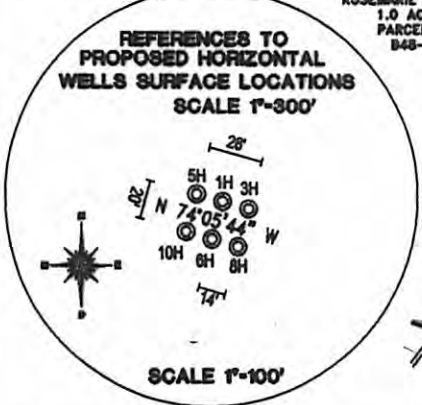
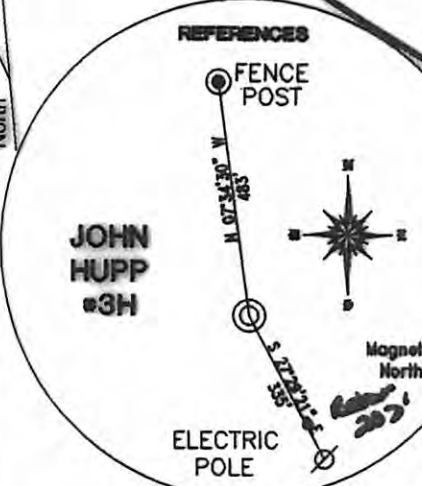


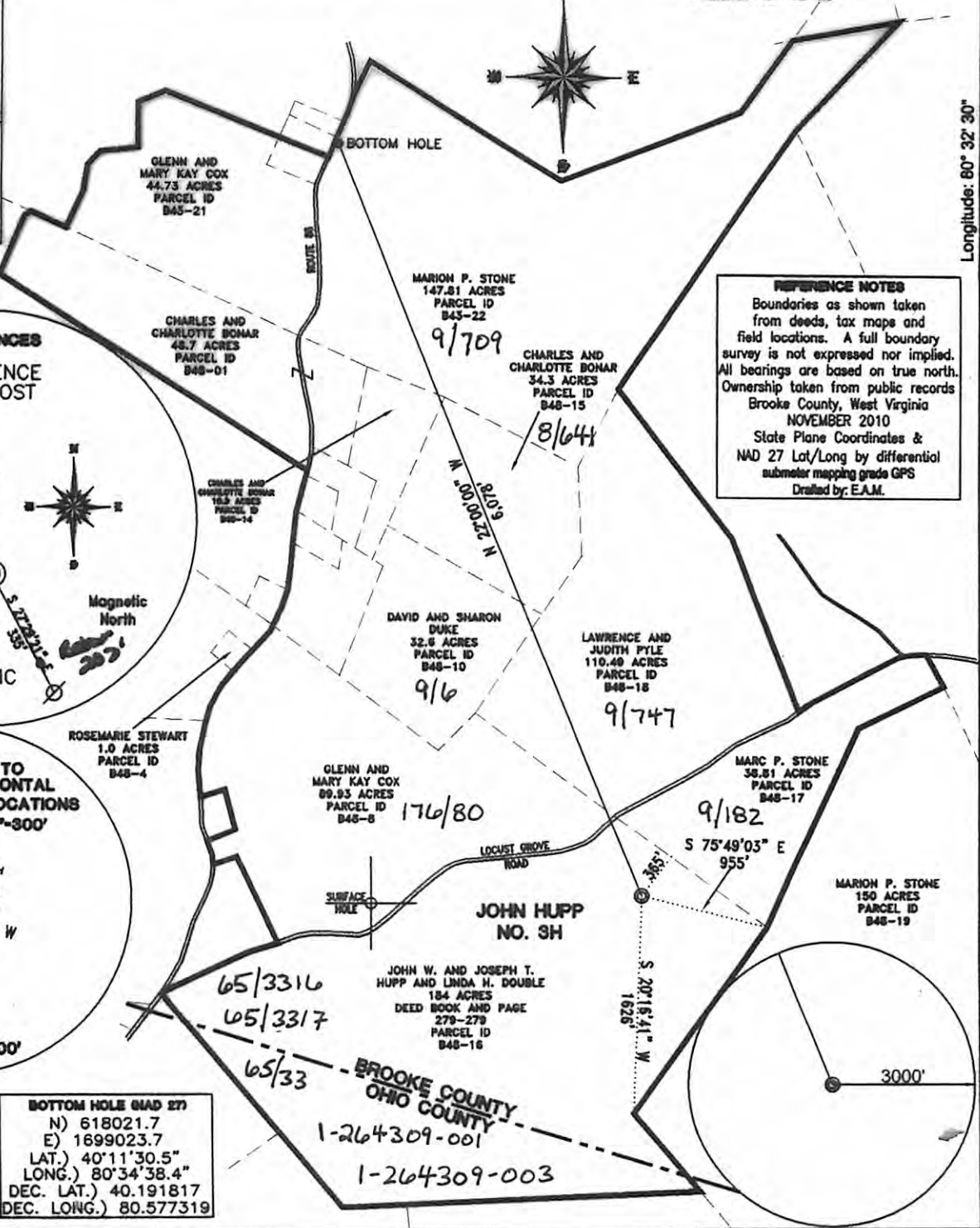
TOP HOLE (MAD 83)
 N) 612423.6
 E) 1669865.9
 LAT.) 40°10'35.4"
 LONG.) 80°34'07.4"
 DEC. LAT.) 40.176495
 DEC. LONG.) 80.568726

TOP HOLE (MAD 27)
 N) 612386.5
 E) 1701300.4
 LAT.) 40°10'35.1"
 LONG.) 80°34'08.2"
 DEC. LAT.) 40.176423
 DEC. LONG.) 80.568931



BOTTOM HOLE (MAD 83)
 N) 618058.8
 E) 1667589.1
 LAT.) 40°11'30.8"
 LONG.) 80°34'37.6"
 DEC. LAT.) 40.191888
 DEC. LONG.) 80.577114

BOTTOM HOLE (MAD 27)
 N) 618021.7
 E) 1699023.7
 LAT.) 40°11'30.5"
 LONG.) 80°34'38.4"
 DEC. LAT.) 40.191817
 DEC. LONG.) 80.577319



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 NOVEMBER 2010 State Plane Coordinates & NAD 27 Lat/Long by differential submeter mapping grade GPS Drafted by: E.A.M.

FILE #: CHE 026
 DRAWING #: 1494
 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 WYDEP

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: 1,270'

COUNTY/DISTRICT: BROOKE / BUFFALO QUADRANGLE: BETHANY, WV.

SURFACE OWNER: JOHN W. AND JOSEPH T. HUPP AND LINDA H. DOUBLE ACREAGE: 184 +/-

OIL & GAS ROYALTY OWNER: JOHN W. AND JOSEPH T. HUPP AND LINDA H. DOUBLE ACREAGE: 610.03 +/-

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: 6250'

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: 25304/2013

DATE: NOVEMBER 09, 2010
 OPERATOR'S WELL #: John Hupp NO. 3H
 API WELL #: 47 09 00086H
 STATE COUNTY PERMIT
CANCELLED