

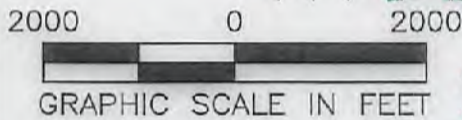
Latitude: 40°12'30" SURFACE HOLE 6015'

Latitude: 40°12'30" BOTTOM HOLE 9230'



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

SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4,447,794.236 EASTING: 540,735.347 LANDING POINT (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4,447,799.540 EASTING: 540,507.277 BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4,450,604.580 EASTING: 539,739.828



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

SWN logo with R+V+O

Production Company, LLC 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 SURVEY GRADE GPS OF ELEVATION: (NAVD 88, US FT)

SANDRA PARR BRK OPERATOR'S WELL #: 1H API WELL #: 47 009 00250 STATE COUNTY PERMIT

WELL TYPE: OIL WASTE DISPOSAL PRODUCTION DEEP GAS LIQUID INJECTION STORAGE SHALLOW BUFFALO CREEK DISTRICT: BUFFALO DISTRICT COUNTY: BROOKE SURFACE OWNER: ANTHONY BRUCE PARR, ET AL OIL & GAS ROYALTY OWNER: ANTHONY BRUCE PARR, ET AL 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: 6,430 IVD 16,417.55 IMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC ADDRESS: P.O. BOX 1300 CITY: JANE LEW STATE: WV ZIP CODE: 26378 DESIGNATED AGENT: DEE SOUTHALL ADDRESS: P.O. BOX 1300 CITY: JANE LEW STATE: WV ZIP CODE: 26378

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

REVISIONS: DATE: 03-13-2018 DRAWN BY: K.E.S. SCALE: 1" = 2000' DRAWING NO: 172-289 WELL LOCATION PLAT

4700900250



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

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	RANCH SPORTSMAN CLUB INC.	03-B49-0010
3	ANTHONY PARR, SANDRA PARR, RAYMOND PARR, NANCY PARR, LEONARD BOYCE AND KAREN BOYCE	03-B49-0004
4	WARREN JAMES AND PATRICIA MCKEEN	03-B49-0003
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	LELAND MACKAY	03-B44-0014.1
8	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	ANTHONY BRUCE PARR, SANDRA L. PARR, RAYMOND LEE, NANCY J. PARR, MICHAEL MAHAN AND PAULA MAHAN	024-00-00-0007
H	WEST VIRGINIA BUREAU OF COMMERCE, DIVISION OF NATURAL RESOURCES, PUBLIC LAND CORPORATION	03-B49-0001
I	DONNI SAMUEL J. & MELANE	03-B43-0057
J	GENE CHARLES VALENTINE TRUST	03-B43-0049.3
K	MARY E. COLLINS	03-B43-0049
L	BETHANY COLLEGE	03-B38-0031
M	UNKNOWN HEIRS OR ASSIGNS OF CLYDE B. ROBERTS	03-B43-0029
N	OWEN MARK W. (d) AND KRUETZ VIRGINIA BEALL (d)	03-B38-0024
O	DONNA M. CONLEY	03-B44-0002

06/08/2018

REVISIONS:	COMPANY:		
	OPERATOR'S	SANDRA PARR BRK	DATE: 03-13-2018
	WELL #:	1H	DRAWN BY: K.E.S.
	DISTRICT:	BUFFALO DISTRICT	SCALE: N/A
	COUNTY:	BROOKE	DRAWING NO: 172-289
	STATE:	WV	WELL LOCATION PLAT 2