

Latitude: 40°15'00" N

SURFACE HOLE 1,035'

JACKSON SURVEYING INC.

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

Latitude: 40°12'30" W

BOTTOM HOLE 11,244'

WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS
SURFACE OWNER (S) / ROYALTY OWNER (R)
MARK W. OWEN AND VIRGINIA BEALL KREUTZ (S)
MARK W. OWEN, VIRGINIA BEALL KREUTZ, VIRGINIA W. RUSSELL & JOHN LATROBE (R)

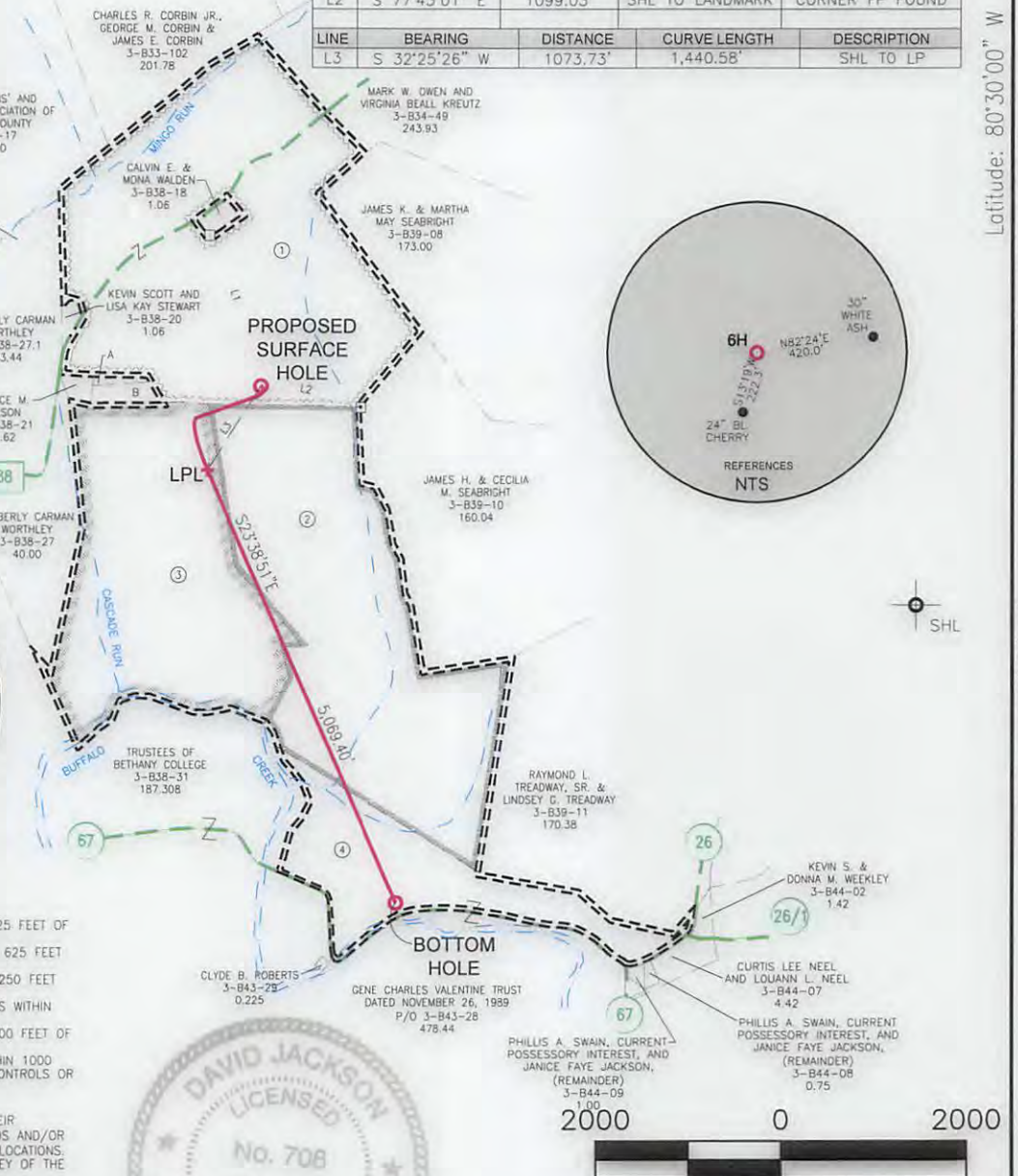
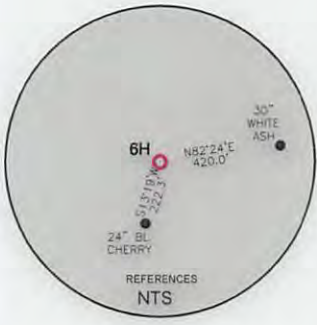
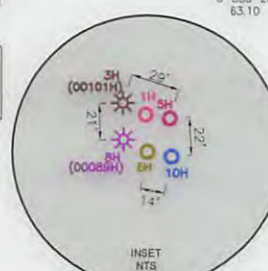
ADJOINING OWNERS TABLE
SURFACE OWNER
NOLTE & GLADYS VAN CAMP AS TRUSTEES OF THE 2002 VAN CAMP FAMILY TRUST

LINE BEARING DISTANCE DESCRIPTION MONUMENT
L1 N 19°05'56" W 1711.32' SHL TO LANDMARK 1/2" REBAR FOUND
L2 S 77°43'01" E 1099.03' SHL TO LANDMARK CORNER FP FOUND

SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,452,325.579
EASTING: 538,681.640

BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,450,633.914
EASTING: 539,125.939

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



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 100 FEET OF WELL PAD, LIMITS OF DISTURBANCE, E & S CONTROLS OR PUBLIC WATER SUPPLY.

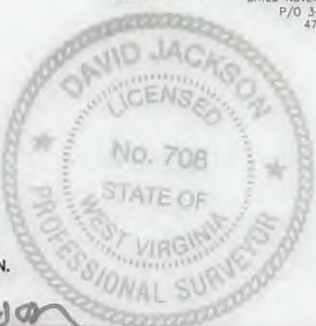
NOTES ON SURVEY

- 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.
3. 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

Table with well location information including (+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS, WVDEP OFFICE OF OIL & GAS, and API WELL #.

WELL TYPE: OIL WASTE DISPOSAL PRODUCTION DEEP GAS LIQUID INJECTION STORAGE SHALLOW
WATERSHED: BUFFALO CREEK DISTRICT: BUFFALO COUNTY: BROOKE SURFACE OWNER: MARK W. OWEN & VIRGINIA BEALL KREUTZ

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC ADDRESS: P.O. BOX 1300 CITY: JANE LEW STATE: WV ZIP CODE: 26378

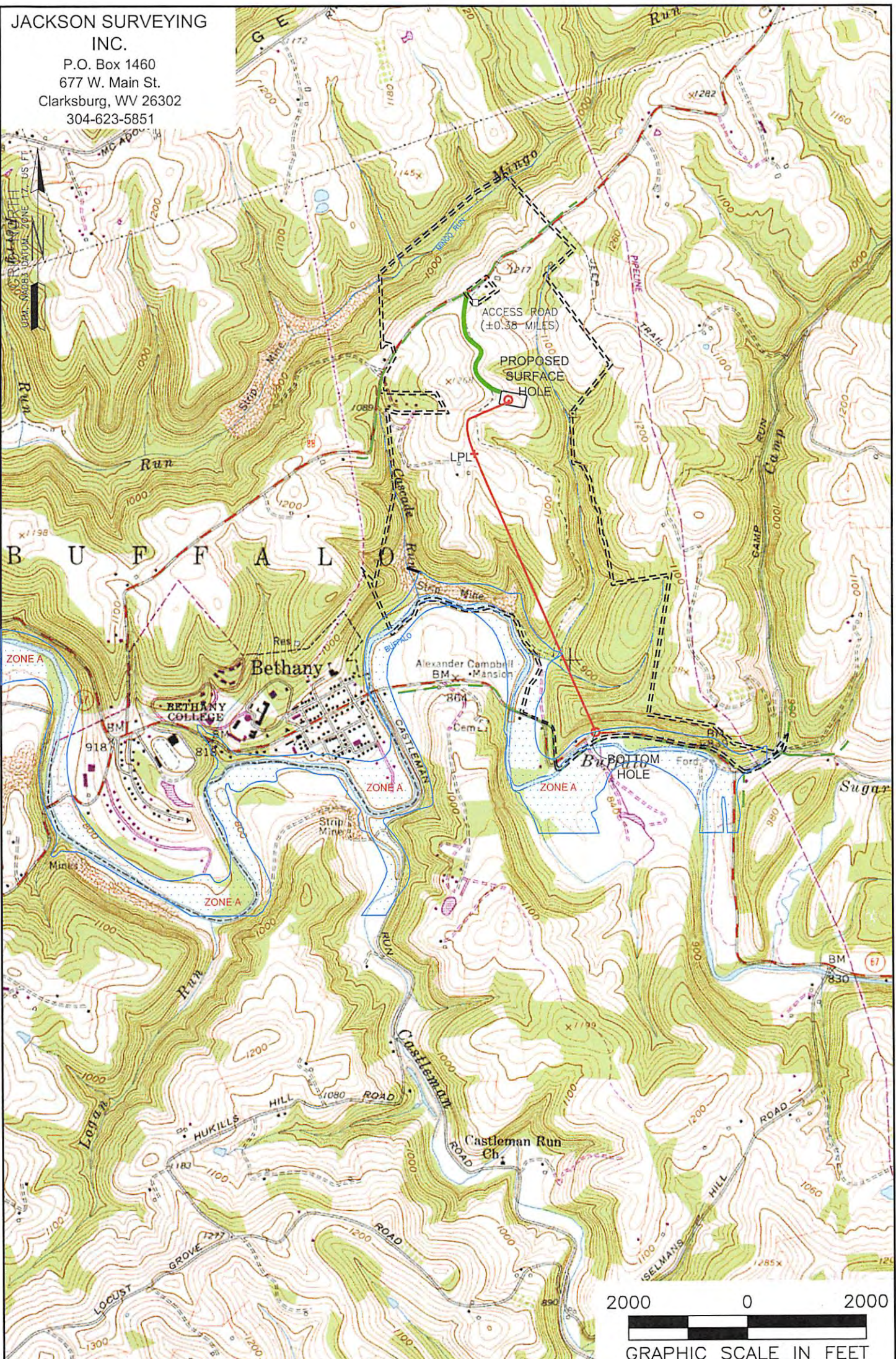
LEGEND: PROPOSED SURFACE HOLE / BOTTOM HOLE, EXISTING / PRODUCING WELLHEAD, LPL: LANDING POINT LOCATION, EXISTING WATER WELL, EXISTING SPRING

09/01/2017

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INC.

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OFFICE OF OIL AND GAS MAY 18 2017

LEGEND:

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

09/01/2017

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	WELL (FARM) NAME: MARK OWEN BRK	WELL # 6H	SERIAL #
ADDRESS: P.O. BOX 1300 JANE LEW, WV 26378	COUNTY - CODE BROOKE - 009	DISTRICT; BUFFALO	
SURFACE OWNER: MARK W. OWEN & VIRGINIA BEALL KREUTZ	USGS 7 1/2 QUADRANGLE MAP NAME BETHANY, WV		