

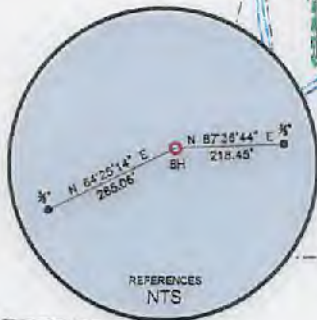
Latitude: 40°12'30" SURFACE HOLE 6013'

Latitude: 40°10'00" BOTTOM HOLE 5537'



CIVIL & ENVIRONMENTAL CONSULTANTS, INC.  
600 MARKETPLACE AVENUE, SUITE 200  
BRIDGEPORT, WV 26330  
304-833-3119

<b>SURFACE HOLE LOCATION (SHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,447,787.366 EASTING: 540,740.211
<b>LANDING POINT (LPL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,447,656.746 EASTING: 540,687.598
<b>BOTTOM HOLE LOCATION (BHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,445,655.466 EASTING: 540,892.910



**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 960 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.
3. 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

**SWN** Production Company™

(+) 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 #: 8H

API WELL #: 47 009 00259

STATE COUNTY PERMIT

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

WATERSHED: BUFFALO CREEK ELEVATION: 1276.1' Staked

DISTRICT: BUFFALO DISTRICT COUNTY: BROOKE QUADRANGLE: BETHANY

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

OIL & GAS ROYALTY OWNER: JOHN L. AND ANGELA LATIMER, HUSBAND AND WIFE, AND DEBORAH S. STARR, SINGLE 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)

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6487 TVD 13387.05 TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC DESIGNATED AGENT: DEE SOUTHALL

ADDRESS: P.O. BOX 1300 ADDRESS: P.O. BOX 1300

CITY: JANE LEW STATE: WV ZIP CODE: 26378 CITY: JANE LEW STATE: WV ZIP CODE: 26378

**LEGEND:**

PROPOSED SURFACE HOLE / BOTTOM HOLE	SURVEYED BOUNDARY
EXISTING / PRODUCING WELLHEAD	DRILLING UNIT
LPL: LANDING POINT LOCATION	LEASE BOUNDARY
EXISTING WATER WELL	PROPOSED PATH
EXISTING SPRING	

REVISIONS:	DATE: 06-04-2018
	DRAWN BY: K.E.S.
	SCALE: 1" = 2000'
	DRAWING NO: 172-289
	WELL LOCATION PLAT



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

WELL BORE TABLE FOR SURFACE OWNERS		
TRACT	SURFACE OWNER	TAX PARCEL
1	JOHN L. AND ANGELA LATIMER, HUSBAND AND WIFE, AND DEBORAH S. STARR, SINGLE	03-B49-0005
2	THE RANCH SPORTSMANS CLUB, INC., BY NICK MUSTACHIO, PRESIDENT	03-B49-0010
3	THE RANCH SPORTSMANS CLUB, INC., BY NICK MUSTACHIO, PRESIDENT DAN BRAGG, A MARRIED MAN DEALING IN HER SOLE AND SEPARATE PROPERTY DAWN L. BARNES, A MARRIED WOMAN DEALING IN HER SOLE AND SEPARATE PROPERTY, AND HUSBAND, JAY BARNES STEPHANIE A. SITAR, FKA STEPHANIE A. WHITTLE, A MARRIED WOMAN DEALING IN HER SOLE AND SEPARATE PROPERTY, AND HUSBAND, STAN SITAR MASTER MINERAL HOLDINGS II, LP	03-B49-0011
4	EDWARD JOHN COVEY AND ROSEMARY ANN COVEY, HUSBAND AND WIFE, JTWROS	03-B54-0008

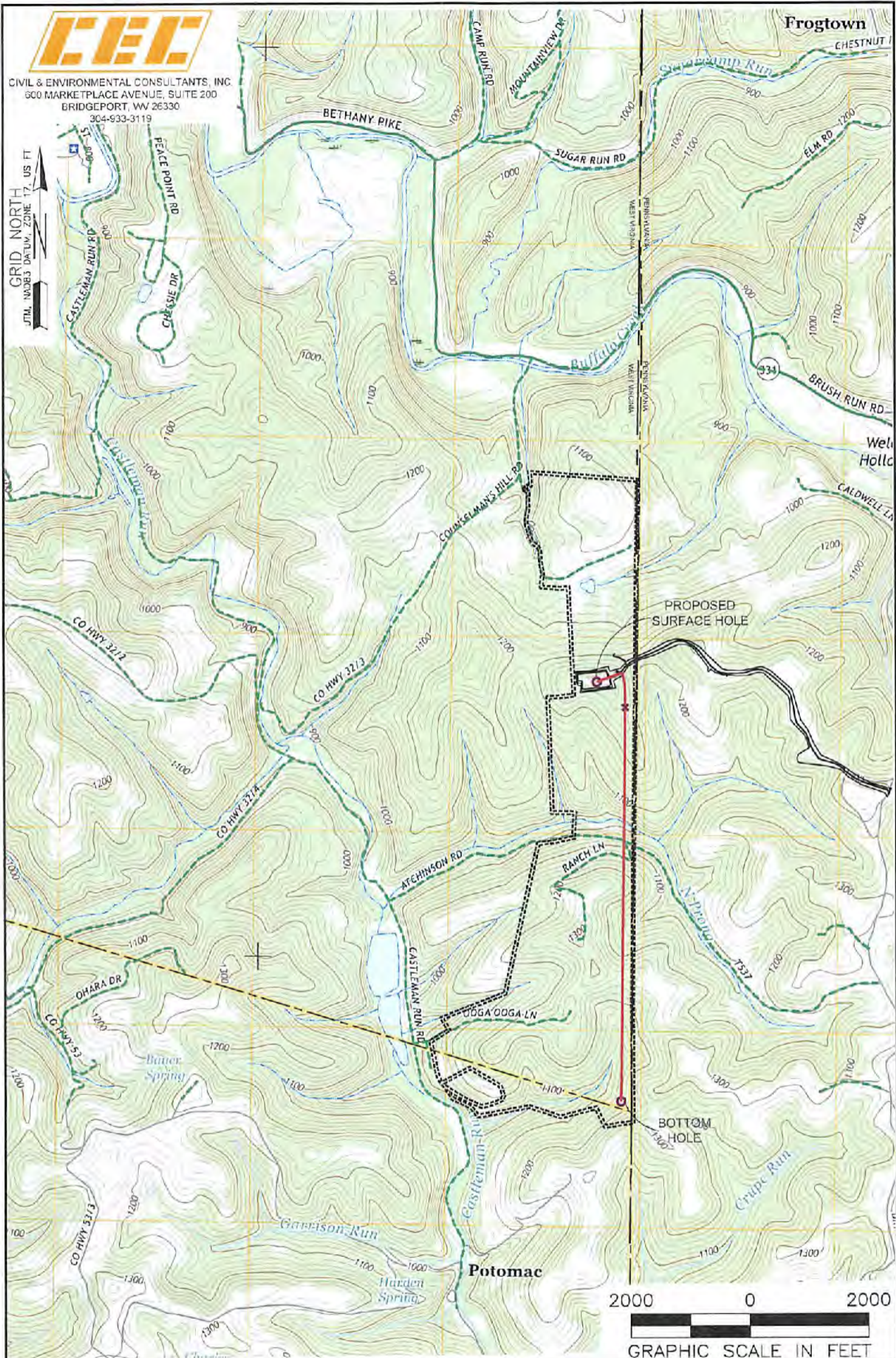
ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	ANTHONY BRUCE PARR, SANDRA L. PARR, RAYMOND LEE, NANCY J. PARR, MICHAEL MAHAN AND PAULA MAHAN	024-00-00-0007
B	ROBERT E. & JUDITH F. WRIGHT	023-00-00-0003-0
C	STEVE S. VOYTEK	230-023-00-00-0012-00
D	MARK S. & CAROL B. GRACY	023-00-00-0010-6
E	RITA V. JONES QTIP	016-00-00-0001-0
F	TIMOTHY ALAN RYAN	03-L60-0004
G	TIMOTHY ALAN RYAN	03-L60-0004
H	DOROTHY D. TUSTIN	03-L3-0003
I	DANIEL P. SR & VICKIE S. TUSTIN	03-L3-0003.1
J	DANIEL P. SR & VICKIE S. TUSTIN	03-L3-0002.3
K	JOHN S. & N. FREEMAN	03-L3-0002.2
L	CHRISTOPHER J. & LELA G. COVEY	03-L3-0004
M	RICHARD P. FORSHEY	03-B54-0013
N	RICHARD P. FORSHEY	03-B54-0012
O	EDWARD JOHN & ROSEMARY ANN COVEY	03-B54-0011
P	EDWARD JOHN & ROSEMARY ANN COVEY	03-B54-0010
Q	EDWARD JOHN & ROSEMARY ANN COVEY	03-B54-0009
R	EVERETT L. CARMICHAEL	03-B54-0003
S	SHERRY ROUSE	03-B54-0004
T	SHERRY ROUSE	03-B54-0005
U	GEO & MARTHA DAGUE	03-B54-0006
V	GEO & MARTHA DAGUE	03-B54-0007
W	ROBERT E. JONES	03-B49-0012
X	PERRY J. & KAREN J. JONES	03-B49-0009
Y	CHARLES N. MUSTACHIO	03-B49-0011
Z	W VA DEPT OF NATURAL RESOURCES	03-B49-0007
AA	JAMES WARREN & PATRICIA MCKEEN	03-B49-0003
BB	ANTHONY PARR, SANDRA PARR, RAYMOND PARR, NANCY PARR, LEONARD BOYCE AND KAREN BOYCE	03-B49-0004
CC	LELAND MACKAY	03-B44-0014.1
DD	BETHANY COLLEGE	03-B44-0014

REVISIONS:	COMPANY:		
	OPERATOR'S	SANDRA PARR BRK	
	WELL #:	8H	
	DISTRICT:	COUNTY:	STATE:
	BUFFALO DISTRICT	BROOKE	WV
		DATE:	06-04-2018
		DRAWN BY:	K.E.S.
		SCALE:	N/A
		DRAWING NO:	172-289
		WELL LOCATION PLAT	2



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

RECEIVED  
 Office of Oil and Gas  
 JUN 08 2018

- LEGEND:
- PROPOSED SURFACE HOLE / BOTTOM HOLE
  - EXISTING / PRODUCING WELLHEAD
  - LANDING POINT LOCATION
  - FLOODED PLAN
  - ACCESS ROAD
  - PUBLIC ROAD
  - ACCESS ROAD TO PREV. SITE
  - LEASE BOUNDARY
  - PROPOSED PATH

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	WV Department of Environmental Protection	WELL (FARM) NAME: SANDRA PARR BRK	WELL # BH	SERIAL # XXXX
ADDRESS: P.O. BOX 1300 JANE LEW, WV 26378	COUNTY - CODE BROOKE - 069	DISTRICT; BUFFALO DISTRICT		
SURFACE OWNER: ANTHONY BRUCE PARR, ET AL	USGS 7 1/2 QUADRANGLE MAP NAME BETHANY, WV			