



**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 FEBRUARY 2013  
 State Plane Coordinates & NAD 83 Lat/Long by differential submeter mapping grade GPS  
 Drafted by: E.A.H.

<b>TOP HOLE (UTM NAD 83)</b>
N) 4439131.7
E) 539000.9
<b>BOTTOM HOLE (UTM NAD 83)</b>
N) 4441580.1
E) 537549.9

FILE #: CHE 113  
 DRAWING #: 2159  
 SCALE: 1" = 1,600'  
 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

DATE: MARCH 19, 2013  
 OPERATOR'S WELL #: CARL ROTTER OHI 1H  
 API WELL #: 47 69 00171H6A  
 STATE COUNTY PERMIT

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

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1,340'  
 COUNTY/DISTRICT: OHIO / LIBERTY QUADRANGLE: VALLEY GROVE, WV  
 SURFACE OWNER: CARL J. AND GRACE A. ROTTER ACREAGE: 77.45 +/-  
 OIL & GAS ROYALTY OWNER: CARL J. AND GRACE A. ROTTER ACREAGE: 733.136 +/-  
 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: 6,580' TMD: 15,787'  
 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: 25301

06/14/2013

WELL: CARL ROTTER OH 1H  
QUAD: VALLEY GROVE WV

