

LATITUDE: 40°22'30" SURFACE HOLE (2000' SCALE)

7,791'

LATITUDE: 40°10'00" BOTTOM HOLE (2000' SCALE)

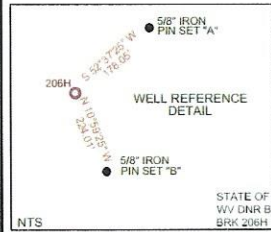
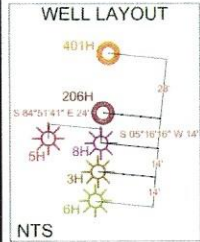
5,547'



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

NOTES ON SURVEY

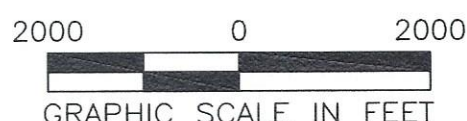
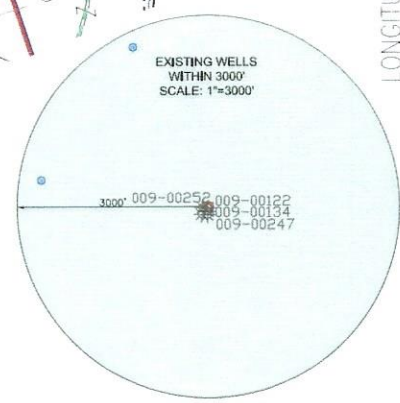
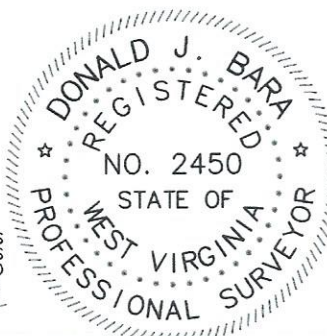
- COORDINATE SYSTEM IS UTM NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
- SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
- THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
- NO DWELLINGS OR BUILDINGS WITHIN 625 FEET OF PROPOSED CENTER OF PAD.
- NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
- NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF THE LIMITS OF DISTURBANCE.
- NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.



LINE	BEARING	DISTANCE
L1	N05°40'38"E	676.59'
L2	N35°20'16"W	1260.84'

SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4465703.61 EASTING: 540109.92
LANDING POINT LOCATION (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4465392.46 EASTING: 539521.31
BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4461709.53 EASTING: 540816.71
SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4465703.61 EASTING: 540109.92
LANDING POINT LOCATION (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4465451.17 EASTING: 539483.57
BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4461713.15 EASTING: 540827.28

RECEIVED
Office of Oil and Gas
SEP 28 2023
WV Department of Environmental Protection



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. 2450

COMPANY: **SWN** Production Company, LLC

WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034	MINIMUM DEGREE OF ACCURACY: 1/200 PROVEN SURVEY SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)	STATE OF WV DNR B BRK OPERATOR'S WELL #: 206H API WELL #: 47 STATE 009 COUNTY 00331 PERMIT
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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"/>	ELEVATION: 1201.2'
WATERSHED: UPPER OHIO NORTH	QUADRANGLE: STEUBENVILLE EAST
DISTRICT: CROSS CREEK COUNTY: BROOKE/OHIO	ACREAGE: ±169.43
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	
DRILL <input type="checkbox"/> DRILL DEEPER <input type="checkbox"/> REDRILL <input type="checkbox"/> FRACTURE OR STIMULATE <input 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 checked="" type="checkbox"/> (SPECIFY) AS-DRILLED	
TARGET FORMATION: MARCELLUS	ESTIMATED DEPTH: 5,859' TVD 19,798' TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508	DESIGNATED AGENT: BRITTANY WOODY ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508
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LEGEND: ○ EXISTING BOTTOM HOLE ⊙ EXISTING / PRODUCING WELLHEAD LPL ○ EXISTING LANDING POINT LOCATION ⊙ PROPOSED SURFACE HOLE / BOTTOM HOLE LPL ⊙ PROPOSED LANDING POINT LOCATION — ACCESS ROAD — PUBLIC ROAD — FLOOD PLAIN — LEASE BOUNDARY — AS-DRILLED PATH — PROPOSED PATH	REVISIONS: DATE: 09-19-2023 API NO: 47-009-00331 DRAWN BY: Z. WOOD SCALE: 1" = 2000' DRAWING NO: 2017-541 WELL LOCATION PLAT
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LONGITUDE: 80°35'00" BOTTOM HOLE (2000' SCALE)
LONGITUDE: 80°30'00" SURFACE HOLE (2000' SCALE)

LATITUDE: 40°22'30" SURFACE HOLE (2000' SCALE)

7,791'

LATITUDE: 40°10'00" BOTTOM HOLE (2000' SCALE)

5,547'



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.
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5. NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
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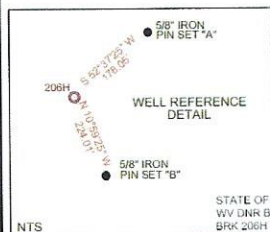
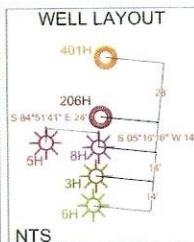
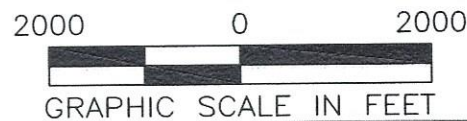
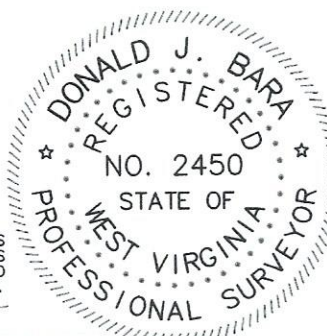


Table with 3 columns: LINE, BEARING, DISTANCE. Row 1: L1, N05°40'38"E, 676.59'. Row 2: L2, N35°20'16"W, 1260.84'.

Location data table for SHL, LPL, and BHL. Columns include UTM (NAD83, ZONE 17, METERS), NORTHING, and EASTING.



RECEIVED Office of Oil and Gas SEP 28 2023 WV Department of Environmental Protection



COMPANY: SWN Production Company, LLC SWN Production Company™

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. 2450

Table with 3 columns: Well location details (WVDEP address), Accuracy (1/200), and Well identification (Operator's Well #: 206H, API Well #: 47 009 00331).

Table with 2 columns: Well type and characteristics (WELL TYPE: OIL, WASTE DISPOSAL, PRODUCTION, DEEP, GAS, LIQUID INJECTION, STORAGE, SHALLOW), and Watershed/Ownership info (WATERSHED: UPPER OHIO NORTH, SURFACE OWNER: STATE OF WEST VIRGINIA).

Table with 2 columns: Well operator (SWN PRODUCTION COMPANY, LLC) and Designated agent (BRITTANY WOODY).

Table with 2 columns: Legend (EXISTING BOTTOM HOLE, EXISTING / PRODUCING WELLHEAD, LPL, LPL*) and Revisions/Date info (DATE: 09-19-2023, API NO: 47-009-00331).

LONGITUDE: 80°35'00" BOTTOM HOLE (2000' SCALE) 10,884'
LONGITUDE: 80°30'00" SURFACE HOLE (2000' SCALE) 10,884'

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)	4-CC16-19
TRACT	SURFACE OWNER	TAX PARCEL
2	TICE DANNY D & MARCIA (SURV)	4-CC16-16
3	KUZMA NATHANAE L J AMY L(JTWS)	4-CC16-26.1
4	SUTER ARISSA M; COCHRAN KENNETH A (SURV)	4-CC16-27
5	LEWIS MATTHEW C & HOLLY W (SURV)	4-CC12-54.1
6	VANCAMP NEIL E JR & MICHELLE L (SURV)	4-CC16-28
7	WILLS KENNETH 1/3 WILLS TED 1/3 ELLERY DONNA 1/3	4-CC16-33
8	FIELD LEONARD KEITH	4-CC16-31
9	MAZZELLA LAWRENCE & JILL	4-CC16-25
10	HOOPER TIMOTHY S & STACY (SURV)	4-CC12-54
11	MOLNAR DENNIS SR & DENNIS JR	4-CC16-13
12	WEST VIRGINIA ST OF BUREAU DIV OF COMM DIV OF NAT RES PB LD	4-CC16-11
13	ST OF WV BUREAU OF COMM-DNR PUBLIC LAND CORP	4-CC16-23.1
14	STATE OF WV BUREAU COMM-DIV NR PUBLIC LAND CORP	4-CC16-8.1
15	ST OF WV DEPT OF COMMERCE NAT RESOURCES	4-CC16-23
16	ST OF WV DEPT OF COMMERCE NAT RESOURCES	4-CC16-24
17	ST OF WV DEPT OF COMMERCE NAT RESOURCES	4-CC20-27
18	ST OF WV DEPT OF COMMERCE NAT RESOURCES	4-CC20-30
19	GOODMAN RICHARD & JANICE	4-CC20-28
20	ST OF WV DEPT OF COMMERCE NAT RESOURCES	4-CC20-31
21	ST OF WV DEPT OF COMMERCE NAT RESOURCES DIV	4-CC20-25
ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	FRESHWATER MARGARET	4-C12K-80
B	HAMILTON DEBORAH JANE	4-C12K-78
C	MCDERMITT ARTHUR C JR	380-008-00-00-0007-01
D	WEST VIRGINIA ST OF BUREAU OF COMM DIV OF NAT RES PB LD CORP	4-CC16-22
E	WEST VIRGINIA ST OF BUREAU OF COMM DIV OF NAT RES PB LD CORP	4-CC16-20
F	WEST VIRGINIA ST OF BUREAU OF COMM DIV OF NAT RES PB LD CORP	4-CC16-21
G	MCDERMITT ARTHUR C 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	4-CC20-30
L	GOODMAN RICHARD & JANICE	4-CC20-29
M	GOODMAN RICHARD T & JANICE (SURV)	4-CC20-30.1
N	PENNWEIR CONSTRUCTION CO	380-014-00-00-0006-00
O	PENNWEIR CONSTRUCTION CO	380-014-00-00-0005-00
P	PENNWEIR CONSTRUCTION CO	380-014-00-00-0004-00
Q	PENNWEIR CONSTRUCTION CO	380-014-00-00-0003-00
R	PENNWEIR CONSTRUCTION CO	380-014-00-00-0003-00
S	NICKOLES 3 LLC	4-CC20-33
T	SLIDAY DEBORAH K	4-CC20-32
U	ST OF WV DEPT OF COMMERCE NAT RESOURCES DIV	4-CC20-25
V	ST OF WV DEPT OF COMMERCE NAT RESOURCES	4-CC20-31
W	ST OF WV DEPT OF COMMERCE NAT RESOURCES	4-CC20-26
X	ST OF WV DEPT OF COMMERCE NAT RESOURCES	4-CC16-8
Y	ST OF WV DEPT OF COMMERCE NAT RESOURCES	4-CC20-46
Z	WV BUREAU OF COMMERCE DIV OF NATURAL RESOURCE	4-CC16-7.1
AA	WEST VIRGINIA ST OF BUREAU OF COMM DIV OF NAT RES PUB LD COM	4-CC16-6
AB	PALFALVY IRREVOCABLE TRUST DENNIS III, THE	4-CC16-5
AC	DAMI TERRY A ETAL (LE-JOSEPH T & LOIS C	4-CC16-9
AD	WEST VIRGINIA ST OF BUREAU OF COMM DIV OF NAT RES PB LD COMM	4-CC16-10
AE	WEST VIRGINIA ST OF BUREAU OF COMM DIV OF NAT RES PB LD CORP	4-CC16-12
AF	REED RONALD ALLEN	4-CC16-4
AG	BRADY RALPH A II; JOHNSTON JOYCE ANN (SURV)	4-CC16-2
AH	BRADY RALPH A II; JOHNSTON JOYCE ANN (SURV)	4-CC16-3
AI	MAROSI PAUL	4-CC16-1
AJ	VANCAMP NEIL E JR & MICHELLE L (JTWS)	4-CC16-1.5
AK	IVILL LIVING TRUST CHERYL TRUSTEE	4-C11S-58
AL	DENNIS TAWNIA R	4-CC12-62
AM	DENNIS SHAWN A	4-C12J-33
AN	LANTZ SUSAN PORCH	4-C12J-28
AO	THOMAS RITA K	4-CC12-55
AP	LEWIS MATTHEW C & HOLLY W (SURV)	4-CC12-52
AQ	LONGWELL MARTY R & DIANA L (SURV)	4-CC12-48
AR	LONGWELL MARTY R & DIANA L (SURV)	4-CC12-47
AS	LONGWELL MARTY R & DIANA L (SURV)	4-CC12-46
AT	LONGWELL DIANA LYNN & MARTY ROBBON	4-CC12-45
AU	BUBECK PHILIP J	4-CC12-44
AV	BUBECK BRIAN B & STEPHANIE J (SURV)	4-CC12-43
AW	LONGWELL DIANA	4-CC12-42
AX	DODD GERALDINE	4-CC12-41
AY	DODD PAUL C & DONNA A (JTWS)	4-CC12-40
AZ	DODD PAUL C & DONNA A (JTWS)	4-CC12-39
BA	DODD LARRY G SR & NORA LOU	4-CC12-38
BB	THOMAS RITA K	4-CC12-55
BC	MONROE ALLEN & JENNIFER (JTWS)	4-CC12-63
BD	WEST VIRGINIA ST OF BUREAU OF COMM DIV OF NAT RES PB LD CORP	4-CC16-18
BE	WEST VIRGINIA ST OF BUREAU OF COMM DIV OF NAT RES PB LD CORP	4-CC16-17
BF	CUNNINGHAM TIMOTHY BRIAN	4-CC16-15
BG	PAULES DONNA K	4-CC16-14
BH	TENNANT WILLIAM J & APRIL L (JTWS)	4-CC16-34
BI	ABATE ALICIA F	4-CC16-30
BJ	STECIK KIRK & BRANDY L JTWS	4-CC16-29
BK	FAMILY CONNECTIONS INC	4-CC16-26

RECEIVED
Office of Oil and Gas
SEP 28 2023
WV Department of
Environmental Protection

REVISIONS:

COMPANY:

SWN
Production Company, LLC

SWN ^{RA} ^{AV} ⁺
Production Company™

OPERATOR'S

STATE OF WV DNR B BRK

DATE: 09-19-2023

WELL #:

206H

API NO: 47-009-00331

DISTRICT:

COUNTY:

STATE:

DRAWN BY: Z. WOOD

CROSS CREEK

BROOKE/OHIO

WV

SCALE: N/A

DRAWING NO: 2017-541

WELL LOCATION PLAT

COMPLETION ID 2501163237
PAR ID 3001155614