



<p>TH (NAD 83)</p> <p>N) 617730.8 E) 1658575.2 LAT.) 40°11'26.5" LONG.) 80°36'33.7" DEC. LAT.) 40.190687 DEC. LONG.) 80.609362</p>
<p>TH (NAD 27)</p> <p>N) 617693.8 E) 1690010.0 LAT.) 40°11'26.2" LONG.) 80°36'34.4" DEC. LAT.) 40.190615 DEC. LONG.) 80.609565</p>
<p>BOTTOM HOLE (NAD 83)</p> <p>N) 612838.8 E) 1660753.3 LAT.) 40°10'38.4" LONG.) 80°36'04.9" DEC. LAT.) 40.177333 DEC. LONG.) 80.601352</p>
<p>BOTTOM HOLE (NAD 27)</p> <p>N) 612801.8 E) 1692188.0 LAT.) 40°10'38.1" LONG.) 80°36'05.6" DEC. LAT.) 40.177261 DEC. LONG.) 80.601355</p>

<p>TOP HOLE (UTM 83)</p> <p>N) 4448995.1 E) 533251.8</p>
<p>BOTTOM HOLE (UTM 83)</p> <p>N) 4447515.9 E) 533940.3</p>

REFERENCE NOTES
Boundaries as shown taken from deeds, tax maps and field locations. A full boundary survey is not expressed nor implied. All bearings are based on true north. Ownership taken from public records Brooke County, West Virginia MARCH 2011
State Plane Coordinates & NAD 83 Lat/Long by differential submeter mapping grade GPS
Drafted by: E.A.M.

FILE #: CHE 071
DRAWING #: 1675
SCALE: 1"=1200'
MINIMUM DEGREE OF ACCURACY: 1/200
PROVEN SOURCE OF ELEVATION: SUBMETER MAPPING GRADE GPS

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:

L.L.S. #2124 : Ernest J. Benchek III

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

Well Type: Oil Waste Diposal Production Deep
 Gas Liquid Injection Storage Shallow

WATERSHED: UPPER OHIO SOUTH

COUNTY/DISTRICT: BROOKE/BUFFALO QUADRANGLE: BETHANY WV.

SURFACE OWNER: MIKE RYNIAWEC BRK ACREAGE: 102.0 +/-

OIL & GAS ROYALTY OWNER: MIKE RYNIAWEC BRK ACREAGE: 411.373 +/-

LEASE NUMBERS: _____

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 ESTIMATED DEPTH: TVD: 5,935' TMD: 11,290'

WELL OPERATOR : CHESAPEAKE APPALACHIA, LLC. DESIGNATED AGENT : ERIC B. GILLESPIE
ADDRESS: PO BOX 18496 ADDRESS: PO BOX 6070
CITY: OKLAHOMA CITY STATE: OK ZIP CODE: 73154-0496 CITY: CHARLESTON STATE: WV ZIP CODE: 25301

DATE: JULY 12, 2011
OPERATOR'S WELL #: MIKE RYNIAWEC BRK 8H
API WELL #: 47 09 00109H
STATE COUNTY PERMIT

ELEVATION: 1,150'

WELL MIKE RYNIAWEC BRIC BN
QUAD BETHANY WV

