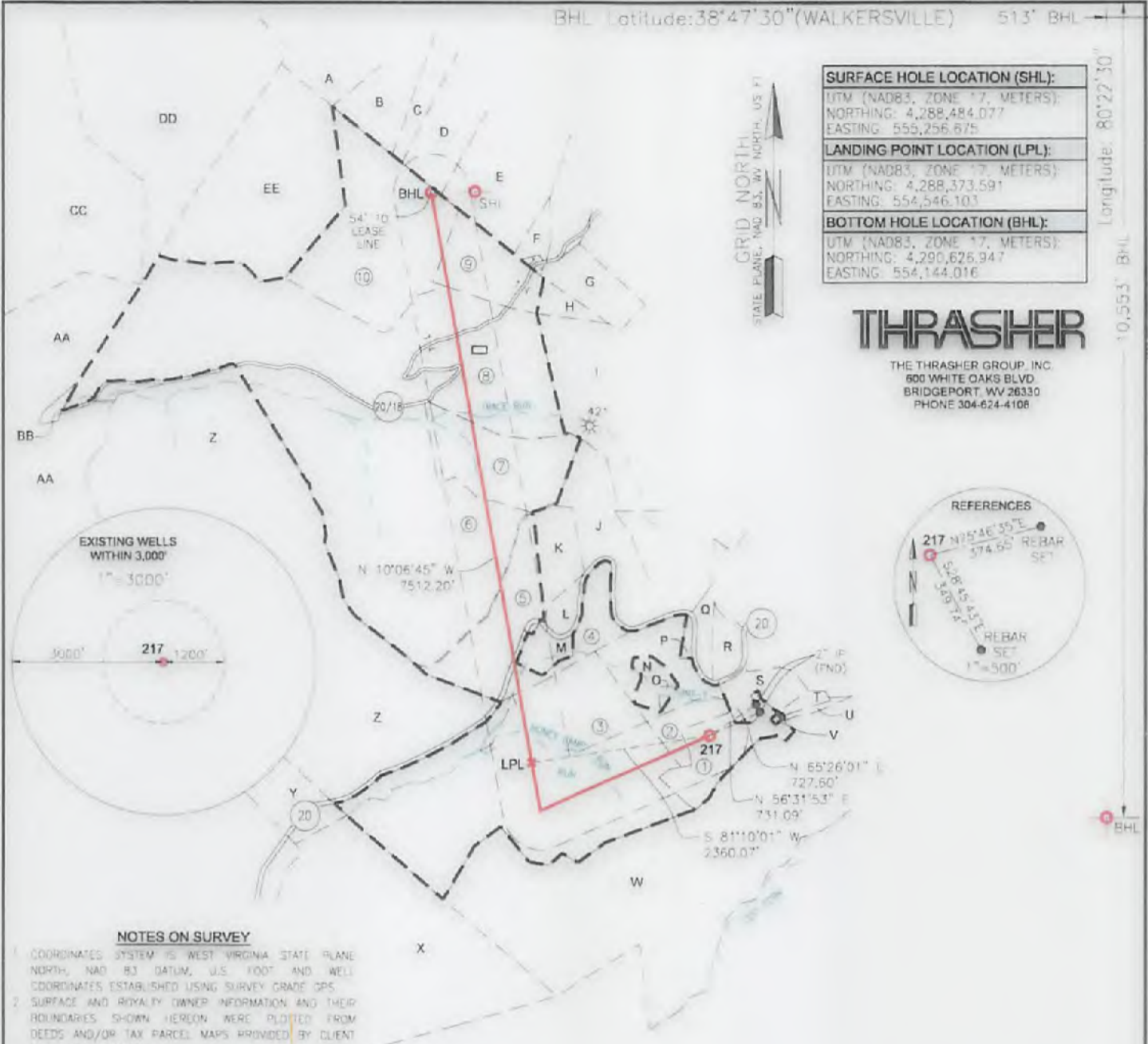


SHL Latitude: 38°45'00" (GOSHEN)

8,794' SHL

BHL Latitude: 38°47'30" (WALKERSVILLE)

513' BHL



SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,288,484.077
EASTING: 555,256.675
LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,288,373.591
EASTING: 554,546.103
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,290,625.947
EASTING: 554,144.016

GRID NORTH
STATE PLANE, NAD 83, WY NORTH, US FT

THRASHER

THE THRASHER GROUP, INC.
600 WHITE OAKS BLVD
BRIDGEPORT, WV 26330
PHONE 304-624-4108



NOTES ON SURVEY

- COORDINATES SYSTEM IS WEST VIRGINIA STATE PLANE NORTH, NAD 83 DATUM, 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.



TRACT	SURFACE OWNER	TAX PARCEL	ACRES
1	FLAMCO, INC.	1-27-32.2	21.85
2	SUN LUMBER CO.	1-27-30.1	26.62
3	SUN LUMBER CO.	1-27-20	1.37
4	SUN LUMBER CO.	1-27-23.4	47.10
5	CHIPPS COY & NELLE	1-27-23.1	26.12
6	SUN LUMBER CO.	1-27-19	172.86
7	HARRINGTON MAXINE	1-25-25	42.35
8	COASTAL FOREST RESOURCES CO.	1-25-13	187.30
9	HUMPHREY JOHN C	1-25-24	23.125
10	HARRINGTON MAXINE	1-25-14	88.25

2000 0 2000



GRAPHIC SCALE IN FEET

P.S. 2270 *Michael S. Wolf* 5/24/18

	(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS	MINIMUM DEGREE OF ACCURACY: 1/200	OPERATOR'S WELL #: 217
	WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034	PROVEN SURVEY SOURCE OF GRADE GPS ELEVATION: (NAVD 88, US FT)	API WELL #: 47 STATE 97 COUNTY 03863 PERMIT

WELL TYPE: OIL	WASTE DISPOSAL	PRODUCTION	DEEP	GAS <input checked="" type="checkbox"/>	LIQUID INJECTION	STORAGE	SHALLOW <input checked="" type="checkbox"/>
WATERSHED: RIGHT FORK OF LITTLE KANAWHA				ELEVATION: 2132.90			
DISTRICT: BANKS		COUNTY: UPSHUR		QUADRANGLE: GOSHEN/WALKERSVILLE			
SURFACE OWNER: FLAMCO INC.		ACREAGE: 21.85		ACREAGE: 21.85			
OIL & GAS ROYALTY OWNER: FLAMCO INC.		ACREAGE: 21.85					
DRILL	DRILL DEEPER	REDRILL	FRACTURE OR STIMULATE <input checked="" type="checkbox"/>	PLUG OFF OLD FORMATION	PERFORATE NEW FORMATION		
CONVERT	PLUG & ABANDON	CLEAN OUT & REPLUG	OTHER CHANGE (SPECIFY)				
TARGET FORMATION: MARCELLUS				ESTIMATED DEPTH: 7,186 TVD 15,670 TMD			

06/01/2018

WELL OPERATOR: ARSENAL RESOURCES	DESIGNATED AGENT: WILLIAM VEIGEL
ADDRESS: 6031 WALLACE ROAD EXTENSION #300	ADDRESS: 65 PROFESSIONAL PLACE, SUITE 200
CITY: WEXFORD STATE: PA ZIP CODE: 15090	CITY: BRIDGEPORT STATE: WV ZIP CODE: 26330

LEGEND: PROPOSED SURFACE HOLE / BOTTOM HOLE EXISTING / PRODUCING WELLHEAD LANDING POINT LOCATION EXISTING WATER WELL EXISTING SPRING SURVEYED BOUNDARY DRILLING UNIT LEASE BOUNDARY PROPOSED PATH	REVISIONS: <table border="1"> <tr><td> </td><td>DATE: 05-24-2018</td></tr> <tr><td> </td><td>SHEET 1 OF 2</td></tr> <tr><td> </td><td>DRAWN BY: K. POTH</td></tr> <tr><td> </td><td>SCALE: 1" = 2000'</td></tr> <tr><td> </td><td>DRAWING NO: 030-3131</td></tr> <tr><td> </td><td>WELL LOCATION PLAT</td></tr> </table>		DATE: 05-24-2018		SHEET 1 OF 2		DRAWN BY: K. POTH		SCALE: 1" = 2000'		DRAWING NO: 030-3131		WELL LOCATION PLAT
	DATE: 05-24-2018												
	SHEET 1 OF 2												
	DRAWN BY: K. POTH												
	SCALE: 1" = 2000'												
	DRAWING NO: 030-3131												
	WELL LOCATION PLAT												

TRACT	SURFACE OWNERS "ADJOINERS"	TAX PARCEL
A	JAMES L & MICHAEL D CRIM	1-2S-16
B	ANNA GRAY, GEORGE GUY & GEORGE GUY JR DAVIDSON	1-2S-19
C	ANNA GRAY & GEORGE GUY DAVIDSON	1-2S-20
D	ANNA GRAY, GEORGE GUY & GEORGE GUY JR DAVIDSON	1-2S-21
E	ANNA GRAY, GEORGE GUY & GEORGE GUY JR DAVIDSON	1-2S-23
F	GEORGE GUY DAVIDSON	1-2S-35.1
G	JACK DAVIDSON	1-2S-33
H	JOHN C HUMPHREY	1-2S-34
I	ATLANTIC SEABOARD CORP	1-2S-27
J	JILL K & RUSSELL E PHILLIPS JR	1-2T-24
K	COY & NELLIE CHIPPS	1-2T-23.3
L	COY & NELLIE CHIPPS	1-2T-23.2
M	JEFFREY A ANDERSON; MICHAEL ALLEN ANDERSON	1-2T-23
N	ARNIE L & GAYLA S HINKLE	1-2T-30
O	LOYCE KAY MASTERS; RAYMOND M MASTERS	1-2T-30.2
P	EVELYN HASTINGS	1-2T-35
Q	ATLANTIC SEABOARD CORP	1-2T-29
R	GARY LEE & MICHELLE T PUDDER	1-2T-32.1
S	JEFFREY W SCHOLLCRAFT; DEBRA D SCHOOLCRAFT	1-2T-32.4
T	GARY LEE & MICHELLE T PUDDER	1-2T-32.3
U	EVELYN HASTINGS ET AL	1-2T-31.1
V	ADRIAN PUBLIC SERVICE DISTRICT	1-2T-32.5
W	SUN LUMBER CO	1-2T-31
X	SUN LUMBER CO	1-2T-15
Y	HEARTWOOD FORESTLAND FUND IV LIMITED PARTNERSHIP	1-2T-17
Z	HEARTWOOD FORESTLAND FUND IV LIMITED PARTNERSHIP	1-2S-12
AA	WILLIAM C LOWTHER	1-1S-10
BB	SCOTTIE, HAROLD; CLYDE MCGRAW; MARSHALL HARRISON	1-2S-61
CC	HEARTWOOD FORESTLAND FUND IV LIMITED PARTNERSHIP	1-2S-09
DD	RUTHBELL LUMBER CO	1-2S-08
EE	DAVID A HARRINGTON	1-2S-15

06/01/2018

REVISIONS:	DATE:
	05-28-2018
	SHEET 2 OF 2
	DRAWN BY: K. POTH
	SCALE: 1" = 2000'
	DRAWING NO: 030-3131
	WELL LOCATION PLAT