



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

Latitude: 40°12'30" (SHL)

SURFACE HOLE 6029'

Latitude: 40°12'30" (BHL)

BOTTOM HOLE 10019'

SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,447,793.843
EASTING: 540,731.095
LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,447,799.073
EASTING: 540,289.838
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,450,531.035
EASTING: 539,499.798
PERMIT SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,447,793.843
EASTING: 540,731.095
PERMIT LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,447,781.617
EASTING: 540,291.164
PERMIT BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,450,526.755
EASTING: 539,497.152

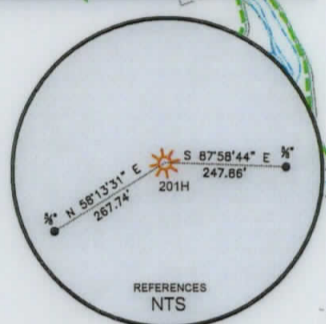


GRID NORTH
UTM, NAD83 DATUM, ZONE 17, US FT

Longitude: 80°30'00" (BHL) BOTTOM HOLE 1487'

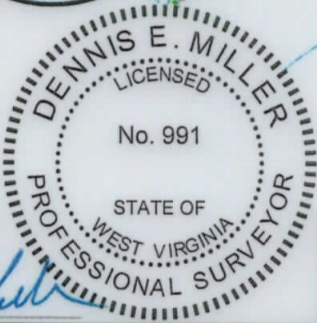
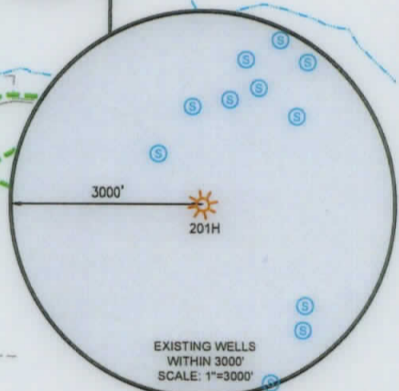
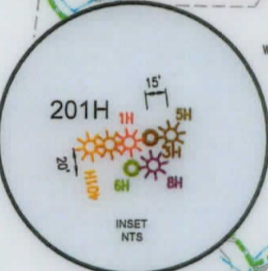
SURFACE HOLE 10492'

Longitude: 80°30'00" (SHL)



WELL RESTRICTIONS

1. NO OCCUPIED DWELLINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
2. NO AGRICULTURE BUILDINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
3. WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 969 FEET OF PROPOSED WELL.
4. PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 800 FEET OF THE LIMITS OF DISTURBANCE.
5. NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.
6. 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
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.

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

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

SANDRA PARR BRK
OPERATOR'S WELL #: 201H
API WELL #: 47 009 00251
STATE COUNTY PERMIT

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

WATERSHED: BUFFALO CREEK ELEVATION: 1276.1'

DISTRICT: BUFFALO DISTRICT COUNTY: BROOKE QUADRANGLE: BETHANY

SURFACE OWNER: ANTHONY BRUCE PARR, ET AL ACREAGE: 132.00±

OIL & GAS ROYALTY OWNER: ANTHONY BRUCE PARR, ET AL ACREAGE: 132.00±

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

CONVERT PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY) **ASDRILLED**

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,257 TVD 16,440 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:	<ul style="list-style-type: none"> ○ PROPOSED SURFACE HOLE / BOTTOM HOLE ☀ EXISTING / PRODUCING WELLHEAD LPL ✕ LANDING POINT LOCATION Ⓜ EXISTING WATER WELL Ⓢ EXISTING SPRING — SURVEYED BOUNDARY — DRILLING UNIT --- LEASE BOUNDARY — ASDRILLED PATH — PROPOSED PATH 	<p>REVISIONS:</p> <p>DATE: 07-15-2019</p> <p>DRAWN BY: K.E.S.</p> <p>SCALE: 1" = 2000'</p> <p>DRAWING NO: 172-289</p> <p>WELL LOCATION PLAT</p>
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 BRIDGEPORT, WV 26330
 304-933-3119

WELL BORE TABLE FOR SURFACE OWNERS		
TRACT	SURFACE OWNER	TAX PARCEL
1	ANTHONY BRUCE PARR, SANDRA L. PARR, RAYMOND LEE, NANCY J. PARR, MICHAEL MAHAN AND PAULA MAHAN	03-B49-0005
2	ANTHONY PARR, SANDRA PARR, RAYMOND PARR, NANCY PARR, LEONARD BOYCE AND KAREN BOYCE	03-B49-0004
3	WARREN JAMES AND PATRICIA MCKEEN	03-B49-0003
4	CLIFFORD E. COUNSELMAN	03-B49-0002
5	CLIFFORD E. COUNSELMAN	03-B44-0013
6	STATE OF WEST VIRGINIA DEPARTMENT OF COMMERCE, DIVISION OF NATURAL RESOURCES, WILDLIFE RESOURCES SECTION	03-B44-0014
7	GENE CHARLES VALENTINE TRUST	03-B43-0028

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	PHILLIS A. SWAIN	03-B44-0010
B	PHILLIS A. SWAIN	03-B44-0009
C	PHILLIS A. SWAIN	03-B44-0008
D	NEEL CURTIS LEE & LOUANN L.	03-B44-0007
E	MAIN MILDRED	03-B44-0006
F	CHARLES TOWARD JR. AND JAYME L. DEVOS	03-B44-0012
G	LELAND MACKAY	03-B44-0014.1
H	ANTHONY BRUCE PARR, SANDRA L. PARR, RAYMOND LEE, NANCY J. PARR, MICHAEL MAHAN AND PAULA MAHAN	024-00-00-0007
I	WEST VIRGINIA BUREAU OF COMMERCE, DIVISION OF NATURAL RESOURCES, PUBLIC LAND CORPORATION	03-B49-0001
J	DONNI SAMUEL J. & MELANE	03-B43-0057
K	GENE CHARLES VALENTINE TRUST	03-B43-0049.3
L	MARY E. COLLINS	03-B43-0049
M	BETHANY COLLEGE	03-B38-0031
N	UNKNOWN HEIRS OR ASSIGNS OF CLYDE B. ROBERTS	03-B43-29
O	OWEN MARK W. (1/2) AND KRUETZ VIRGINIA BEALL (1/2)	03-B38-0024

API WELL #: 47 009 00251
 STATE COUNTY PERMIT

REVISIONS:	COMPANY:		 	
	OPERATOR'S		SANDRA PARR BRK	
	WELL #:		201H	
	DISTRICT:	COUNTY:	STATE:	DATE: 07-15-2019
	BUFFALO DISTRICT	BROOKE	WV	DRAWN BY: K.E.S.
				SCALE: N/A
				DRAWING NO: 172-289
				WELL LOCATION PLAT 2