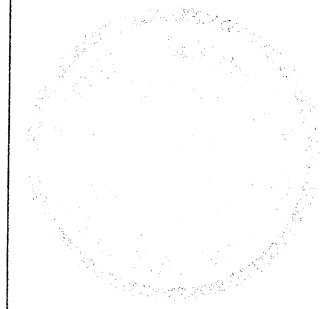


TOP HOLE (NAD 83) N) 637894.1 E) 1669273.9 LAT.) 40°14'47.0" LONG.) 80°34'19.0" DEC. LAT.) 40.246388 DEC. LONG.) 80.571932	BOTTOM HOLE (NAD 83) N) 631791.8 E) 1671786.6 LAT.) 40°13'47.0" LONG.) 80°33'46.6" DEC. LAT.) 40.229720 DEC. LONG.) 80.562672
TOP HOLE (NAD 27) N) 637857.0 E) 1700708.3 LAT.) 40°14'46.7" LONG.) 80°34'19.7" DEC. LAT.) 40.246317 DEC. LONG.) 80.572137	BOTTOM HOLE (NAD 27) N) 631754.7 E) 1703221.0 LAT.) 40°13'46.7" LONG.) 80°33'46.4" DEC. LAT.) 40.229649 DEC. LONG.) 80.562878

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

FILE #: CHE 086
 DRAWING #: 1797
 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 ELEVATION: 1,205'

COUNTY/DISTRICT: BROOKE/BUFFALO QUADRANGLE: BETHANY

SURFACE OWNER: ALAN H. AND MARY KATHRYN DEGARMO, LIFE ESTATE PATRICK A. DEGARMO, REMAINDERMAN ACREAGE: 145.00 +/-
 OIL & GAS ROYALTY OWNER: ALAN H. AND MARY KATHRYN DEGARMO, LIFE ESTATE PATRICK A. DEGARMO, REMAINDERMAN ACREAGE: 337.85 +/-
 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: 6,000' TMD: 11,599'
 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: SEPTEMBER 20, 2011
 OPERATOR'S WELL #: ALAN H. DEGARMO BRK 8H
 API WELL #: 47 09 STATE COUNTY PERMIT

9-00121H

WEN ALAN H. DEGARMO BRK 8H
QUAD BETHANY

