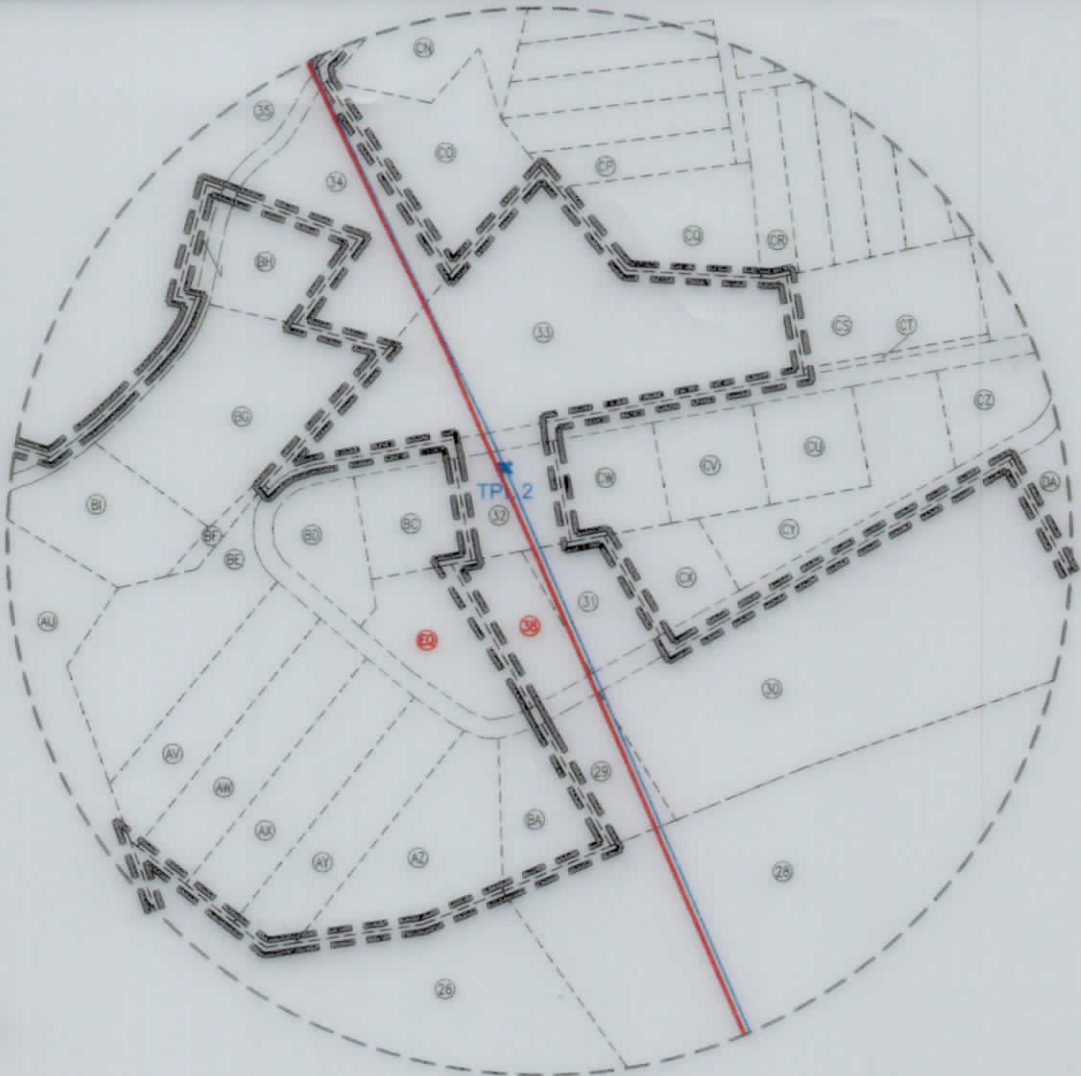


INSET II
N.T.S.

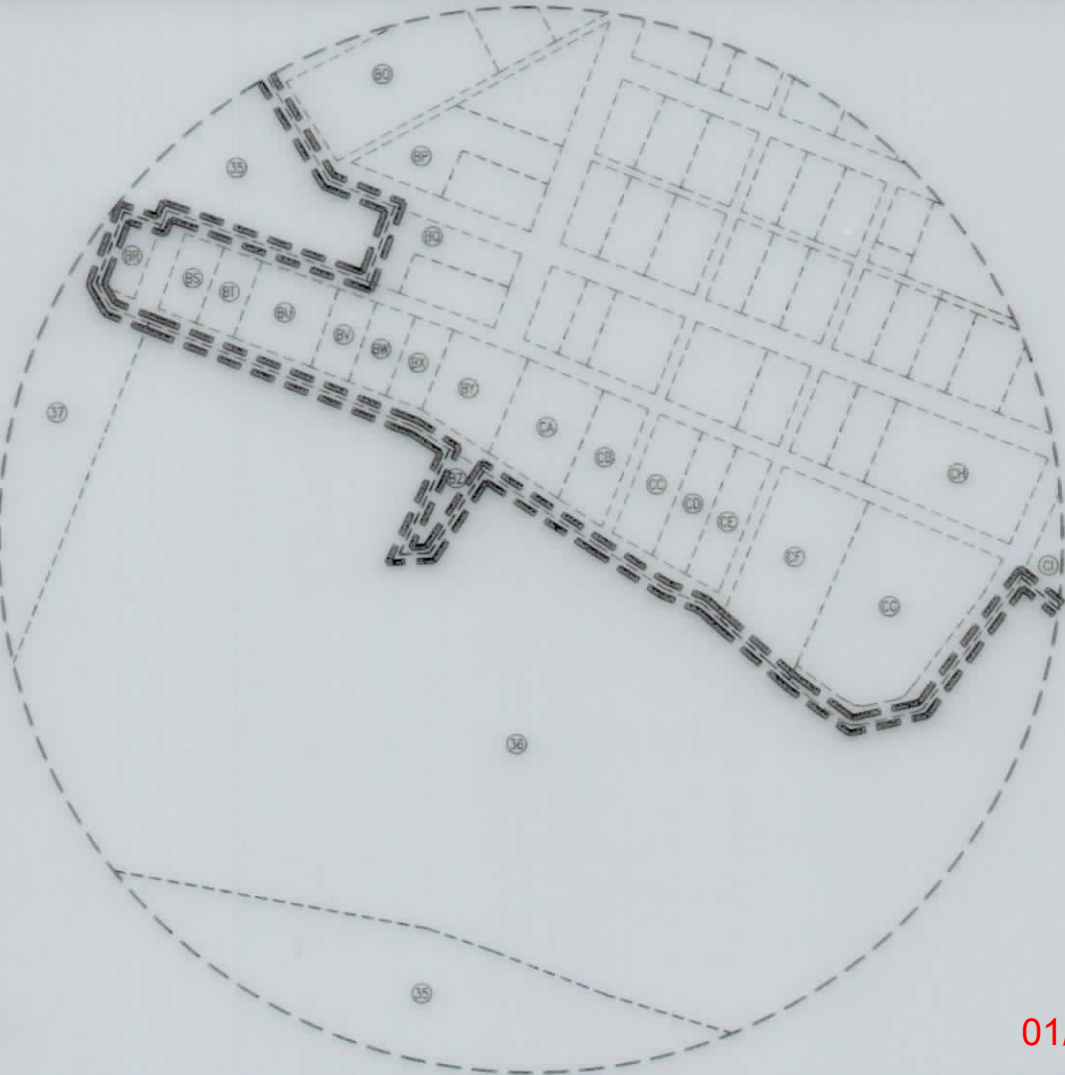
01/21/2022

REVISIONS:

COMPANY:		 	
OPERATOR'S		JOHN GOOD JR BRK	
WELL #:		601H	
DISTRICT:	COUNTY:	STATE:	DATE: 09-29-2021
BUFFALO	BROOKE	WV	API NO: 47-009-00324
			DRAWN BY: R.GRIMES
			SCALE: N/A
			DRAWING NO: 2020-0714
			WELL LOCATION PLAT



INSET III
N.T.S.



INSET IIII
N.T.S.

01/21/2022

REVISIONS:			
	COMPANY:	JOHN GOOD JR BRK	
	OPERATOR'S	601H	
	WELL #:	DISTRICT:	DATE: 09-29-2021
		BUFFALO	API NO: 47-009-00324
		COUNTY:	DRAWN BY: R.GRIMES
		BROOKE	SCALE: N/A
		STATE:	DRAWING NO: 2020-0714
		WV	WELL LOCATION PLAT

WELL BORE, TAB E FOR SURFACE/ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	GOOD JOHN PRATHER JR IRREVOCABLE TR DTD 4/11 (S)/(R)	03-B38-001.0
SURFACE OWNERS		
2	STARVAGGI INDUSTRIES INC	03-B37-053.0
3	CRAWFORD MARLIN G SR & JOY H (SURV)	3-B37-53.7
4	RIPLEY JOHN E & SHERRILL J (SURV) (L EST- WILDA RIPLEY)	3-B37-62
5	JEFFREY D LOY AND KATRENA M LOY (SURV)	3-B37-56
6	CRAWFORD MARLIN G SR & JOY (SURV)	3-B37-55
7	SMITH LAWRENCE PAUL SR	3-B37-54
8	LISA MARIE BLACK	3-B37-52
9	RODGERS RICHARD, SHARP CHERI, O'DYER EDWARD ETAL	3-B37-46
10	JOHNSTON WILLIAM E & HAZEL E (SURV)	3-B37-50
11	CHRISTMAN MARK A	3-B37-45
12	MEMURI DWARKA NATH DRA AMERICAN HEART ASSOCIATES LUKACENA, BONNIE LEE; SCHEUTZNER, SHAYNE, SCHEUTZNER, SHANON; CARRELL, SHELBY, SCHEUTZNER, SNEY	3-B37-49
14	MAZZELLA WELDING & FABRICATION INC	3-B37-46
15	MAZZELLA WELDING & FABRICATION INC	3-B37-46.1
16	GEORGETTI ROWDY I	3-B32-116
17	TOMSHACK MATTHEW P	3-B32-99.4
18	PAMELA S. MERCER	3-B32-99.3
19	FEDAK MARK & GEORGIA	3-B32-99
20	STATE OF WEST VIRGINIA DEPARTMENT OF TRANSPORTATION	PIERCE RUN RD
21	FEDAK MARK & GEORGIA (SURV)	3-B32-103
22	FEDAK MARK A & GEORGIA M	3-B32-900
23	STATE OF WEST VIRGINIA DEPARTMENT OF TRANSPORTATION	BETHANY PIKE
24	ICKES HARRY & JUDITH (SURV)	3-B32-133
25	HUBBARD SAMUEL HERVEY	3-B32-96
26	SCHIAPPA & COMPANY INC	3-B32-9
27	MCGOWAN HERBERT	3-B326-67
28	BECK JAY D & KAREN S (SURV)	3-B326-67.1
29	JACKFERT JEFFREY P	3-B32-86
30	MARTINO STEVE D & MARY CHRISTINE	3-B32-64
31	JACKFERT JEFFREY P	3-B32-62
32	JACKFERT JEFFREY P	3-B32-57
33	SNODDERLY CHRISTOPHER & JACQUELINE (SURV)	3-B32-52
34	PETRUCCIOLI RONALD (LE- ROBERT A & MARIE ELIZABETH)	3-B32-3
35	ROBIE GERTRUDE LOUISE MCSHANE	3-B27P-30
36	LUSHIN LUCINDA	3-B27P-50
37	MACIAK EDWARD	3-B27P-31
38	JACKFERT JEFFREY P	3-B32-61
ADDITIONAL OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	JACKSON MARY JANE T. O. D. E- TAL	3-B33-60.0
B	PROELLOCHS JOHN H JR, RAY KEVIN & JODY	3-B38-7.0
C	FEDAK MARK A & GEORGIA M (SURV)	3-B38-14.0
D	BETHANY COLLEGE	3-B38-31.0
E	PELUCCHETTE FAMILY TRUST	3-B37-63.0
F	RIPLEY JOHN E & SHERRILL J (SURV) (L EST- WILDA RIPLEY)	3-B37-62.0
G	RIPLEY JOHN E & SHERRILL J (SURV)	3-B37-61
H	POLEN TRAVIS	3-B37-59
I	PERSINGER JEREMY S	3-B37-57
J	CRAWFORD MARLIN G SR & JOY (SURV)	3-B37-55
K	JOHNSTON WILLIAM E & HAZEL E (SURV)	3-B37-53.1
L	BUFFALO CREEK CAMP	3-B37-51
M	BOWMAN JOSEPH K & GLORIA	3-B37-70
N	BOWMAN JOSEPH K SR & GLORIA J (SURV)	3-B37-69.1
O	SILVER CAROLE; MCDONALD CAYMAN; FERGUSON JENNIFER ETAL	3-B37-71
P	JOHNSTON WILLIAM E & HAZEL E BERTY (SURV)	3-B37-74.1
Q	BONE ROBERT O	3-B37-81
R	CYPHERT DEBRA- 1/4 FAIR MATTHEW 1/4 ETAL	3-B37-88
S	CYPHERT DEBRA- 1/4 FAIR MATTHEW 1/4 ETAL	3-B37-91
T	SCHIAPPA AND COMPANY INC	3-B37-23
U	SCHIAPPA AND COMPANY INC	3-B37-22
V	OHLER JAMIE L	3-B37-43
W	MAZZELLA VINCENT & PHILLIP	3-B32-126
X	MORRIS JOSEPH C & PENNY J	3-B32-129
Y	MEMURI HOME & GARDENS LLC	3-B32-115
Z	IB LLC	3-B32-114
AA	MERCER PAMELA SUE	3-B32-99.2
AB	WILLIAMS RONALD E & SANDRA L	3-B32-109
AC	VAN HORN LLOYD T	3-B32-108
AD	VAN HORN LLOYD T & JUDITH K T O D AMY LYNN ET AL	3-B32-105
AE	VAN HORN LLOYD T & JUDITH K T O D AMY LYNN ET AL	3-B32-106
AF	VAN HORN LLOYD T & JUDITH K TOD AMY LYNN ETAL (JTWS)	3-B32-104
AG	VAN HORN LLOYD T	3-B32-107
AH	MILLER BERNARD L JR & DONNA J	3-B32-132
AI	HAMMOND PUBLIC SERVICE	3-B32-135
AJ	WILLIAMS PATRICIA	3-B32-134
AK	WILLIAMS PATRICIA	3-B32-138
AL	MCGOWAN DAVID	3-B32-190
AM	TREDWAY ROBERT G JR	3-B32-188
AN	MCCORD LILLIAN	3-B32-185
AO	MASLO FARMS LLC A PENNSYLVANIA LLC	3-B32-15
AP	VIDERMAN DAVID JOSEPH JR GEORGE ETAL	3-B32-13
AQ	HAMILTON PENNY	3-B32-11
AR	SCHIAPPA AND COMPANY INC	3-B32-10
AS	ROBIE GERTRUDE LOUISE MCSHANE	3-B32-30
AU	JONES DAVID B	3-B32-8
AV	LUNSFORD MELANIE J	3-B32-72
AW	WHEAT WILLIAM & HIGGS CARRIE (JTWS)	3-B32-71
AX	WHEAT WILLIAM & HIGGS CARRIE (JTWS)	3-B32-70
AY	SALVAGEOT PATRICIA PREMESA GLORIA	3-B32-69
AZ	BECK JAY D & KAREN SUE	3-B32-68
BA	BECK JAY D & KAREN SUE (JTWS)	3-B32-67
BB	REMOVED	

ADDITIONAL OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
BC	HAAS JOSEPH E	3-B32-58
BD	CARTE WILLIAM M & HAZEL ANN (SURV)	3-B32-59
BE	LISH FAMILY TRUST LISH EDWARD C BEATRICE M TRUSTEES	3-B32-73
BF	LISH FAMILY TRUST LISH BEATRICE MEDWARD C	3-B32-6
BG	WALNOHA WILLIAM R	3-B32-5
BH	STEWART GLENN A & SUSAN L	3-B32-4
BI	WALNOHA WILLIAM R, CAROLYN S, JESSICA (SURV)	3-B32-7
BJ	ROBIE GERTRUDE LOUISE MCSHANE	3-B32-29
BK	FORSYTHE PAUL D & PAMELA M (JTWS)	3-B27-17
BL	FRISCO JOHN J SR- 1/3 WANYSYN JOSEPHINE- 2/3	3-B27K-189
BM	FRISCO JOHN J SR- 1/3 WANYSYN JOSEPHINE- 2/3	3-B27K-190
BN	ABANDONED RAILROAD SOUTH OF BUFFALO CREEK	3-B27K-188
BO	STEIN JOSEPH PAUL	3-B27P-5
BP	GOFF TERRY SUE	3-B27P-7
BQ	WILLIAMS MARTHA K	3-B27P-9
BR	MINDA MICHAEL F JR & TAMMY K (SURV)	3-B27P-11
BS	MINDA MICHAEL F JR & TAMMY K (SURV)	3-B27P-12
BT	MINDA MICHAEL F JR & TAMMY K (SURV)	3-B27P-13
BU	MINDA MICHAEL F JR & TAMMY K (SURV)	3-B27P-14
BV	LAW RUTH M	3-B27P-15
BW	LAW RUTH M	3-B27P-16
BX	WALNOHA JOSEPH L & JANICE	3-B27P-17
BY	KISNER WILLIAM CUNTON	3-B27P-18
BZ	STEWART JOHN WAYNE	3-B27P-22
CA	KISNER WILLIAM C	3-B27P-19
CB	HARTZELL JOANNE K	3-B27P-20
CC	HARTZELL JOANNE L	3-B27P-49
CD	HARTZELL JOANNE L	3-B27P-48
CE	WILLIAMS STEVEN E & JESSICA (SURV)	3-B27P-47
CF	WILLIAMS STEVEN E & JESSICA N (SURV)	3-B27P-46
CG	WALLACE JAMES	3-B27P-43
CH	WALLACE JAMES O	3-B27P-42
CI	LUCINDA FAY LUKSHIN	3-B27P-51
CJ	HARVEY MICHAEL L & MARSHA L (SURV)	3-B27P-52
CK	OSSMAN ROBERT E JR & LORRAINE	3-B27P-53
CL	GEORGIANN M DAY AND EVERETT H DAY (JTWS)	3-B27P-84
CM	NICHOLSON EDWARD W & LESA M	3-B27P-82
CN	DEITCH GREGORY	3-B32-1
CO	PETRUCCIOLI RONALD A (LE- ROBERT A & MARIE ELIZABETH)	3-B32-2
CP	YANO KURT MICHAEL (LE- FRANK A & KATHERINE YANO)	3-B32-41
CQ	YANO KURT MICHAEL (LE- FRANK A & KATHERINE YANO)	3-B32-42
CR	ROCKEY DEBRA K (TOD USA MARIE ROCKEY- MCCUNE AND MATTHEW JAMES ROCKEY)	3-B32-43
CS	MARLIN G. CRAWFORD	3-B32-50
CT	MARLIN G. CRAWFORD	3-B32-51
CU	JACKFERT JEFFREY P	3-B32-54
CV	JACKFERT JEFFREY P	3-B32-55
CW	JACKFERT JEFFREY P	3-B32-56
CX	JACKFERT JEFFREY P	3-B32-63
CY	MARTINO STEVE D & MARY CHRISTINE (SURV)	3-B32-64
CZ	STEVEN D. MARTINO AND MARY C. MARTINO	3-B32-53
DA	STEVEN D. MARTINO AND MARY C. MARTINO	3-B32-65
DB	PRATZ GARY LEE & HANNAH JANE	3-B32-74
DC	WOODBURN ERIC J	3-B32-75
DD	OHLER LESLIE R & JOSEPHINE L (TOD) OHLER JAMIE	3-B32-76
DE	COLLEY MELVIN A & ALBERTA M	3-B32-78
DF	SMITHONY	3-B32-79
DG	BLACK KATH	3-B32-80
DH	BLACK GINNY LEE	3-B32-81
DI	TAYLOR SYLVIA	3-B32-82
DJ	TAYLOR WAYNE & SYLVIA (SURV)	3-B326-66
DK	STEWART TERRY STEWART CHARLOTTE M (JTWS)	3-B32H-1
DL	MCGOWAN HERBERT	3-B326-67
DM	MEMURI HOME & GARDENS LLC	3-B326-1
DN	OHLER DIXIE LEE	3-B326-2
DO	JAMES SCOTT GEAR	3-B326-3
DP	JAMES SCOTT GEAR	3-B326-4
DQ	REED LARRY MICHAEL DEBORAH RENEE (JTWS)	3-B326-5
DR	REED LARRY M & DEBORAH R (SURV)	3-B326-6
DS	UNKNOWN	3-B326-63
DT	OHLER ROBERT F & ANNA	3-B326-7
DU	FOX JOHN H	3-B326-8
DV	BEST JAMES E ANNETTE M (JTWS)	3-B326-9
DW	BEST JAMES E ANNETTE M (JTWS)	3-B326-10
DX	TOMSHACK MATTHEW PATRICK	3-B326-11
DY	TOMSHACK MATTHEW PATRICK	3-B32-88
DZ	FODOR PAUL W & SUSAN A	3-B32-89
EA	HUBBARD SAMUEL HERVEY	3-B32-96
EB	SREVICZ MICHAEL AND DEILA (JTWS)	3-B32-90
EC	BEST JAMES E & ANNETTE M (SURV)	3-B32-201
ED	STEWART ALBERT & LOTTIE	3-B32H-50
EE	STARVAGGI IND	3-B32-54
EF	HUBBARD SAMUEL HERVEY	3-B32-97
EG	MATTHEW P. TOMSHACK AND APRIL D. ELTRINGHAM (SURV)	3-B32-98
EH	OHLER JAMIE L & LESLIE (SURV)	3-B32-99.1
EI	GOOD JOHN P III; JOHNSTON KENNETH D (SURV)	3-B32-117
EJ	MARSH LIVING TRUST 1/28/13 (TRUS- PHYLLIS MARSH)	3-B32-118
EK	GOOD JOHN PRATHER III THOMAS LAURIE (SURV)	3-B32-119
EL	BIRDSALL BRIAN	3-B32-120
EM	GOOD JOHN PRATHER JR IRREVOCABLE TR DTD 4/11	3-B32-57
EN	MARKER PHYLLIS; MARKER- SCHNELL PATRICIA (SURV)	3-B32-127
EO	MAZZELLA DONNA A	3-B32-44
EP	HAMMOND PUBLIC SERVICE DISTRICT	3-B32-45.1
EO	MUSKET SHIRLEY A	3-B32-60

01/21/2022

REVISIONS:	COMPANY: SWN Production Company, LLC		DATE: 09-29-2021	
	OPERATOR'S: JOHN GOOD JR BRK		API NO: 47-009-00324	
	WELL #: 601H		DRAWN BY: R.GRIMES	
	DISTRICT: BUFFALO	COUNTY: BROOKE	STATE: WV	SCALE: N/A
				DRAWING NO: 2020-0714
				WELL LOCATION PLAT