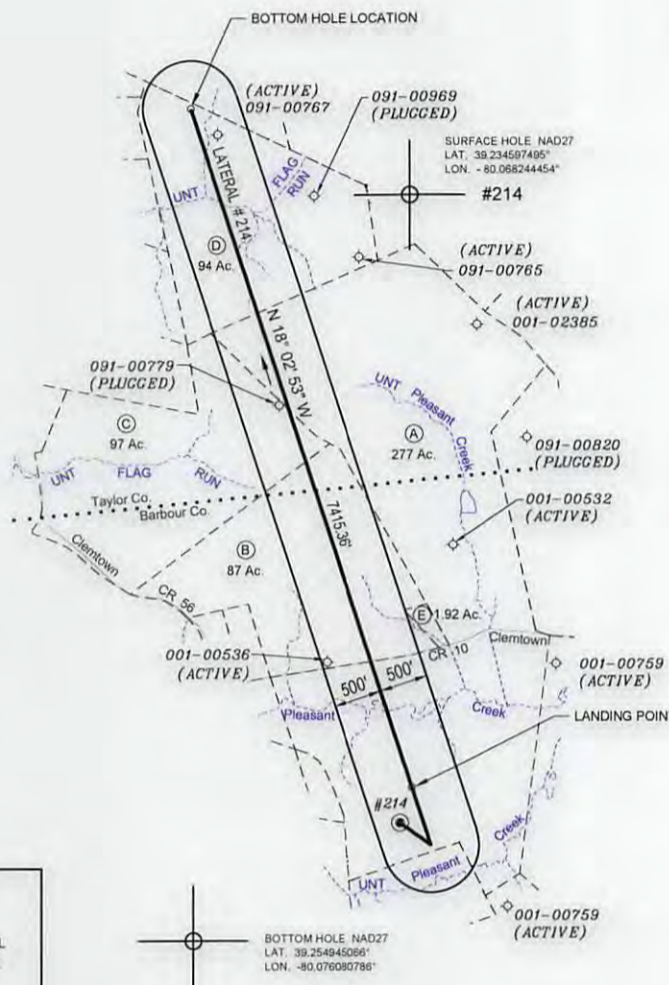
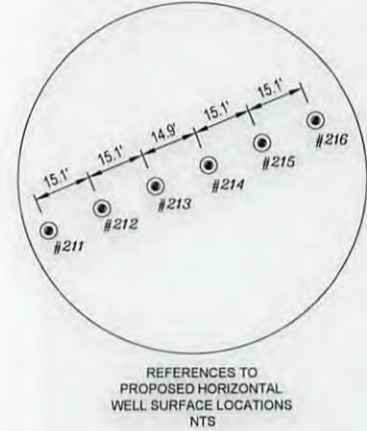
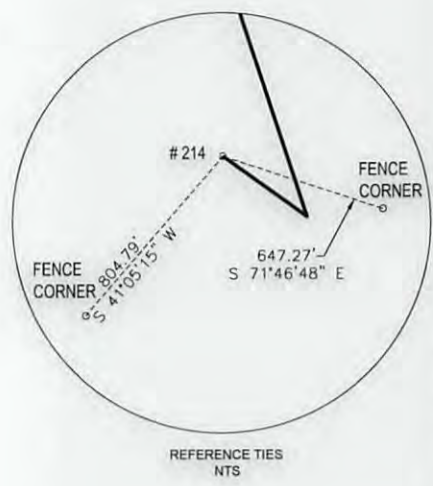


SURFACE HOLE DEC. LONG. = - 80.068244454°  
 SURVEYED LONG. = -80° 04' 05.68"

Latitude: 39° 15' 00" (NAD27)

(NAD83-WV) US SURVEY FT.	(NAD83 LAT/LONG) Decimal	(UTM, NAD83) METER
<b>TOP HOLE</b>	<b>TOP HOLE</b>	<b>TOP HOLE</b>
N) 268103.900	N) 39.234692354	N) 4343234.937
E) 1807598.400	E) -80.068048252	E) 580432.780
<b>LANDING POINT</b>	<b>LANDING POINT</b>	<b>LANDING POINT</b>
N) 268478.200	N) 39.235722168	N) 4343349.610
E) 1807723.600	E) -80.067614605	E) 580469.030
<b>BOTTOM HOLE</b>	<b>BOTTOM HOLE</b>	<b>BOTTOM HOLE</b>
N) 275528.700	N) 39.255039169	N) 4345486.070
E) 1805426.200	E) -80.075884823	E) 579733.384



**REFERENCE NOTES**

- Property lines as shown taken from deeds, tax maps, and field locations. A full boundary survey is not expressed or implied. All bearings are based on grid North. Ownership taken from public records Barbour & Taylor County, West Virginia Date 2017
- State Plane Coordinates & NAD83 Lat/Long by differential submeter mapping grade GPS.
- There are no railroads, dwellings, or agricultural buildings within 625 feet of center of pad.
- No water wells found within 250' of the center of well pad.

**LEGEND**

- PROPOSED WELL LATERAL
- - - PROPOSED WELL TIE LINE
- STREAM
- EXISTING ROAD
- BUFFER
- PROPERTY LINE
- #H PROPOSE WELL HEAD
- EXISTING WELL HEAD
- LANDING POINT/BOTTOM HOLE
- SURFACE OWNER

BOTTOM HOLE NAD27 GRAFTON GEOGRAPHIC QUADRANGLE  
 13314 SOUTH OF LAT. 39° 17' 30"  
 9826' WEST OF LONG. 80° 02' 30"

TAX MAP ID NUMBER	OWNER NAME	PARCEL NUMBER
A TM 7 / 7	Stout Thomas & Stout William (Bill)	01-09-0007-0007-0000
B TM 7 / 8	Stone Danny R & Pamela J HWS	01-09-0007-0008-0000
C TM 19 / 6	Coffman Cleo E	46-05-0019-0006-0000
D TM 15 / 53	Stout Woodbridge	46-05-0015-0053-0000
E TM 7 / 8.1	Stone Jeffrey D & Candice L.	01-09-0007-0008-0001

FILE#: 17078-001  
 SHEET#: 1 of 1  
 SCALE: 1" = 2000'  
 TICK SCALE: 1" = 2000'  
 MINIMUM DEGREE OF ACCURACY: 1/200  
 PROVEN SOURCE OF ELEVATION: WV-RTN CORS STATION

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 THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

Signed: Gary W. Kuroski 10-26-17  
 P.S. #2069: Gary W. Kuroski, P.S.



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 WVDEP  
 OFFICE OF OIL & GAS  
 601 57TH STREET  
 CHARLESTON, WV 25304



DATE: OCT. 26, 2017  
 STOUT BPP30  
 OPERATOR'S WELL #: # 214  
 API WELL #: 47 01 **03357**  
 STATE COUNTY PERMIT

Well Type:  Oil  Waste Disposal  Production  Deep  
 Gas  Liquid Injection  Storage  Shallow  
 WATERSHED: TYGART VALLEY - SANDY CREEK  
 COUNTY / DISTRICT: BARBOUR & TAYLOR / PLEASANT & COURTHOUSE  
 SURFACE OWNER: THOMAS STOUT and JOHN WILLIAM (BILL) STOUT  
 OIL & GAS ROYALTY OWNER: THOMAS STOUT and JOHN WILLIAM (BILL) STOUT

ELEVATION: 1334'  
 QUADRANGLE: PHILIPPI, WV  
 ACREAGE: 277  
 ACREAGE: 557 ±

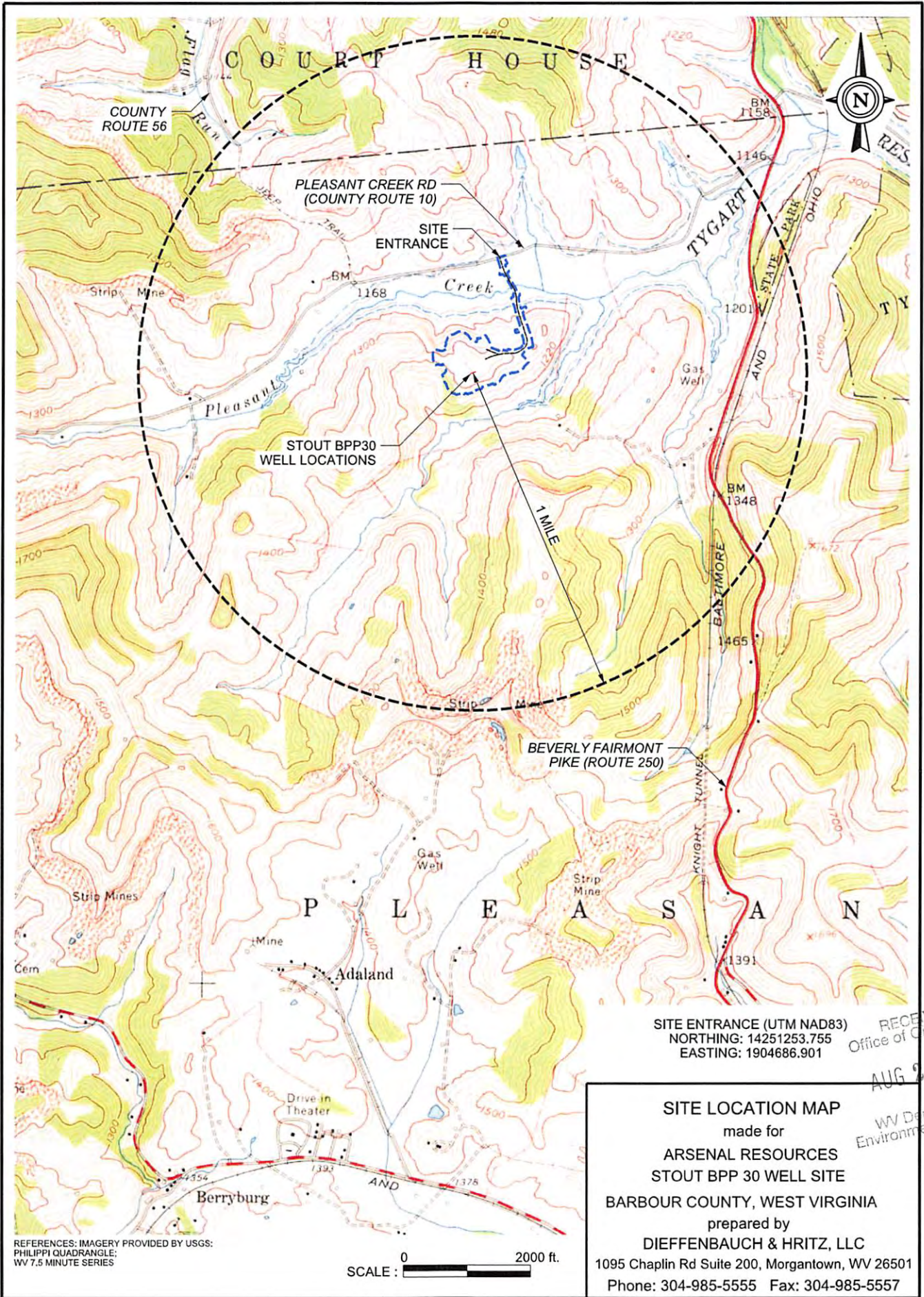
- DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE
- PLUG OFF FORMATION  PERFORATE NEW FORMATION  PLUG & ABANDON
- CLEAN OUT & REPLUG  OTHER CHANGE SPECIFY: \_\_\_\_\_

TARGET FORMATION: MARCELLUS  
 WELL OPERATOR: ARSENAL RESOURCES  
 ADDRESS: 6031 WALLACE ROAD EXTENSION # 300  
 CITY: WEXFORD STATE: PA ZIP: 15090

ESTIMATED DEPTH: TVD: 7800' TMD: 15625'  
 DESIGNATED AGENT: WILLIAM VEIGEL  
 ADDRESS: 65 PROFESSIONAL PLACE SUITE 200  
 CITY: BRIDGEPORT STATE: WV ZIP: 26330

5563'  
 Longitude: 80° 02' 30" (NAD27)  
 SURFACE HOLE DEC. LAT. = 39° 23' 45.97495"  
 SURVEYED LAT. = 39° 14' 04.55"

1:2000 7/18/2017 9:08:35 AM K:\Mountaineer-Keystone\2017\17078-001 - PUMA30\Common\SITE LOCATION MAP.dgn



SITE ENTRANCE (UTM NAD83)  
 NORTHING: 14251253.755  
 EASTING: 1904686.901

RECEIVED  
 Office of Oil and Gas  
 AUG 24 2017

WV Department of  
 Environmental Protection

**SITE LOCATION MAP**  
 made for  
**ARSENAL RESOURCES**  
**STOUT BPP 30 WELL SITE**  
**BARBOUR COUNTY, WEST VIRGINIA**  
 prepared by  
**DIEFFENBAUCH & HRITZ, LLC**  
 1095 Chaplin Rd Suite 200, Morgantown, WV 26501  
 Phone: 304-985-5555 Fax: 304-985-5557

11/10/2017