
 1 in = 417 ft
 0 0.025 0.05 0.1 0.15 0.2 Miles
 Coordinate System: NAD 1983 UTM Zone 17N
 Units: Meter

Office of Oil and Gas
 NOV 13 2024
 WV Department of Environmental Protection
 Coordinates: 40.101498, -80.542329

S Spring
 W Water Well
 P Pond
 1500' Buffer
 Parcel

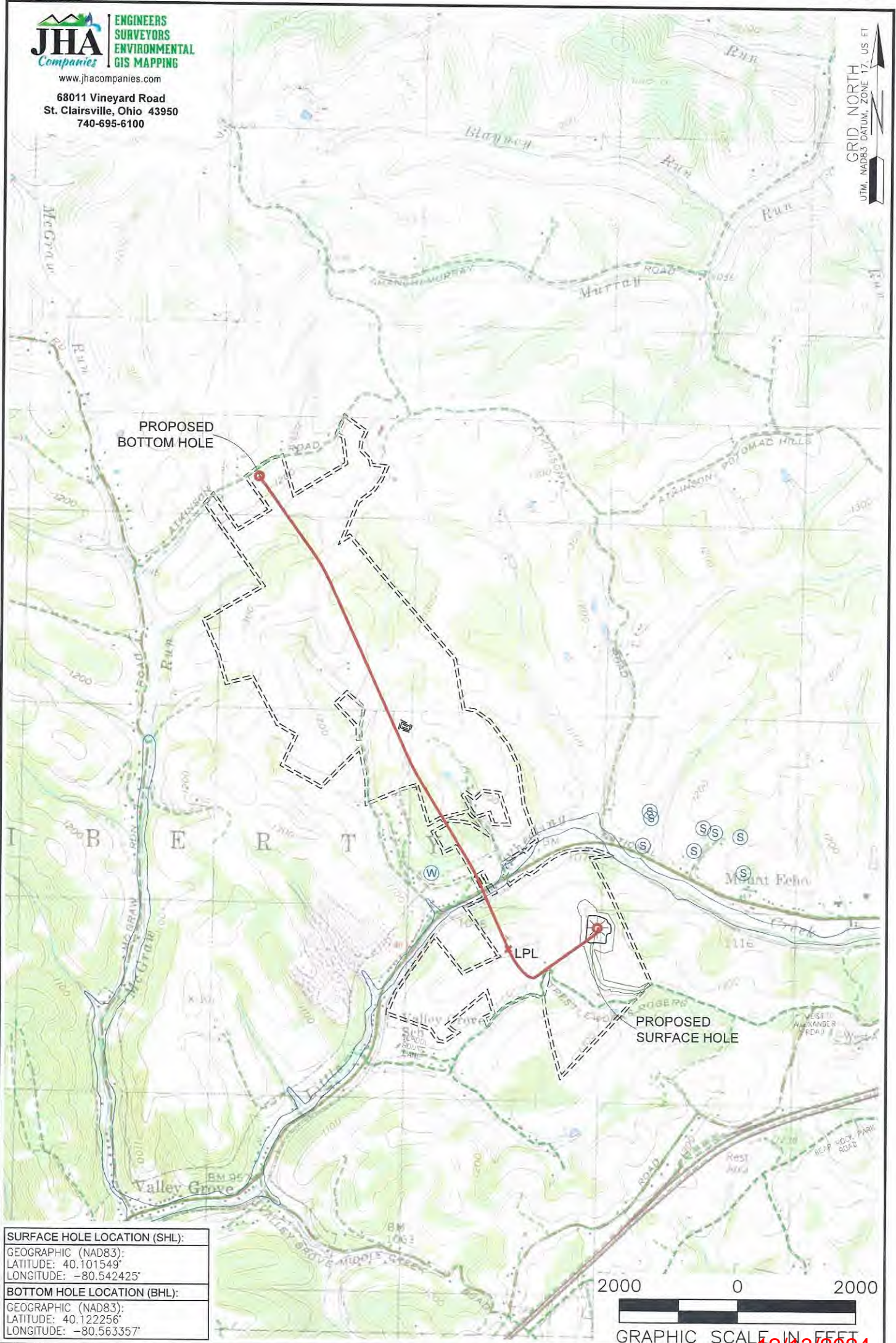
Water Purveyor Map
 Well Pad: Carl Rotter
 County: OH

 *RZ-Vf*
 Southwestern Energy
 12/13/2024
 Date: 9/10/2020 | Author: willish

4706900357

JHA Companies
ENGINEERS SURVEYORS ENVIRONMENTAL GIS MAPPING
 www.jhacompanies.com
 68011 Vineyard Road
 St. Clairsville, Ohio 43950
 740-695-6100

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



| |
|-------------------------------------|
| SURFACE HOLE LOCATION (SHL): |
| GEOGRAPHIC (NAD83): |
| LATITUDE: 40.101549° |
| LONGITUDE: -80.542425° |
| BOTTOM HOLE LOCATION (BHL): |
| GEOGRAPHIC (NAD83): |
| LATITUDE: 40.122256° |
| LONGITUDE: -80.563357° |

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.

RECEIVED
 Office of Oil and Gas
 NOV 13 2024
 WV Department of Environmental Protection

LEGEND:

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

| | | | |
|--|--|-----------------------|-----------------------------|
| WELL OPERATOR: SWN PRODUCTION COMPANY, LLC | WELL (FARM) NAME: CARL ROTTER OHI | WELL # 201H | SERIAL # XXXX |
| ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201, MORGANTOWN, WV 26508 | COUNTY: OHIO | CODE: 069 | DISTRICT: LIBERTY |
| SURFACE OWNER: CARL J. & GRACE A. ROTTER | USGS 7 1/2 QUADRANGLE MAP NAME: WILEYVILLE, WV | | |

12/13/2024

LATITUDE: 40°07'30" SURFACE HOLE (2000' SCALE) 281'

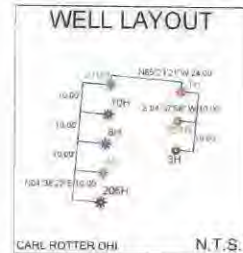
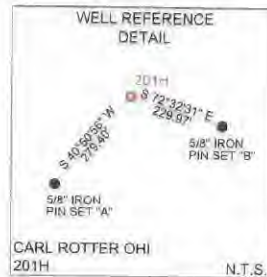
LATITUDE: 40°07'30" BOTTOM HOLE (2000' SCALE)

6134'

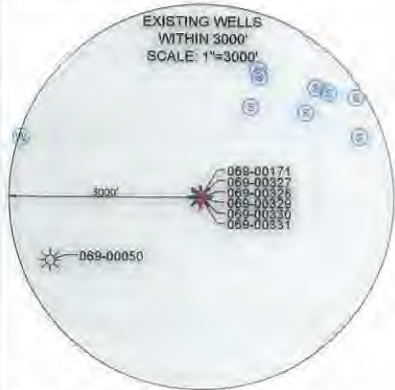
JHA ENGINEERS SURVEYORS ENVIRONMENTAL GIS MAPPING
 www.jhacompanies.com
 68011 Vineyard Road
 St. Clairsville, Ohio 43950
 740-695-6100

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

PROPOSED
 BOTTOM HOLE



| LINE | BEARING | DISTANCE |
|------|-------------|----------|
| L1 | N37°27'10"E | 1474.25' |
| L2 | N31°51'46"E | 1648.79' |



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 PLAN 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

| |
|---|
| SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4439128.58 EASTING: 539000.62 |
| LANDING POINT LOCATION (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4439010.48 EASTING: 538544.66 |
| BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4441417.91 EASTING: 537205.26 |



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

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

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

CARL ROTTER OHI
 OPERATOR'S WELL #: 201H
 API WELL #: 47 069 00357
 STATE COUNTY PERMIT

WELL TYPE: OIL WASTE DISPOSAL PRODUCTION DEEP GAS LIQUID INJECTION STORAGE SHALLOW
 WATERSHED: UPPER OHIO SOUTH ELEVATION: 1336.3'
 DISTRICT: LIBERTY COUNTY: OHIO QUADRANGLE: VALLEY GROVE, WV
 SURFACE OWNER: CARL J. & GRACE A. ROTTER ACREAGE: ±77.45
 OIL & GAS ROYALTY OWNER: CARL J. & GRACE A. ROTTER ACREAGE: ±77.45
 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: 6584' TVD 16242' 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: (H) PROPOSED SURFACE HOLE / BOTTOM HOLE * EXISTING / PRODUCING WELLHEAD LPL* LANDING POINT LOCATION (W) EXISTING WATER WELL (S) EXISTING SPRING --- NATURAL WATERWAY --- SURVEYED BOUNDARY = = = LEASE BOUNDARY --- PROPOSED PATH --- PUBLIC ROAD | REVISIONS: DATE: 10-17-2024 API NO: 47-103-XXXXX DRAWN BY: Z. WOOD SCALE: 1" = 2000' DRAWING NO: 2018-0153 WELL LOCATION PLAT |
|--|--|



| ADJOINING OWNERS TABLE | | |
|------------------------|--|-------------|
| TRACT | SURFACE OWNER | TAX PARCEL |
| A | GRIFFITH SHARON & WARREN | 3-L11-60.1 |
| B | SCHMIDT TODD R | 3-L11-46.22 |
| C | KLAGES LLOYD A JR | 3-L11-46.18 |
| D | WATSON GARY L & ROSE | 3-L11-55.1 |
| E | WEASE DUANE L & RHONDA L. | 3-L11-55.2 |
| F | ROTTER C J & GRACE A | 3-L11-53 |
| G | ROTTER C J & GRACE A | 3-L11-52 |
| H | WEASE DUANE L & RHONDA L | 3-L11-58 |
| I | TUNNEL RIDGE LLC | 3-L11-55 |
| J | DAVIS DANIEL R & DAVIS DONNA EVANS | 3-L11-49.3 |
| K | TUNNEL RIDGE LLC | 3-L11-49.1 |
| L | TUNNEL RIDGE LLC | 3-L11-34.2 |
| M | TUNNEL RIDGE LLC | 3-L11-56 |
| N | TUNNEL RIDGE LLC | 3-L11-34.1 |
| O | ROTTER CARL J & GRACE A | 3-L11-65 |
| P | TUNNEL RIDGE LLC | 3-L11-72 |
| Q | COOK ROBERT L & F A | 8-VG2-56 |
| R | DOBBS JUDY V & DONALD D | 8-VG2-39 |
| S | MILLER TIMOTHY W & K D | 8-VG2-48 |
| T | MILLER MORGAN | 8-VG1-24 |
| U | MILLER MORGAN | 8-VG1-21 |
| V | MILLER MORGAN | 3-L11G-170 |
| W | MILLER MORGAN | 3-L11G-168 |
| X | JACOBS JERRY L | 3-L11G-166 |
| Y | NORRIS RICKY LEE | 3-L11G-165 |
| Z | CAMPBELL ANTOINETTE | 3-L11G-162 |
| AA | CAMPBELL ANTOINETTE | 3-L11G-159 |
| AB | CAMPBELL ANTOINETTE | 3-L11G-154 |
| AC | KOSEM BRENDA & KEVIN | 3-L11G-152 |
| AD | CROFT FLORENCE | 3-L11G-150 |
| AE | ANDERSON CAROLYN L & PAUL | 3-L11G-148 |
| AF | ANDERSON PAUL B & C L | 3-L11G-144 |
| AG | CAMPBELL ANTOINETTE | 3-L11G-142 |
| AH | APACHE FRANK J JR - TOD | 3-L11G-134 |
| AI | CROFT HARY N OR CROFT FLORENCE G | 3-L11G-188 |
| AJ | CROFT HARY N OR CROFT FLORENCE G | 3-L11G-190 |
| AK | COCCO PAUL ALEXANDER & MARY LYNN | 3-L11G-192 |
| AL | APACHE FRANK J JR - TOD | 3-L11G-130 |
| AM | AMERICAN BONDING CO INC | 3-L11G-126 |
| AN | APACHE FRANK J JR - TOD | 3-L11G-124 |
| AO | APACHE FRANK J JR - TOD | 3-L11G-104 |
| AP | APACHE FRANK J JR - TOD | 3-L11G-116 |
| AQ | DREW ROBERT E & KRISTA M | 3-L11G-94 |
| AR | NORMAN MARK | 3-L11G-21 |
| AS | KIGER BRUCE J - TOD | 3-L11-25 |
| AT | GROUX EDWARD G & JOAN C-LIFE GROUX EDWARD G JR | 3-L11-26.5 |
| AU | GROUX EDWARD G & JOAN C-LIFE GROUX EDWARD G JR | 3-L11-26.4 |
| AV | CARR THOMAS M & JACKIE R | 3-L11-26.1 |
| AW | COYNE BRIAN J & REBBECA L | 3-L8-32.4 |



| WELL BORE TABLE FOR SURFACE/ROYALTY OWNERS | | |
|--|--|-------------|
| TRACT | SURFACE OWNER (S) / ROYALTY OWNER (R) | TAX PARCEL |
| 1 | ROTTER CARL J & GRACE A (S/R) | 3-L11-54 |
| 2 | DAVIS DONNA E & DANIEL R | 3-L11-50 |
| 3 | DAVIS DONNA EVANS & DANIEL R | 3-L11-49.2 |
| 4 | DAVIS DONNA E & WEASE RHONDA | 3-L-11-49 |
| 5 | ROTTER CARL J & GRACE A (S/R) | 3-L-11-64 |
| 6 | NOLAN JOHN A JR | 3-L11-61 |
| 7 | TUNNEL RIDGE LLC | 3-L11-71 |
| 8 | SHELBY MARIE OPIC | 8-VG2-55 |
| 9 | WV STATE DEP OF HIGHWAYS | US ROUTE 40 |
| 10 | CULLEY ESTHER BELLE | 8-VG1-28 |
| 11 | MITSCH JOS E & C T | 8-VG1-26 |
| 12 | MITSCH JOS E & C T | 3-L11G-257 |
| 13 | KNIERIM HENRY E & N J | 3-L11G-172 |
| 14 | ZINK CHARLES H | 3-L11G-182 |
| 15 | CROFT FLORENCE | 3-L11G-196 |
| 16 | KNIERIM HENRY E & N J | 3-L11G-204 |
| 17 | CROFT FLORENCE | 3-L11G-206 |
| 18 | CROFT FLORENCE | 3-L11G-208 |
| 19 | CROFT FLORENCE | 3-L11G-210 |
| 20 | KOSEM BRENDA A & KEVIN F | 3-L11G-211 |
| 21 | CROFT FLORENCE | 3-L11G-222 |
| 22 | CROFT FLORENCE | 3-L11G-223 |
| 23 | APACHE FRANK J JR -TOD | 3-L11G-100 |
| 24 | GROUX EDWARD & JOAN | 3-L11G-99 |
| 25 | GROUX EDWARD G JR & GROUX JEFFREY L | 3-L11C-35 |
| 26 | GROUX EDWARD G JR & GROUX JEFFREY L | 3-L11-27 |
| 27 | GROUX EDWARD G & LYDIA C -LIFE GROUX EDWARD G JR | 3-L11-26 |
| 28 | KNIGHT CRAIG C & KATHLEEN | 3-L8-33.8 |
| 29 | HOWELL LAND GROUP LLC | 3-L8-33.7 |
| 30 | DEDO CHARLES JR & JEANNE S | 3-L8-33.12 |

| | | | | |
|--------------------------|---|-----------|-----------------------|--|
| REVISIONS: 47 069 60 357 | COMPANY: SWN Production Company, LLC | | DATE: 10-17-2024 | |
| | OPERATOR'S: CARL ROTTER OH | | API NO: 47-103-XXXX | |
| | WELL #: 201H | | DRAWN BY: Z. WOOD | |
| DISTRICT: LIBERTY | COUNTY: OHIO | STATE: WV | SCALE: N/A | |
| | | | DRAWING NO: 2018-0153 | |
| | | | WELL LOCATION PLAT | |

12/13/2024

| ADJOINING OWNERS TABLE | | |
|------------------------|---|------------|
| TRACT | SURFACE OWNER | TAX PARCEL |
| AX | ASHTON ROBERT A & MARY | 3-L8-32.2 |
| AY | KNOLLINGER SCOTT W | 3-L8-13.3 |
| AZ | HOWELL LAND GROUP LLC | 3-L8-33.13 |
| BA | HOWELL LAND GROUP LLC | 3-L8-13 |
| BB | SUBASIC JOSEPH THOMAS & SUBASIC ASHLEY LYNNE | 3-L8-13.5 |
| BC | TEMPLIN SEAN A | 3-L8-13.6 |
| BD | FRIO JAMES W | 3-L8-12 |
| BE | SHILLING C MURRAY | 3-L8-33.10 |
| BF | PATTERSON TERRY L | 3-L8-33.6 |
| BG | PATTERSON TERRY L | 3-L8-33.2 |
| BH | RAILING BILL | 3-L8-12.7 |
| BI | SHILLING C MURRAY | 3-L8-33.4 |
| BJ | SHILLING ROBERT A SR | 3-L8-33 |
| BK | CREWS MICAH J & TERRA J | 3-L8-33.11 |
| BL | CREWS MICAH J & TERRA J | 3-L8-33.3 |
| BM | KNIGHT CRAIG C & KATHLEEN | 3-L8-33.5 |
| BN | JONES ROBERT C | 3-L8-11.1 |
| BO | GROUX EDWARD G & JOAN C -LIFE GROUX EDWARD G JR | 3-L11-26.6 |
| BP | DAVIS DAVID E JR | 3-L8-35 |
| BQ | WINTERS FAMILY FARM LLC | 3-L11-28 |
| BR | VANCE DONNA ELAINE | 3-L11-32.1 |
| BS | VANCE DONNA ELAINE | 3-L11-32.2 |
| BT | HOLLOWAY STRICKLAND III | 3-L11-32 |
| BU | TUNNEL RIDGE LLC | 3-L11-33 |
| BV | CURRENCE BRENT "WOODY" | 8-VG2-54 |
| BW | NOLAN JOHN A JR | 3-L11-66 |
| BX | NOLAN JOHN A JR | 3-L11-63 |
| BY | TUNNEL RIDGE LLC | 3-L12-32 |
| BZ | GROUX BRIAN D & COURTNEY J | 3-L11-26.7 |
| CA | STILES SIDNEY LEE | 3-L11C-34 |
| CB | MITSCH JOS E & C T | 3-L11G-256 |
| CC | CHIPKAR EDWARD B | 3-L11-27.1 |
| CD | GROUX EDWARD G III & GROUX ARIEL D | 3-L11-27.3 |
| CE | PRITT JESS W & VIRGINIA & C/O PRITT PHYLLIS | 8-VG1-25 |

12/13/2024

| | | | | |
|-----------------------|---|--------------|---|-----------------------|
| REVISIONS: 4706900357 |  | |  | |
| | COMPANY: | | DATE: 10-17-2024 | |
| | OPERATOR'S: CARL ROTTER OHI | | API NO: 47-103-XXXX | |
| | WELL #: 201H | | DRAWN BY: Z. WOOD | |
| | DISTRICT: LIBERTY | COUNTY: OHIO | STATE: WV | SCALE: N/A |
| | | | | DRAWING NO: 2018-0153 |
| | | | | WELL LOCATION PLAT |