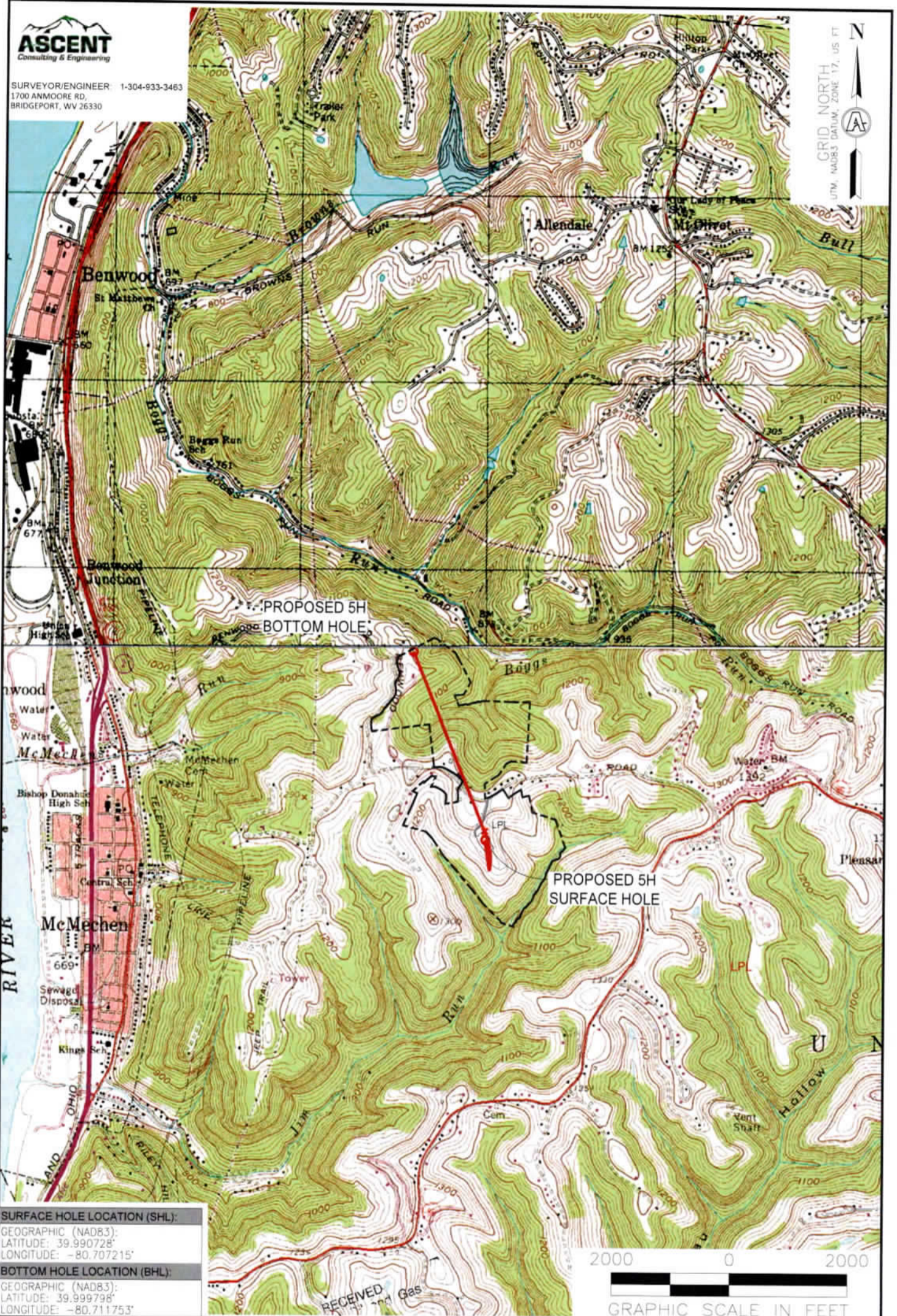




SURVEYOR/ENGINEER 1-304-933-3463  
1700 ANMOORE RD,  
BRIDGEPORT, WV 26330

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



**SURFACE HOLE LOCATION (SHL):**

GEOGRAPHIC (NAD83):  
LATITUDE: 39.990728°  
LONGITUDE: -80.707215°

**BOTTOM HOLE LOCATION (BHL):**

GEOGRAPHIC (NAD83):  
LATITUDE: 39.999798°  
LONGITUDE: -80.711753°

2000 0 2000

GRAPHIC SCALE IN FEET

**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
- ACCESS ROAD TO PREV. SITE
- LEASE BOUNDARY
- PROPOSED PATH
- FLOOD PLAIN

09/15/2023

Office  
AUG 0 3 2023  
WV Environmental Protection

WELL OPERATOR:  
SWN PRODUCTION COMPANY, LLC

ADDRESS:  
1300 FORT PIERPONT DRIVE, SUITE 201

SURFACE OWNER:  
FRANK J. & LORI A. LONGWELL

WELL (FARM) NAME:  
SERAFIN ORTIZ MSH

COUNTY - CODE  
MARSHALL - 51  
USGS 7 1/2 QUADRANGLE MAP NAME  
MOUNDSVILLE, WV

WELL #  
5H

SERIAL #  
XXXX

LATITUDE: 40°00'00"

SURFACE HOLE 11,358'

LATITUDE: 40°00'00" BOTTOM HOLE 957'

LONGITUDE: 80°42'30" BOTTOM HOLE 73'

LONGITUDE: 80°40'00" SURFACE HOLE 3,377'



LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 28°25'05" W	519.25'	SHL TO MONUMENT	IRON ROD
L2	N 00°11'46" E	664.71'	SHL TO MONUMENT	IRON ROD
L3	N 04°46'29" W	152.81'	SHL TO LPL	SHL TO LPL
L4	N 21°57'45" W	3392.83'	LPL TO BHL	LPL TO BHL

SURVEYOR/ENGINEER: 1-304-933-3463  
1700 ANMOORE RD.  
BRIDGEPORT, WV 26330

**SURFACE HOLE LOCATION (SHL):**

UTM (NAD83, ZONE 17, METERS):  
NORTHING: 4,426,769.118  
EASTING: 524,995.416

**LANDING POINT (LPL):**

UTM (NAD83, ZONE 17, METERS):  
NORTHING: 4,426,815.533  
EASTING: 524,991.539

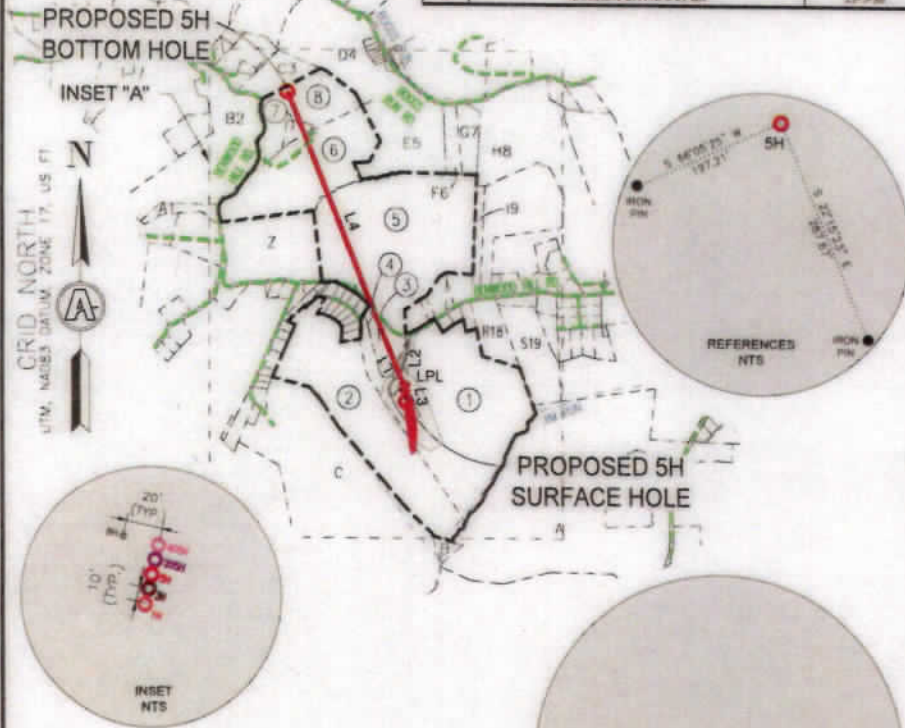
**BOTTOM HOLE LOCATION (BHL):**

UTM (NAD83, ZONE 17, METERS):  
NORTHING: 4,427,774.621  
EASTING: 524,604.774

WELL BORE TRACTS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	LONGWELL FRANK J & LORI A (S) / SERAFIN T. ORTIZ AS TRUSTEE OF THE SERAFIN T. ORTIZ TRUST AGREEMENT DATED JULY 31, 1996 (R)	13-6-49
2	HAUGHT GEORGE ET UX	13-6-31.1
3	WOODRUM SARA J & RICHARDA	13-6-49.2
4	HAUGHT GEORGE WILLIAM II & SHELIA A	13-6-49.3
5	VAN SCYOC PATRICK A & FAITH M	13-6-17
6	STEELE RICHARD P	13-6-14
7	FOSTER THOMAS M ET AL	13-5-38.1
8	HARMON DAVID L ET UX	13-5-38

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	KELLER BRIAN J & COOK DAVID J & AUCEM - TOD	13-6-50
B	HAUGHT GEORGE ET UX	13-6-30.1
C	UPINSKI ERIC R & LORIE A	13-6-51
D	KOONTZ CARL E	13-6-29
E	MERINAR & KOONTZ CO	13-6-28
F	CARNEY DANIEL P ET UX	13-6-27
G	CARNEY DANIEL P ET UX	13-6-26
H	CARNEY DANIEL P ET UX	13-6-25
I	BAKER JAMES F	13-6-24
J	BAKER JAMES F	13-6-23.1
K	RICH JOSEPH A ET UX ES IS	13-6-23
L	HAUGHT GEORGE & MARY	13-6-19
M	JAMES ROBERT A JR & WENDY L	13-6-18
N	JONES DAKOTA M & LISHA GLENDENING	13-6-15
O	SIMMONS MICHAEL J	13-6-14
P	MCDADE ROBERT D	13-6-11
Q	HAUGHT GEORGE ET UX	13-6-10
R	HAUGHT GEORGE ET UX	13-6-9
S	HAUGHT GEORGE W ET UX	13-6-12
T	HAUGHT GEORGE W ET UX	13-6-11
U	CAMPBELL WILLIAM IV & HAYLEE MOORE	13-6-16
V	HULL GAYLE E	13-6-17
W	JONES ALEXA M	13-6-20
X	LEDBETTER WILLIAM R ET UX	13-6-21
Y	SNYDER ANDREW C JR REVOCABLE LIVING TRUST	13-6-22.1
Z	STEELE RICHARD P	13-6-13
A1	KUMA KATHLEEN M	13-6-11
B2	BOZINSKI JAMES H	13-6-30.1
C3	STEVEY KORDAN M	13-5-38.1
D4	OHIO COUNTY COAL RESOURCES INC	13-5-35
E5	WOOD JOHN W ET UX	13-6-16
F6	LOMBARD DENISE L	13-6-16.1
G7	LOMBARD DENISE L	13-6-14
H8	HULL JAMES D & GEORGIA M	13-6-23.18
I9	SCHERICH LEIGH ANN & SETH ANTHONY RENZELLA	13-6-28.17
J10	RITCHIE TIFFANY R & JOSEPH M NELSON	13-6-22
K11	DEFIBAUGH RONALD L	13-6-21
L12	HUTCHISON JAMES A & HOLLY M	13-6-20
M13	TOLER MARGARET - LIFE	13-6-19
N14	WILT VINCENT E	13-6-18
O15	NIXON MADISON M	13-6-49.1
P16	NIXON MADISON M	13-6-48
Q17	VANDYNE ZACHARY D	13-6-47
R18	CRALL MICHAEL & USA DAWN	13-6-46
S19	O'NEAL CYNTHIA	13-6-45

\*HIGHLIGHTED PARCELS MAY BE IMPACTED DURING DRILLING.



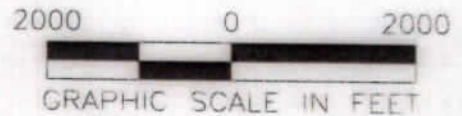
**WELL RESTRICTIONS:**

- NO OCCUPIED DWELLINGS > 2500 SQ FT WITHIN 625 FEET OF CENTER OF PAD.
- NO AGRICULTURE BUILDINGS > 2500 SQ FT WITHIN 625 FEET OF CENTER OF PAD.
- NO WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL.
- PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
- NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.
- 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:**

- TIES TO WELLS AND CORNERS ARE BASED ON UTM, NAD83 DATUM, ZONE 17, US FT.
- WELL LAT/LONG ESTABLISHED BY DIRECT GPS NAD '83.
- BOUNDARIES SHOWN ARE TAKEN FROM TAX MAPS, DEEDS, AND FIELD SURVEY. THIS DRAWING IS NOT REPRESENTATIVE OF A FULL BOUNDARY SURVEY.
- SURFACE OWNER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF OHIO COUNTY IN OCTOBER OF 2021.
- WELLS SHOWN ARE TAKEN FROM RECORDS OF WDEP.

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN 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



P.S. 983 *Michael R. Hyman* 07-10-2023

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

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

OPERATOR'S WELL #: SERAFIN ORTIZ MSH 5H

API WELL #: 47 51 02504  
STATE COUNTY PERMIT

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

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1278.60

DISTRICT: UNION COUNTY: MARSHALL QUADRANGLE: MOUNDVILLE 7.5', WV

SURFACE OWNER: FRANK J. & LORI A. LONGWELL ACREAGE: +44.949

OIL & GAS ROYALTY OWNER: SERAFIN T. ORTIZ, AS TRUSTEE OF THE SERAFIN T. ORTIZ TRUST AGREEMENT DATED JULY 31, 1996 ACREAGE: +44.949

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: 09/15/2023 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:

- PROPOSED SURFACE HOLE / BOTTOM HOLE
- EXISTING / PRODUCING WELLHEAD
- EXISTING WATER WELL
- EXISTING SPRING
- SURVEYED BOUNDARY
- DRILLING UNIT
- LEASE BOUNDARY
- PROPOSED PATH

REVISIONS:

DATE: 07/10/2023  
FILE NO:  
DRAWN BY: TMF  
SCALE: 1" = 2000'  
DRAWING NO: ACE-3048  
WELL LOCATION PLAT 1