

THRASHER

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

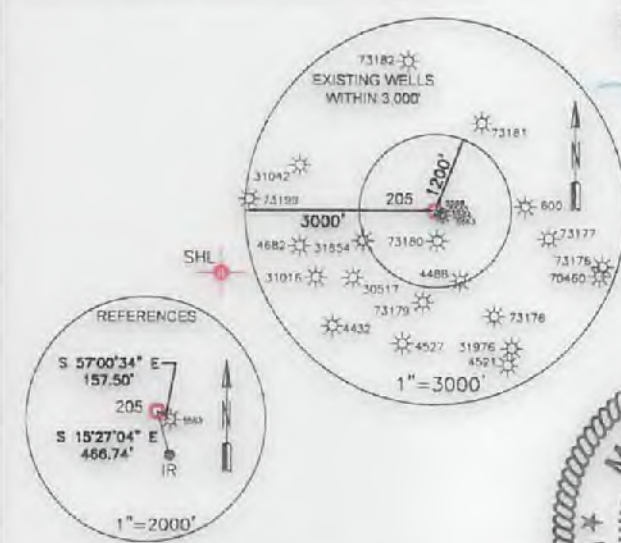
NOTES ON SURVEY

- COORDINATES SYSTEM IS WEST VIRGINIA STATE PLANE 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 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: 4,345,288.750
	EASTING: 557,269.591
LANDING POINT LOCATION (LPL):	
UTM (NAD83, ZONE 17, METERS):	NORTHING: 4,345,405.143
	EASTING: 557,508.584
BOTTOM HOLE LOCATION (BHL):	
UTM (NAD83, ZONE 17, METERS):	NORTHING: 4,343,094.736
	EASTING: 558,322.754

TRACT	SURFACE OWNER	TAX PARCEL	ACRES
1	A & B MANAGEMENT, LLC	03-327-17	199.03
2	DARLENE MANCUSO ET AL	04-804-7	53.89
3	DARLENE MANCUSO ET AL	01-327-27	72.573
4	MARK ADAM SKASKIN	01-347-12	28.25
5	MARK ADAM & CARRIN SKASKIN	01-347-12.1	0.45
6	AMERSON, INC.	01-347-11	9.05
7	WV DIVISION OF NATURAL RESOURCES (WILDFIRE RESIDUOUS)	01-347-35	378.32
8	ORIAN L J & WAZI SUSAN WUTER	01-347-34	53.15
9	WESLEY G COMINSKY & MICHAEL W FRANKAN	01-347-52	1.40
10	RONALD A FROGMAN	01-347-51	12.83

TRACT	ADJOINER	TAX PARCEL
A	JONATHAN BROWN	04-802-170
B	EDWARD L & CONNIE S COX	04-802-122
C	VELMA E HERES	04-802-123
D	POUR RENTALS LLC	04-802-124
E	BANK OF AMERICA	04-802-125
F	ERIC D McCLAIN	04-802-176
G	LOPEZ ERIC TYLER & MARK ERIC & SHANNON	04-802-177
H	CERTRUCHE LANNIGAN	04-082-178
I	CERTRUCHE LANNIGAN	04-802-179
J	JEFFREY S BASS	04-802-180
K	ROBERT W SMALL	04-802-181
L	MARK E LOPEZ	04-802-182
M	BRYAN SOURCES	04-802-183
N	LOUIS M & YVONNE A LOPEZ	04-802-184
O	JOSEPH LOUIS MICHAEL & BROOKE LYNN LOPEZ	04-802-185
P	SEAFARCE HERBS MICHELLE R & RANDY A HERBS	01-347-35.1



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 2/21/18

(+) 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 SURVEY SOURCE OF GRADE GPS ELEVATION: (NAVD 88, US FT)	OPERATOR'S WELL #: 205 API WELL #: 47 STATE 33 COUNTY 05914 PERMIT
	D'ANNUNZIO HCCP-7	

WELL TYPE: OIL	WASTE DISPOSAL	PRODUCTION	DEEP	GAS <input checked="" type="checkbox"/>	LIQUID INJECTION	STORAGE	SHALLOW <input checked="" type="checkbox"/>
WATERSHED: WEST FORK				ELEVATION: 1117.8' (DESIGN)			
DISTRICT: CLARK-CLARKSBURG CORP		COUNTY: HARRISON		QUADRANGLE: CLARKSBURG/MOUNT CLARE			
SURFACE OWNER: A. & B. MANAGEMENT, LLC.				ACREAGE: 199.03			
OIL & GAS ROYALTY OWNER: A. & B. MANAGEMENT, LLC.				ACREAGE: 199.03			
DRILL <input checked="" type="checkbox"/>	DRILL DEEPER	REDRILL	FRACTURE OR STIMULATE <input checked="" type="checkbox"/>	PLUG OFF OLD FORMATION	PERFORATE NEW FORMATION		
CONVERT	PLUG & ABANDON	CLEAN OUT & REPLUG	OTHER CHANGE (SPECIFY)				
TARGET FORMATION: MARCELLUS				ESTIMATED DEPTH: 7,249 TVD 15,864 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 * EXISTING / PRODUCING WELLHEAD LPL LANDING POINT LOCATION * EXISTING WATER WELL * EXISTING SPRING	--- SURVEYED BOUNDARY --- DRILLING UNIT --- LEASE BOUNDARY --- PROPOSED PATH --- 500' BUFFER	REVISIONS: DATE: 02-21-2018 DRAWN BY: R.DOERR SCALE: 1" = 2000' DRAWING NO: 030-3250 WELL LOCATION PLAT
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03/09/2018

EMERGENCY CONTACT INFORMATION

OPERATOR:
 Arsenal Resources
 6031 Wallace Rd Ext, Suite 300
 Warden, PA 15090
 1-724-608-1100
 1-801-629-8399 (24 hour contact number)

Office of Oil and Gas
 1-844-526-8499
 1-800-642-3074 (WVDEP 24 hour pollution & emergency spills contact number)

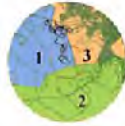
OIL AND GAS INSPECTOR:
 Sam Ward, 1-801-389-7583 (Harrison County)

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

An Inland, Fire, Law Enforcement:
 911

PLAN ID LEGEND



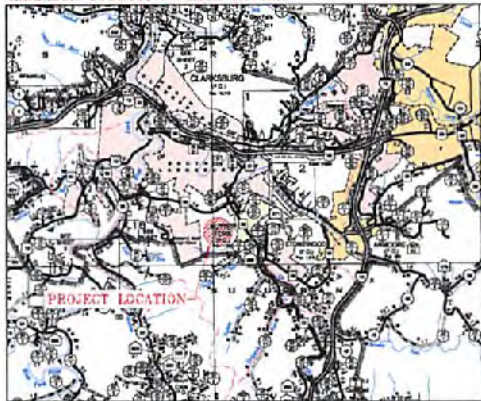
LEGEND

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

COORDINATES

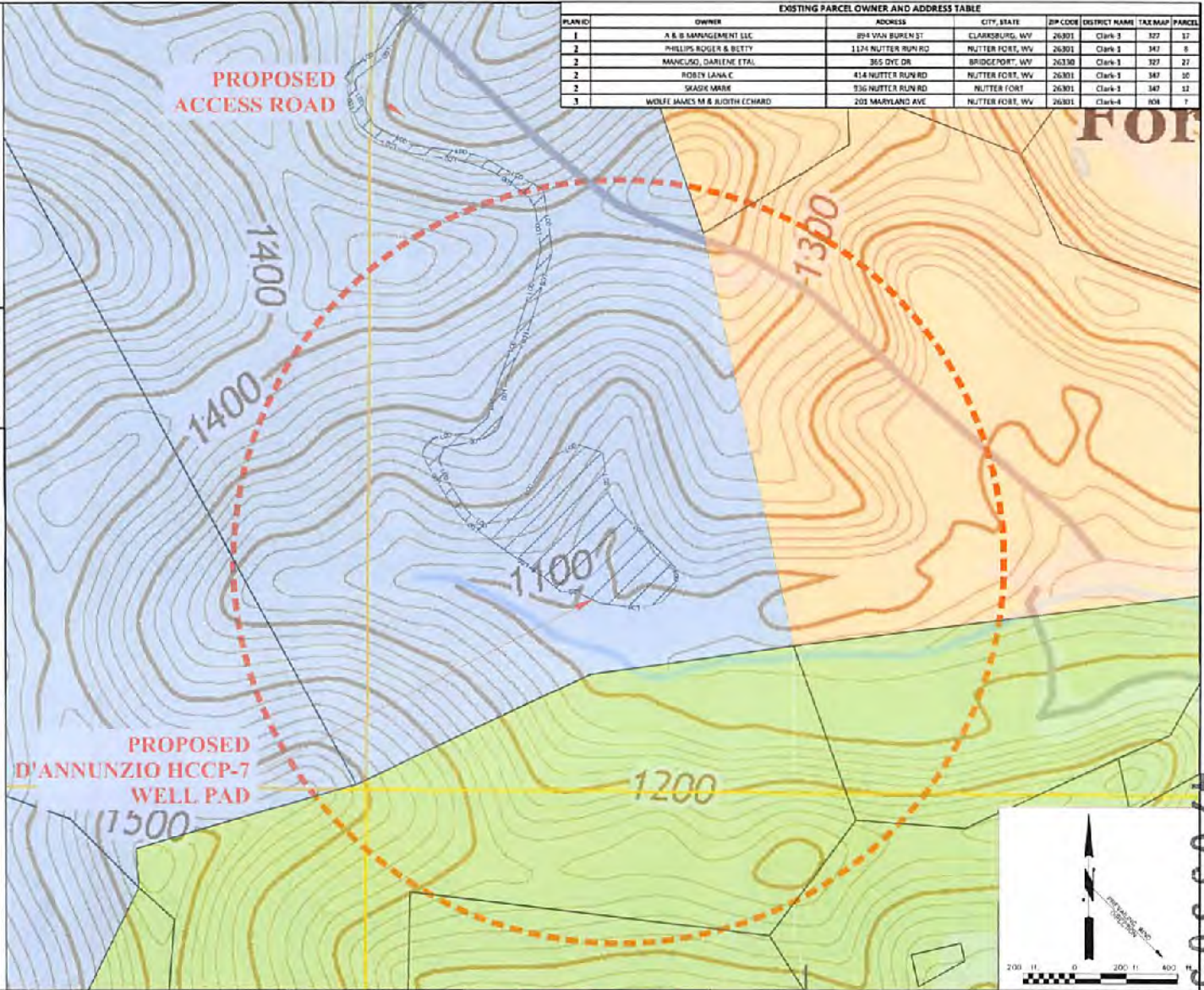
D'ANNUNZIO HCCP-7 WELL PAD COORDINATES					
Coordinate Label	West Point Center	Southwest Corner	East Point Center	Northwest Corner	Address Road Mark
WV88-N Latitude (20)	N 39.24884	N 39.24844	N 39.24815	N 39.24717	N 39.24677
WV88-N Longitude (20)	W 80.83754	W 80.83726	W 80.83697	W 80.83624	W 80.83584
WV88-N Northing	275026.800 N	275024.895 N	275022.990 N	275019.818 N	275016.818 N
WV88-E Easting	3731763.555 E	3731549.777 E	3731199.433 E	3730705.914 E	3730205.914 E
UM88-E1 Northing	4386277.049 m	4386132.542 m	4385718.113 m	4385185.589 m	4384652.589 m
UM88-E2 Easting	551794.295 m	551786.534 m	551763.298 m	551724.514 m	551674.514 m

HARRISON COUNTY, WV HIGHWAY MAP



0 1 MILE 2 MILES
 HIGHWAY MAP SCALE

EXISTING PARCEL OWNER AND ADDRESS TABLE						
PARCEL	OWNER	ADDRESS	CITY, STATE	ZIP CODE	DISTRICT NAME	TAX MAP PARCEL
1	A & B MANAGEMENT LLC	294 VAN BUREN ST	CLARKSBURG, WV	26301	Clark-3	327 17
2	PHILLIPS ROGER & BETTY	1124 NUTTER RUN RD	NUTTER FORT, WV	26301	Clark-3	347 8
2	MANGISO, DARLENE ETAL	365 OYC DR	BRIDGEFORD, WV	26330	Clark-1	327 27
2	ROBEY LANA C	414 NUTTER RUN RD	NUTTER FORT, WV	26301	Clark-3	347 10
2	SKASK MARK	936 NUTTER RUN RD	NUTTER FORT, WV	26301	Clark-3	347 12
3	WOLF JAMES M & JUDITH ECHARD	205 MARYLAND AVE	NUTTER FORT, WV	26301	Clark-4	308 7



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ARSENAL RESOURCES

SCALE: 1" = 100'

DATE: _____

DESIGNED BY: _____

APPROVED BY: _____

DRAWN BY: _____

FIELD CHECK BY: _____

THRASHER

THE THRASHER GROUP, INC.

1000 W. ENVIRONMENTAL PLAZA, CORNING, NY 13612

800 WINDY CANYON BOULEVARD, BRIDGEFORD, WV 26330

PHONE (800) 621-4128 • FAX (304) 831-1931

PHASE No.	
CONTRACT No.	
PROJECT No.	101-030-3250

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

SHEET No.	1
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LAYOUT AND WATER MARK: PLST-LAY7.MXD 11/23/2016 4:53 PM
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RECEIVED
 Office of Oil and Gas
 WV Department of Environmental Protection
 DEC 1 2017