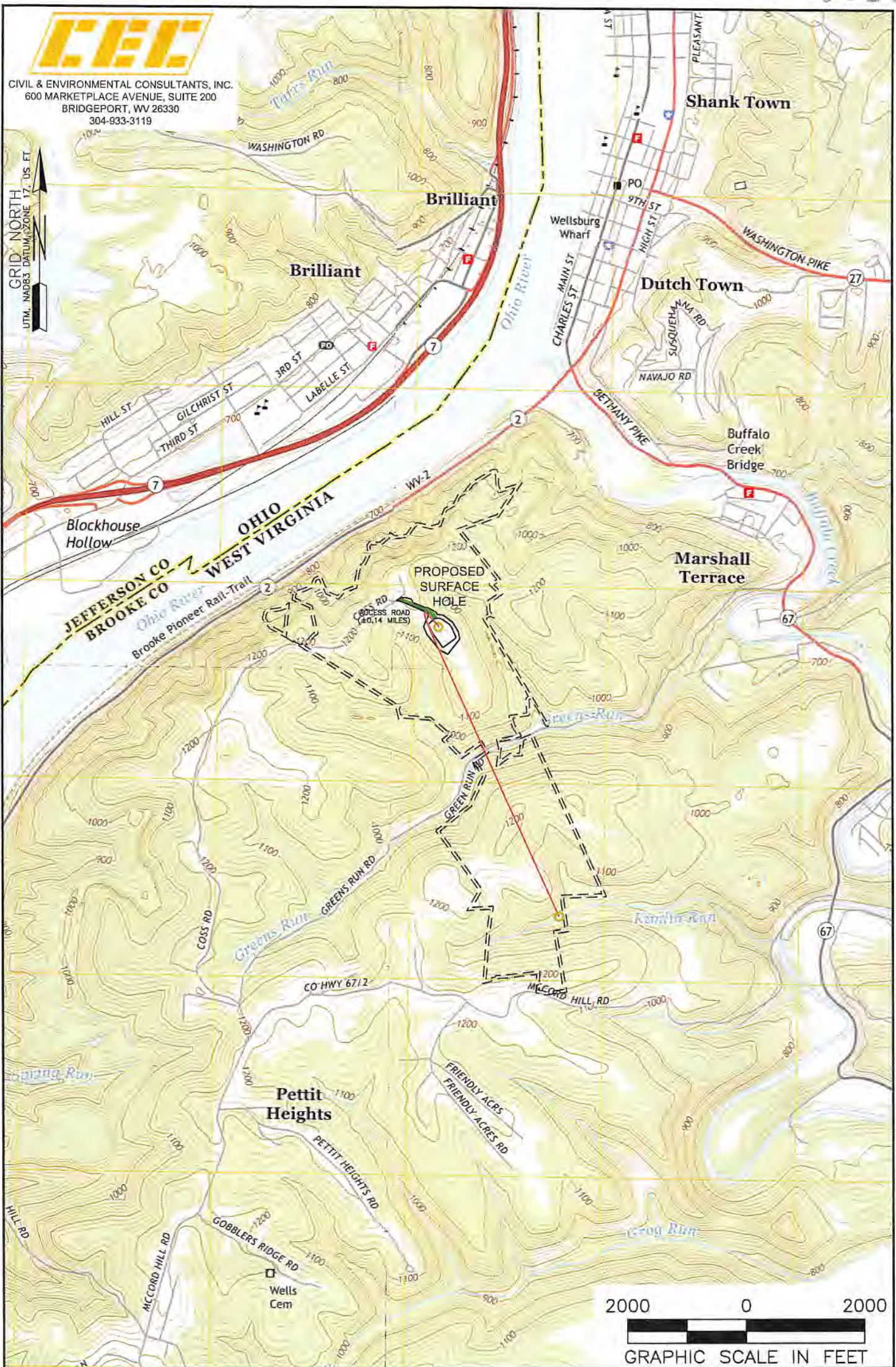




CIVIL & ENVIRONMENTAL CONSULTANTS, INC.
 600 MARKETPLACE AVENUE, SUITE 200
 BRIDGEPORT, WV 26330
 304-933-3119

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



- 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.
 4. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

RECEIVED
 Office of Oil and Gas
 OCT - 3 2019
 WV Department of
 Environmental Protection

- LEGEND:**
- PROPOSED SURFACE HOLE / BOTTOM HOLE
 - ☼ EXISTING / PRODUCING WELLHEAD
 - LPL* LANDING POINT LOCATION
 - 🌊 FLOOD PLAIN
 - ACCESS ROAD
 - - - PUBLIC ROAD
 - == == == ACCESS ROAD TO PREV. SITE
 - ==== LEASE BOUNDARY
 - PROPOSED PATH

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC		WELL (FARM) NAME: VIOLET COSS UP BRK		WELL # 9H	SERIAL # XXXX
ADDRESS: 1300 FORT PIERPONT DRIVE, STE 201 MORGANTOWN, WV 26508		COUNTY - CODE BROOKE - 009	DISTRICT; BUFFALO		
SURFACE OWNER: LINDA COEN (LIFE ESTATE-VIOLET L COSS)		USGS 7 1/2 QUADRANGLE MAP NAME STUEBENVILLE EAST, WV			

Longitude: 80°35'00"

SURFACE HOLE 10849'

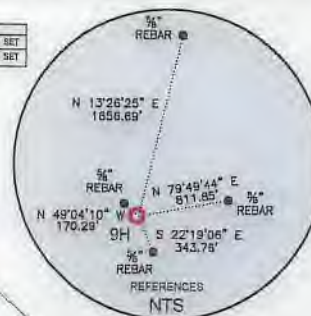
Longitude: 80°35'00"

BOTTOM HOLE 8768'

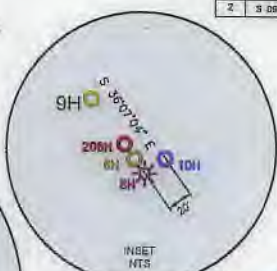


CIVIL & ENVIRONMENTAL CONSULTANTS, INC. 800 MARKETPLACE AVENUE, SUITE 200 BRIDGEPORT, WV 26330 304-933-3119

LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
1	N 87°08'51" E	883.30'	BHL TO UNIT BOUNDARY	1/2" REBAR TO BE SET
2	S 08°44'15" W	277.78'	BHL TO UNIT BOUNDARY	1/2" REBAR TO BE SET



GRID NORTH
UTM, NAD83 DATUM, ZONE 17, US FT
BOTTOM HOLE 4100'



WELL:
VIOLET COSS UP BRK 9
UNIT BOUNDARY AREA
141.827 ACRES±

Latitude: 40°15'00"

SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,455,778.925 EASTING: 532,130.051
LANDING POINT (LPL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,455,705.854 EASTING: 532,118.719
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,454,327.576 EASTING: 532,770.971

WELL RESTRICTIONS

- NO OCCUPIED DWELLINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
- NO AGRICULTURE BUILDINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
- WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 2,088 FEET OF PROPOSED WELL.
- PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 800 FEET OF THE LIMITS OF DISTURBANCE.
- NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.
- NO GROUND INTAKE OR PUBLIC WATER SUPPLY WITHIN 1000 FEET OF WELL PAD, LIMITS OF DISTURBANCE, E & S CONTROLS OR PUBLIC WATER SUPPLY.

NOTES ON SURVEY

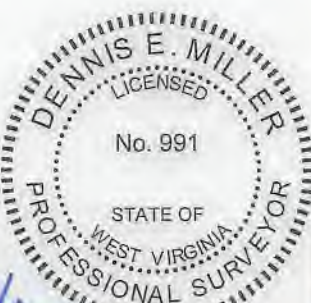
- SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
- THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
- ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

2000 0 2000

GRAPHIC SCALE IN FEET

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. 991



Latitude: 40°17'30"

COMPANY: **SWN** Production Company, LLC

(+) 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 ELEVATION: GRADE GPS (NAVD 88, US FT)

VIOLET COSS UP BRK

OPERATOR'S WELL #: 9H

API WELL #: 47 009 00290

STATE COUNTY PERMIT

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

WATERSHED: UPPER OHIO WHEELING ELEVATION: 1172.5'

DISTRICT: BUFFALO COUNTY: BROOKE QUADRANGLE: STEUBENVILLE EAST

SURFACE OWNER: LORRIE ELLEN WOOLWINE, MELINDA WOOLWINE AND MICHAEL TODD COEN ACREAGE: 224.303±

OIL & GAS ROYALTY OWNER: LORRIE ELLEN WOOLWINE, MELINDA WOOLWINE AND MICHAEL TODD COEN ACREAGE: 224.303±

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: POINT PLEASANT ESTIMATED DEPTH: 10,381 TVD 15,675 TMD

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

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

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

LEGEND:	— SURVEYED BOUNDARY	REVISIONS:	DATE: 11-20-2019
● PROPOSED SURFACE HOLE / BOTTOM HOLE	— DRILLING UNIT		DRAWN BY: K.E.S.
★ EXISTING / PRODUCING WELLHEAD	— PROPOSED PATH		SCALE: 1" = 2000'
LPL LANDING POINT LOCATION			DRAWING NO: 172-287
⊙ EXISTING WATER WELL			WELL LOCATION PLAT
⊙ EXISTING SPRING	— 400' 1,500' 3,000' DHP BUFFER		



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304-933-3119

ADJOINING OWNERS TABLE			
TRACT	SURFACE OWNER	TAX PARCEL	ACRES
A	NORMA JEAN LILLY, WIDOW	3-B27-17	45.72
B	GERTRUDE LOUISE MCSHANE ROBBIE & PATRICK J. MCSHANE, TRUSTEE	3-B32-29	84.79
C	TONY J. CASTILLO; RICHARD R. OSTRANDER (S)	3-B32-28	20.83
D	TONY J. CASTILLO; RICHARD R. OSTRANDER (S)	3-B32-27	10.00
E	JAMES SCOTT GEAR	3-B32-26	3.11
F	PENNY HAMILTON	3-B32-12	0.50
G	PENNY HAMILTON	3-B32-11	8.50
H	SCHIAPPA AND COMPANY INC	3-B32-9	214.83
I	JACK M. KLAGES, SR.	3-B32-140.1	5.90
J	KENNETH D. JOHNSTON	3-B32-184	3.85
K	RALPH G. JOHNSTON; ROBERT JOHNSTON; KENNETH D. JOHNSTON, DANIEL JOHNSTON, ET AL	3-B32-179	1.17
L	LILLIAN MCCORD	3-B32-178	0.709
M	MICHAEL S. AND MELISSA D. BILAK	3-B32-174	21.83
N	MASLO FARMS, LLC	3-B32-20	78.86
O	MARY CATHERINE WALNOHA	3-B32-18	2.00
P	COSS ROAD FARM, LLC	3-B31-114	183.28
Q	HFS LIMITED LIABILITY COMPANY	3-B32-23	2.00
R	HFS LIMITED LIABILITY COMPANY	3-B32-24	2.00
S	JAMES L. AND SONDR A. ELLIOTT	3-B31-121	5.48
T	EDWARD MACIAK	3-B31-120	1.37
U	HFS LIMITED LIABILITY COMPANY	3-B31-1	23.87
V	HFS LIMITED LIABILITY COMPANY	3-B27-12	67.95

WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS			
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL	ACRES
1	LORRIE ELLEN WOOLWINE, MELINDA WOOLWINE, MICHAEL TODD COEN (S/R)	3-B32-25	224.303
2	BROOKE CO. RT. 2 (RIGHT OF WAY ONLY)		
3	RUTH BERNADINE HART (S) LAVERNA V. MCGINNIS, WIDOW; TIMOTHY BARRINGER AND MARY REBECCA MCGINNIS, HUSBAND AND WIFE; WILLIAM L. MCGINNIS AND DANIELLE MCGINNIS, HUSBAND AND WIFE; ANGELA MCGINNIS, WIDOW; JOHN DOUGLAS MCGINNIS, SINGLE; PATRICIA LOU MCGINNIS, SINGLE (R)	3-B32-22.01	0.76
4	WILLIAM RUSSELL WALNOHA; RUTH HART; MARY FRANC THARP; GEORGE WALNOHA (S) LAVERNA V. MCGINNIS, WIDOW; TIMOTHY BARRINGER AND MARY REBECCA MCGINNIS, HUSBAND AND WIFE; WILLIAM L. MCGINNIS AND DANIELLE MCGINNIS, HUSBAND AND WIFE; ANGELA MCGINNIS, WIDOW; JOHN DOUGLAS MCGINNIS, SINGLE; PATRICIA LOU MCGINNIS, SINGLE (R)	3-B32-22	0.244
5	WILLIAM RUSSELL WALNOHA (S) LAVERNA V. MCGINNIS, WIDOW; TIMOTHY BARRINGER AND MARY REBECCA MCGINNIS, HUSBAND AND WIFE; WILLIAM L. MCGINNIS AND DANIELLE MCGINNIS, HUSBAND AND WIFE; ANGELA MCGINNIS, WIDOW; JOHN DOUGLAS MCGINNIS, SINGLE; PATRICIA LOU MCGINNIS, SINGLE (R)	3-B32-22.02	0.259
6	CAROLYN SUE WALNOHA (S) WILLIAM WALNOHA AND CAROLYN WALNOHA, HUSBAND AND WIFE (R)	3-B32-17	4.97
7	RHONDA KRISTINE DURBIN TEMPLE, RUTH BERNADINE HART, BENJAMIN J. PARKS, RONALD C. PARKS (S) BURTON D. PARKS, A WIDOWER; RUTH BERNADINE HART, A MARRIED WOMAN DEALING IN HER SOLE AND SEPARATE PROPERTY; RONALD C. PARKS, SINGLE (R)	3-B32-16	2.09
8	JOHN PORTER & BRIGITTE ROGERS, AS JOINT TENANTS WITH RIGHT OF SURVIVORSHIP (S) JOHN PORTER A SINGLE MAN; BRIGITTE ROGERS, SINGLE (R)	3-B32-15	0.568
9	WILLIAM WALNOHA AND CAROLYN WALNOHA, HUSBAND AND WIFE (S/R)	3-B32-14	1.34
10	JOSEPH G. VINDERMAN, JR., JERRY VINDERMAN, DAVID G. VINDERMAN AND LINDA J.R. VINDERMAN, ARNOLD VINDERMAN, LAWRENCE VINDERMAN, GEORGE VINDERMAN, THERESA MCQUILLAN (S) DENNIS FRANK MCQUILLAN, HUSBAND AND WIFE; DAVID GERALD VIDERMAN, SR. AND GENEVA MAE VINDERMAN, HUSBAND AND WIFE; ARNOLD PHILLIP VIDERMAN, SR. AND ARTIE ELLA JANE VIDERMAN, HUSBAND AND WIFE; GEORGE VIDERMAN AND KAREN VIDERMAN, HUSBAND AND WIFE; LAWRENCE CARL VIDERMAN, SR. AND BARBARA CECELIA VIDERMAN, HUSBAND AND WIFE; JERRY VIDERMAN AND GLENDA VIDERMAN, HUSBAND AND WIFE; JOSEPH H. VIDERMAN, JR. (R)	3-B32-13	43.38
11	MASLO FARMS, LLC (S) HARLEY J. LEMASTERS AND REBECCA K. LEMASTERS, HUSBAND AND WIFE (R)	3-B32-19	59.66
12	RALPH G. JOHNSTON; ROBERT JOHNSTON; KENNETH D. JOHNSTON, DANIEL JOHNSTON, ET AL (S) INA GRACE WALKER, WIDOW; JAMES C. DITTY, WIDOWER, BY ATTORNEY IN FACT THOMAS P. DITTY UNDER POWER OF ATTORNEY DATED JUNE 14, 2005; RALPH G. JOHNSTON AND TRACY A. JOHNSTON, HUSBAND AND WIFE; ROBERT A. JOHNSTON AND JANIC K. JOHNSTON, HUSBAND AND WIFE; BRIAN W. JOHNSTON, SINGLE; DANIEL L. JOHNSTON AND CATHY J. JOHNSTON, HUSBAND AND WIFE; KENNETH D. JOHNSTON, SINGLE; RALPH A. BRADY AND JOYCE A. BRADY, HUSBAND AND WIFE (R)	3-B32-180	39.862
13	LILLIAN MCCORD (S) RALPH G. JOHNSTON AND TRACY A. JOHNSTON, HUSBAND AND WIFE; ROBERT A. JOHNSTON AND JANIC K. JOHNSTON, HUSBAND AND WIFE; RALPH A. BRADY AND JOYCE A. BRADY, HUSBAND AND WIFE; BRIAN W. JOHNSTON, SINGLE; DANIEL L. JOHNSTON AND CATHY J. JOHNSTON, HUSBAND AND WIFE; KENNETH D. JOHNSTON, SINGLE (R)	3-B32-185	36.42

API WELL #: 47 009 00290 H6A/Deep
STATE COUNTY PERMIT

REVISIONS:	COMPANY:		
	OPERATOR'S		DATE: 11-20-2019
	WELL #:		DRAWN BY: K.E.S.
	DISTRICT:		SCALE: N/A
	COUNTY:	STATE:	DRAWING NO: 172-287
	BUFFALO	WV	WELL LOCATION PLAT 2