



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

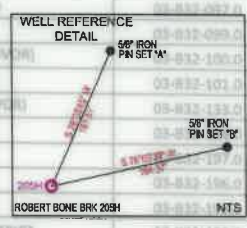
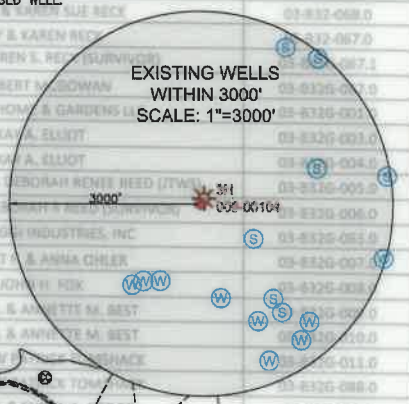
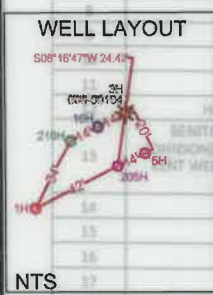
GRID NORTH  
UTM, NAD83 DATUM, ZONE 17, US FT

(2,000' SCALE) LATITUDE: 40°17'30" BOTTOM HOLE

9724'

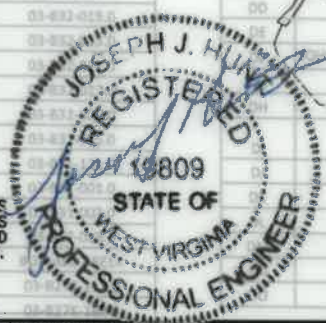
NOTES ON SURVEY

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
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.



SURFACE HOLE LOCATION (SHL):		
UTM (NAD83, ZONE 17, METERS):		
NORTHING:	4452136.50	
EASTING:	533834.23	
LANDING POINT (LPL):		
UTM (NAD83, ZONE 17, METERS):		
NORTHING:	4452359.23	
EASTING:	534435.49	
BOTTOM HOLE LOCATION (BHL):		
UTM (NAD83, ZONE 17, METERS):		
NORTHING:	4457345.96	
EASTING:	532349.44	
SURFACE HOLE LOCATION (SHL):		
UTM (NAD83, ZONE 17, METERS):		
NORTHING:	4452136.49	
EASTING:	533834.31	
LANDING POINT (LPL):		
UTM (NAD83, ZONE 17, METERS):		
NORTHING:	4452340.98	
EASTING:	534439.31	
TURNING POINT LOCATION (TPL1)		
UTM (NAD83, ZONE 17, METERS):		
NORTHING:	4453907.90	
EASTING:	533879.81	
TURNING POINT LOCATION (TPL 2)		
UTM (NAD83, ZONE 17, METERS):		
NORTHING:	4454604.06	
EASTING:	533512.81	
BOTTOM HOLE LOCATION (BHL):		
UTM (NAD83, ZONE 17, METERS):		
NORTHING:	4457345.47	
EASTING:	532347.98	

LINE	BEARING	DISTANCE
L1	S 53°08'48" W	857.01'
L2	N 77°49'15" W	2083.00'



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.E. 19809

COMPANY: SWN Production Company, LLC

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

MINIMUM DEGREE OF ACCURACY: 1/200

PROVEN SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)

STATE OF WEST VIRGINIA OFFICE OF OIL & GAS  
601 57TH STREET  
CHARLESTON, WV 25034

ROBERT BONE

OPERATOR'S WELL #: BRK 205H

API WELL #: 47 009 00288

STATE COUNTY PERMIT

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

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1147.6'

DISTRICT: BUFFALO COUNTY: BROOKE QUADRANGLE: BETHANY, WV & EAST STEUBENVILLE, OH

SURFACE OWNER: ROBERT O. BONE ACREAGE: ±80.99

OIL & GAS ROYALTY OWNER: ROBERT O. BONE ACREAGE: ±80.99

DRILL  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION

CONVERT  PLUG & ABANDON  CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY) AS-DRILLED

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 5,870' TWD 24,581' TWD

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:	EXISTING WATER WELL	REVISIONS:	DATE: 02-18-2022
EXISTING BOTTOM HOLE	EXISTING SPRING	ROBERT BONE	DATE: 02-18-2022
EXISTING / PRODUCING WELLHEAD	SURVEYED BOUNDARY	BRK 205H	DRAWN BY: R. GRIMES
LPL: EXISTING LANDING POINT LOCATION	LEASE BOUNDARY	COUNTY: BROOKE	SCALE: 1" = 3000'
PROPOSED SURFACE HOLE / BOTTOM HOLE	ASDRILLED PATH	STATE: WV	DRAWING NO: 2017-219
LPL: PROPOSED LANDING POINT LOCATION	PROPOSED PATH		WELL LOCATION PLAT