

Latitude: 40°07'30"

SURFACE HOLE 5959'

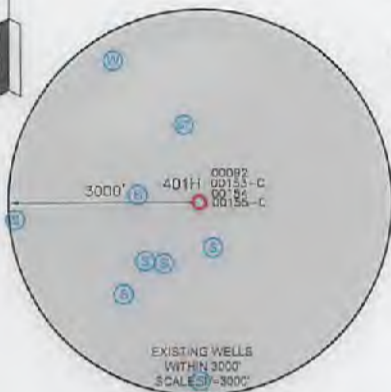
BOTTOM HOLE 1673'

# JACKSON SURVEYING INC.

P.O. Box 1460  
677 W. Main St.  
Clarksburg, WV 26302  
304-623-6851

|  |
|--|
| <b>SURFACE HOLE LOCATION (SHL):</b>  |
| UTM (NAD83, ZONE 17, METERS):<br>NORTHING: 4,437,286.778<br>EASTING: 530,153.319 |
| <b>TURNING POINT LOCATION (TPL):</b>   |
| UTM (NAD83, ZONE 17, METERS):<br>NORTHING: 4,436,950.601<br>EASTING: 529,352.114 |
| <b>LANDING POINT (LPL):</b>  |
| UTM (NAD83, ZONE 17, METERS):<br>NORTHING: 4,437,062.231<br>EASTING: 529,179.200 |
| <b>BOTTOM HOLE LOCATION (BHL):</b>   |
| UTM (NAD83, ZONE 17, METERS):<br>NORTHING: 4,439,722.199<br>EASTING: 527,698.609 |

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



| LINE | BEARING       | DISTANCE  | DESCRIPTION     | MONUMENT       |
|------|---------------|-----------|-----------------|----------------|
| L1   | N 12°34'32" E | 1420.26'  | SHL TO LANDMARK | FD. 5/8" REBAR |
| L2   | N 56°43'20" E | 1,208.80' | SHL TO LANDMARK | FD. 5/8" REBAR |
| L3   | S 67°14'15" W | 2,850.63' | SHL TO TPL      | TPL            |
| LINE | BEARING       | DISTANCE  | CURVE LENGTH    | DESCRIPTION    |
| L4   | N 57°09'18" W | 675.25'   | 735.25'         | TPL TO LPL     |

### WELL RESTRICTIONS

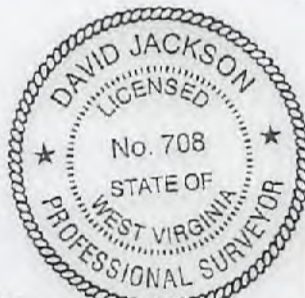
- NO OCCUPIED DWELLINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
- NO AGRICULTURE BUILDINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
- WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL.
- PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 100 FEET OF THE LIMITS OF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

- 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 PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
  - ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.
- 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. 708

*David L Jackson*



COMPANY: **SWN** Production Company, LLC

(+) 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 #: | TIMMY MINCH OHI | 401H   |        |
| API WELL #:        | STATE           | COUNTY | PERMIT |
|                    | 47              | 069    | 00266  |

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

WATERSHED: BROWNS RUN OF PETERS RUN OF LITTLE WHEELING CREEK ELEVATION: 1,208.1'

DISTRICT: TRIADELPHIA COUNTY: OHIO QUADRANGLE: WHEELING, WV

SURFACE OWNER: TIMMY B. MINCH & AMY L. MINCH ACREAGE: ±254.38

OIL & GAS ROYALTY OWNER: TIMMY B. MINCH & AMY L. MINCH ACREAGE: ±254.38

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: 6,032 TVD 17,080 TMD

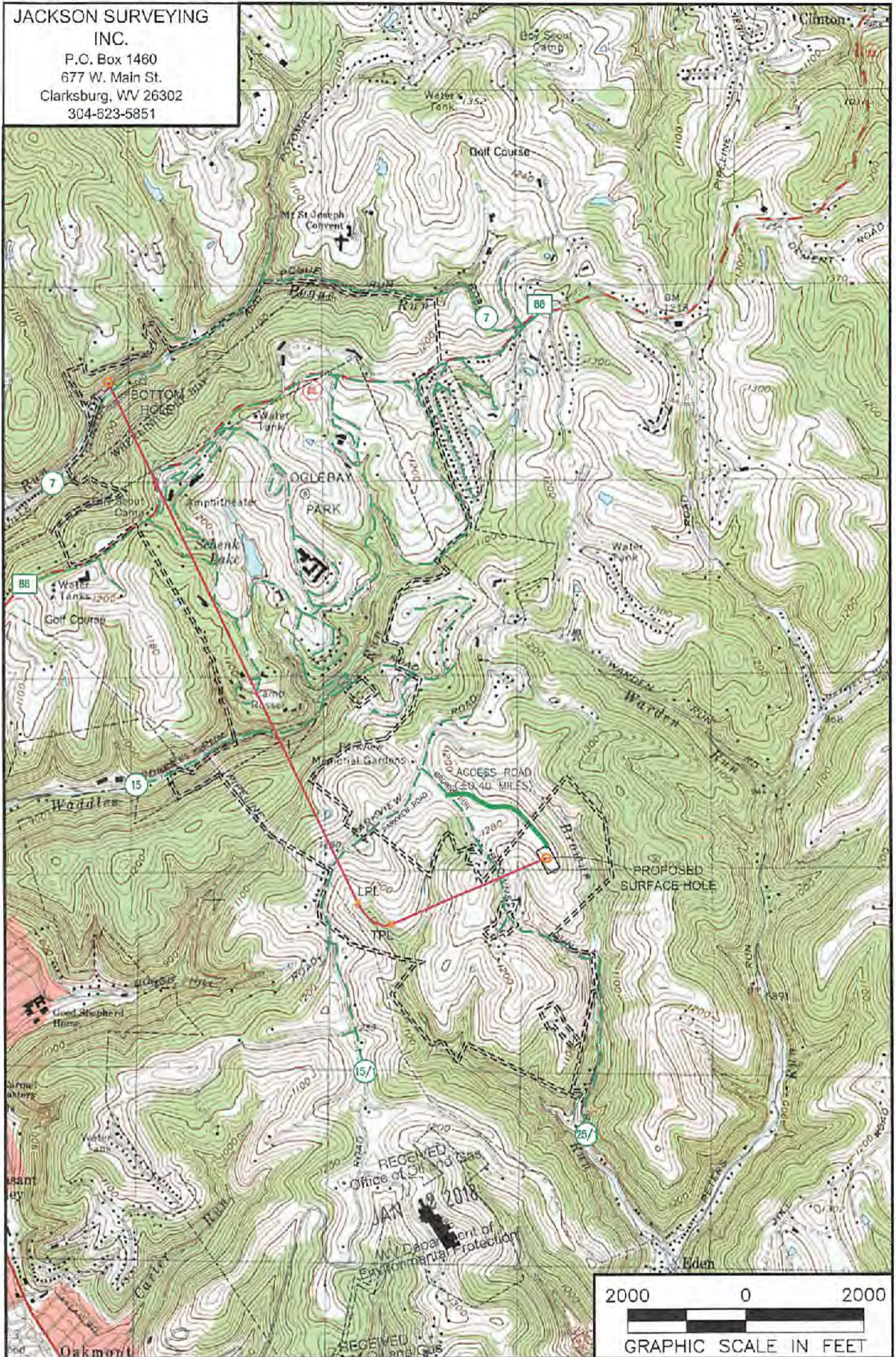
WELL OPERATOR: SWN PRODUCTION COMPANY, LLC DESIGNATED AGENT: DEE SOUTHALL

ADDRESS: P.O. BOX 1300 ADDRESS: P.O. BOX 1300

CITY: JANE LEW STATE: WV ZIP CODE: 26378 CITY: JANE LEW STATE: WV ZIP CODE: 26378

|                                       |                     |                            |                    |
|---------------------------------------|---------------------|----------------------------|--------------------|
| <b>LEGEND:</b>                        | — SURVEYED BOUNDARY | <b>REVISIONS:</b>          | DATE: 07-26-2017   |
| ○ PROPOSED SURFACE HOLE / BOTTOM HOLE | — DRILLING UNIT     | ▲ 6A1 REVISIONS 12-12-2017 |                    |
| ⊙ EXISTING / PRODUCING WELLHEAD       | — LEASE BOUNDARY    |                            | DRAWN BY: N. MANO  |
| LPL ⊙ LANDING POINT LOCATION          | — ADSRILLED PATH    |                            | SCALE: 1" = 2000'  |
| ⊙ EXISTING WATER WELL                 | — PROPOSED PATH     |                            | DRAWING NO:        |
| ⊙ EXISTING SPRING                     |                     |                            | WELL LOCATION PLAT |

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2. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

JAN 2 2018

WV Department of Environmental Protection

**LEGEND:**  
 PROPOSED SURFACE HOLE / BOTTOM HOLE  
 EXISTING / PRODUCING WELLHEAD  
 LANDING POINT LOCATION  
 FLOOD PLAN  
 ACCESS ROAD  
 PUBLIC ROAD  
 ACCESS  
 LEASE BOUNDARY  
 PROPOSED PATH

04/20/2018

|   |  |                          |          |
|---|--|--------------------------|----------|
| WELL OPERATOR:<br>SWN PRODUCTION COMPANY, LLC   | WELL (FARM) NAME:<br>TIMMY MINCH OHI           | WELL #<br>401H           | SERIAL # |
| ADDRESS:<br>P.O. BOX 1300 JANE LEW, WV 26378    | COUNTY - CODE<br>OHIO - 069                    | DISTRICT;<br>TRIADELPHIA |          |
| SURFACE OWNER:<br>TIMMY B. MINCH & AMY L. MINCH | USGS 7 1/2 QUADRANGLE MAP NAME<br>WHEELING, WV |                          |          |