

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: 4,395,824.979
EASTING: 533,491.480

LANDING POINT (LPL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,395,864.552
EASTING: 533,508.502

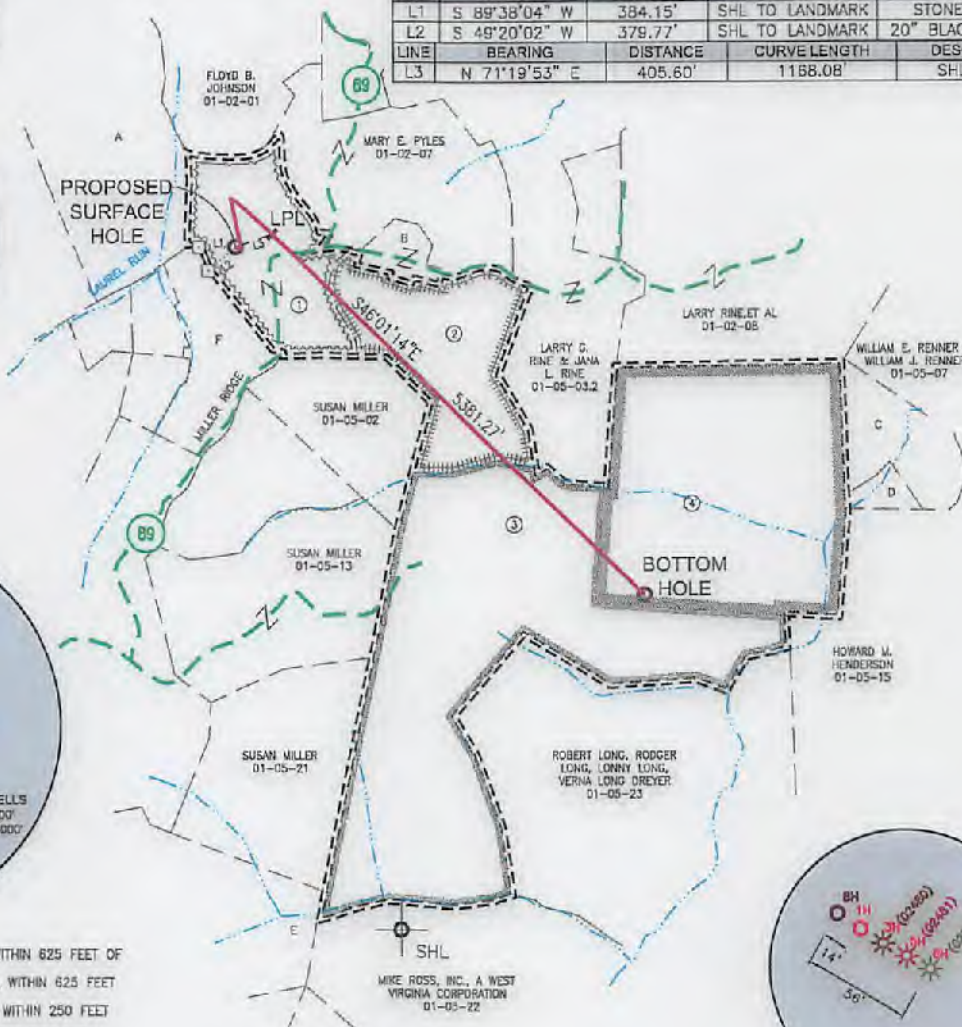
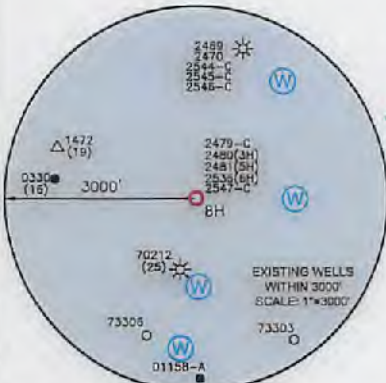
BOTTOM HOLE LOCATION (BHL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,394,725.588
EASTING: 534,788.885

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
1	LARRY G. RINE & JANA L. RINE (S)/VERN STANSBERRY & BESSIE L. STANSBERRY (SHIRLEY A. PARKER; HOWARD G. STANSBERRY) (R)	01-05-01
ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	SHAWN D. HARLAN & VINCENT HARLAN	01-01-08
B	MARY E. PYLES	01-05-35
C	WILLIAM E. RENNER & WILLIAM J. RENNER	01-05-06
D	WILLIAM E. RENNER & WILLIAM J. RENNER	01-05-05
E	JAMES LEE MUSGRAVE, DIANA LOUISE WYKERT, CHARLES FRED MUSGRAVE, GREGORY NEIL MUSGRAVE	01-04-52
F	VENCIN HARLAN	01-04-13

LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	S 89°38'04" W	384.15'	SHL TO LANDMARK	STONE FOUND
L2	S 49°20'02" W	379.77'	SHL TO LANDMARK	20" BLACK CHERRY
LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	N 71°19'53" E	405.60'	1188.08'	SHL TO LP



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.

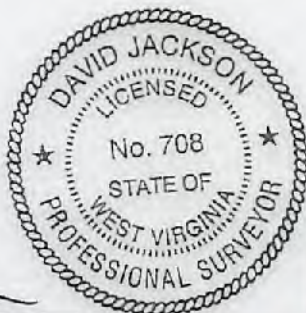
NOTES ON SURVEY

- SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREIN 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



2000 0 2000

GRAPHIC SCALE IN FEET

COMPANY:

SWN

SWN

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 GRADE GPS ELEVATION: (NAVD 88, US FT)

RINE WTZ
OPERATOR'S WELL #: 8H
API WELL #: 47 STATE 103 COUNTY 03229 PERMIT

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

WATERSHED: LITTLE LAUREL RUN OF FISH CREEK (HUC-10) ELEVATION: 1327.7'

DISTRICT: CENTER COUNTY: WETZEL QUADRANGLE: LITTLETON, WV

SURFACE OWNER: LARRY G. RINE & JANA L. RINE ACREAGE: ±60.8

OIL & GAS ROYALTY OWNER: VERN STANSBERRY & BESSIE L. STANSBERRY (SHIRLEY A. PARKER; HOWARD G. STANSBERRY) ACREAGE: ±60.8

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: 7,438 06/15/2018

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: PROPOSED SURFACE HOLE / BOTTOM HOLE SURVEYED BOUNDARY

EXISTING / PRODUCING WELLHEAD DRILLING UNIT

LPL: LANDING POINT LOCATION LEASE BOUNDARY

EXISTING WATER WELL PROPOSED PATH

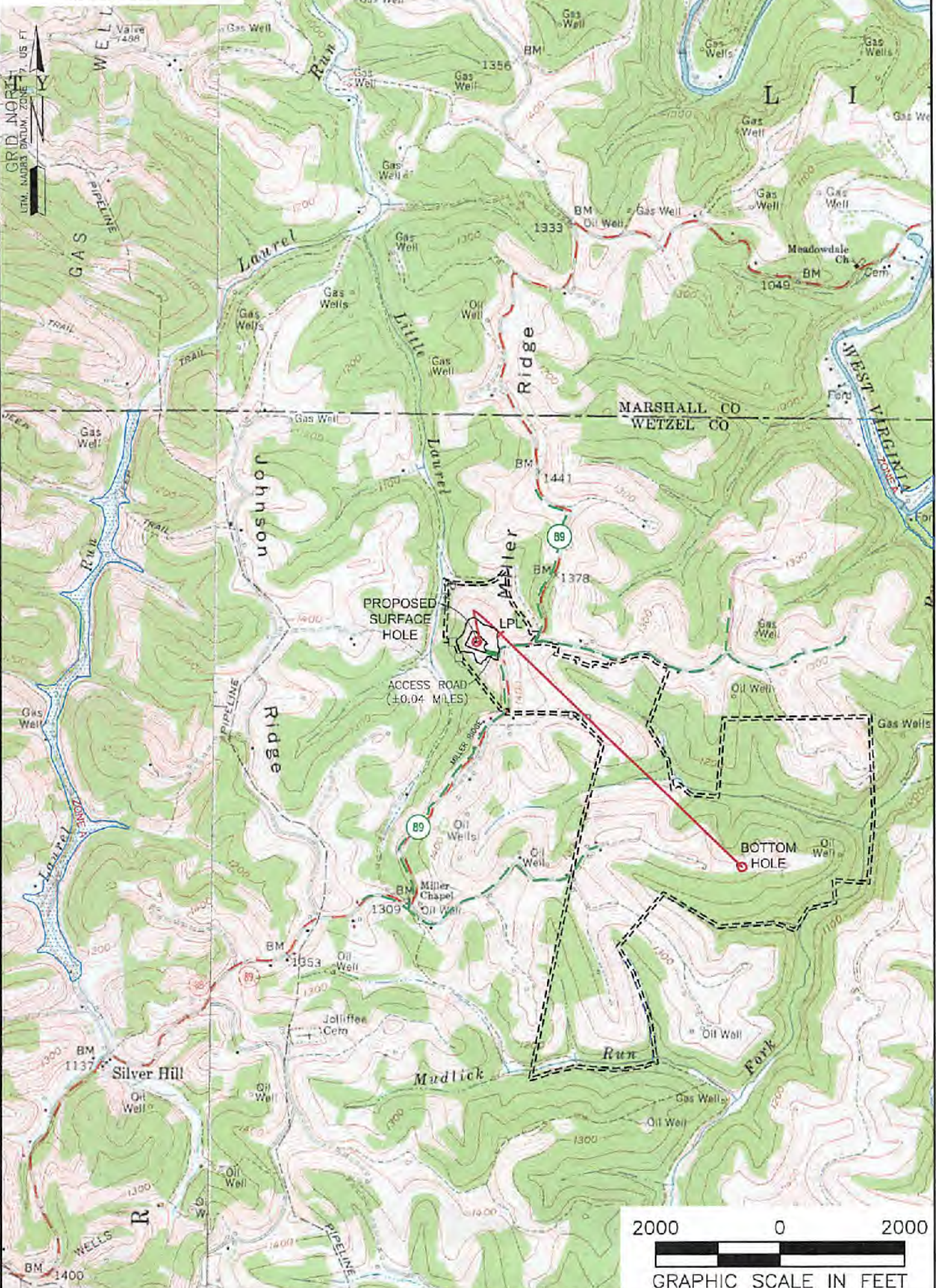
EXISTING SPRING REVISIONS: DATE: 03-06-2018

DRAWN BY: N. MANO SCALE: 1" = 2000'

DRAWING NO: WELL LOCATION PLAT

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4710303229



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 2. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
 4. 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

06/15/2018

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	RECEIVED Office of Oil and Gas	WELL (FARM) NAME: RINE WTZ	WELL # 8H	SERIAL #
ADDRESS: P.O. BOX 1300 JANE LEW, WV 26378	MAR 21 2018	COUNTY - CODE WETZEL - 103	DISTRICT; CENTER	
SURFACE OWNER: LARRY G. RINE & JANA L. RINE	WV Department of Natural Resources	USGS 7 1/2 QUADRANGLE MAP NAME LITTLETON, WV		