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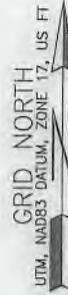
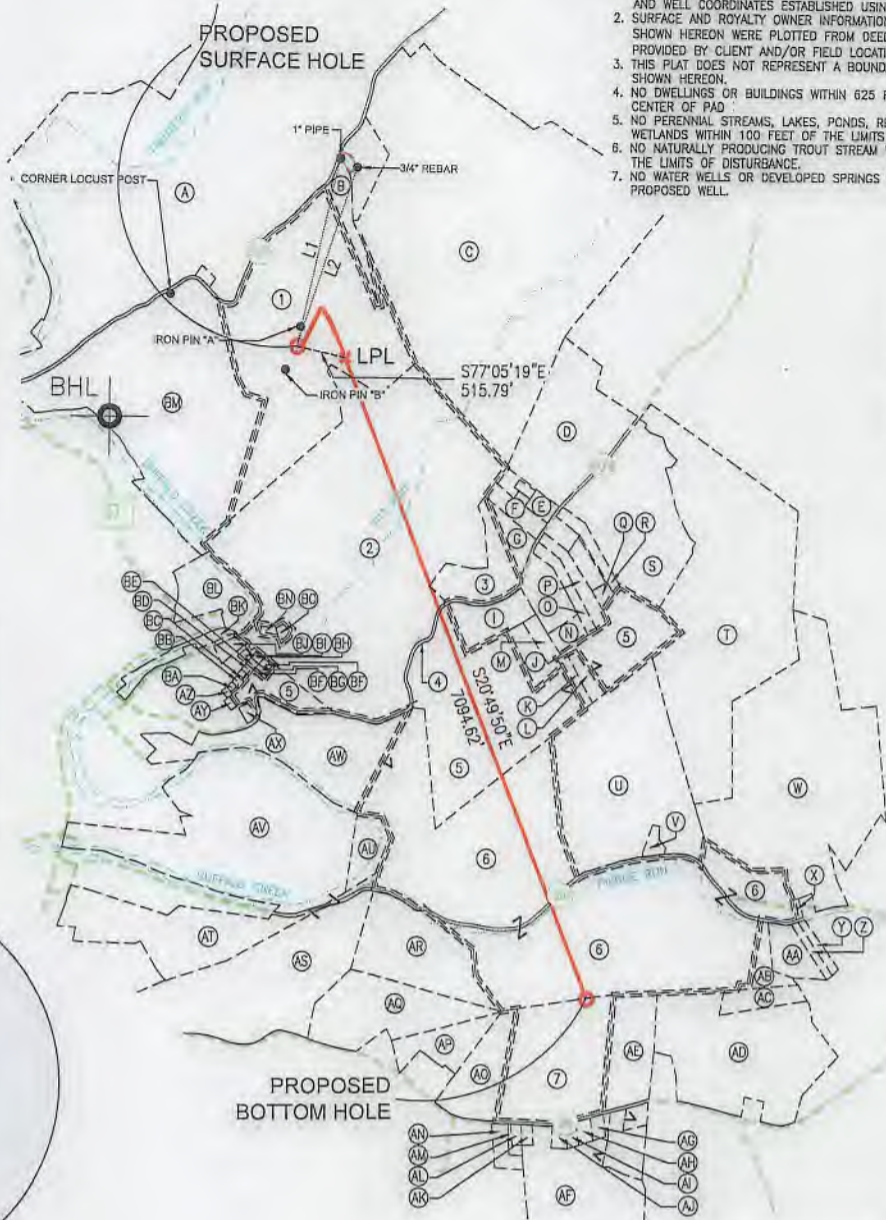
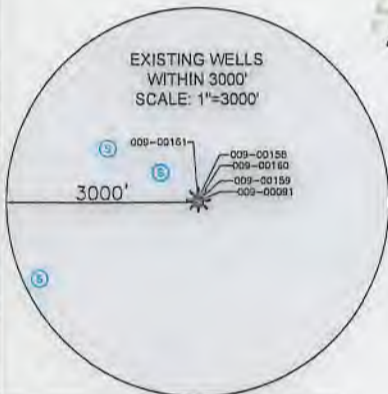
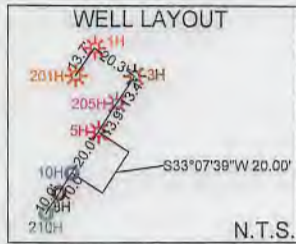
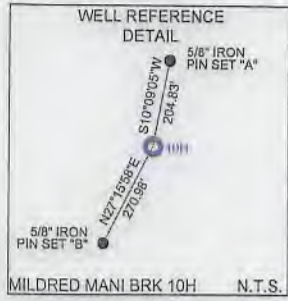
68011 Vineyard Road
St. Clairsville, Ohio 43950
740-695-6100

LATITUDE: 40°17'30" SURFACE HOLE

LATITUDE: 40°15'00" BOTTOM HOLE

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.



LINE	BEARING	DISTANCE
L1	S12°43'31"W	1988.24'
L2	S18°21'47"W	1948.82'

2000 0 2000

GRAPHIC SCALE IN FEET

COMPANY: **SWN** Production Company, LLC

SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4456012.53
EASTING: 534899.39

LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4455979.99
EASTING: 535053.14

BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4453972.83
EASTING: 535855.57



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

<p>(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS</p> <p>WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034</p>	<p>MINIMUM DEGREE OF ACCURACY: 1/200</p> <p>PROVEN SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)</p>	<p>MILDRED MANI BRK</p> <p>OPERATOR'S WELL #: 10H</p> <p>API WELL #: 47 STATE 009 COUNTY 00283 PERMIT</p>
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WELL TYPE: OIL WASTE DISPOSAL PRODUCTION DEEP GAS LIQUID INJECTION STORAGE SHALLOW

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1,072.8'

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: 5,811' TVD 13,157' 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

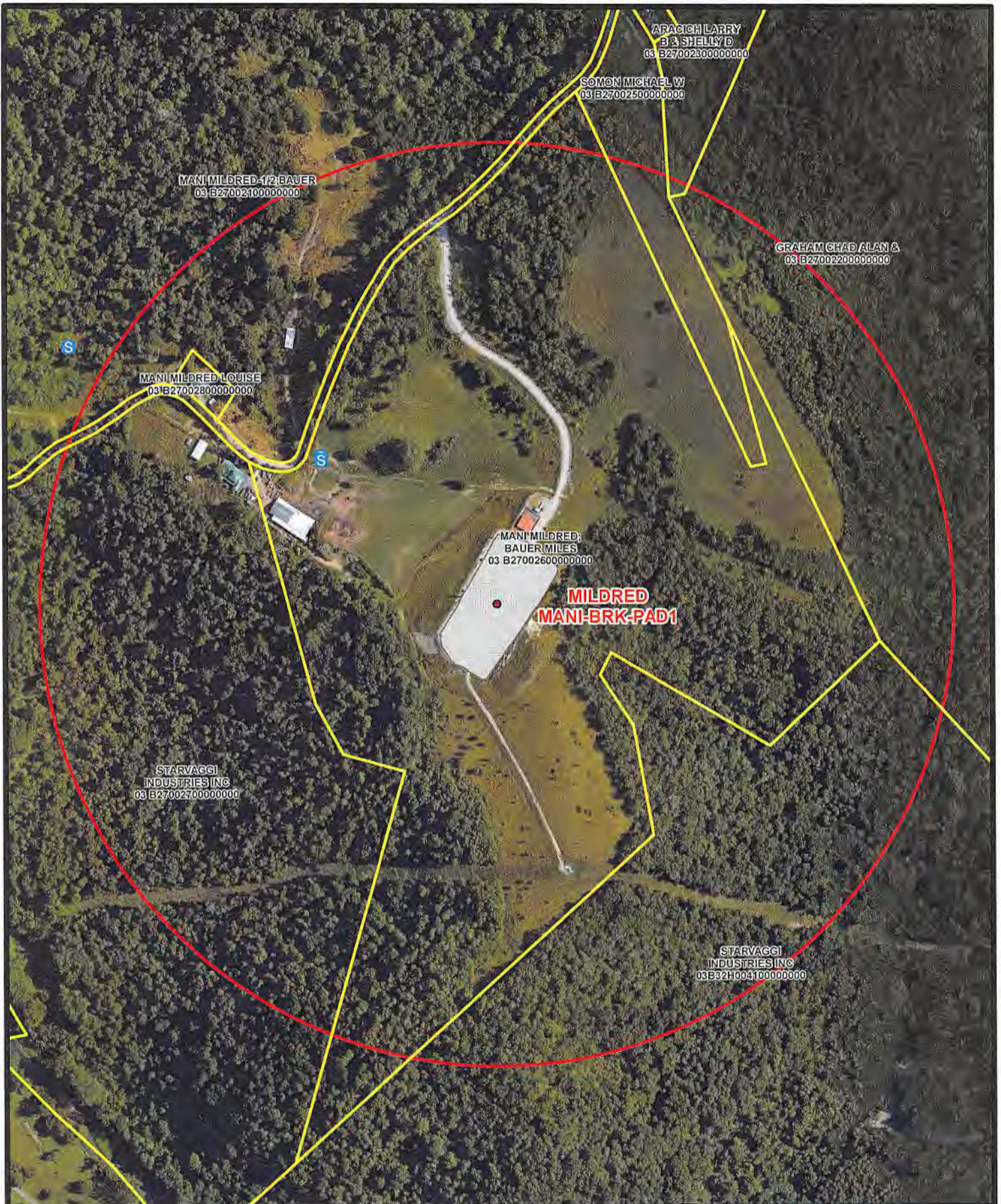
LEGEND:	REVISIONS:	DATE:
○ PROPOSED SURFACE HOLE / BOTTOM HOLE		06-28-2019
⊙ EXISTING / PRODUCING WELLHEAD		API NO: 47-009-XXXX
LPL * LANDING POINT LOCATION		DRAWN BY: D. REED
⊙ EXISTING WATER WELL		SCALE: 1" = 2000'
⊙ EXISTING SPRING		DRAWING NO: 2018-402
— NATURAL WATERWAY		WELL LOCATION PLAT
— SURVEYED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

5324'

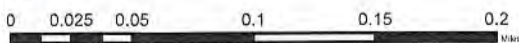
LONGITUDE: 80°32'30" BOTTOM HOLE

13784'

LONGITUDE: 80°35'00" SURFACE HOLE



1 in = 417 ft



Coordinate System: NAD 1983 UTM Zone 17N
Units: Meter

- S Spring
- W Water Well
- P Pond
- Parcel
- 1500' Buffer

Water Purveyor or Map
Well Pad: Mildred Mani
County: BRK



Date: 6/11/2019 Author: willisb

Coordinates: 40.253838, -80.589665