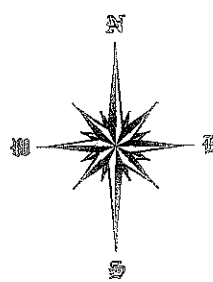
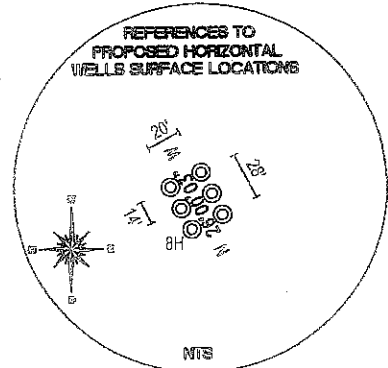
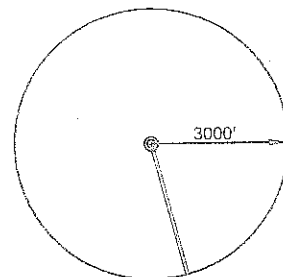
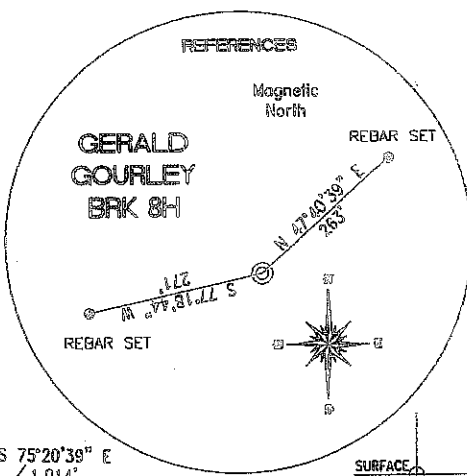


<b>TOP HOLE (NAD 83)</b> N) 654062.5 E) 1672976.8 LAT.) 40°19'06.0" LONG.) 80°33'35.2" DEC. LAT.) 40.318333 DEC. LONG.) 80.559773	<b>BOTTOM HOLE (NAD 83)</b> N) 658648.0 E) 1674427.6 LAT.) 40°18'12.7" LONG.) 80°33'15.6" DEC. LAT.) 40.303519 DEC. LONG.) 80.554343
<b>TOP HOLE (NAD 87)</b> N) 664025.3 E) 1704411.1 LAT.) 40°19'05.8" LONG.) 80°33'35.9" DEC. LAT.) 40.318264 DEC. LONG.) 80.559980	<b>BOTTOM HOLE (NAD 87)</b> N) 658610.9 E) 1705861.9 LAT.) 40°18'12.4" LONG.) 80°33'16.4" DEC. LAT.) 40.303449 DEC. LONG.) 80.554550

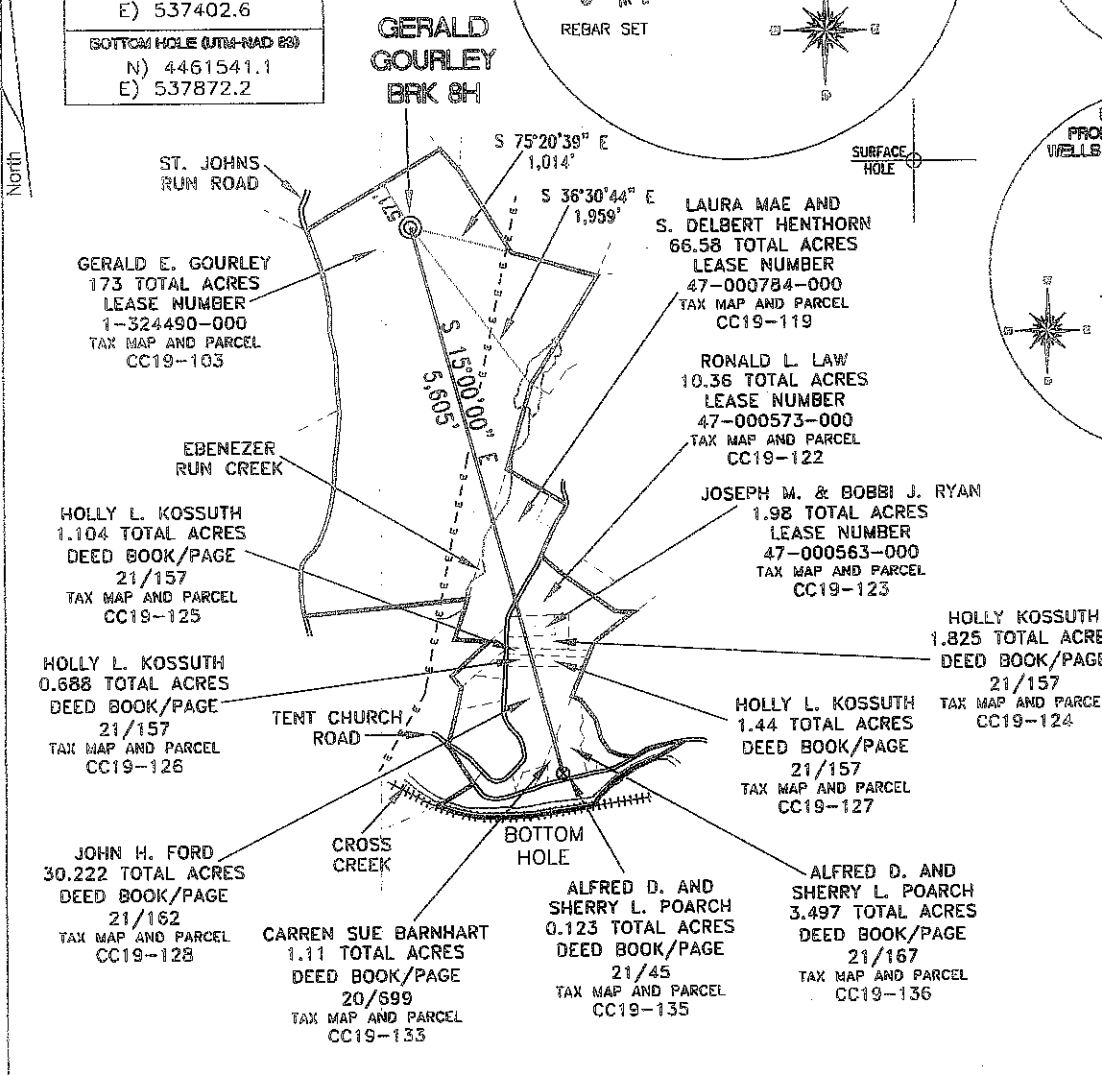
<b>TH (UTM-NAD 83)</b> N) 4463183.1 E) 537402.6
<b>BOTTOM HOLE (UTM-NAD 83)</b> N) 4461541.1 E) 537872.2



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

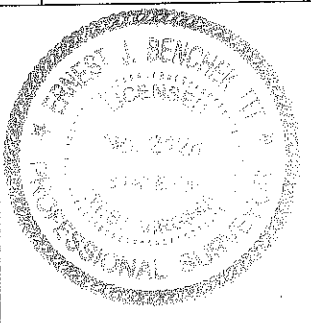
North

SURFACE HOLE DEC. LAT: 40° 19' 05.8" SURVEYED LAT: 40° 19' 05.8"



FILE #: CHE 093  
 DRAWING #: 1825  
 SCALE: 1" = 1800'  
 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 5TH STREET  
 CHARLESTON, WV 25304

DATE: FEBRUARY 22, 2012  
 OPERATOR'S WELL #: GERALD GOURLEY BRK 8H  
 API WELL #: 47 09 0014066A  
 STATE COUNTY PERMIT

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

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1160'  
 COUNTY/DISTRICT: BROOKE / CROSS CREEK QUADRANGLE: STEUBENVILLE EAST, WV.  
 SURFACE OWNER: GERALD GOURLEY ACREAGE: 173.0 +/-  
 OIL & GAS ROYALTY OWNER: GERALD GOURLEY ACREAGE: 291.929 +/-  
 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: IVD: 5,677' TMD: 11,077'  
 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

