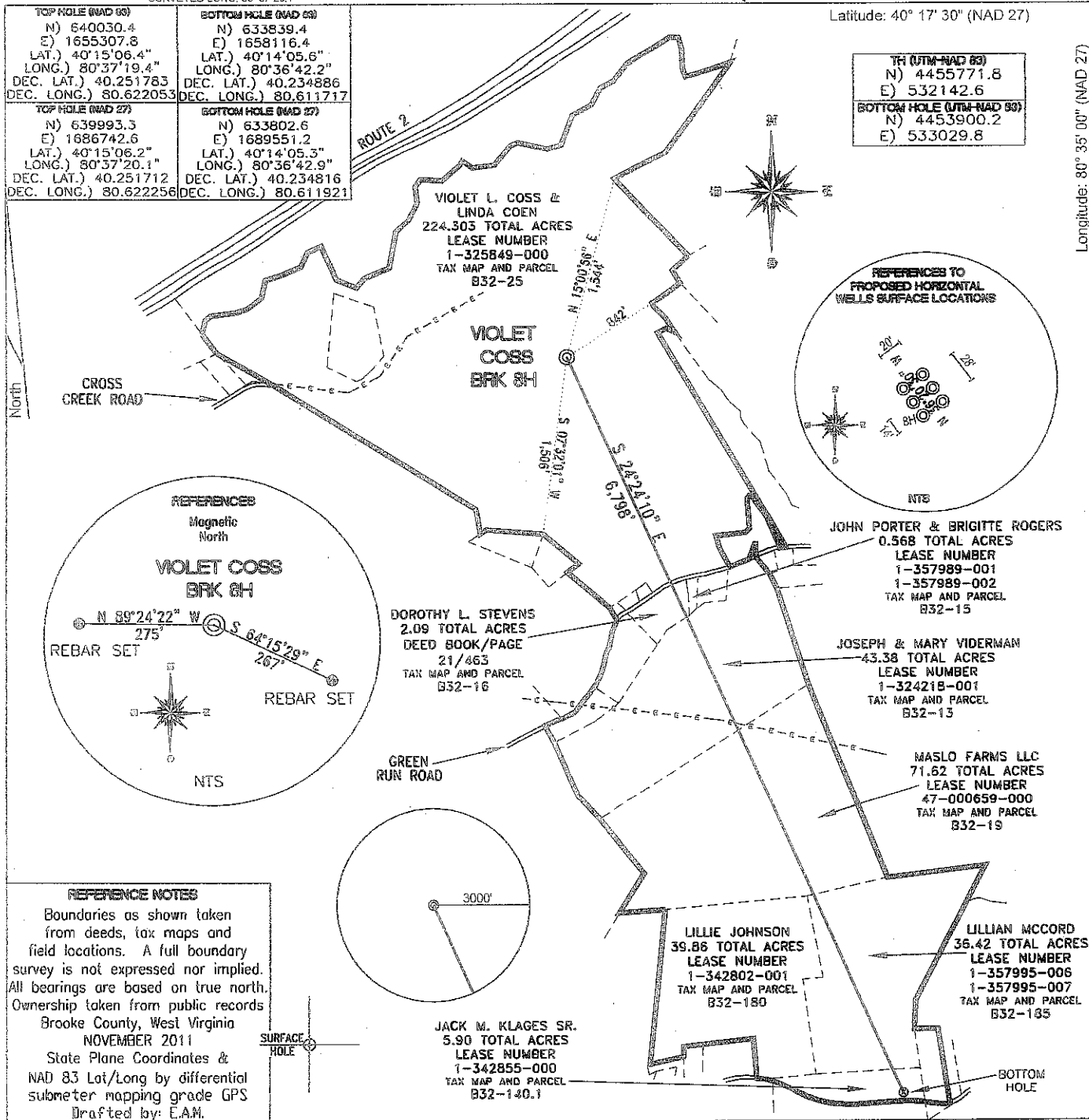


<b>TOP HOLE (NAD 83)</b> N) 640030.4 E) 1655307.8 LAT.) 40°15'06.4" LONG.) 80°37'19.4" DEC. LAT.) 40.251783 DEC. LONG.) 80.622053	<b>BOTTOM HOLE (NAD 83)</b> N) 633839.4 E) 1658116.4 LAT.) 40°14'05.6" LONG.) 80°36'42.2" DEC. LAT.) 40.234886 DEC. LONG.) 80.611717
<b>TOP HOLE (NAD 27)</b> N) 639993.3 E) 1686742.6 LAT.) 40°15'06.2" LONG.) 80°37'20.1" DEC. LAT.) 40.251712 DEC. LONG.) 80.622256	<b>BOTTOM HOLE (NAD 27)</b> N) 633802.6 E) 1689551.2 LAT.) 40°14'05.3" LONG.) 80°36'42.9" DEC. LAT.) 40.234816 DEC. LONG.) 80.611921

<b>TH (UTM-NAD 83)</b> N) 4455771.8 E) 532142.6
<b>BOTTOM HOLE (UTM-NAD 83)</b> N) 4453900.2 E) 533029.8



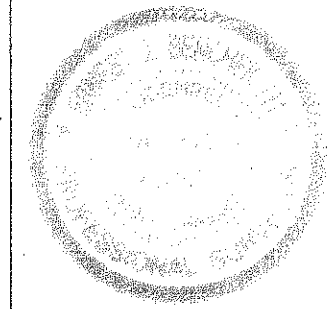
Longitude: 80° 35' 00" (NAD 27)

SURFACE HOLE DEC. LAT: 40° 15' 06.2"  
SURVEYED LAT: 40° 15' 06.2"

**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 NOVEMBER 2011  
State Plane Coordinates & NAD 83 Lat/Long by differential submeter mapping grade GPS  
Drafted by: E.A.M.

FILE #: CHE 096  
DRAWING #: 1867  
SCALE: 1" = 1200'  
MINIMUM DEGREE OF ACCURACY: 1/200  
PROVEN SOURCE: 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 5TH STREET  
CHARLESTON, WV 25304

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

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1,180'

COUNTY/DISTRICT: BROOKE / BUFFALO QUADRANGLE: STEBENVILLE EAST, WV.

SURFACE OWNER: VIOLET COSS ACREAGE: 224.303 +/-

OIL & GAS ROYALTY OWNER: VIOLET COSS ACREAGE: 383.713 +/-

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: 5,700' TMD: 12,293'

WELL OPERATOR: CHESAPEAKE APPALACHIA, LLC. DESIGNATED AGENT: ERIC GILLESPIE

ADDRESS: PO BOX 18496 ADDRESS: PO BOX 6070

CITY: OKLAHOMA CITY STATE: OK ZIP CODE: 73154-0496 CITY: CHARLESTON STATE: WV ZIP CODE: 25362

DATE: MARCH 12, 2012  
OPERATOR'S WELL #: VIOLET COSS BRK 8H  
API WELL #: 47 09 00146 H6A  
STATE COUNTY PERMIT

WHEEL WIDET CO. 3 1/2 IN. 3 1/2 IN.  
QUAD STEUBENVILLE

