

Latitude: 40°15'00" SURFACE HOLE 6245'

BOTTOM HOLE 9461'

JACKSON SURVEYING

INC.

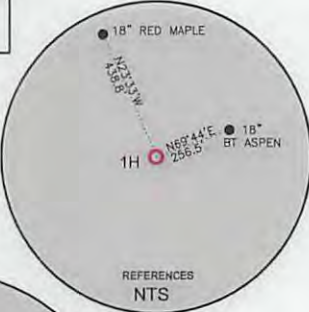
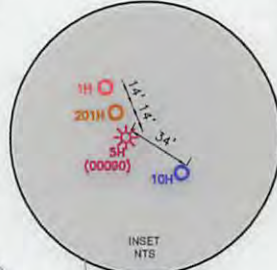
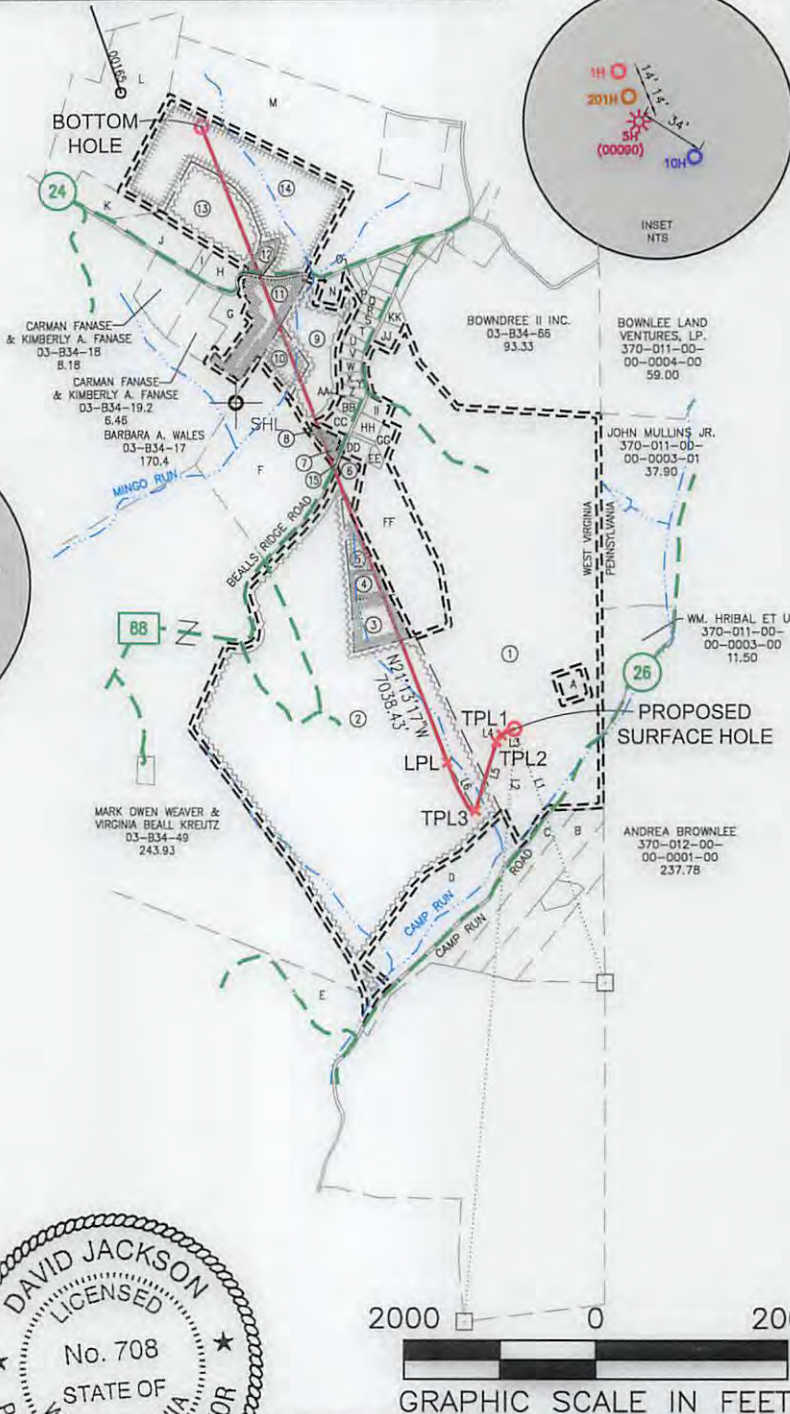
P.O. Box 1460
677 W. Main St.
Clarksburg, WV 26302
304-623-5851

SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,453,527.353 EASTING: 540,632.306
TURNING POINT LOCATION-1 (TPL1):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,453,508.205 EASTING: 540,591.240
TURNING POINT LOCATION-2 (TPL2):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,453,487.061 EASTING: 540,574.848
TURNING POINT LOCATION-3 (TPL3):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,453,271.284 EASTING: 540,509.026
LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,453,422.907 EASTING: 540,418.887
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,455,422.749 EASTING: 539,642.344

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

LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	S 19°49'55" E	2784.94'	SHL TO LANDMARK	SIGN POST FOUND
L2	S 04°50'21" W	6143.61'	SHL TO LANDMARK	FENCE POST FOUND
L3	S 65°00'07" W	148.66'	SHL TO TPL1	TPL1
L5	S 16°57'50" W	740.13'	TPL2 TO TPL3	TPL3

LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L4	S 37°47'06" W	87.78'	90.42'	TPL1 TO TPL2
L6	N 30°43'52" W	578.72'	612.00'	TPL3 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.

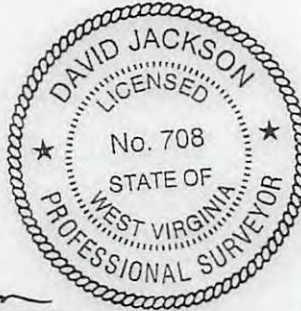
NOTES ON SURVEY

- 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 **SWN** Production Company™

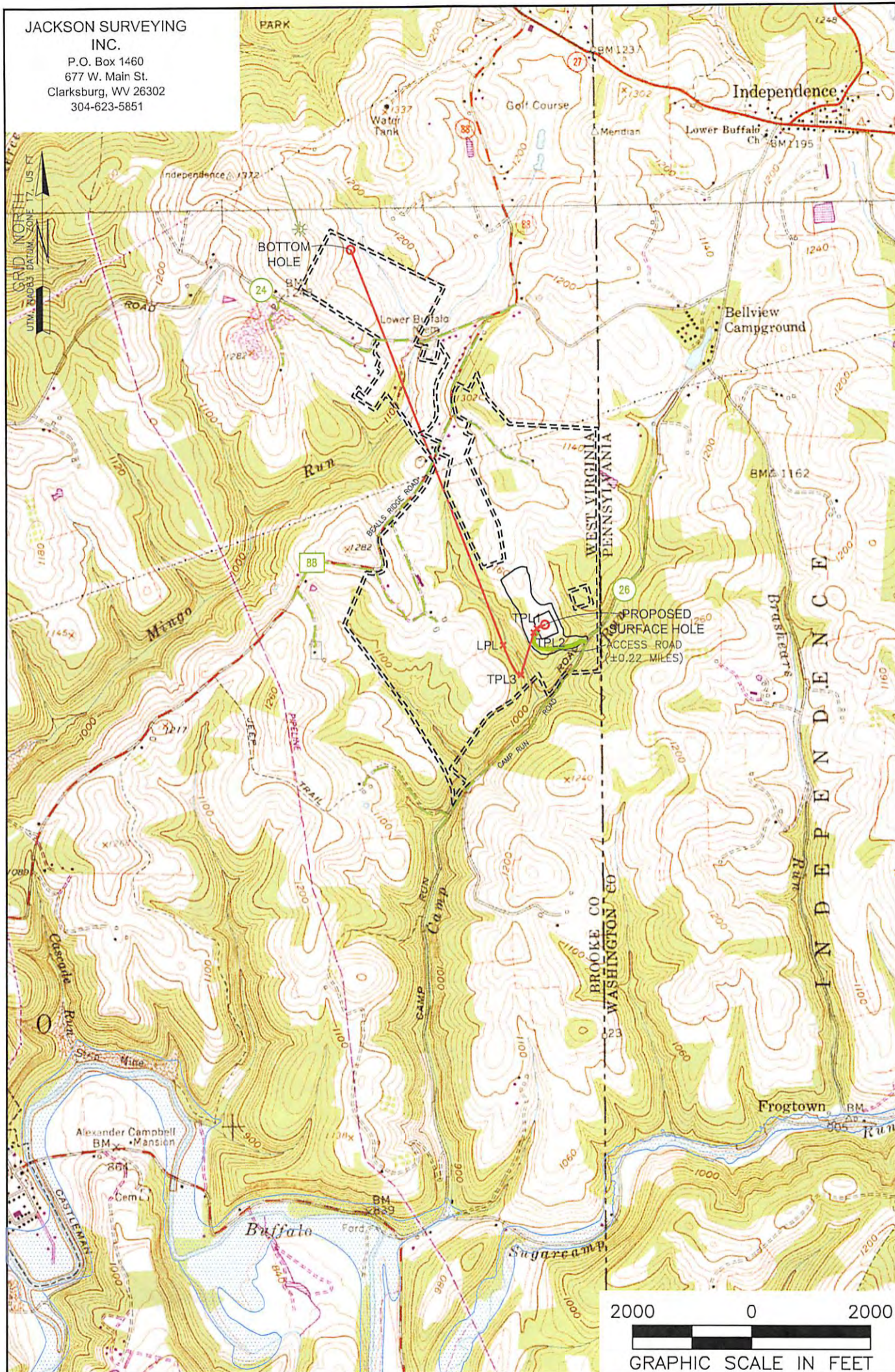
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034	MINIMUM DEGREE OF ACCURACY: 1/200	MARGARET CORBIN BRK
	PROVEN SURVEY SOURCE OF ELEVATION: GRADE GPS (NAVD 88, US FT)	OPERATOR'S WELL #: 1H
	API WELL #: 47 STATE 009 COUNTY 00219 PERMIT	

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"/>	ELEVATION: 1150.1'
WATERSHED: CAMP RUN OF BUFFALO CREEK (HUC-10)	QUADRANGLE: BETHANY, WV
DISTRICT: BUFFALO COUNTY: BROOKE	ACREAGE: ±183.13
SURFACE OWNER: LOUIS W. HENSLER, JR. & MARGARET HENSLER	ACREAGE: ±183.13
OIL & GAS ROYALTY OWNER: LOUIS W. HENSLER, JR. & MARGARET HENSLER	
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 checked="" type="checkbox"/>	
CONVERT <input type="checkbox"/> PLUG & ABANDON <input type="checkbox"/> CLEAN OUT & REPLUG <input type="checkbox"/> OTHER CHANGE <input type="checkbox"/> (SPECIFY)	
TARGET FORMATION: MARCELLUS	ESTIMATED DEPTH: 6,065' TVD 13,552' 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

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	REVISIONS: DATE: 07-28-2017 DRAWN BY: N. MANO SCALE: 1" = 2000' DRAWING NO: WELL LOCATION PLAT
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 INC.
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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.

RECEIVED
 Office of Oil and Gas
 AUG 1 2017

LEGEND:
 ○ PROPOSED SURFACE HOLE / BOTTOM HOLE
 * EXISTING / PRODUCING WELLHEAD
 LPL* LANDING POINT LOCATION
 FLOOD PLAIN
 — ACCESS ROAD
 - - - PUBLIC ROAD
 - - - ACCESS ROAD TO ROAD
 = = = LEASE BOUNDARY
 — PROPOSED PATH

01/19/2018

WELL OPERATOR:
 SWN PRODUCTION COMPANY, LLC
 ADDRESS:
 P.O. BOX 1300 JANE LEW, WV 26378
 SURFACE OWNER:
 LOUIS W. HENSLER, JR. & MARGARET HENSLER

WV Department of Environmental Protection

WELL (FARM) NAME:
 MARGARET CORBIN BRK
 COUNTY - CODE
 BROOKE - 009
 USGS 7 1/2 QUADRANGLE MAP NAME
 BETHANY, WV

WELL # SERIAL #
 1H