

**JACKSON SURVEYING
INC.**

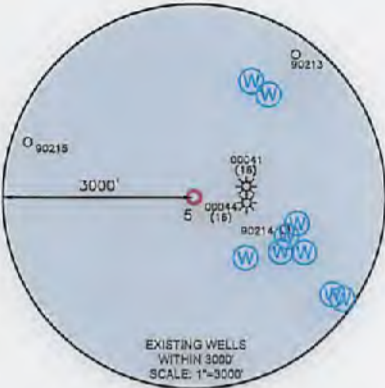
P.O. Box 1460
677 W. Main St.
Clarksburg, WV 26302
304-623-5851

SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,461,420.366
EASTING: 539,282.414

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

| WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS | | | |
|--|--|--------------|--------|
| TRACT | SURFACE OWNER (S) / ROYALTY OWNER (R) | TAX PARCEL | ACRES |
| T | STATE OF WEST VIRGINIA BUREAU OF COMMERCE DIVISION OF NATURAL RESOURCES (S/R) | 04-CC20-06 | 83.858 |
| ADJOINING OWNERS TABLE | | | |
| TRACT | SURFACE OWNER | TAX PARCEL | ACRES |
| A | LINDY L. BLACK | 04-CC20-07 | 1.127 |
| B | JOHN ERNEST MILLER & JESSE ANDREW MILLER | 04-CC20-04 | 5.05 |
| C | DENNIS M. BREEN & SUSAN D. BREEN | 04-CC20-22 | 2.2 |
| D | COLLIERS SPORTSMAN CLUB | 04-CC20-21 | 51.02 |
| E | WILLIAM MORGAN ROUSE & DORIS J. ROUSE | 04-CC20-20 | 21.20 |
| F | SANTY GALIANO & LINDY L. GALIANO | 04-CC20-19.1 | 15.978 |
| G | EDWARD L. CARTER & DEBORAH C. CARTER | 04-CC20-19 | 3.382 |
| H | EDWARD L. CARTER & DEBORAH C. CARTER | 04-CC20-17 | 1.847 |
| I | ERIC T. GALIANO | 04-CC20-16 | 0.153 |
| J | ERIC T. GALIANO | 04-CC20-14 | 0.508 |
| K | ERIC T. GALIANO | 04-CC20-19 | 0.25 |
| L | KEVIN MCCONNELL | 04-CC20-11 | 1.768 |
| M | BARBARA J. MCCONNELL | 04-CC20-10 | 0.64 |
| N | SUSAN K. PRONCHIK | 04-CC20-08 | 0.78 |
| O | STATE OF WEST VIRGINIA BUREAU OF COMMERCE DIVISION OF NATURAL RESOURCES | 04-CC19-159 | 94.02 |

| LINE | BEARING | DISTANCE | DESCRIPTION | MONUMENT |
|------|---------------|----------|-----------------|--------------------|
| L1 | N 67°38'24" W | 1288.14' | SHL TO LANDMARK | 2" IRON PIPE FOUND |
| L2 | N 36°20'10" W | 997.64' | SHL TO LANDMARK | STONE FOUND |



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.

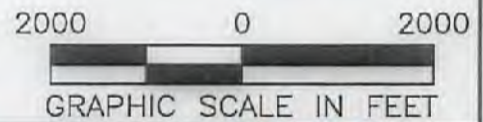
NOTES ON SURVEY

- 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 SWN ^{RT-A-V+}
Production Company, LLC Production Company™

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

STATE OF WV DNR C BRK
OPERATOR'S WELL #: 5
API WELL #: 47 009 00257
STATE COUNTY PERMIT

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

WATERSHED: NORTH FORK CROSS CREEK - CROSS CREEK (HUC-10) ELEVATION: 990'

DISTRICT: CROSS CREEK COUNTY: BROOKE QUADRANGLE: STUEBENVILLE EAST, WV

SURFACE OWNER: STATE OF W.V. DNR ACREAGE: ±83.858

OIL & GAS ROYALTY OWNER: STATE OF W.V. DNR ACREAGE: ±83.858

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: 5,755 TVD (PILOT) 09/07/2018

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

| LEGEND: | | REVISIONS: | | DATE: 02-02-2018 |
|---------|-------------------------------------|------------|-------------------|---|
| | PROPOSED SURFACE HOLE / BOTTOM HOLE | | SURVEYED BOUNDARY | DRAWN BY: N. MANO SCALE: 1" = 2000' DRAWING NO: WELL LOCATION PLAT |
| | EXISTING / PRODUCING WELLHEAD | | DRILLING UNIT | |
| | LPL - LANDING POINT LOCATION | | LEASE BOUNDARY | |
| | EXISTING WATER WELL | | PROPOSED PATH | |
| | EXISTING SPRING | | | |

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47 00 00 02 57



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

LEGEND:

- PROPOSED SURFACE HOLE / BOTTOM HOLE
- ☼ EXISTING / PRODUCING WELLHEAD
- LPL* LANDING POINT LOCATION
- FLOOD PLAIN
- ACCURATE
- - - PUBLIC ROAD
- == ACCESS ROAD TO PREV. SITE
- == LEASE BOUNDARY
- PROPOSED PATH

RECEIVED
Office of Oil and Gas
MAY 24 2018

09/07/2018

| | | | | |
|---|---|---|--------------------------|----------|
| WELL OPERATOR: SWN PRODUCTION COMPANY, LLC | WV Department Environmental Protection | WELL (FARM) NAME: STATE OF WV DNR C BRK | WELL # 5 | SERIAL # |
| ADDRESS: P.O. BOX 1300 JANE LEW, WV 26378 | | COUNTY - CODE BROOKE - 009 | DISTRICT; CROSS CREEK | |
| SURFACE OWNER: STATE OF W.V. DNR | | USGS 7 1/2 QUADRANGLE MAP NAME STUEBENVILLE EAST, WV | | |