

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

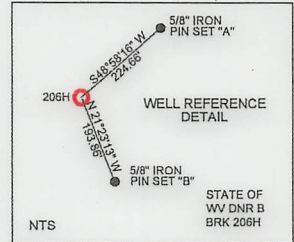
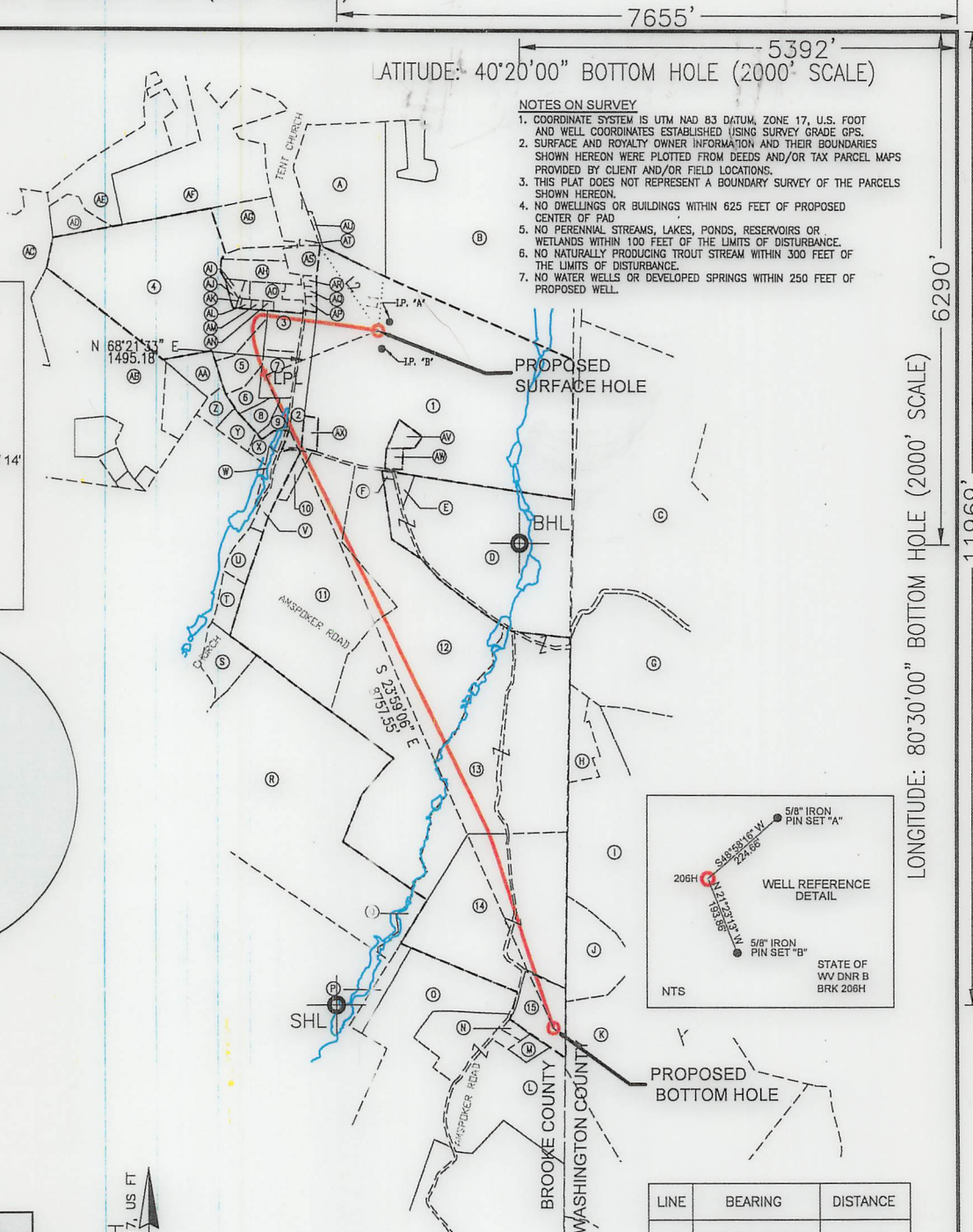
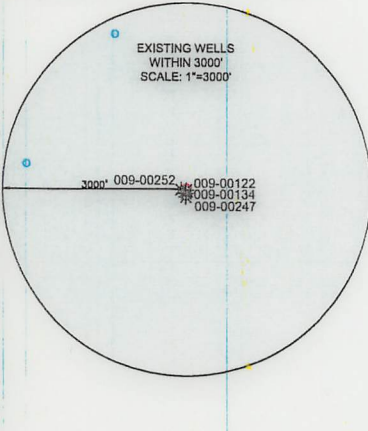
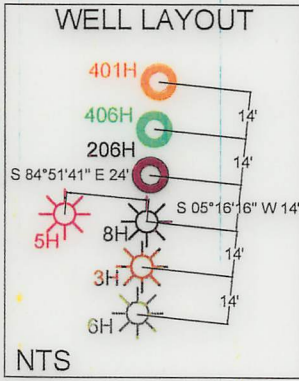
LATITUDE: 40°20'00" BOTTOM HOLE (2000' SCALE)



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

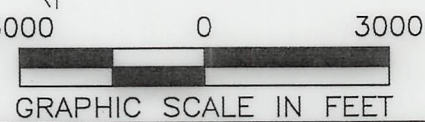
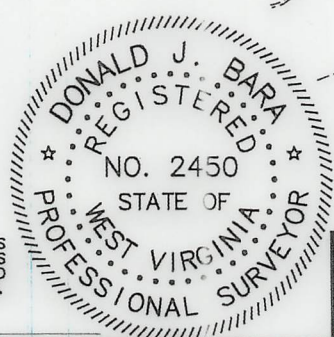
NOTES ON SURVEY

- 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°41'26"E	676.49'
L2	N35°20'09"W	1260.66'

<b>SURFACE HOLE LOCATION (SHL):</b>
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4465703.65
EASTING: 540109.88
<b>LANDING POINT LOCATION (LPL):</b>
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4465529.18
EASTING: 539689.31
<b>BOTTOM HOLE LOCATION (BHL):</b>
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4463109.25
EASTING: 540814.69



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 *[Signature]*

COMPANY: **SWN** Production Company, LLC **SWN** Production Company™

<p>(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS</p> <p>WVDEP OFFICE OF OIL &amp; GAS 601 57TH STREET CHARLESTON, WV 25034</p>	MINIMUM DEGREE OF ACCURACY: 1/200 PROVEN SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)	STATE OF WV DNR B BRK OPERATOR'S WELL #: 206H API WELL #: 47 009 00331 STATE COUNTY 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"/>	WATERSHED: UPPER OHIO NORTH	ELEVATION: 1201.01'
DISTRICT: CROSS CREEK	COUNTY: BROOKE/OHIO	QUADRANGLE: STEUBENVILLE EAST
SURFACE OWNER: STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DNR	ACREAGE: ±169.43	ACREAGE: ±169.43
OIL & GAS ROYALTY OWNER: STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DNR	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"/>	ESTIMATED DEPTH: 5,804' TVD, 15,142' TMD
CONVERT <input type="checkbox"/> PLUG & ABANDON <input type="checkbox"/> CLEAN OUT & REPLUG <input type="checkbox"/> OTHER CHANGE <input type="checkbox"/> (SPECIFY)	TARGET FORMATION: MARCELLUS	

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: 08-02-2022
<ul style="list-style-type: none"> <li>PROPOSED SURFACE HOLE / BOTTOM HOLE</li> <li>EXISTING / PRODUCING WELLHEAD</li> <li>LPL* LANDING POINT LOCATION</li> <li>EXISTING WATER WELL</li> <li>EXISTING SPRING</li> <li>NATURAL WATERWAY</li> <li>SURVEYED BOUNDARY</li> <li>LEASE BOUNDARY</li> <li>PROPOSED PATH</li> <li>PUBLIC ROAD</li> </ul>		API NO: 47-009-XXXX DRAWN BY: R.GRIMES SCALE: 1" = 3000' 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)	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	LEWIS MATTHEW C & HOLLY W (SURV)	4-CC12-54.1
5	SUTER ARRISMA M; COCHRAN KENNETH A (SURV)	4-CC16-27
6	STECIK KIRK & BRANDY L (JTWS)	4-CC16-29
7	FAMILY CONNECTIONS INC	4-CC16-26
8	ABATE ALICIA F	4-CC16-30
9	TENNANT WILLIAM J & APRIL L (JTWS)	4-CC16-34
10	PAULES DONNA K	4-CC16-14
11	WEST VIRGINIA ST OF BUREAU DIV OF COMM DIV OF NAT RES PB LD	4-CC16-11
12	ST OF WV BUREAU OF COMM-DNR PUBLIC LAND CORP	4-CC16-23.1
13	ST OF WV DEPT OF COMMERCE NAT RESOURCES	4-CC16-23
14	ST OF WV DEPT OF COMMERCE NAT RESOURCES	4-CC16-24
15	ST OF WV DEPT OF COMMERCE NAT RESOURCES	4-CC20-30
ADJOINING OWNER TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	FRESHWATER MARGARET	4-C12K-80
B	HAMILTON DEBORAH JANE	4-C12K-78
C	MCDERMOTT 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	MCDERMOTT 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	PENNWEIR CONSTRUCTION CO	380-014-00-00-0006-00
L	ST OF WV DEPT OF COMMERCE NAT RESOURCES	4-CC20-30
M	GOODMAN RICHARD T & JANICE (SURV)	4-CC20-30.1
N	GOODMAN RICHARD & JANICE	4-CC20-29
O	ST OF WV DEPT OF COMMERCE NAT RESOURCES	4-CC20-27
P	ST OF WV DEPT OF COMMERCE NAT RESOURCES	4-CC20-26
Q	ST OF WV DEPT OF COMMERCE NAT RESOURCES	4-CC16-8
R	STATE OF WV BUREAU COMM-DIV NR PUBLIC LAND CORP	4-CC16-8.1
S	DAMI TERRY A ETAL (LE-JOSEPH T & LOIS C	4-CC16-9
T	WEST VIRGINIA ST OF BUREAU OF COMM DIV OF NAT RES PB LD COMM	4-CC16-10
U	WEST VIRGINIA ST OF BUREAU OF COMM DIV OF NAT RES PB LD CORP	4-CC16-12
V	MOLNAR DENNIS SR & DENNIS JR	4-CC16-13
W	MOLNAR DENNIS SR & DENNIS JR	4-CC16-13
X	HOOPER TIMOTHY S & STACY (SURV)	4-CC12-54
Y	FIELD LEONARD KEITH	4-CC16-31
Z	WILLS KENNETH 1/3 WILLS TED 1/3 ELLER DONNA 1/3	4-CC16-33
AA	VANCAMP NEIL E JR & MICHELLE L (SURV)	4-CC16-28
AB	MAROSI PAUL	4-CC16-1
AC	IVILL LIVING TRUST CHERYL TRUSTEE	4-C115-58
AD	DENNIS TAWNIA R	4-CC12-62
AE	DENNIS SHAWN A	4-C12J-33
AF	LANTZ SUSAN PORCH	4-C12J-28
AG	THOMAS RITA K	4-CC12-55
AH	LEWIS MATTHEW C & HOLLY W (SURV)	4-CC12-52
AI	LONGWELL MARTY R & DIANA L (SURV)	4-CC12-48
AJ	LONGWELL MARTY R & DIANA L (SURV)	4-CC12-47
AK	LONGWELL MARTY R & DIANA L (SURV)	4-CC12-46
AL	LONGWELL DIANA LYNN & MARTY ROBBON	4-CC12-45
AM	BUBECK PHILIP J	4-CC12-44
AN	BUBECK BRIAN B & STEPHANIE J (SURV)	4-CC12-43
AO	LONGWELL DIANA	4-CC12-42
AP	DODD GERALDINE	4-CC12-41
AQ	DODD PAUL C & DONNA A (JTWS)	4-CC12-40
AR	DODD PAUL C & DONNA A (JTWS)	4-CC12-39
AS	DODD LARRY G SR & NORA LOU	4-CC12-38
AT	THOMAS RITA K	4-CC12-55
AU	MONROE ALLEN & JENNIFER (JTWS)	4-CC12-63
AV	WEST VIRGINIA ST OF BUREAU OF COMM DIV OF NAT RES PB LD CORP	4-CC16-18
AW	WEST VIRGINIA ST OF BUREAU OF COMM DIV OF NAT RES PB LD CORP	4-CC16-17
AX	CUNNINGHAM TIMOTHY BRIAN	4-CC16-15

09/30/2022

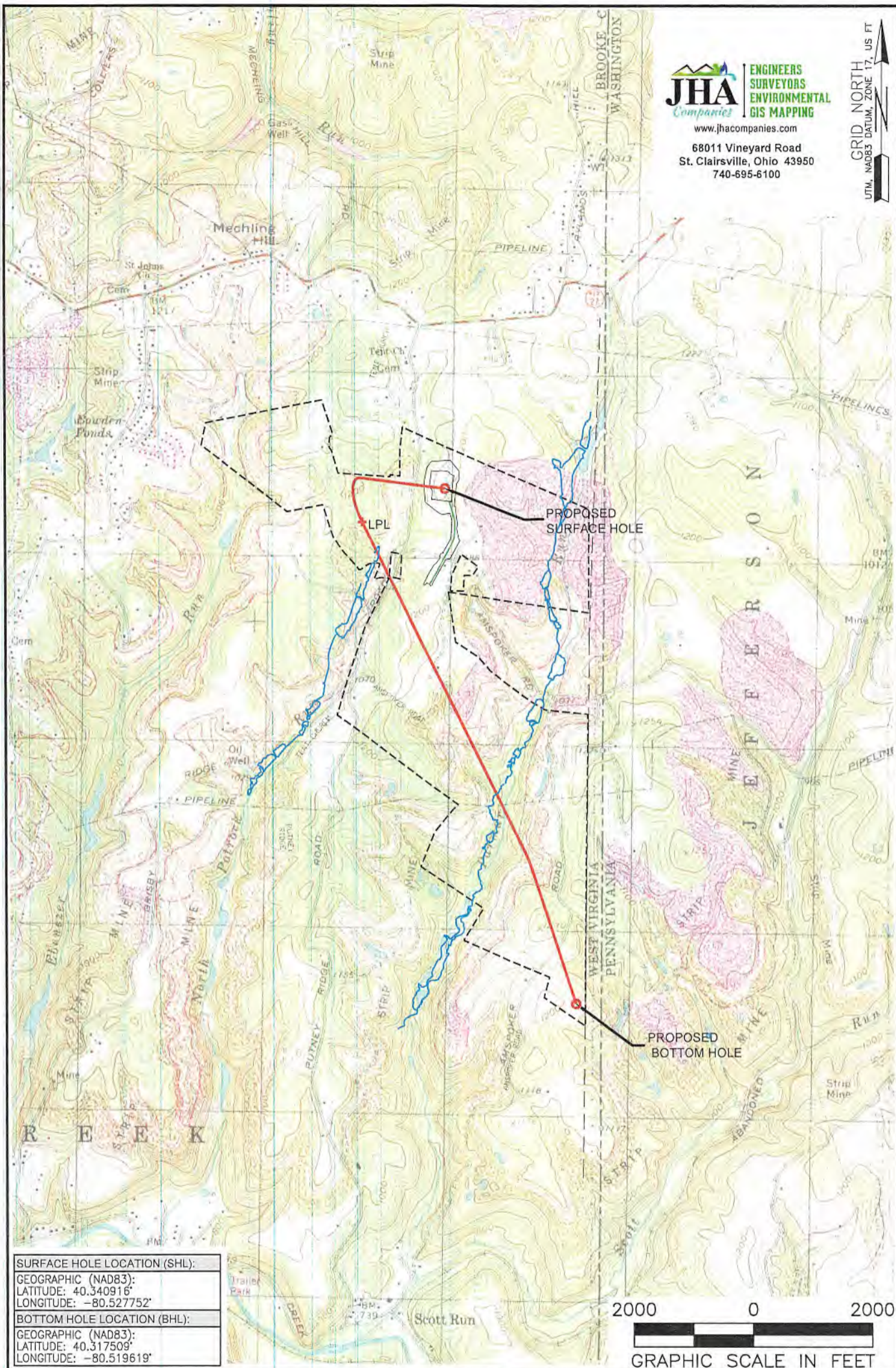
REVISIONS:

COMPANY:		 	
OPERATOR'S		STATE OF WV DNR B BRK	
WELL #:		206H	
WELL #: 47-009-00351			
DISTRICT:	COUNTY:	STATE:	DATE:
CROSS CREEK	BROOKE/OHIO	WV	08-02-2022
		API NO: 47-009-XXXX	
		DRAWN BY: R.GRIMES	
		SCALE: N/A	
		DRAWING NO: 2017-541	
		WELL LOCATION PLAT	



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 68011 Vineyard Road  
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 740-695-6100

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



<b>SURFACE HOLE LOCATION (SHL):</b>
GEOGRAPHIC (NAD83):
LATITUDE: 40.340916°
LONGITUDE: -80.527752°
<b>BOTTOM HOLE LOCATION (BHL):</b>
GEOGRAPHIC (NAD83):
LATITUDE: 40.317509°
LONGITUDE: -80.519619°



**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.

**LEGEND:**

- PROPOSED SURFACE HOLE / BOTTOM HOLE
- ☼ EXISTING / PRODUCING WELLHEAD
- LPLx LANDING POINT LOCATION
- 🌊 FLOOD PLAIN
- NATURAL WATERWAY
- ACCESS ROAD
- PUBLIC ROAD
- ACCESS ROAD TO PREV. SITE
- == LEASE BOUNDARY
- PROPOSED PATH

<b>WELL OPERATOR:</b> SWN PRODUCTION COMPANY, LLC	<b>WELL (FARM) NAME:</b> STATE OF WV DNR B BRK		<b>WELL #</b> 206H	<b>SERIAL #</b> XXXX
<b>ADDRESS:</b> 1300 FORT PIERPONT DRIVE, SUITE 201, MORGANTOWN, WV 26508	<b>COUNTY:</b> BROOKE/OHIO	<b>CODE:</b> 9	<b>DISTRICT:</b> CROSS CREEK	<b>API #</b> 47-000
<b>SURFACE OWNER:</b> STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DNR	<b>USGS 7 1/2 QUADRANGLE MAP NAME:</b> STUBENVILLE EAST			