

Latitude: 40°15'00"

8706'

BHL Latitude: 40°12'30"

5501'

RETTEW

RETTEW Associates, Inc.
27 Travato Street, Suite 101
Bridgeport, WV 26330
Phone (800) 738-8395
Email: rette@rette.com
Website: www.rette.com

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

LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 29°14'41" E	270.40'	SHL TO REF. PNT.	1/2" REBAR SET
L2	S 47°03'29" W	283.48'	SHL TO REF. PNT.	1/2" REBAR SET
L3	S 42°17'41" E	766.90'	SHL TO GIS CORNER	
L4	S 74°39'03" W	1490.18'	SHL TO GIS CORNER	
L5	N 87°53'11" E	870.34'	SHL TO LP	
L6	S 24°47'11" E	5773.13'	LP TO BHL	

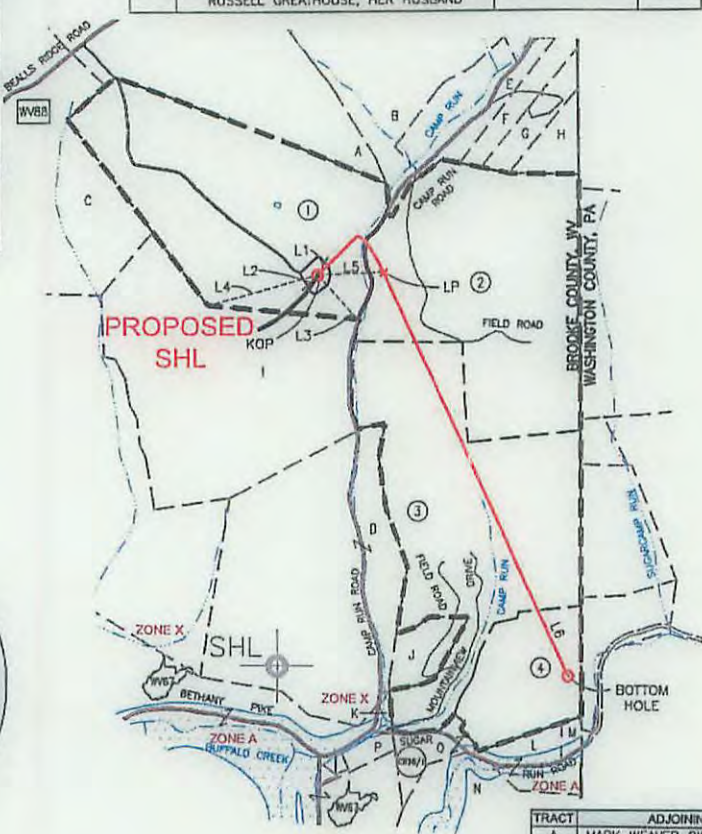
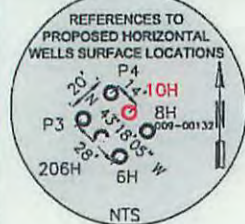
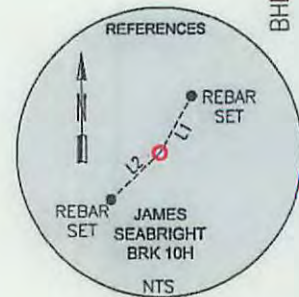
TRACT	SURFACE OWNER	TAX PARCEL	ACRES
1	JAMES K. SEABRIGHT AND MARTHA MAY SEABRIGHT, HUSBAND AND WIFE, LIFE INTEREST, JAMES H. SEABRIGHT, REMAINDER	03-839-0008-0000	±173.00
2	JAMES B. CALDWELL	03-839-0009-0000	±182.63
3	LINDA REEVES GREATHOUSE AND JAMES RUSSELL GREATHOUSE, HER HUSBAND	03-839-0012-0000	±202.41
4	LINDA REEVES GREATHOUSE AND JAMES RUSSELL GREATHOUSE, HER HUSBAND	03-844-0003-0000	±73.57

SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,452,333.879
EASTING: 539,870.262

KICKOFF POINT LOCATION (KOP):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,452,344.211
EASTING: 539,880.597

LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,452,343.663
EASTING: 540,135.362

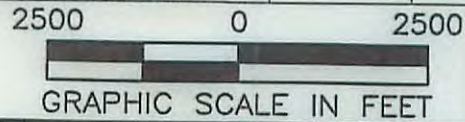
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,450,746.111
EASTING: 540,873.071



TRACT	ADJOINING SURFACE OWNER	TAX PARCEL	ACRES
A	MARK WEAVER OWEN AND VIRGINIA K. BEALL	03-834-0049-0000	±243.93
B	NORMA J. SHIDOCK	03-834-0050-0000	±185.25
C	MARK WEAVER OWEN AND VIRGINIA K. BEALL	03-838-0019-0000	±249.00
D	RAYMOND L. TREDWAY AND LINDSEY G. TREDWAY, JOINT TENANTS WITH RIGHT OF SURVIVORSHIP	03-839-0011-0000	±170.38
E	JOHN DANA GARNER	03-839-0003-0000	±12.76
F	TAMMY M. WITHERS	03-839-0004-0000	±13.00
G	TAMMY M. WITHERS	03-839-0006-0000	±11.07
H	PHILIP M. GREATHOUSE AND MARY GREATHOUSE	03-839-0007-0000	±13.01
I	JAMES K. AND MARTHA MAE SEABRIGHT, LE, JAMES H. SEABRIGHT AND CECELIA M. SEABRIGHT, REMAINDER	03-839-0010-0000	±160.04
J	VICKI G. HAMILTON AND SHAWN P. HAMILTON, HER HUSBAND	03-844-0001-0000	±13.60
K	DONNA M. WEEKLEY	03-844-0002-0000	±1.42
L	MILDRED MAIN	03-844-0004-0000	±19.58
M	LARRY THOMAS MAIN, II	03-844-0004-0001	±2.11
N	FORNEY AND SONS HOLDING CO., LLC.	03-844-0005-0000	±180.00
O	MILDRED MAIN	03-844-0006-0000	±12.53
P	CURTIS LEE NEEL AND LOUANN L. NEEL, JOINT TENANTS WITH RIGHT OF SURVIVORSHIP	03-844-0007-0000	±3.97

- NOTES ON SURVEY**
- COORDINATES SYSTEM IS UTM, NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
 - SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND FIELD LOCATIONS.
 - THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
 - NO DWELLINGS AND BUILDINGS WITHIN 625 FEET OF PROPOSED CENTER OF PAD.
 - NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.
 - NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
 - NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.

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.



COMPANY: **SWN** Production Company, LLC

P.S. 2313

(+) 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)

JAMES SEABRIGHT BRK

OPERATOR'S WELL #: 10H

API WELL #: 47 9 0175 HGA

STATE COUNTY PERMIT

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

WATERSHED: SUGARCAMP RUN, BUFFALO CREEK ELEVATION: ±1129.0' (DESIGN)

DISTRICT: BUFFALO COUNTY: BROOKE QUADRANGLE: BETHANY, WV-PA

SURFACE OWNER: JAMES K. & MARTHA MAY SEABRIGHT; LIFE ESTATE & JAMES H. SEABRIGHT ACREAGE: ±173.00

OIL & GAS ROYALTY OWNER: MARTHA MAY SEABRIGHT; LIFE ESTATE & JAMES H. SEABRIGHT ACREAGE: ±173.00

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: 6,095' TVD 12,290' TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC DESIGNATED AGENT: DEE SOUTHALL

ADDRESS: P.O. BOX 1300 ADDRESS: P.O. BOX 1300

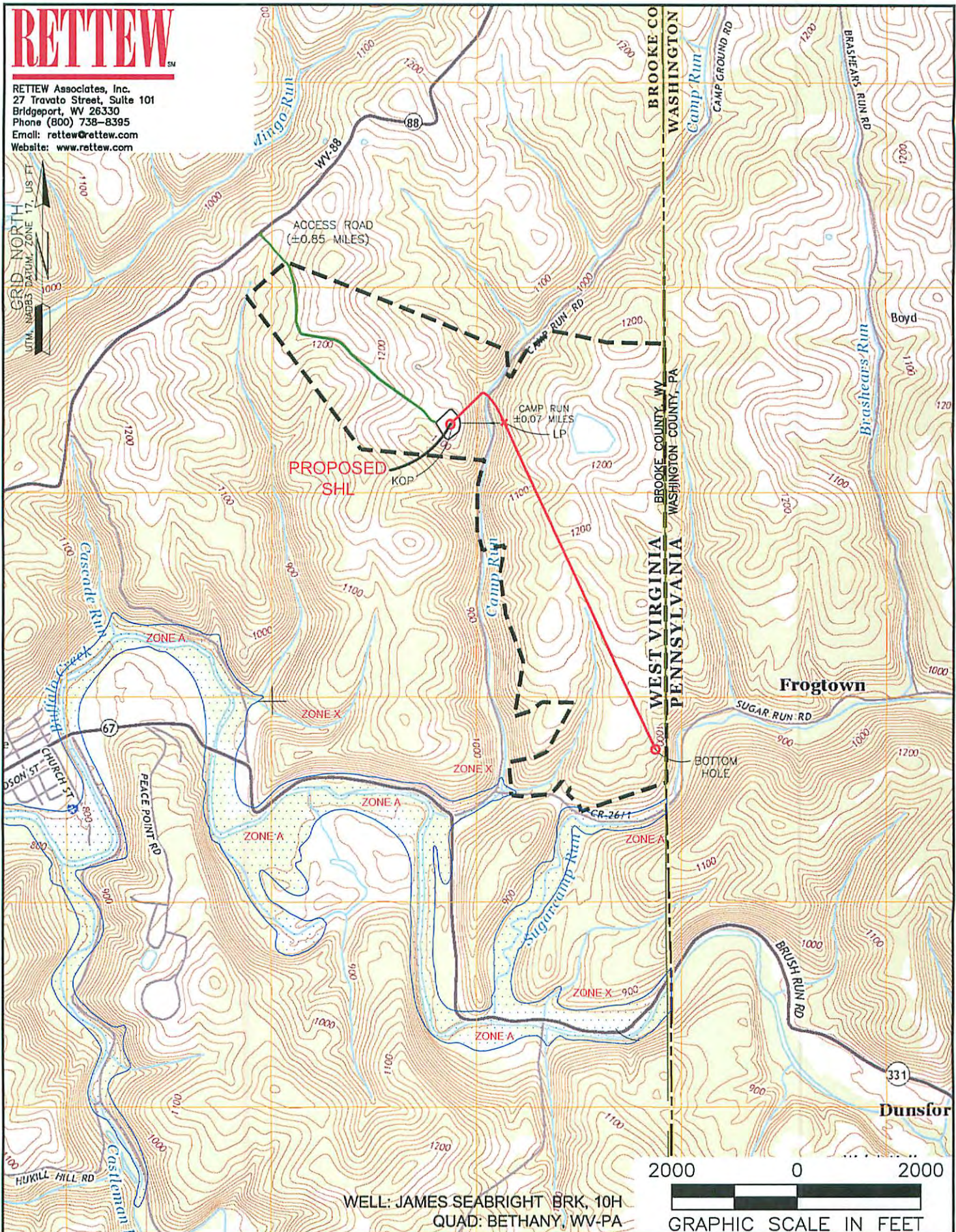
CITY: JANE LEW STATE: WV ZIP CODE: 26378 CITY: JANE LEW STATE: WV ZIP CODE: 26378

LEGEND:	REVISIONS:	DATE:
○ PROPOSED SURFACE HOLE / BOTTOM HOLE		11-17-2015
★ EXISTING / PRODUCING WELLHEAD		FILE NO: 1 OF 2
✕ ABANDONED WELL	--- TIE LINE	DRAWN BY: B. HERMAN
✕ PLUGGED & ABANDONED WELL	--- LEASE BOUNDARY	SCALE: 1" = 2500'
△ CUT CONDUCTOR	--- MARCELLUS DHP	DRAWING NO: 087569036
	--- ABANDONED PATH	WELL LOCATION PLAT

RETTEWSM

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



WELL: JAMES SEABRIGHT BRK, 10H
 QUAD: BETHANY, WV-PA



NAME AND DISTANCE TO THE NEAREST STREAM: CAMP RUN IS LOCATED ±0.07 MILES EAST OF THE CENTER OF THE DRILL PAD.		STREAM CROSSING COORDINATES (NAD 83): NO NEW CROSSINGS.		COMPANY: 	
WELL RESTRICTIONS: WELL PAD, LOD, & E & S CONTROL FEATURES TO PERENNIAL STREAM, LAKE, POND, RESERVOIR OR WETLAND: >100 FEET WELL PAD, LOD, & E & S CONTROL FEATURES TO NATURALLY PRODUCING TROUT STREAM: >300 FEET WELL PAD, LOD, & E & S CONTROL FEATURES TO GROUNDWATER INTAKE OR PUBLIC WATER SUPPLY: >1000 FEET WELL SHL TO EXISTING WATER WELL OR DEVELOPED SPRING: >250 FEET CENTER OF PAD TO OCCUPIED DWELLING STRUCTURE: >625 FEET CENTER OF PAD TO AGRICULTURAL BUILDINGS LARGER THAN 2500 SQ FT: >625 FEET				OPERATOR'S JAMES SEABRIGHT BRK WELL #: 10H	
FEMA FLOOD INFORMATION: BY GRAPHIC PLOTTING ONLY FEMA FIRM INCORPORATED AREA OF BROOKE COUNTY, WEST VIRGINIA; MAP NUMBER 54009C0135D; EFFECTIVE DATE: APRIL 19, 2010. FLOOD ZONES A & X ARE SITUATED WITHIN THE UNIT.				LOCATION: BUFFALO DISTRICT BROOKE COUNTY, WEST VIRGINIA	
LEGEND: (Red circle with dot) PROPOSED SURFACE HOLE / BOTTOM HOLE (Black circle with dot) EXISTING / PRODUCING WELLHEAD (Black circle with X) ABANDONED WELL (Black circle with triangle) PLUGGED & ABANDONED WELL (Black triangle) CUT CONDUCTOR (Blue circle with S) EXISTING SPRING (Blue circle with W) EXISTING WATER WELL (Green line) ACCESS ROAD (Black dashed line) ACCESS ROAD TO PREV. SITE (Red line) HIGHWAY/INTERSTATE (Grey line) COUNTY ROAD				SURFACE HOLE LOCATION: GEOGRAPHIC (NAD83): LATITUDE: 40.220478° LONGITUDE: -80.531405° BOTTOM HOLE LOCATION: GEOGRAPHIC (NAD83): LATITUDE: 40.206125° LONGITUDE: -80.519720°	
REVISIONS:				DATE: 11-17-2015 FILE NO: 2 OF 2 DRAWN BY: B. HERMAN SCALE: 1" = 2000' DRAWING NO: 087569036 TOPOGRAPHIC MAP	