

Latitude: 39°22'30"

7,214' BHL

1,735' SHL

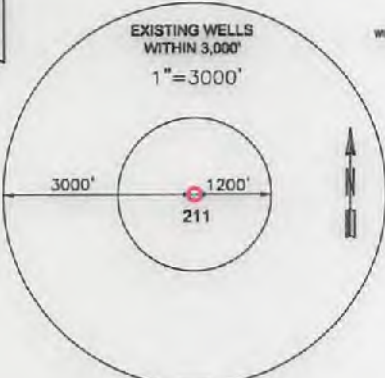
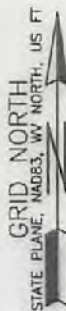
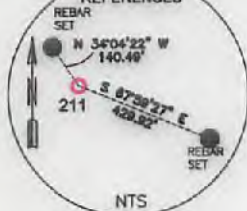
THRASHER

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.

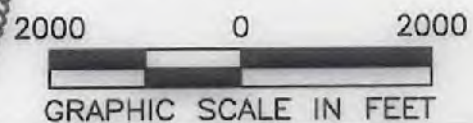
REFERENCES



SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,355,937.940
EASTING: 596,436.284
LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,356,051.000
EASTING: 595,893.071
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,358,536.590
EASTING: 594,733.658

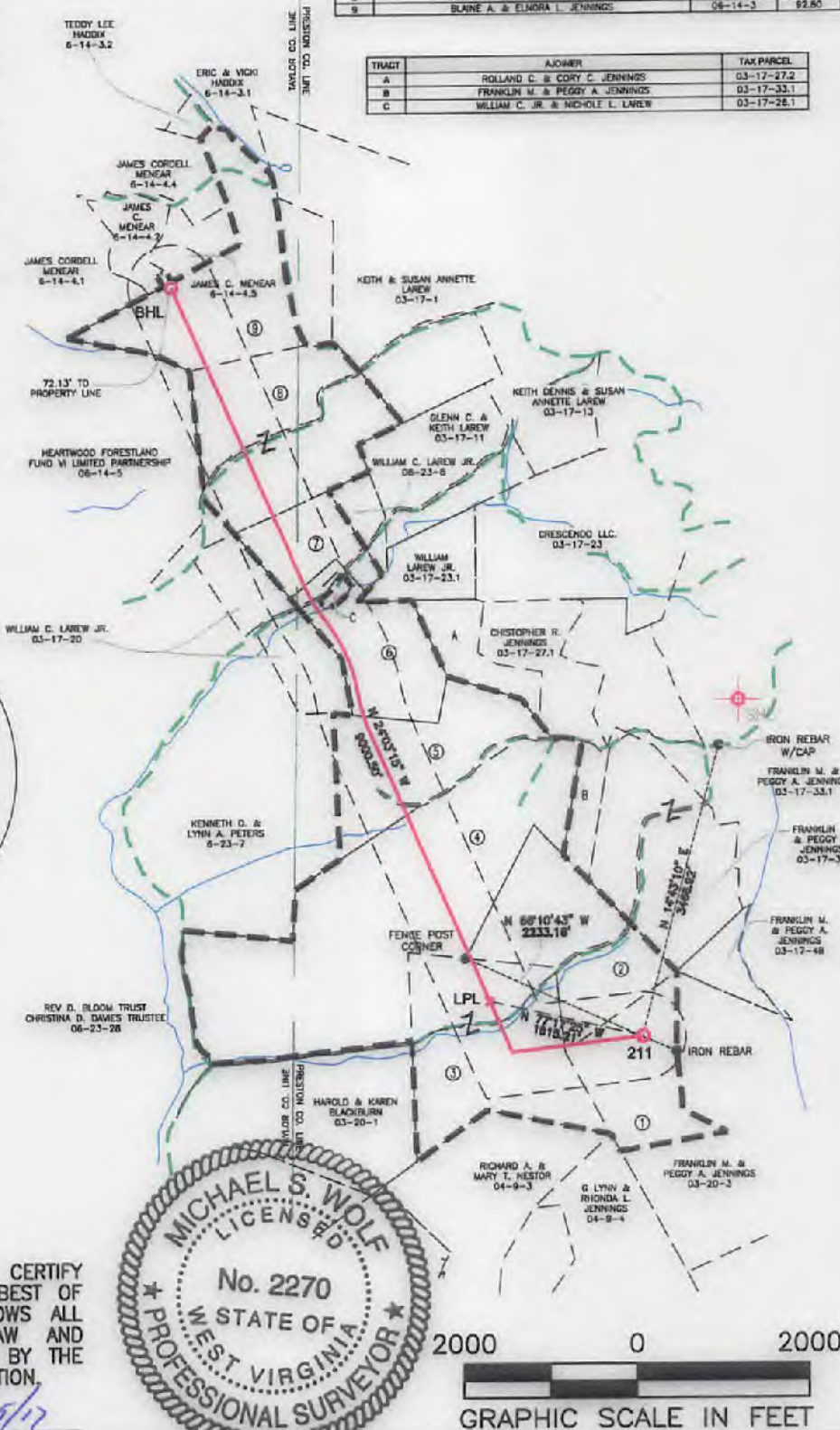
I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

P.S. 2270



TRACT	SURFACE OWNER	TAX PARCEL	ACRES
1	FRANKLIN M. & PEGGY A. JENNINGS	P/O 04-9-0	41
2	FRANKLIN M. & PEGGY A. JENNINGS	03-17-40	48.68
3	CAROLYN WINIFRED BISHAM & CHARLES HERMAN NEWLON II	03-20-2	87
4	EVERETT L. & LUCIDA ST. CLAIR	03-17-33	141.8
5	WILLIAM C. LAREW JR.	03-17-30	57
6	WILLIAM C. LAREW JR.	03-17-28	39.24
7	WILLIAM C. LAREW JR.	03-17-21	24.5
8	BLAINE ALDEN & ELNORA JENNINGS	03-17-10	80.25
9	BLAINE A. & ELNORA L. JENNINGS	06-14-3	92.80

TRACT	OWNER	TAX PARCEL
A	ROLLAND C. & CORY C. JENNINGS	03-17-27.2
B	FRANKLIN M. & PEGGY A. JENNINGS	03-17-33.1
C	WILLIAM C. JR. & MICHAEL L. LAREW	03-17-28.1



(+) 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 SOURCE OF ELEVATION:	SURVEY GRADE GPS (NAVD 88, US FT)

FRANKLIN JENNINGS		
OPERATOR'S WELL #:	211	
API WELL #:	47	77 00647
	STATE	COUNTY PERMIT

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

WATERSHED: SANDY CREEK ELEVATION: 1725.8' (DESIGN)

DISTRICT: LYON COUNTY: PRESTON QUADRANGLE: THORNTON

SURFACE OWNER: FRANKLIN M. & PEGGY A. JENNINGS ACREAGE: 41.00

OIL & GAS ROYALTY OWNER: FRANKLIN M. & PEGGY A. JENNINGS ACREAGE: 41.00

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: 8,286 TMD 17,967 TMD

WELL OPERATOR: ARSENAL RESOURCES DESIGNATED AGENT: WILLIAM VEIGEL

ADDRESS: 6031 WALLACE ROAD EXTENSION #300 ADDRESS: 65 PROFESSIONAL PLACE, SUITE 200

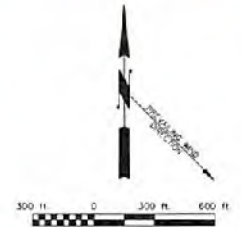
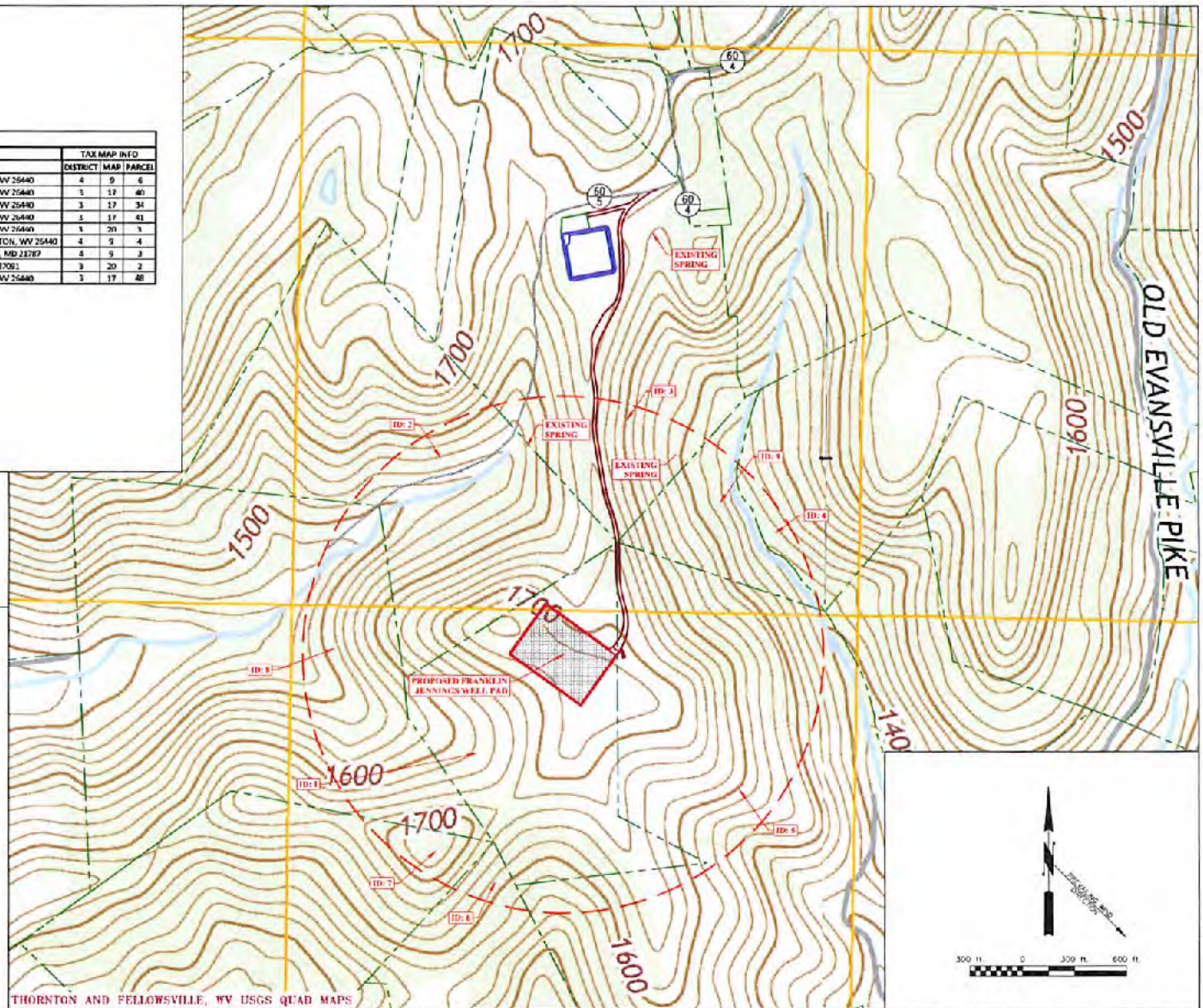
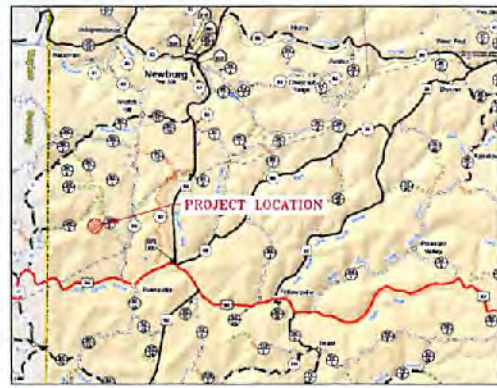
CITY: WEXFORD STATE: PA ZIP CODE: 15090 CITY: BRIDGEPORT STATE: WV ZIP CODE: 26330

LEGEND:	PROPOSED SURFACE HOLE / BOTTOM HOLE	SURVEYED BOUNDARY	REVISIONS:	DATE: 10-25-2017
	EXISTING / PRODUCING WELLHEAD	DRILLING UNIT		DRAWN BY: R. DOERR
LPL LANDING POINT LOCATION	LEASE BOUNDARY	PROPOSED PATH		SCALE: 1" = 2000'
EXISTING WATER WELL	500' BUFFER			DRAWING NO: 030-3133
EXISTING SPRING				WELL LOCATION PLAT

EXISTING PARCEL OWNER AND ADDRESS TABLE			
ID	OWNER	ADDRESS	TAX MAP INFO
			DISTRICT MAP PARCELS
1	JENNINGS FRANKLIN M & PEGGY A	463 EVANSVILLE PIKE, THORNTON, WV 26440	4 9 6
2	JENNINGS FRANKLIN M & PEGGY A; JENNINGS GARETH ELYN ET AL	463 EVANSVILLE PIKE, THORNTON, WV 26440	3 17 40
3	JENNINGS FRANKLIN M & PEGGY A	463 EVANSVILLE PIKE, THORNTON, WV 26440	3 17 34
4	JENNINGS FRANKLIN KATHRINE	463 EVANSVILLE PIKE, THORNTON, WV 26440	3 17 41
5	JENNINGS FRANKLIN M & PEGGY A	463 EVANSVILLE PIKE, THORNTON, WV 26440	3 20 1
6	JENNINGS CLYNN & RICHARD L	1215 GEORGE WASH INCTION HWY, THORNTON, WV 26440	4 3 4
7	NELSON RICHARD A & MARY T	2910 KUMPT STATION RD, TANEYTOWN, MD 21787	4 9 2
8	BINGHAM CAROLYN WINIFRED & NEWLON CHARLES HERMAN B	590 JOYCE AVE, LEWISBURG, TN 37001	3 20 2
9	JENNINGS FRANKLIN M & PEGGY A	463 EVANSVILLE PIKE, THORNTON, WV 26440	3 17 48

- LEGEND**
- 1,500-FT RADIUS FROM WELL PAD (AREAS INSIDE LIMITS WILL BE SAMPLED)
 - PROPOSED WELL PAD
 - PROPERTY LINE
 - PARCEL ID # (SEE TABLE)

PRESTON COUNTY, WV HIGHWAY MAP



LAYOUT FILE: W:\PROJECTS\101-030-5133-FRANKLIN JENNINGS WELL PAD-MONITORING SYSTEM-ARSENAL-RS-01-01-2011.dwg
 PLOT DATE: 11/14/2011 10:54:11 AM
 PLOT SCALE: 1"=100'

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NO.	BY	DATE	DESCRIPTION

ARSENAL
RESOURCES

SCALE:	DATE:
DRAWN:	DATE:
CHECKED:	DATE:
APPROVED:	DATE:
SURVEY DATE:	
DRAWN BY:	
FIELD BOOK NO.:	

THRASHER
THE THRASHER GROUP, INC.
CIVIL ENGINEERING • CONSULTING FIELD SERVICES
800 WHITE OAK BOULEVARD, BROOKPORT, WV 26103
PHONE: (304) 826-4444 FAX: (304) 826-0171

OWNER NO.	
CONTRACT NO.	
PROJECT NO.	101-030-5133

<p>ARSENAL RESOURCES SITE SAFETY PLANS FOR THE FRANKLIN JENNINGS WELL PAD PRESTON COUNTY, WEST VIRGINIA POTENTIAL WATER SOURCES</p>	<p>SHEET NO. W</p>
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