

Latitude: 39°45'00"

SURFACE HOLE 1491'

JACKSON SURVEYING INC.

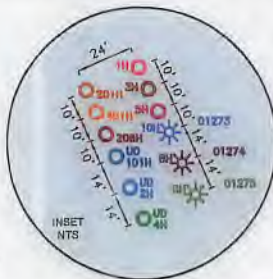
P.O. Box 1460
677 W. Main St.
Clarksburg, WV 26302
304-623-5851

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|----------------------------------------------------------------------------------|
| SURFACE HOLE LOCATION (SHL): |
| UTM (NAD83, ZONE 17, METERS): NORTHING: 4,397,194.793 EASTING: 528,112.919 |
| LANDING POINT LOCATION (LPL): |
| UTM (NAD83, ZONE 17, METERS): NORTHING: 4,397,237.267 EASTING: 528,093.114 |
| BOTTOM HOLE LOCATION (BHL): |
| UTM (NAD83, ZONE 17, METERS): NORTHING: 4,399,486.491 EASTING: 525,610.369 |

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

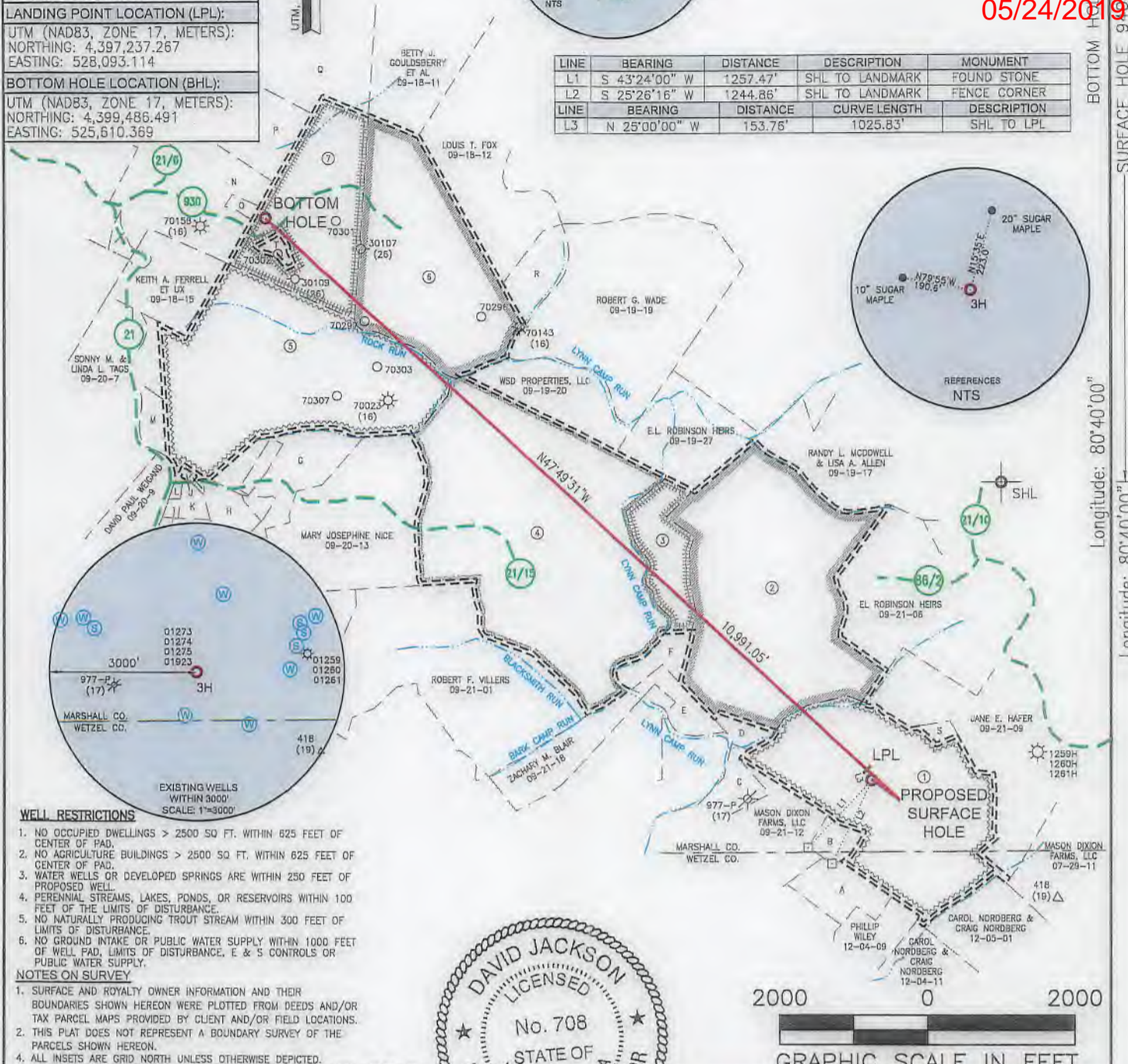


Latitude: 39°45'00" BOTTOM HOLE 9677'

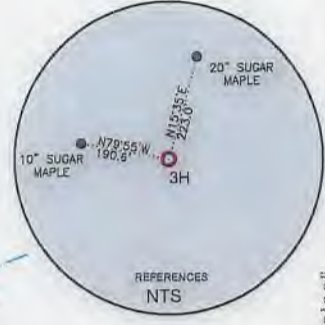
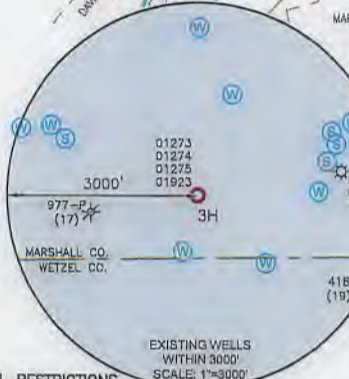


05/24/2019

| LINE | BEARING | DISTANCE | DESCRIPTION | MONUMENT |
|------|---------------|----------|-----------------|--------------|
| L1 | S 43°24'00" W | 1257.47' | SHL TO LANDMARK | FOUND STONE |
| L2 | S 25°26'16" W | 1244.86' | SHL TO LANDMARK | FENCE CORNER |
| LINE | BEARING | DISTANCE | CURVE LENGTH | DESCRIPTION |
| L3 | N 25°00'00" W | 153.76' | 1025.83' | SHL TO LPL |



BOTTOM HOLE 1859'
SURFACE HOLE 9677'
Longitude: 80°40'00"
Longitude: 80°40'00"

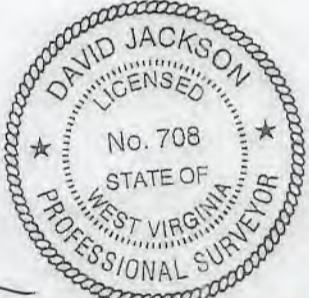


WELL RESTRICTIONS

1. NO OCCUPIED DWELLINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
2. NO AGRICULTURE BUILDINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
3. WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL.
4. PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
5. NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.
6. NO GROUND INTAKE OR PUBLIC WATER SUPPLY WITHIN 1000 FEET OF WELL PAD, LIMITS OF DISTURBANCE, E & S CONTROLS OR PUBLIC WATER SUPPLY.

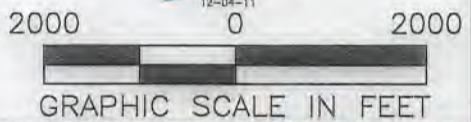
NOTES ON SURVEY

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.
 4. 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

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| (+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS | | MINIMUM DEGREE OF ACCURACY: 1/200 | | ARTHUR WARYCK MSH | |
| WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034 | | PROVEN SURVEY SOURCE OF GRADE GPS ELEVATION: (NAVD 88, US FT) | | OPERATOR'S WELL #: 3H | |
| WELL TYPE: OIL <input type="checkbox"/> WASTE DISPOSAL <input type="checkbox"/> PRODUCTION <input checked="" type="checkbox"/> DEEP <input type="checkbox"/> GAS <input checked="" type="checkbox"/> LIQUID INJECTION <input type="checkbox"/> STORAGE <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> | | WATERSHED: LYNN CAMP RUN OF FISK CREEK (HUC-10) | | ELEVATION: 1326.3' STAKED | |
| DISTRICT: MEADE COUNTY: MARSHALL | | SURFACE OWNER: A. MICHAEL WARYCK & DEBORAH ELLEN WARYCK | | QUADRANGLE: WILEYVILLE, WV | |
| OIL & GAS ROYALTY OWNER: CHARLES W. CAIN & PEARL CAIN | | DRILL <input checked="" type="checkbox"/> DRILL DEEPER <input type="checkbox"/> REDRILL <input type="checkbox"/> FRACTURE OR STIMULATE <input checked="" type="checkbox"/> PLUG OFF OLD FORMATION <input type="checkbox"/> PERFORATE NEW FORMATION <input type="checkbox"/> | | ACREAGE: ±125.39 | |
| CONVERT <input type="checkbox"/> PLUG & ABANDON <input type="checkbox"/> CLEAN OUT & REPLUG <input type="checkbox"/> OTHER CHANGE <input type="checkbox"/> (SPECIFY) | | TARGET FORMATION: MARCELLUS | | ACREAGE: ±125.39 | |
| WELL OPERATOR: SWN PRODUCTION COMPANY, LLC | | DESIGNATED AGENT: BRITTANY WOODY | | API WELL #: 47 051 02183 46A | |
| ADDRESS: P.O. BOX 1300 | | ADDRESS: P.O. BOX 1300 | | STATE COUNTY PERMIT | |
| CITY: JANE LEW STATE: WV ZIP CODE: 26378 | | CITY: JANE LEW STATE: WV ZIP CODE: 26378 | | DATE: 11-08-2018 | |
| LEGEND: ○ PROPOSED SURFACE HOLE / BOTTOM HOLE * EXISTING / PRODUCING WELLHEAD LPL * LANDING POINT LOCATION W EXISTING WATER WELL S EXISTING SPRING | | SURVEYED BOUNDARY DRILLING UNIT LEASE BOUNDARY PROPOSED PATH | | DRAWN BY: N. MANO SCALE: 1" = 2000' DRAWING NO: WELL LOCATION PLAT | |

05/24/2019

| WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS | | |
|----------------------------------------------|---------------------------------------------------------------------------------|------------|
| TRACT | SURFACE OWNER (S) / ROYALTY OWNER (R) | TAX PARCEL |
| 1 | A. MICHAEL WARYCK & DEBORAH ELLEN WARYCK (S) / CHARLES W. CAIN & PEARL CAIN (R) | 09-21-10 |
| TRACT | SURFACE OWNER | TAX PARCEL |
| 2 | APPALACHIAN MIDSTREAM SERVICES, LLC (S) | 09-21-05 |
| 3 | APPALACHIAN MIDSTREAM SERVICES, LLC (S) | 09-21-03 |
| 4 | ROSELAND PROPERTY, LLC (S) | 09-21-02 |
| 5 | PATRICK A. FROHNAPFEL & LISA A. FROHNAPFEL (S) | 09-20-11 |
| 6 | NILA J. FROHNAPFEL (S) | 09-18-14 |
| 7 | CLEMENT E. FROHNAPFEL & BRENDA L. FROHNAPFEL (S) | 09-18-13 |

| ADJOINING OWNERS TABLE | | |
|------------------------|-------------------------------------------|------------|
| TRACT | SURFACE OWNER | TAX PARCEL |
| A | MASON DIXON FARMS, LLC | 09-21-11 |
| B | ANORAH C. SCHOSTAG & RYAN U. SCHOSTAG | 09-21-10.1 |
| C | ZACHARY M. BLAIR | 09-21-13 |
| D | ZACHARY M. BLAIR | 09-21-14 |
| E | ZACHARY M. BLAIR | 09-21-16 |
| F | ZACHARY M. BLAIR | 09-21-04 |
| G | DAVID PAUL WEIGAND | 09-20-12.1 |
| H | ELEANOR T. & JAMES B. MILLER | 09-20-8 |
| I | ELEANOR T. & JAMES B. MILLER | 09-20-9.2 |
| J | ELEANOR T. & JAMES B. MILLER | 09-20-9.1 |
| K | JAMES MILLER ET UX | 09-20-9.6 |
| L | JAMES MILLER ET UX | 09-20-9.5 |
| M | DAVID PAUL FROHNAPFEL | 09-20-7.1 |
| N | ROBERT F. VILLERS | 09-18-16 |
| O | ROBERT F. VILLERS & APRIL L. VILLERS | 09-18-16.4 |
| P | VINCENT J. WAYMAN ET UX | 09-18-17 |
| Q | DOUGLAS J. WAYMAN ET UX | 09-18-8 |
| R | LOUIS T. FOX | 09-19-19.1 |
| S | MASON DIXON FARMS, LLC | 09-21-22 |
| T | CLEMENT E. FROHNAPFEL & BRENDA FROHNAPFEL | 09-18-13.1 |

| | | | |
|------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| REVISIONS: | COMPANY: |   | |
| | OPERATOR'S | ARTHUR WARYCK MSH | |
| | WELL #: | 3H | |
| | DISTRICT: | COUNTY: | STATE: |
| | MEADE | MARSHALL | WV |
| | | | DATE: 11-08-2018 |
| | | | DRAWN BY: N. MANO |
| | | | SCALE: N/A |
| | | | DRAWING NO: |
| | | | WELL LOCATION PLAT 2 |