

THRASHER

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

NOTES ON SURVEY

- COORDINATES SYSTEM IS STATE PLANE, WEST VIRGINIA 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 425 FEET OF PROPOSED OR 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 TIGHT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.

TRACT	SURFACE OWNER	TAX PARCEL	ACRES
1	A & B MANAGEMENT, LLC	04-802-170	199.03
2	DARLENE MANVOUS ET AL	04-804-3	53.88
3	ANTHONY P. & ANGIAL S. STAMEN	04-804-6, 2	21.00
4	DARLENE MANVOUS ET AL	01-327-29	23.53
5	JOSEPH SAMUEL MAZZE	01-327-28.4	5.50
6	CHARLES B. & LILLIE HALL	01-327-28.1	2.00
7	CHARLES B. & LILLIE HALL	01-327-28	1.27
8	ADRIAN ASTRICH	01-327-28.3	4.00
9	MIDDLE WILSONED SEASAND & ROBERT M. WILSONED	04-347-17.2	2.40
10	DAVE BROWN	04-347-17.3	0.57
11	ROBERT WILSONED	04-347-17	7.72
12	ROBERT N. PHILLIPS	01-347-16	2.51
13	WY DIVISION OF NATURAL RESOURCES (WILDLIFE RESOURCES)	01-347-35	378.32
14	WY DIVISION OF NATURAL RESOURCES (WILDLIFE RESOURCES)	01-347-99	7.77
15	JOHN F. & TRANK LYNN CROSS	01-347-55.1	12.12
16	JOHN CROSS	01-347-55.1	24.98

TRACT	ADDRESS	TAX PARCEL
A	JONATHAN BOWEN	04-802-170
B	EDWARD L. & CONNIE S. COX	04-802-173
C	VELMA E. HERES	04-802-173
D	POWR RENTALS, LLC	04-802-174
E	BANK OF AMERICA	04-802-175
F	ERIC D. MCLAIN	04-802-176
G	JOSEF ERIC TYLER & MARK ERIC & SHANNON	04-802-177
H	GERTRUDE HANNGAN	04-802-178
I	GERTRUDE HANNGAN	04-802-179
J	JEFFREY E. BASS	04-802-180
K	ROBERT W. SMAL	04-802-181
L	MARY J. LOPEZ	04-802-182
M	SEFRAN SQUARES	04-802-183
N	LAUREN M. & KIMBERLY A. LOPEZ	04-802-184
O	JOSEPH LOUIS MICHAEL & BROCKE LYNN LOPEZ	04-802-145
P	BENJAMIN K. & APRIL C. SMITH	04-802-144
Q	DAVID W. LEROY	04-802-143
R	TRACY RAY McCAULEY	04-802-89
S	MARLYN SPATAPONE ET VIR & VIRGINIA CHRISTOPHORE	04-802-52
T	MARLYN SPATAPONE ET VIR & VIRGINIA CHRISTOPHORE	04-802-51
U	LAUREN E. BENDIS & CARL A. SERG	04-327-53
V	PRIME SPACE, LLC	04-327-52
W	SANDRA A. & RODERICK N. SUTTON	04-327-55
X	NEW LIFE CHRISTIAN CENTER	04-327-50
Y	NEW LIFE CHRISTIAN CENTER	04-327-51
Z	ALAN SHREVES	01-347-21
AA	COCA-COLA BOTTLING COMPANY OF WEST VIRGINIA	01-347-26
BB	ELIASHAS HERB MICHELLE B. & SANDY A. HERB	01-347-52.1
CC	ROBERT R. PHILLIPS	01-347-15.1
DD	JOYCE J. & ALDEN K. MAIN	01-347-15
EE	ELIZABETH ANN SENDOC & JASON JOSEPH BROWN	04-347-17.4
FF	ANGEL DARR OTOOLE & PHIL BRUCE DOUGLAS DAVIS	01-327-28.2
GG	CHARLES B. & LILLIE HALL	01-327-28.5
HH	H MARGUERITE WESTHAL	01-147-13
II	SHAWN R. TRACER ET AL	04-327-20
JJ	JOHN CARTER	04-802-184
KK	MARK C. & SHANNON LOPEZ	04-802-185.1
LL	HARRY WILLIAMS	04-802-186
MM	SAMMON D. COULLEN	04-802-187
NN	BRIAN G. MARRINEZ	04-802-188
OO	JOHN D. & DOROTHY D. CAMPBELL	04-802-189
PP	ANGEL DARR OTOOLE & BRUCE DOUGLAS DAVIS	04-327-28.6

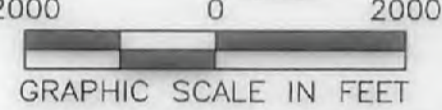
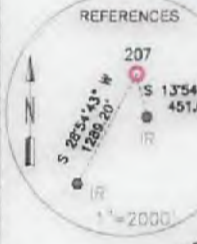
I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

P.S. 2270

WJ 12/8/17



SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,345,285.086 EASTING: 557,274.411
LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,345,606.309 EASTING: 557,922.646
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,343,413.909 EASTING: 558,693.560



<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 SURVEY ELEVATION: (NAVD 88, US FT)</p>	<p>D'ANNUNZIO HCCP-7</p> <p>OPERATOR'S WELL #: 207</p> <p>API WELL #: 47 33 05918 H/A</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: 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 TWD 15,900 TMD</p>	<p>ELEVATION: 1117.8' (DESIGN)</p> <p>QUADRANGLE: CLARKSBURG/MOUNT CLARE</p> <p>ACREAGE: 199.03</p> <p>ACREAGE: 199.03</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>DESIGNATED AGENT: WILLIAM VEIGEL</p> <p>ADDRESS: 65 PROFESSIONAL PLACE, SUITE 200</p> <p>CITY: BRIDGEPORT STATE: WV ZIP CODE: 26330</p>	<p>REVISIONS:</p> <p>DATE: 12-7-2017</p> <p>DRAWN BY: K. POTH</p> <p>SCALE: 1" = 2000'</p> <p>DRAWING NO: 030-3250</p> <p>WELL LOCATION PLAT</p>

EMERGENCY CONTACT INFORMATION

OPERATOR:
 Arsenal Resources
 601 Wallace Rd East, Suite 200
 Woodford, VA 22606
 1-724-980-1100
 1-304-629-6309 (24-hour contact number)
 Office of Oil and Gas
 1-304-926-8897
 1-800-642-3074 (WVDEP 24-hour pollution & emergency spills contact number)

OIL AND GAS INSPECTOR:
 Sam Ward, 1-304-289-7553 (Harrison County)

LOCAL EMERGENCY RESPONSE UNIT:
 National Response Center for Reporting Chemical or Oil Spills: 1-800-424-8802

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

Combustion, Fire, Law Enforcement:
 911

PLAN ID LEGEND



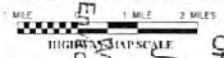
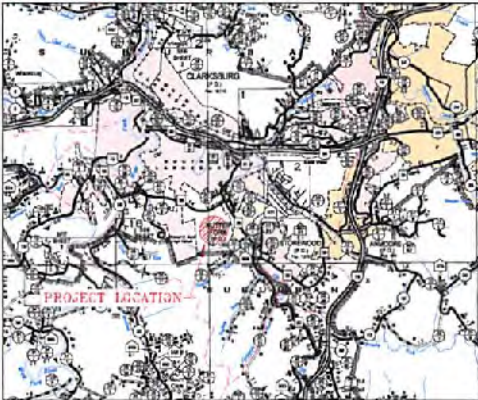
LEGEND

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

COORDINATES

Coordinate Label	West Pad Center	Access Pad Center	Truck Pad Center	Access Road Start
WV01-N Latitude (N)	N 39 14484.2	N 39 14434.2	N 39 14275.5	N 39 14427.0
WV01-N Longitude (W)	W 80 53715.7	W 80 53815.7	W 80 53687.7	W 80 53817.4
WV01-N Easting	175056.000 m	175146.180 m	174982.298 m	175139.513 m
WV01-N Northing	1711703.559 m	1711549.778 m	1711118.433 m	1712055.416 m
WV01-N UTM Zone	18QUD 175056.000 m	18QUD 175146.180 m	18QUD 174982.298 m	18QUD 175139.513 m
WV01-N UTM Zone	18QUD 175056.000 m	18QUD 175146.180 m	18QUD 174982.298 m	18QUD 175139.513 m

HARRISON COUNTY, WV HIGHWAY MAP



RECEIVED
 Office of Oil and Gas
 JAN 2 2018
 WV Department of Environmental Protection

PROPOSED ACCESS ROAD

PROPOSED D'ANNUNZIO HCCP-7 WELL PAD

EXISTING PARCEL OWNER AND ADDRESS TABLE

PLAN ID	OWNER	ADDRESS	CITY, STATE	ZIP CODE	DISTRICT NAME	TAX MAP	PARCEL
1	A & B MANAGEMENT LLC	694 VAN BUREN ST	CLARKSBURG, WV	26303	Dist-3	327	37
2	PHILLIPS ROGER & BETTY	1174 NUTTER RUN RD	NUTTER FORT, WV	26303	Dist-1	342	8
2	MANCINI, DARLENE ETAL	365 DYE DR	BRIDGEPORT, WV	26330	Dist-1	321	27
2	ROSEY LANA C	414 NUTTER RUN RD	NUTTER FORT, WV	26303	Dist-1	347	20
2	SHADE MARK	936 NUTTER RUN RD	NUTTER FORT, WV	26303	Dist-1	347	12
3	WOLFE BRANKS M & FURTH EDWARD	201 MAPPLAND AVE	NUTTER FORT, WV	26303	Dist-4	308	7

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

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

PROJECT NO.
 101-030-3250

1

33-05918