

LATITUDE: 40°22'30" SURFACE HOLE

7799'

LATITUDE: 40°20'00" BOTTOM HOLE

5508'



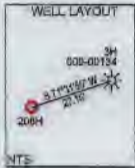
www.jhacompanies.com

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

NOTES ON SURVEY

1. COORDINATE SYSTEM IS UTM NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
2. 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.
3. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
4. NO DWELLINGS OR BUILDINGS WITHIN 625 FEET OF PROPOSED CENTER OF PAD.
5. NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
6. NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF THE LIMITS OF DISTURBANCE.
7. NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.

LINE	BEARING	DISTANCE
L1	S 07°35'11" W	718.95'
L2	S 33°17'30" E	1277.60'



SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4465691.470 EASTING: 540101.598
LANDING POINT LOCATION (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4485499.613 EASTING: 539706.122
BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4463323.647 EASTING: 540811.235

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



SWN Production Company, LLC **SWN** Production Company™

	(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS	MINIMUM DEGREE OF ACCURACY: 1/200	STATE OF WV DNR B
	WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034	PROVEN SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)	OPERATOR'S WELL #: BRK 206H
		API WELL #:	47 STATE, 009 COUNTY, 00306 PERMIT


WELL TYPE: OIL <input type="checkbox"/> WASTE DISPOSAL <input type="checkbox"/> PRODUCTION <input checked="" type="checkbox"/> DEEP <input type="checkbox"/> GAS <input checked="" type="checkbox"/> LIQUID INJECTION <input type="checkbox"/> STORAGE <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/>	WATERSHED: UPPER OHIO NORTH	ELEVATION: 1200.95'
DISTRICT: CROSS CREEK	COUNTY: BROOKE	QUADRANGLE: STEUBENVILLE EAST
SURFACE OWNER: STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DNR	ACREAGE: ±169.43	
OIL & GAS ROYALTY OWNER: STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DNR	ACREAGE: ±169.43	
DRILL <input checked="" type="checkbox"/> DRILL DEEPER <input type="checkbox"/> REDRILL <input type="checkbox"/> FRACTURE OR STIMULATE <input checked="" type="checkbox"/> PLUG OFF OLD FORMATION <input type="checkbox"/> PERFORATE NEW FORMATION <input type="checkbox"/>	CONVERT <input type="checkbox"/> PLUG & ABANDON <input type="checkbox"/> CLEAN OUT & REPLUG <input type="checkbox"/> OTHER CHANGE <input type="checkbox"/> (SPECIFY)	
TARGET FORMATION: MARCELLUS	ESTIMATED DEPTH: 5,789 TVD 14,258.2 TMD	

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

LEGEND:	REVISIONS:	DATE: 10-28-2019
○ PROPOSED SURFACE HOLE / BOTTOM HOLE	— SURVEYED BOUNDARY	
⊙ EXISTING / PRODUCING WELLHEAD	— DRILLING UNIT	
LPL* LANDING POINT LOCATION	--- LEASE BOUNDARY	DRAWN BY: R.GRIMES
⊕ EXISTING WATER WELL	— PROPOSED PATH	SCALE: 1" = 2000'
⊕ EXISTING SPRING		DRAWING NO: 2017-541
		WELL LOCATION PLAT

WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DIVISION OF NATURAL RESOURCES, PUBLIC LAND CORPORATION FOR THE USE AND BENEFIT OF THE WILDLIFE RESOURCES SECTION (S/R)	04-CC16-0019.0000
TRACT	SURFACE OWNER	TAX PARCEL
2	JUSTIN L. SCHWERTFEGER	04-CC16-0026.0001
3	ARRISSA M. SUTER & KENNETH A. COCHRAN	04-CC16-0027.0000
4	FAMILY CONNECTIONS, INC.	04-CC16-0026.0000
5	DOMINIC A. & ALICIA F. ABATE	04-CC16-0030.0000
6	JAMES A. & GERALDINE A. RAHR	04-CC16-0034.0000
7	DANNY D. TICE & MARCIA TICE	04-CC16-0016.0000
8	DONNA K. ROSS (J), WILLIAM J. PAULES (J)	04-CC16-0014.0000
9	STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DIVISION OF NATURAL RESOURCES, PUBLIC LAND CORPORATION FOR THE USE AND BENEFIT OF THE WILDLIFE RESOURCES SECTION	04-CC16-0011.0000
10	STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DIVISION OF NATURAL RESOURCES, PUBLIC LAND CORPORATION FOR THE USE AND BENEFIT OF THE WILDLIFE RESOURCES SECTION	04-CC16-0023.0001
11	STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DIVISION OF NATURAL RESOURCES, PUBLIC LAND CORPORATION FOR THE USE AND BENEFIT OF THE WILDLIFE RESOURCES SECTION	04-CC16-0023.0000
12	STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DIVISION OF NATURAL RESOURCES, PUBLIC LAND CORPORATION FOR THE USE AND BENEFIT OF THE WILDLIFE RESOURCES SECTION	04-CC16-0024.0000

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	MARGARET FRESHWATER	04-C12K-0080.0000
B	DEBORAH JANE HAMILTON	04-C12K-0078.0000
C	ARTHUR C. MCDERMOTT, JR.	380-008-00-00-0007-01
D	WEST VIRGINIA ST OF BUREAU OF COMM DIV OF NAT RES PB LD CORP	04-CC16-0020.000
E	WEST VIRGINIA ST OF BUREAU OF COMM DIV OF NAT RES PB LD CORP	04-CC16-0021.0000
F	WEST VIRGINIA ST OF BUREAU OF COMM DIV OF NAT RES PB LD CORP	04-CC16-0022.0000
G	ARTHUR C. MCDERMOTT, JR.	380-008-00-00-0007-03
H	PENNWEIR CONSTRUCTION CO.	380-014-00-00-0009-00
I	PENNWEIR CONSTRUCTION CO.	380-014-00-00-0008-00
J	PENNWEIR CONSTRUCTION CO.	380-014-00-00-0007-00
K	ST OF WV DEPT OF COMMERCE NAT RESOURCES	04-CC20-0030.0000
L	ST OF WV DEPT OF COMMERCE NAT RESOURCES	04-CC20-0027.0000
M	ST OF WV DEPT OF COMMERCE NAT RESOURCES	04-CC20-0026.0000
N	ST OF WV DEPT OF COMMERCE NAT RESOURCES	04-CC16-0008.0000
O	STATE OF WV BUREAU COMM-DIV NR PUBLIC LAND CORP	04-CC16-0008.0001
P	TERRY A. DAMI & ET AL	04-CC16-0009.0000
Q	STATE OF WV BUREAU OF COMM	04-CC16-0010.0000
R	STATE OF WV BUREAU OF COMM	04-CC16-0012.0000
S	DENNIS MOLNAR, SR. & DENNIS MOLNAR, JR.	04-CC16-0013.0000
T	TIMOTHY S. & STACY HOOPER	04-CC12-0054.0000
U	JASON P. NUZUM	04-CC16-0031.0000
V	KURT STECIK	04-CC16-0029.0000
W	WILLIAM RICHARD WILLS	04-CC16-0033.0000
X	NEIL E., JR. & MICHELLE L. VANCAMP	04-CC16-0028.0000
Y	MATTHEW C. & HOLLY W. LEWIS	04-CC12-0054.0001
Z	BRIAN B. & STEPHANIE J. BUBECK	04-CC12-0043.0000
AA	MARTY R. & DIANE L. LONGWELL	04-CC12-0042.0000
AB	DAVID A. & GERALDINE DODD	04-CC12-0041.0000
AC	JOHN D. & KAREN DUFFIELD	04-CC12-0040.0000
AD	JOHN D. & KAREN DUFFIELD	04-CC12-0039.0000
AE	LARRY G., SR. & NORA LOU DODD	04-CC12-0038.0000
AF	RITA K. THOMAS	04-CC12-0055.0000
AG	TIMOTHY BRIAN CUNNINGHAM	04-CC16-0015.0000
AH	STATE OF WV BUREAU OF COMM	04-CC16-0018.0000
AI	STATE OF WV BUREAU OF COMM	04-CC16-0017.0000

REVISIONS:	COMPANY:			DATE: 10-28-2019
				DRAWN BY: R.GRIMES
	OPERATOR'S	STATE OF WV DNR B		SCALE: N/A
	WELL #:	BRK 206H		DRAWING NO: 2017-541
	DISTRICT:	COUNTY:	STATE:	WELL LOCATION PLAT
	CROSS CREEK	BROOKE	WV	