

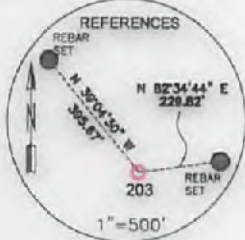
THRASHER

THE THRASHER GROUP, INC.
800 WHITE OAKS BLVD.
BRIDGEPORT, WV 26330
PHONE 304-824-4108

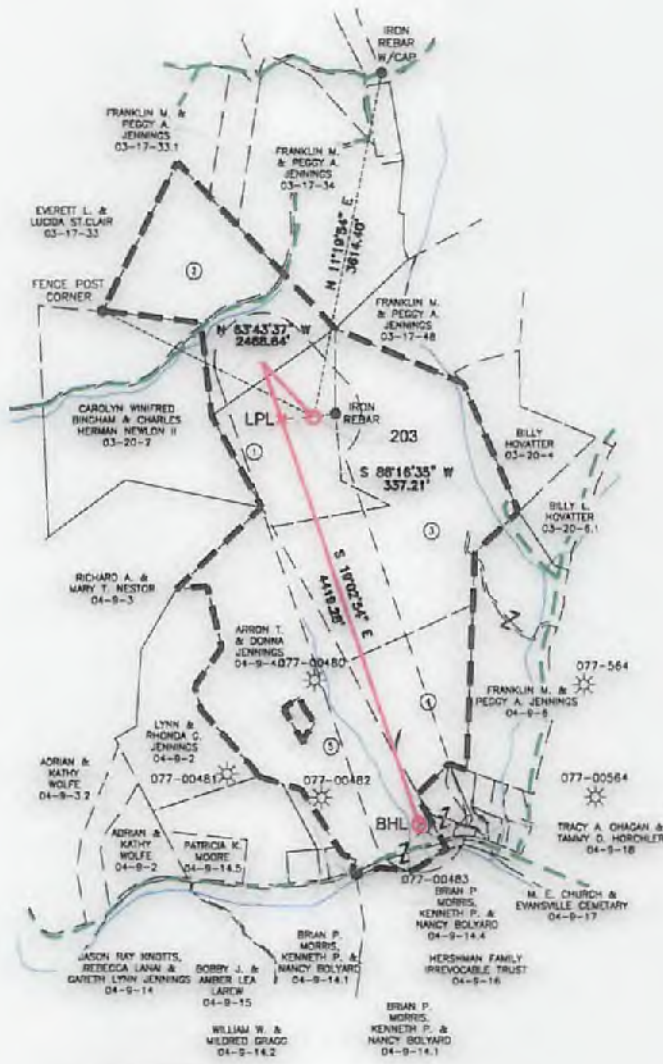
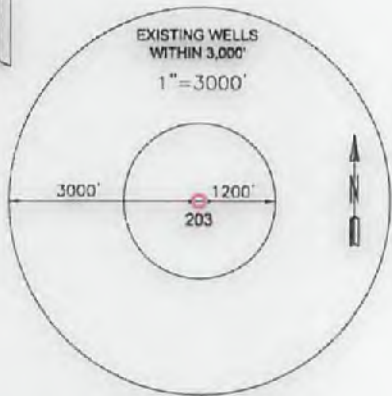
NOTES ON SURVEY

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

TRACT	SURFACE OWNER	TAX PARCEL	ACRES
1	FRANKLIN M. & PEGGY A. JENNINGS	P/D 04-9-8	41
2	FRANKLIN M. & PEGGY A. JENNINGS	03-17-48	44.88
3	FRANKLIN M. & PEGGY A. JENNINGS	03-20-3	108.75
4	FRANKLIN M. & PEGGY A. JENNINGS	04-9-5	36.48
5	G. LYNN & RHONDA L. JENNINGS	04-9-4	108



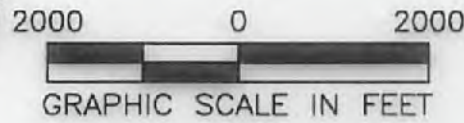
GRID NORTH
STATE PLANE, NAD83 DATUM, WV NORTH, US FT



10,225' SHL
14,418' BHL
Longitude: 79°52'30"

SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,355,880.671
EASTING: 596,489.260
LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,355,872.293
EASTING: 596,386.844
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,354,606.834
EASTING: 596,847.452

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. 2270

<p>(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034</p>	<p>MINIMUM DEGREE OF ACCURACY: 1/200</p> <p>PROVEN SURVEY SOURCE OF GRADE GPS ELEVATION: (NAVD 88, US FT)</p>	<p>FRANKLIN JENNINGS</p> <p>OPERATOR'S WELL #: 203</p> <p>API WELL #: 47 77 00644</p> <p>STATE COUNTY PERMIT</p>	
	<p>WELL TYPE: OIL WASTE DISPOSAL PRODUCTION DEEP GAS <input checked="" type="checkbox"/> LIQUID INJECTION STORAGE SHALLOW <input checked="" type="checkbox"/></p> <p>WATERSHED: SANDY CREEK</p> <p>DISTRICT: LYON COUNTY: PRESTON</p> <p>SURFACE OWNER: FRANKLIN M. & PEGGY A. JENNINGS</p> <p>OIL & GAS ROYALTY OWNER: FRANKLIN M. & PEGGY A. JENNINGS</p> <p>DRILL <input checked="" type="checkbox"/> DRILL DEEPER REDRILL FRACTURE OR STIMULATE <input checked="" type="checkbox"/> PLUG OFF OLD FORMATION PERFORATE NEW FORMATION</p> <p>CONVERT PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY)</p> <p>TARGET FORMATION: MARCELLUS (LATERAL), HUNTERSVILLE CHERT (PILOT) ESTIMATED DEPTH: 8,397 TMD (PILOT) AND 8,286 TMD (LATERAL), 13,185 TMD (LATERAL)</p>	<p>ELEVATION: 1725.8' (DESIGN)</p> <p>QUADRANGLE: THORNTON</p> <p>ACREAGE: 41.00</p> <p>ACREAGE: 41.00</p>	<p>02/23/2018</p>
<p>WELL OPERATOR: ARSENAL RESOURCES ADDRESS: 6031 WALLACE ROAD EXTENSION #300 CITY: WEXFORD STATE: PA ZIP CODE: 15090</p>	<p>DESIGNATED AGENT: WILLIAM VEIGEL ADDRESS: 65 PROFESSIONAL PLACE, SUITE 200 CITY: BRIDGEPORT STATE: WV ZIP CODE: 26330</p>	<p>LEGEND:</p> <ul style="list-style-type: none"> PROPOSED SURFACE HOLE / BOTTOM HOLE EXISTING / PRODUCING WELLHEAD LPL LANDING POINT LOCATION EXISTING WATER WELL EXISTING SPRING SURVEYED BOUNDARY DRILLING UNIT LEASE BOUNDARY PROPOSED PATH 500' BUFFER 	<p>REVISIONS:</p> <p>DATE: 10-27-2017</p> <p>DRAWN BY: R. DOERR</p> <p>SCALE: 1" = 2000'</p> <p>DRAWING NO: 030-3133</p> <p>WELL LOCATION PLAT</p>

PREPARED BY: ARSENAL RESOURCES, INC. 10/15/2017
 PROJECT NO: 101-030-3133
 SHEET NO: 1 OF 1
 DATE: 10/15/2017

047-077-00644

NO	BY	DATE	DESCRIPTION

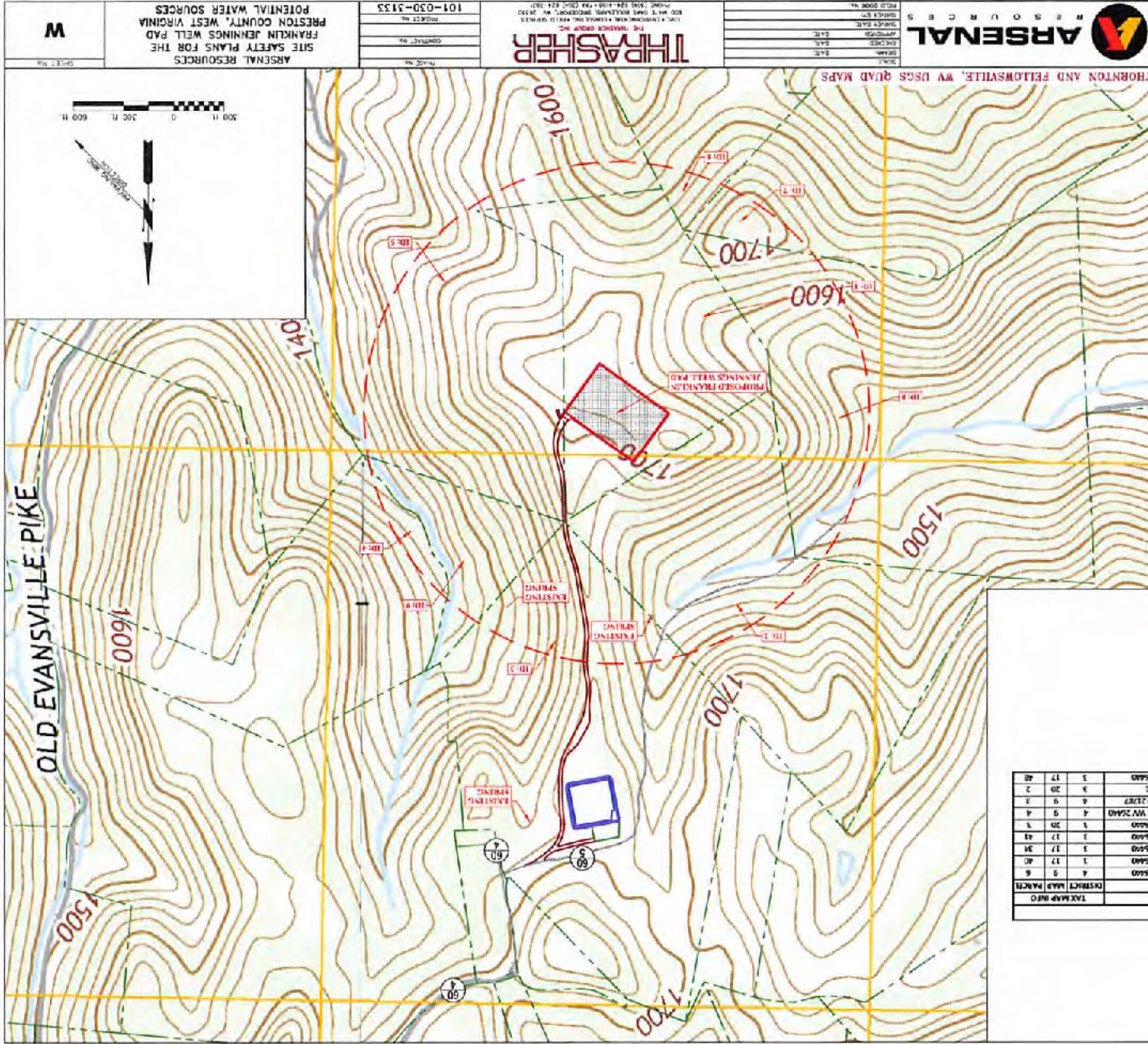


LEGEND

- PROPOSED WELL PAD
- 1500-FT RADII FROM WELL PAD (CALCULATED LIMITS WILL BE SAMPLED)
- PROPERTY LINE
- PARCEL ID # (SEE TABLE)

EXISTING PARCEL OWNER AND ADDRESS TABLE

TAX MAP NO	DISTRICT	MAP	PARCEL	ADDRESS	OWNER
17	40	9	4	463 EVANSVILLE PKE, THORNTON, WV 26660	JENNINGS FRANKLIN B & PEGGY A
17	40	9	5	463 EVANSVILLE PKE, THORNTON, WV 26660	JENNINGS FRANKLIN B & PEGGY A
17	40	9	6	463 EVANSVILLE PKE, THORNTON, WV 26660	JENNINGS FRANKLIN B & PEGGY A
17	40	9	7	463 EVANSVILLE PKE, THORNTON, WV 26660	JENNINGS FRANKLIN B & PEGGY A
17	40	9	8	463 EVANSVILLE PKE, THORNTON, WV 26660	JENNINGS FRANKLIN B & PEGGY A
17	40	9	9	463 EVANSVILLE PKE, THORNTON, WV 26660	JENNINGS FRANKLIN B & PEGGY A
17	40	9	10	463 EVANSVILLE PKE, THORNTON, WV 26660	JENNINGS FRANKLIN B & PEGGY A
17	40	9	11	463 EVANSVILLE PKE, THORNTON, WV 26660	JENNINGS FRANKLIN B & PEGGY A
17	40	9	12	463 EVANSVILLE PKE, THORNTON, WV 26660	JENNINGS FRANKLIN B & PEGGY A
17	40	9	13	463 EVANSVILLE PKE, THORNTON, WV 26660	JENNINGS FRANKLIN B & PEGGY A
17	40	9	14	463 EVANSVILLE PKE, THORNTON, WV 26660	JENNINGS FRANKLIN B & PEGGY A
17	40	9	15	463 EVANSVILLE PKE, THORNTON, WV 26660	JENNINGS FRANKLIN B & PEGGY A
17	40	9	16	463 EVANSVILLE PKE, THORNTON, WV 26660	JENNINGS FRANKLIN B & PEGGY A
17	40	9	17	463 EVANSVILLE PKE, THORNTON, WV 26660	JENNINGS FRANKLIN B & PEGGY A
17	40	9	18	463 EVANSVILLE PKE, THORNTON, WV 26660	JENNINGS FRANKLIN B & PEGGY A
17	40	9	19	463 EVANSVILLE PKE, THORNTON, WV 26660	JENNINGS FRANKLIN B & PEGGY A
17	40	9	20	463 EVANSVILLE PKE, THORNTON, WV 26660	JENNINGS FRANKLIN B & PEGGY A
17	40	9	21	463 EVANSVILLE PKE, THORNTON, WV 26660	JENNINGS FRANKLIN B & PEGGY A
17	40	9	22	463 EVANSVILLE PKE, THORNTON, WV 26660	JENNINGS FRANKLIN B & PEGGY A
17	40	9	23	463 EVANSVILLE PKE, THORNTON, WV 26660	JENNINGS FRANKLIN B & PEGGY A
17	40	9	24	463 EVANSVILLE PKE, THORNTON, WV 26660	JENNINGS FRANKLIN B & PEGGY A
17	40	9	25	463 EVANSVILLE PKE, THORNTON, WV 26660	JENNINGS FRANKLIN B & PEGGY A
17	40	9	26	463 EVANSVILLE PKE, THORNTON, WV 26660	JENNINGS FRANKLIN B & PEGGY A
17	40	9	27	463 EVANSVILLE PKE, THORNTON, WV 26660	JENNINGS FRANKLIN B & PEGGY A
17	40	9	28	463 EVANSVILLE PKE, THORNTON, WV 26660	JENNINGS FRANKLIN B & PEGGY A
17	40	9	29	463 EVANSVILLE PKE, THORNTON, WV 26660	JENNINGS FRANKLIN B & PEGGY A
17	40	9	30	463 EVANSVILLE PKE, THORNTON, WV 26660	JENNINGS FRANKLIN B & PEGGY A
17	40	9	31	463 EVANSVILLE PKE, THORNTON, WV 26660	JENNINGS FRANKLIN B & PEGGY A
17	40	9	32	463 EVANSVILLE PKE, THORNTON, WV 26660	JENNINGS FRANKLIN B & PEGGY A
17	40	9	33	463 EVANSVILLE PKE, THORNTON, WV 26660	JENNINGS FRANKLIN B & PEGGY A
17	40	9	34	463 EVANSVILLE PKE, THORNTON, WV 26660	JENNINGS FRANKLIN B & PEGGY A
17	40	9	35	463 EVANSVILLE PKE, THORNTON, WV 26660	JENNINGS FRANKLIN B & PEGGY A
17	40	9	36	463 EVANSVILLE PKE, THORNTON, WV 26660	JENNINGS FRANKLIN B & PEGGY A
17	40	9	37	463 EVANSVILLE PKE, THORNTON, WV 26660	JENNINGS FRANKLIN B & PEGGY A
17	40	9	38	463 EVANSVILLE PKE, THORNTON, WV 26660	JENNINGS FRANKLIN B & PEGGY A
17	40	9	39	463 EVANSVILLE PKE, THORNTON, WV 26660	JENNINGS FRANKLIN B & PEGGY A
17	40	9	40	463 EVANSVILLE PKE, THORNTON, WV 26660	JENNINGS FRANKLIN B & PEGGY A
17	40	9	41	463 EVANSVILLE PKE, THORNTON, WV 26660	JENNINGS FRANKLIN B & PEGGY A
17	40	9	42	463 EVANSVILLE PKE, THORNTON, WV 26660	JENNINGS FRANKLIN B & PEGGY A
17	40	9	43	463 EVANSVILLE PKE, THORNTON, WV 26660	JENNINGS FRANKLIN B & PEGGY A
17	40	9	44	463 EVANSVILLE PKE, THORNTON, WV 26660	JENNINGS FRANKLIN B & PEGGY A
17	40	9	45	463 EVANSVILLE PKE, THORNTON, WV 26660	JENNINGS FRANKLIN B & PEGGY A
17	40	9	46	463 EVANSVILLE PKE, THORNTON, WV 26660	JENNINGS FRANKLIN B & PEGGY A
17	40	9	47	463 EVANSVILLE PKE, THORNTON, WV 26660	JENNINGS FRANKLIN B & PEGGY A
17	40	9	48	463 EVANSVILLE PKE, THORNTON, WV 26660	JENNINGS FRANKLIN B & PEGGY A
17	40	9	49	463 EVANSVILLE PKE, THORNTON, WV 26660	JENNINGS FRANKLIN B & PEGGY A
17	40	9	50	463 EVANSVILLE PKE, THORNTON, WV 26660	JENNINGS FRANKLIN B & PEGGY A



THRASHER RESOURCES

101-030-3133

POTENTIAL WATER SOURCES
 PRESTON COUNTY, WEST VIRGINIA
 FRANKLIN JENNINGS WELL PAD
 SITE SAFETY PLANS FOR THE
 ARSENAL RESOURCES

