



**TOP HOLE (NAD 83)**  
N) 602153.1  
E) 1670318.0  
LAT.) 40°08'53.9"  
LONG.) 80°34'00.0"  
DEC. LAT.) 40.148319  
DEC. LONG.) 80.566671

**BOTTOM HOLE (NAD 83)**  
N) 596057.7  
E) 1673318.5  
LAT.) 40°07'54.1"  
LONG.) 80°33'20.5"  
DEC. LAT.) 40.131685  
DEC. LONG.) 80.555683

**TOP HOLE (NAD 27)**  
N) 602116.0  
E) 1701752.5  
LAT.) 40°08'53.7"  
LONG.) 80°34'00.8"  
DEC. LAT.) 40.148246  
DEC. LONG.) 80.566877

**BOTTOM HOLE (NAD 27)**  
N) 596020.7  
E) 1704752.9  
LAT.) 40°07'53.8"  
LONG.) 80°33'21.2"  
DEC. LAT.) 40.131612  
DEC. LONG.) 80.555888

**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 Ohio County, West Virginia JUNE 2011  
State Plane Coordinates & NAD 83 Lat/Long by differential submeter mapping grade GPS  
Drafted by: E.A.N.

FILE #: CHE 040  
DRAWING #: 1539  
SCALE: 1"=1200'  
MINIMUM DEGREE OF ACCURACY: 1/200'  
PROVEN SOURCE: SUBMETER MAPPING  
OF ELEVATION: 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: OHIO/LIBERTY  
SURFACE OWNER: MICHAEL T. RATCLIFFE  
OIL & GAS ROYALTY OWNER: MICHAEL T. RATCLIFFE  
LEASE NUMBERS:

DATE: NOVEMBER 28, 2011  
OPERATOR'S WELL #: MICHAEL RATCLIFFE OHI 8H  
API WELL #: 47 69 00103H  
STATE COUNTY PERMIT  
**CANCELLED**  
ELEVATION: 1,285'  
QUADRANGLE: BETHANY WV.  
ACREAGE: 55.835 +/-  
ACREAGE: 264.588 +/-

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: 6,325' TVD: 12,914'  
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: 25304

04/11/2014