

LATITUDE: 40°17'30" SURFACE HOLE ← 1820'

LATITUDE: 40°15'00" BOTTOM HOLE

9596'

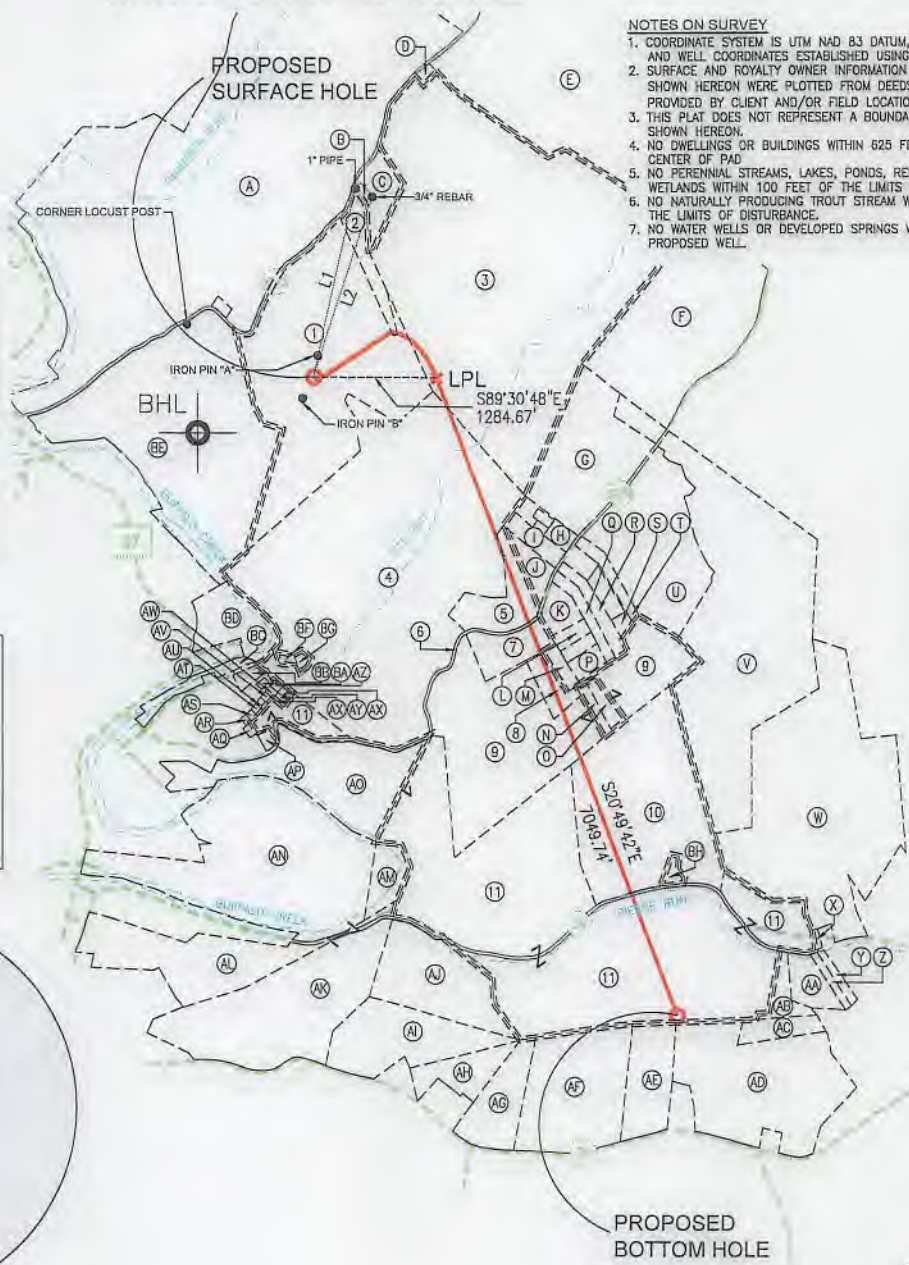
LONGITUDE: 80°32'30" BOTTOM HOLE

LONGITUDE: 80°35'00" SURFACE HOLE

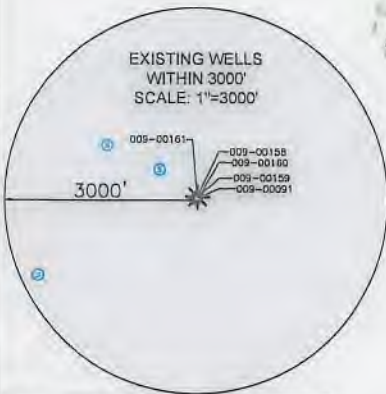
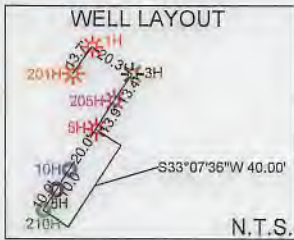
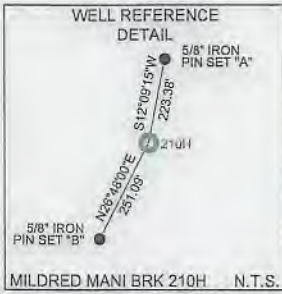


68011 Vineyard Road
St. Clairsville, Ohio 43950
740-695-6100

- NOTES ON SURVEY**
1. COORDINATE SYSTEM IS UTM NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
 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 PAD.
 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.

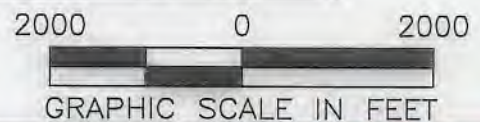


GRID NORTH
UTM, NAD83 DATUM, ZONE 17, US FT



| |
|---|
| SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4456007.38 EASTING: 534896.15 |
| LANDING POINT LOCATION (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4456010.61 EASTING: 535287.55 |
| BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4454016.12 EASTING: 536084.82 |

| LINE | BEARING | DISTANCE |
|------|-------------|----------|
| L1 | S12°55'27"W | 2006.99' |
| L2 | S18°30'42"W | 1968.17' |



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. 2041

(+) 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 GRADE GPS ELEVATION: (NAVD 88, US FT)

MILDRED MANI BRK

OPERATOR'S WELL #: 210H

API WELL #: 47 009 00284
STATE COUNTY PERMIT

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

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1,073.1'

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

SURFACE OWNER: MILDRED MANI & MILES BAUER ACREAGE: ±95.00

OIL & GAS ROYALTY OWNER: MILDRED MANI & MILES BAUER ACREAGE: ±95.00

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: 5,817' TVD 13,306' 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: | | REVISIONS: | DATE: 06-28-2019 |
| ○ PROPOSED SURFACE HOLE / BOTTOM HOLE | — NATURAL WATERWAY | | API NO: 47-009-XXXXX |
| ⊙ EXISTING / PRODUCING WELLHEAD | — SURVEYED BOUNDARY | | DRAWN BY: D. REED |
| LPL ⬄ LANDING POINT LOCATION | == LEASE BOUNDARY | | SCALE: 1" = 2000' |
| ⊙ EXISTING WATER WELL | — PROPOSED PATH | | DRAWING NO: 2018-402 |
| ⊙ EXISTING SPRING | — PUBLIC ROAD | | WELL LOCATION PLAT |

| WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS | | |
|--|---|--------------------|
| TRACT | SURFACE OWNER (S) / ROYALTY OWNER (R) | TAX PARCEL |
| 1 | MILDRED MANI & MILES BAUER (S/R) | 03-B27-26.0 |
| TRACT | SURFACE OWNER | TAX PARCEL |
| 2 | MICHAEL W. SIMON | 03-B27-25.0 |
| 3 | CHAD ALAN & NICOLE TIFFANY GRAHAM | 03-B27-22.0 |
| 4 | STARVAGGI INDUSTRIES, INC. | 03-B32H-41.0 |
| 5 | GARY A., JR. & ANDREA MORRIS | 03-B33-05.0 |
| 6 | WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS | GENTEEL RIDGE ROAD |
| 7 | CAROL ANN WISNER | 03-B33-06.0 |
| 8 | CHRISTY A. CYBULSKI | 03-B33-10.0 |
| 9 | BEAR TRAK PROPERTIES, LLC | 03-B33-10.2 |
| 10 | STARVAGGI INDUSTRIES, INC. | 03-B33-55.0 |
| 11 | STARVAGGI INDUSTRIES, INC. | 03-B33-54.0 |

| ADJOINING OWNERS TABLE | | |
|------------------------|--|--------------|
| TRACT | SURFACE OWNER | TAX PARCEL |
| A | MILDRED MANI, MILES BAUER & ERIK BAUER | 03-B27-21.0 |
| B | ANTHONY & KRISTEN LONG | 03-B27-24.0 |
| C | LARRY B. & SHELLY D. ARACICH | 03-B27-23.0 |
| D | VEMURI HOME & GARDEN, LLC | 03-B27-20.0 |
| E | MIRANDA SILVER MILLER & JOYCE IRENE SAWYER | 03-B28E-03.0 |
| F | LANA LOU GILKEY | 03-B28-20.0 |
| G | KATHRYN A. DEGARMO (A.K.A. KATHRYN A. YOUNG) | 03-B33-20.4 |
| H | THOMAS M. & DEBORAH J. OLDAKER | 03-B33-01.0 |
| I | NAOMI BARNHART | 03-B33-03.0 |
| J | ERIC SCOTT | 03-B33-04.0 |
| K | ELIZABETH J. & MICHAEL W. MCADOO | 03-B33-10.1 |
| L | MARY JO RAMSEY (L/E: MIRIAM FAULKNER) | 03-B33-14.0 |
| M | THOMAS F. & CHRISTY A. CYBULSKI | 03-B33-07.0 |
| N | JEFFREY L. MARTINDILL | 03-B33-09.0 |
| O | RICHARD C. & BONNIE K. OLENICK | 03-B33-08.0 |
| P | EDWARD FRANK MARKER, III (L/E: DAKOTA J. MARKER) | 03-B33-11.0 |
| Q | JAMES W. HAUGHT & JUSTINA J. HAUGHT | 03-B33-15.0 |
| R | JAMES W. HAUGHT & JUSTINA L. HAUGHT | 03-B33-16.0 |
| S | ROBERT, JR. & CYNTHIA ANTILL | 03-B33-17.2 |
| T | JAMES W. MYERS (L/E: JAMES A. & JOANN MYERS) | 03-B33-19.0 |
| U | ALAN H. DEGARMO & MARY KATHRYN HERVEY | 03-B33-20.3 |
| V | PATRICK DEGARMO | 03-B33-20.0 |
| W | STARVAGGI INDUSTRIES, INC. | 03-B33-41.0 |
| X | CHARLES J. DIXON | 03-B33-51.0 |
| Y | WELLS-GIST LAND COMPANY, LLC | 03-B33-47.0 |
| Z | LAWRENCE MCLAUGHLIN, II (L/E: GROVER LEE HAUGHT) | 03-B33-48.0 |
| AA | CARL & SOPHIA DEGARMO | 03-B33-49.0 |
| AB | PELUCHETTI FAMILY TRUST | 03-B33-52.0 |
| AC | PELUCHETTI FAMILY TRUST | 03-B33-53.0 |
| AD | DEBRA KAY PELAEZ | 03-B33-71.0 |
| AE | GREG & REGINA ZOLMAN | 03-B33-69.0 |
| AF | ELIZABETH SYLVIA BARR (T.O.D.) & JOSEPH BEAVER | 03-B33-56.0 |
| AG | BRIAN BIRDSALL | 03-B32-120.0 |
| AH | CARLE LEWIS JONES & MAE DELCIE | 03-B32-124.0 |
| AI | EDWARD J. MARKER | 03-B32-126.0 |
| AJ | JAMES S. & ADRIENE N. ALLEN | 03-B32-98.0 |
| AK | JAMIE L. & LESLIE OHLER | 03-B32-99.1 |
| AL | MARK & GEORGIA FEDAK | 03-B32-99.0 |
| AM | SAMUEL HERVEY HUBBARD | 03-B32-97.0 |
| AN | SAMUEL HERVEY HUBBARD | 03-B32-96.0 |
| AO | ALBERT & LOTTIE STEWART | 03-B32H-50.0 |
| AP | DAVID HAMILTON | 03-B32H-39.0 |
| AQ | SCOTT A. & FAITH L. LAW | 03-B32H-36.0 |
| AR | RICHARD P. & CLEO M. TAYLOR | 03-B32H-27.0 |
| AS | RICHARD P. & CLEO M. TAYLOR | 03-B32H-26.0 |
| AT | RICHARD P. & CLEO M. TAYLOR | 03-B32H-25.0 |
| AU | JAMIE JORDAN | 03-B32H-25.1 |
| AV | JAMIE ALAN JORDAN | 03-B32H-23.0 |
| AW | JAMIE ALAN JORDAN | 03-B32H-22.0 |
| AX | WILLIAM E. JORDAN | 03-B32H-20.0 |
| AY | JAMIE ALAN JORDAN | 03-B32H-19.0 |
| AZ | JEFFREY RAY, JR. & JOANEETTE STACIA JORDAN | 03-B32H-21.0 |
| BA | CLYDE & CAROL JORDAN | 03-B32H-18.0 |
| BB | CLYDE & CAROL JORDAN | 03-B32H-41.1 |
| BC | UNKNOWN OWNER | 03-B32G-63.0 |
| BD | BROOKE COUNTY SADDLE CLUB | 03-B32H-01.0 |
| BE | STARVAGGI INDUSTRIES, INC. | 03-B27-27.0 |
| BF | TRINA ARACICH | 03-B32H-07.0 |
| BG | TIMOTHY J. ARACICH | 03-B32H-08.0 |
| BH | CHARLES STEWART | 03-B33-55.1 |

REVISIONS:

COMPANY:

SWN
Production Company, LLC

SWN *REVISED*
Production Company™

OPERATOR'S MILDRED MANI BRK
WELL #: 210H

DATE: 06-28-2019
API NO: 47-009-XXXX
DRAWN BY: D. REED
SCALE: N/A
DRAWING NO: 2018-402
WELL LOCATION PLAT

DISTRICT: BUFFALO COUNTY: BROOKE STATE: WV