

THRASHER

Latitude: 39°17'30"

8.613" BHL

12,614' SHL

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

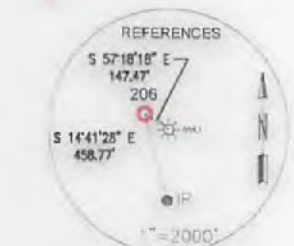
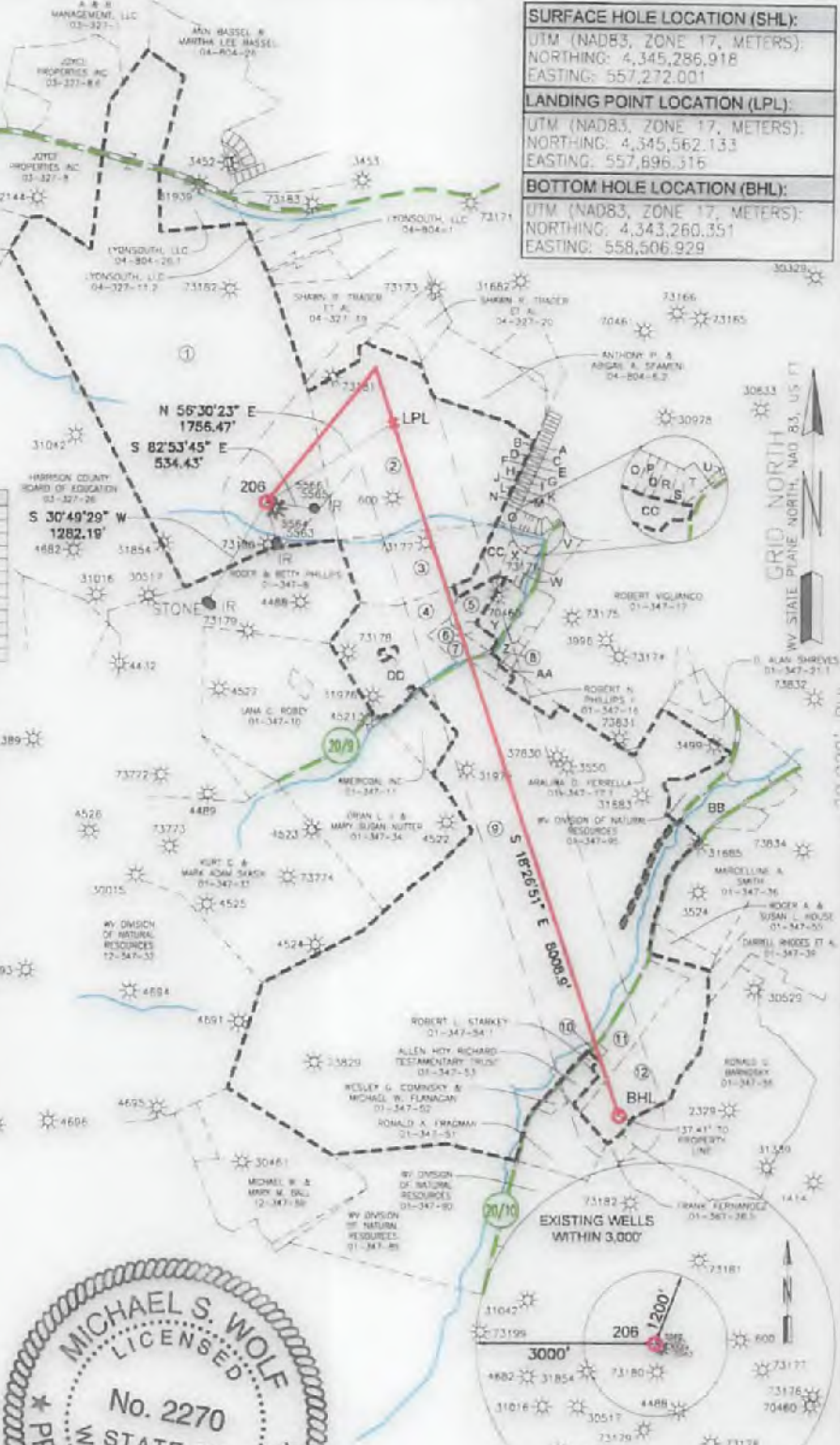
NOTES ON SURVEY

- COORDINATES SYSTEM IS WEST VIRGINIA STATE PLANE NORTH, NAD 83 DATUM, U.S. FOOT AND WILL 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.

SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,345,286.918 EASTING: 557,272.001
LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,345,562.133 EASTING: 557,696.316
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,343,260.351 EASTING: 558,506.929

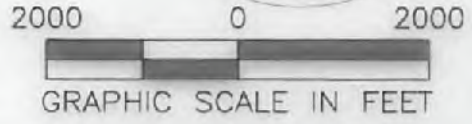
TRACT	SURFACE OWNER	TAX PARCEL	ACRES
1	A & B MANAGEMENT, LLC	03-327-17	199.03
2	DARLENE MANCOSO ET AL	04-804-7	53.89
3	DARLENE MANCOSO ET AL	01-327-27	12.573
4	MARY ADAM SKASH	01-347-12	28.25
5	CHARLES B & LILLIE HALL	01-327-28	3.44
6	CHRISTINE C PHILLIPS	01-347-14	1.67
7	MARCO ANTONIO BISTAFI	01-347-13	3.00
8	JUDY J & ALLEN P MARR	01-347-15	1.51
9	WV DIVISION OF NATURAL RESOURCES (WOLLY RESOURCES)	01-347-35	376.32
10	ROBERT L STANLEY	01-347-54	0.33
11	JOHN F & TERRI LYNN CROSS	01-347-53	12.12
12	JOHN CROSS	01-347-55	24.98

TRACT	ADJOINER	TAX PARCEL
A	JONATHAN BORN	04-802-170
B	EDWARD L & CONNIE S COX	04-802-172
C	WYMA F HERES	04-802-173
D	POMP RENTALS LLC	04-802-174
E	BANK OF AMERICA	04-802-174
F	ERIC D. MCFARLAN	04-802-175
G	LOPEZ ERIC TYLER & MARIE ERIC & SHARON	04-802-176
H	GERTRUDE HANNIGAN	04-802-177
I	GERTRUDE HANNIGAN	04-802-178
J	JEFFREY S BASS	04-802-180
K	ROBERT W SMALL	04-802-181
L	MARY E LOPEZ	04-802-182
M	BRYAN SQUIRES	04-802-183
N	LOUIS W & SIMONE L LOPEZ	04-802-184
O	JOSEPH LOUIS MICHAEL & BROOKE LYNN LOPEZ	04-802-185
P	BENJAMIN K & APRIL D GRIFFITH	04-802-184
Q	DAVID A LEROY	04-802-183
R	TRACY RAY MCGAULLEY	04-802-89
S	MARILYN SPATAFORE ET VIR & VIRGINIA CHRISTMORF	04-802-52
T	MARILYN SPATAFORE ET VIR & VIRGINIA CHRISTMORF	04-802-51
U	EMT PROPERTIES INC	04-802-187
V	LAURIN S BREDEN & CARL A SHERS	04-327-53
W	CHARLES B & LILLIE HALL	01-327-28
X	CHARLES B & LILLIE HALL	01-327-28
Y	AGUSTIN ASTAGO	01-327-28
Z	ELIZABETH ANN SEDLOCK & JASON JOSEPH BANISH	04-347-17
AA	ROBERT C PHILLIPS	01-347-16
BB	SEARASS HOBBS MICHELLE R & RANDY A HOBBS	01-347-35
CC	JOSEPH SAMUEL HAZEL	01-327-28
DD	MARY ADAM & CARRIE SKASH	01-347-12



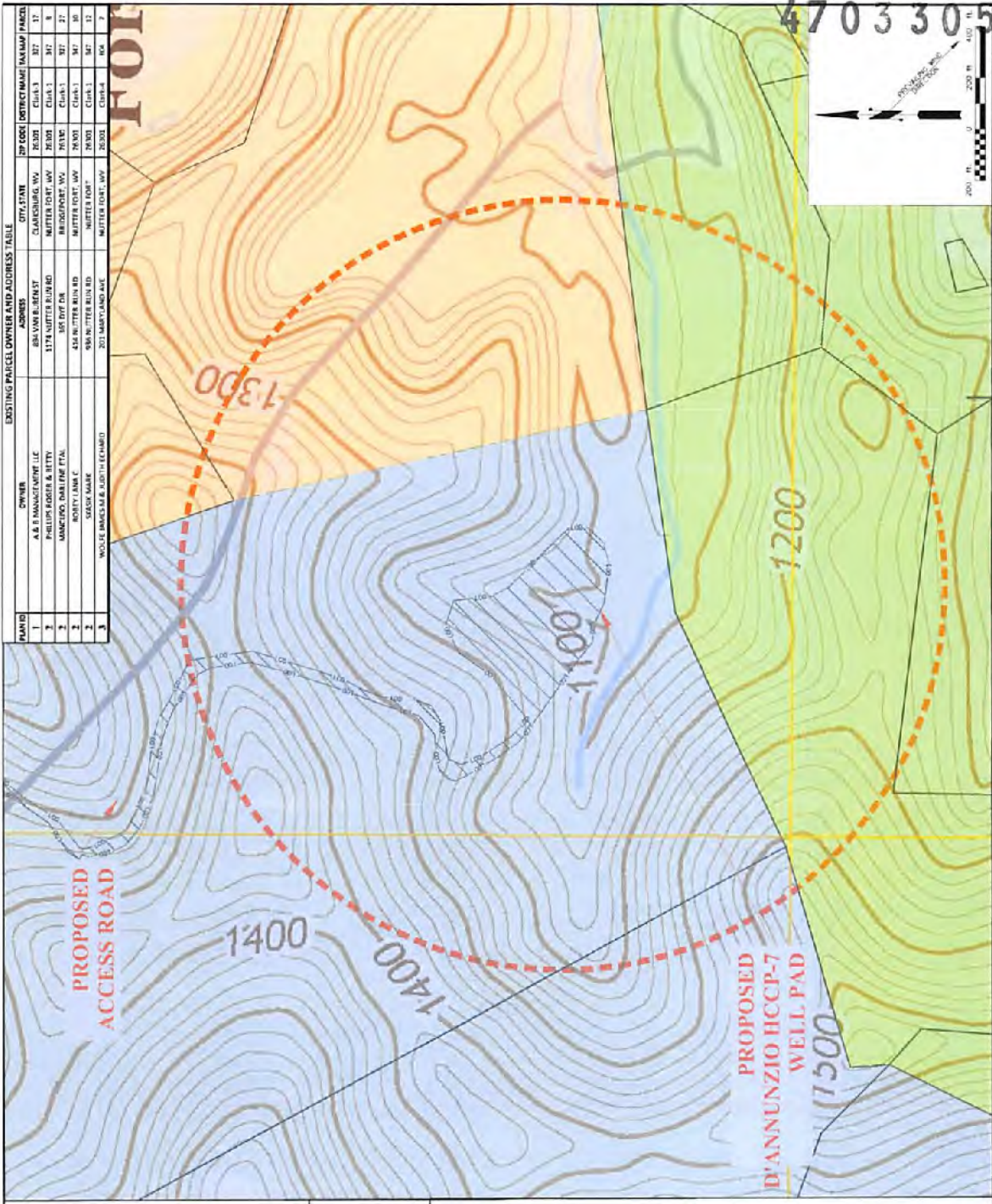
I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

P.S. 2270 *Michael S. Wolf* 2/2/18



<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 SOURCE OF GRADE GPS ELEVATION: BHL</p>	<p>D'ANNUNZIO HCCP-7</p> <p>OPERATOR'S WELL #: 206</p> <p>API WELL #: 47 STATE 33 COUNTY 05915 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: WEST FORK</p> <p>DISTRICT: CLARK-CLARKSBURG CORP COUNTY: HARRISON</p> <p>SURFACE OWNER: A. & B. MANAGEMENT, LLC.</p> <p>OIL & GAS ROYALTY OWNER: A. & B. MANAGEMENT, LLC.</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 ESTIMATED DEPTH: 7,249 TVD 16,031 MD</p>	<p>DESIGNATED AGENT: WILLIAM VEIGEL</p> <p>ADDRESS: 65 PROFESSIONAL PLACE, SUITE 200</p> <p>CITY: BRIDGEPORT STATE: WV ZIP CODE: 26330</p>
<p>WELL OPERATOR: ARSENAL RESOURCES</p> <p>ADDRESS: 6031 WALLACE ROAD EXTENSION #300</p> <p>CITY: WEXFORD STATE: PA ZIP CODE: 15090</p>	<p>LEGEND:</p> <ul style="list-style-type: none"> ○ PROPOSED SURFACE HOLE / BOTTOM HOLE ⊙ EXISTING / PRODUCING WELL HEAD LPL LANDING POINT LOCATION ⊕ EXISTING WATER WELL ⊕ EXISTING SPRING — SURVEYED BOUNDARY — DRILLING UNIT - - - LEASE BOUNDARY — PROPOSED PATH - - - 500' BUFFER 	<p>REVISIONS:</p> <p>DATE: 02-06-2018</p> <p>DRAWN BY: R.DOERR</p> <p>SCALE: 1" = 2000'</p> <p>DRAWING NO: 030-3250</p> <p>WELL LOCATION PLAT</p>

03/09/2018



EMERGENCY CONTACT INFORMATION:

OPERATOR:
 Arsenal Resources
 603 Wallace Rd, Elk, WV 25120
 1-248-686-1000
 1-304-679-6709 (24-hour contact number)
 Office of Oil and Gas
 1-304-526-6079
 1-304-526-6079 (24-hour contact number)

OIL AND GAS INSPECTOR:
 Sam Ward, 1-866-306-5583 (Harrison County)

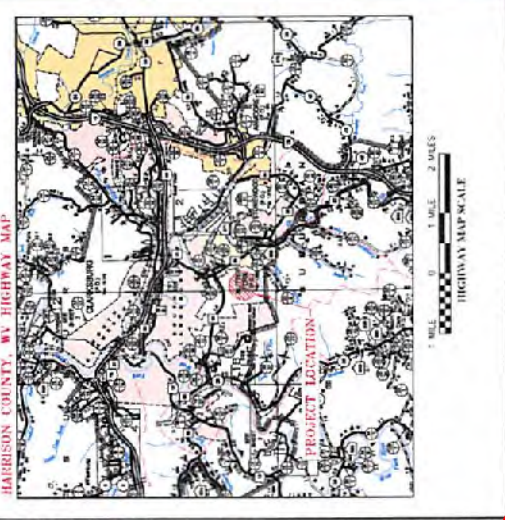
LOCAL EMERGENCY RESPONSE INTL:
 24-hour emergency response
 Chemical for Oil Spills, 1-800-424-6892
 24-hour Emergency Spill Notification
 1-800-642-2674
 Ambulance Fire, Law Enforcement: 911

LEGEND

- 1500 FT. RADII FROM WELL PAD
- PROPOSED WELL PAD AND ACCESS ROAD
- PROPERTY LINE

COORDINATES

Coordinates	D'ANNUNZIO HCCP-7 WELL PAD COORDINATES	Notes
NAD 83 UTM Zone 18N	17U 724 542 424	Well Pad Center
NAD 83 UTM Zone 18N	17U 724 542 424	Well Pad Center
NAD 83 UTM Zone 18N	17U 724 542 424	Well Pad Center
NAD 83 UTM Zone 18N	17U 724 542 424	Well Pad Center
NAD 83 UTM Zone 18N	17U 724 542 424	Well Pad Center
NAD 83 UTM Zone 18N	17U 724 542 424	Well Pad Center
NAD 83 UTM Zone 18N	17U 724 542 424	Well Pad Center
NAD 83 UTM Zone 18N	17U 724 542 424	Well Pad Center
NAD 83 UTM Zone 18N	17U 724 542 424	Well Pad Center
NAD 83 UTM Zone 18N	17U 724 542 424	Well Pad Center



EXISTING PARCEL OWNER AND ADDRESS TABLE

PARCEL	OWNER	ADDRESS	CITY, STATE	ZIP CODE	DISTRICT	MAP	PARCEL
1	A & S MANAGEMENT, LLC	884 VINE B. RD	CLARKSBURG, WV	26301	CDist. 3	317	17
2	PHILLIPS ROGER & BETTY	1174 MUTTER RUN RD	MUTTER TOWN, WV	26038	CDist. 3	317	8
3	MANCINO, DAN FINE PTAL	105 DUFF DR	BRIDGEPORT, WV	26037	CDist. 3	317	27
4	BOHLY LARA C	414 MUTTER RUN RD	MUTTER TOWN, WV	26038	CDist. 3	317	30
5	SEIGER MARK	908 MUTTER RUN RD	MUTTER TOWN, WV	26038	CDist. 3	317	12
6	WOLFE BRADLEY R JUSTIN EDWARD	201 HARTLAND AVE	MUTTER TOWN, WV	26038	CDist. 4	604	7

ARSENAL RESOURCES
 SITE SAFETY PLANS FOR THE
 D'ANNUNZIO HCCP-7 WELL PAD
 HARRISON COUNTY, WEST VIRGINIA
 WATER SAMPLING MAP

THRASHER
 604 TEMPERANCE TOWN SQUARE, STEEL DENVER
 100 WEST GARDEN BOULEVARD, BRIDGEPORT, WV, 26033
 PHONE: 304.526.6079 FAX: 304.526.6079

ARSENAL
 P E S D U R G E S

DATE: _____ DATE: _____
 DRAWN BY: _____ DATE: _____
 CHECKED BY: _____ DATE: _____
 SCALE: _____

PROJECT NO.: 101-039-3250

DATE: _____

RECEIVED
 Office of Oil and Gas
 DEC 1 2017
 WV Department of
 Environmental Protection