

THRASHER

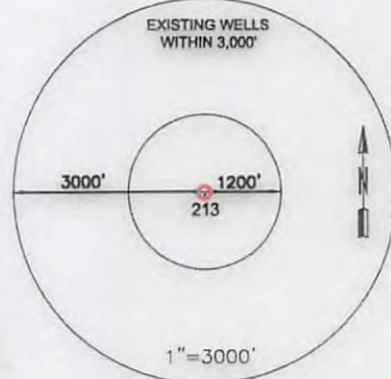
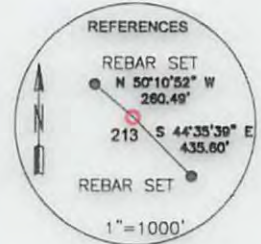
THE THRASHER GROUP, INC.
600 WHITE OAKS BLVD.
BRIDGEPORT, WV 26330
PHONE 304-624-4106

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	CHRISTOPHER R. JENNINGS	03-18-35	265.98
2	CHRISTOPHER R. JENNINGS	03-18-36	297.0
3	D. R. & D. ENTERPRISES, LLC	03-15-26	33.46
4	RENÉE DAWN TESTERMAN	03-15-25	41.89
5	ROGER LEROY LYONS & ALICE LYAN LYONS	03-15-25.2	2.885
6	CARRIE DAWN & MARTIN EDWARD JR. PLUM	03-15-19	12.46
7	ALDEN BLAINE & ELEANOR JENNINGS	03-14-38	45.95
8	ALDEN BLAINE & ELEANOR JENNINGS	03-14-27	25
9	CHARLES WILLIAM COX HRS	03-14-23	4.2
10	ALDEN BLAINE JR. & ANITA D. JENNINGS	03-14-22.1	3.76
11	ALDEN B. & ELEANOR JENNINGS	03-14-22	17.14

TRACT	ADJONER	TAX PARCEL
A	LEE L. II & TRACY FRIEND	03-15-26.1
B	LEE L. II & TRACY FRIEND	03-15-26.3
C	DEWEY F. PIERCE	03-15-26.2
D	CHRISTOPHER R. JENNINGS	03-18-2.1
E	RICHARD O. BOLYARD	03-15-27.1
F	JAMES E. LAREW JR., MELISSA O. BOWAR, CRYSTAL A. NESTOR	03-18-5.3
G	RUTH TAYLOR	03-18-9
H	KENNETH D. STONE	03-15-20.3
I	JOSEPH L. LYONS	03-15-25.1
J	ADAM B. & CHRISTINE L. FEATHERS	03-14-21
K	ALDEN BLAINE JR. & ANITA DAWN JENNINGS	03-14-12

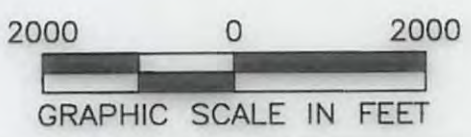


SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,357,877.621
EASTING: 598,175.635
LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,357,903.367
EASTING: 598,147.564
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,360,511.825
EASTING: 596,931.355



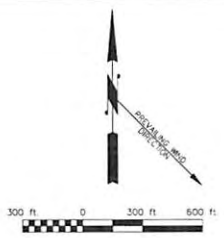
I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

P.S. 2270 *MSW* 4/4/18



<p>(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS</p> <p>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>OPERATOR'S WELL #: CHRIS JENNINGS PL2017E 213</p> <p>API WELL #: 47 STATE 77 COUNTY PERMIT 00650</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 ELEVATION: 1735.2' (DESIGN)</p> <p>DISTRICT: LYON COUNTY: PRESTON QUADRANGLE: FELLOWSVILLE/NEWBURG</p> <p>SURFACE OWNER: CHRISTOPHER R. JENNINGS ACREAGE: 265.96</p> <p>OIL & GAS ROYALTY OWNER: CHRISTOPHER R. JENNINGS ACREAGE: 265.96</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: 8,262(LATERAL), 8,374'(PILOT) TVD 18,143 TMD</p>	<p>WELL OPERATOR: ARSENAL RESOURCES DESIGNATED AGENT: WILLIAM VEIGEL</p> <p>ADDRESS: 6031 WALLACE ROAD EXTENSION #300 ADDRESS: 65 PROFESSIONAL PLACE, SUITE 200</p> <p>CITY: WEXFORD STATE: PA ZIP CODE: 15090 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: 04-04-2018</p> <p>DRAWN BY: R. DOERR</p> <p>SCALE: 1" = 2000'</p> <p>DRAWING NO: 030-3213</p> <p>WELL LOCATION PLAT</p>	

05/18/2018



PLAN ID	OWNER	ADDRESS	CITY, STATE	ZIP CODE	DISTRICT NAME	TAX MAP	PARCEL
I	JENNINGS CHRISTOPHER R	2252 N MOUNTAINEER HWY	NEWSBURG, WV	26410	LYON	18	35
II	JENNINGS CHRISTOPHER R	2252 N MOUNTAINEER HWY	NEWSBURG, WV	26410	LYON	18	36

EMERGENCY CONTACT INFORMATION

OPERATOR-
Arsenal Resources
6031 Wallace Rd Ext, Suite 300
Weverton, PA 15990
1-724-940-1100
1-304-629-6309 (24 hour contact number)

WVDEP:
Office of Oil and Gas
1-304-926-6499
1-800-642-3074 (WVDEP 24 hour pollution & emergency spills contact number)

OIL AND GAS INSPECTOR-
Gayne J. Knitowski: 1-304-546-8171 (Preston County)

LEGEND

- 1500-FT RADIUS FROM WELL PAD
- PROPOSED WELL PAD
- PROPERTY LINE
- PROPERTY ID

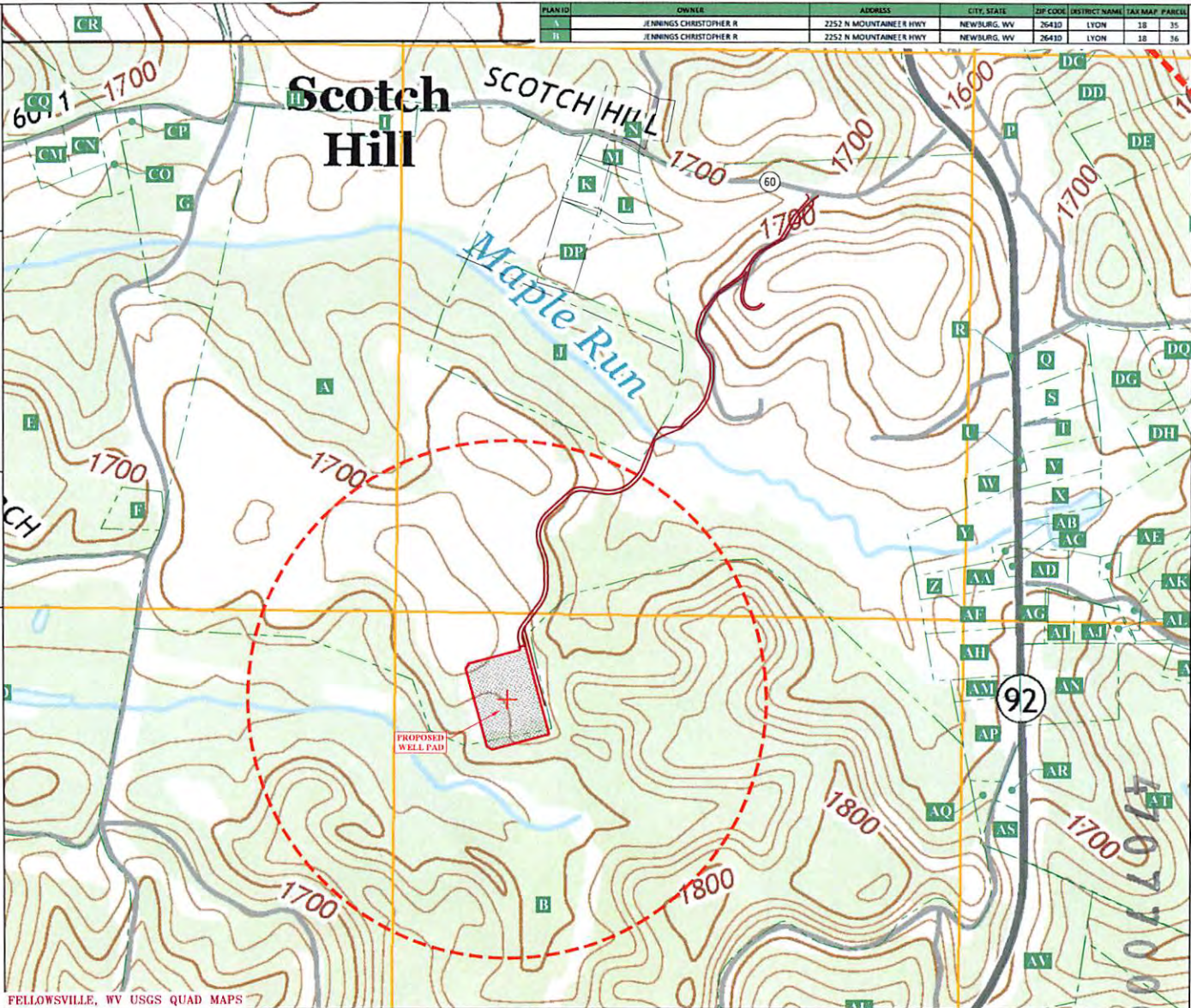
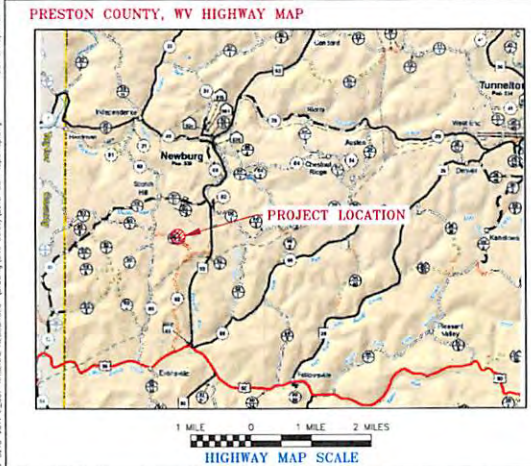
LOCAL EMERGENCY RESPONSE UNIT-
National Response Center for Reporting
Chemical or Oil Spills: 1-800-424-9002

State Emergency Spill Notification:
1-800-642-3074

Ambulance, Fire, Law Enforcement:
911

Chris Jennings PL2017E Well Pad Site Coordinates

Coordinate Label	Well Pad Center	Flowback Pit Center	Access Road Beginning
WV98-N Easting	N 39 364331	N 39 363778	N 39 372245
WV98-N Longitude	W 79 806039	W 79 805211	W 79 833050
WV98-N Northing	315096.513 ft	314813.284 ft	318002.973 ft
WV98-N Easting	286469.376 ft	180,748.082 ft	264846.970 ft
UTM 83-17 Northing	451,197,585 m	450,768,195 m	453,498,722 m
UTM 83-17 Easting	598203.39 m	598370.305 m	598725.530 m



FELLOWSVILLE, WV USGS QUAD MAPS

LAYOUT FILE: 11-10-2017-1513-2017_E_2017-ARSENAL_RESOURCES_0000003108_0000003103-0000000000.dwg PLOT DATE: 11/10/2017 4:13 PM

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NO	BY	DATE	DESCRIPTION



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



PROJECT NO.
101-030-3213

ARSENAL RESOURCES
SITE SAFETY PLANS FOR THE
CHRIS JENNINGS PL2017E WELL PAD
PRESTON COUNTY, WEST VIRGINIA
POTENTIAL WATER SOURCES

Sheet No.
50