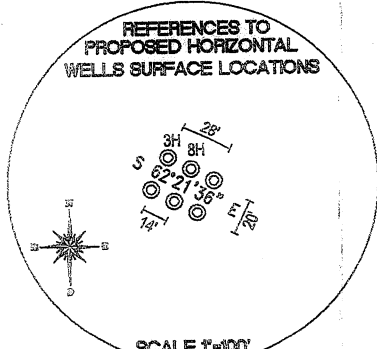
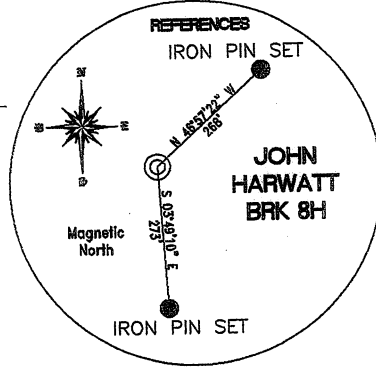


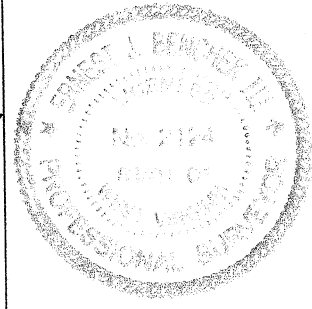
TOP HOLE (NAD 83) N) 613898.1 E) 1663226.2 LAT.) 40°10'49.2" LONG.) 80°35'33.2" DEC. LAT.) 40.180323 DEC. LONG.) 80.592549	BOTTOM HOLE (NAD 83) N) 608689.9 E) 1664787.7 LAT.) 40°09'57.9" LONG.) 80°35'12.2" DEC. LAT.) 40.166079 DEC. LONG.) 80.586736
TOP HOLE (NAD 27) N) 613861.1 E) 1694660.8 LAT.) 40°10'48.9" LONG.) 80°35'33.9" DEC. LAT.) 40.180252 DEC. LONG.) 80.592753	BOTTOM HOLE (NAD 27) N) 608652.9 E) 1696222.3 LAT.) 40°09'57.6" LONG.) 80°35'13.0" DEC. LAT.) 40.166007 DEC. LONG.) 80.586940



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

FILE #: CHE 085
DRAWING #: 1802
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 5TH STREET
CHARLESTON, WV 25304

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

WATERSHED: UPPER OHIO SOUTH
COUNTY/DISTRICT: BROOKE/BUFFALO
SURFACE OWNER: JOHN E. AND TERRY D. HARWATT AND SHIRLEY MAE NEIL
OIL & GAS ROYALTY OWNER: JOHN E. AND TERRY D. HARWATT AND SHIRLEY MAE NEIL
LEASE NUMBERS: _____

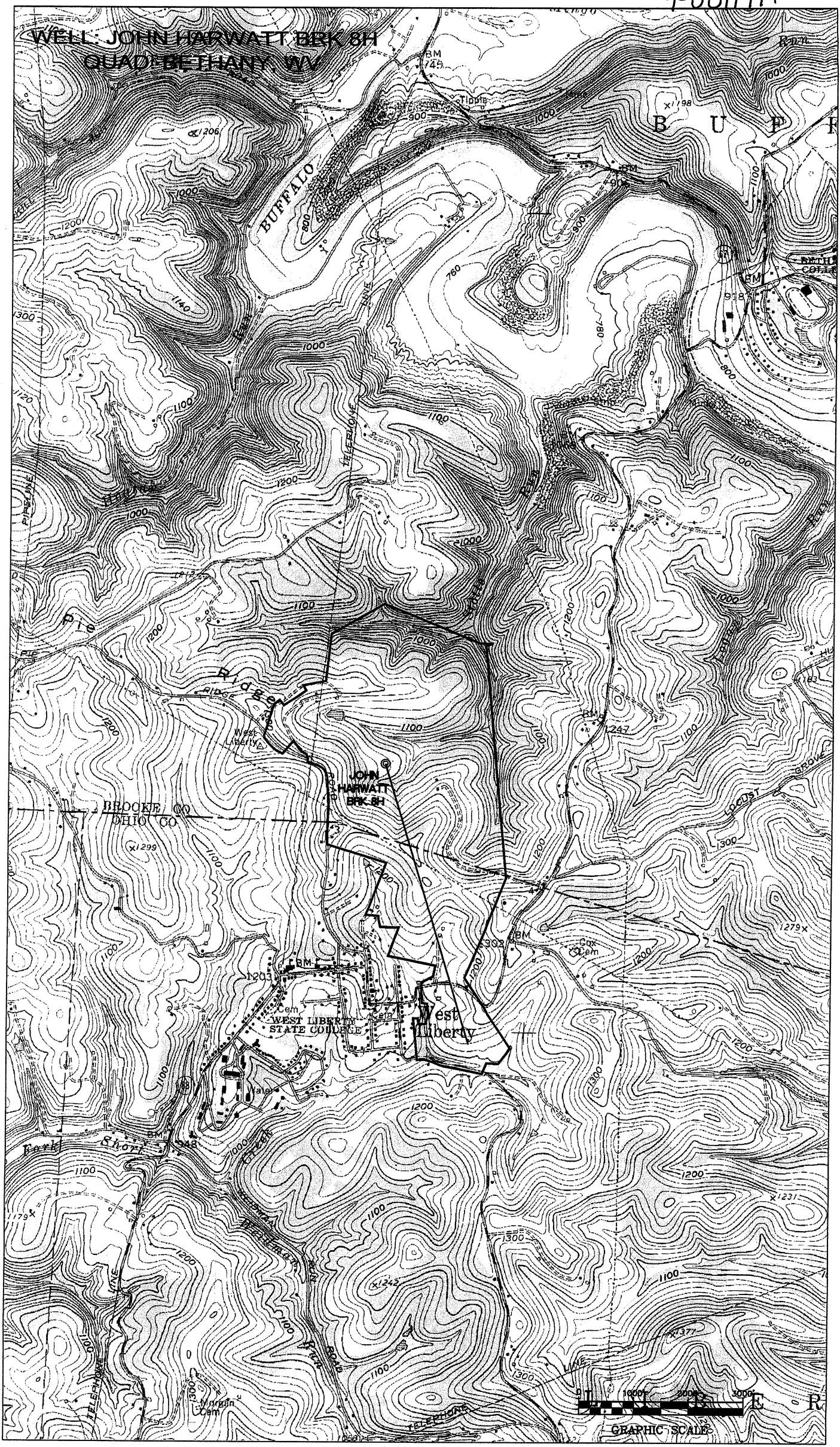
DATE: AUGUST 26, 2011
OPERATOR'S WELL #: JOHN HARWATT BRK 8H
API WELL #: 47 09 00119H
STATE COUNTY PERMIT

ELEVATION: 1,130'
QUADRANGLE: BETHANY WV.
ACREAGE: 143.57 +/-
ACREAGE: 289.03 +/-

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: 11,437'
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

9-00119H



01/27/2012