

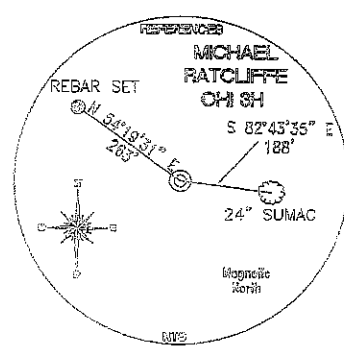
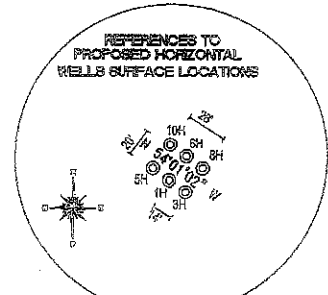
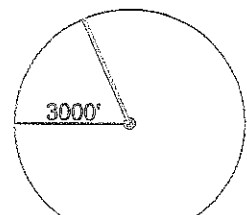
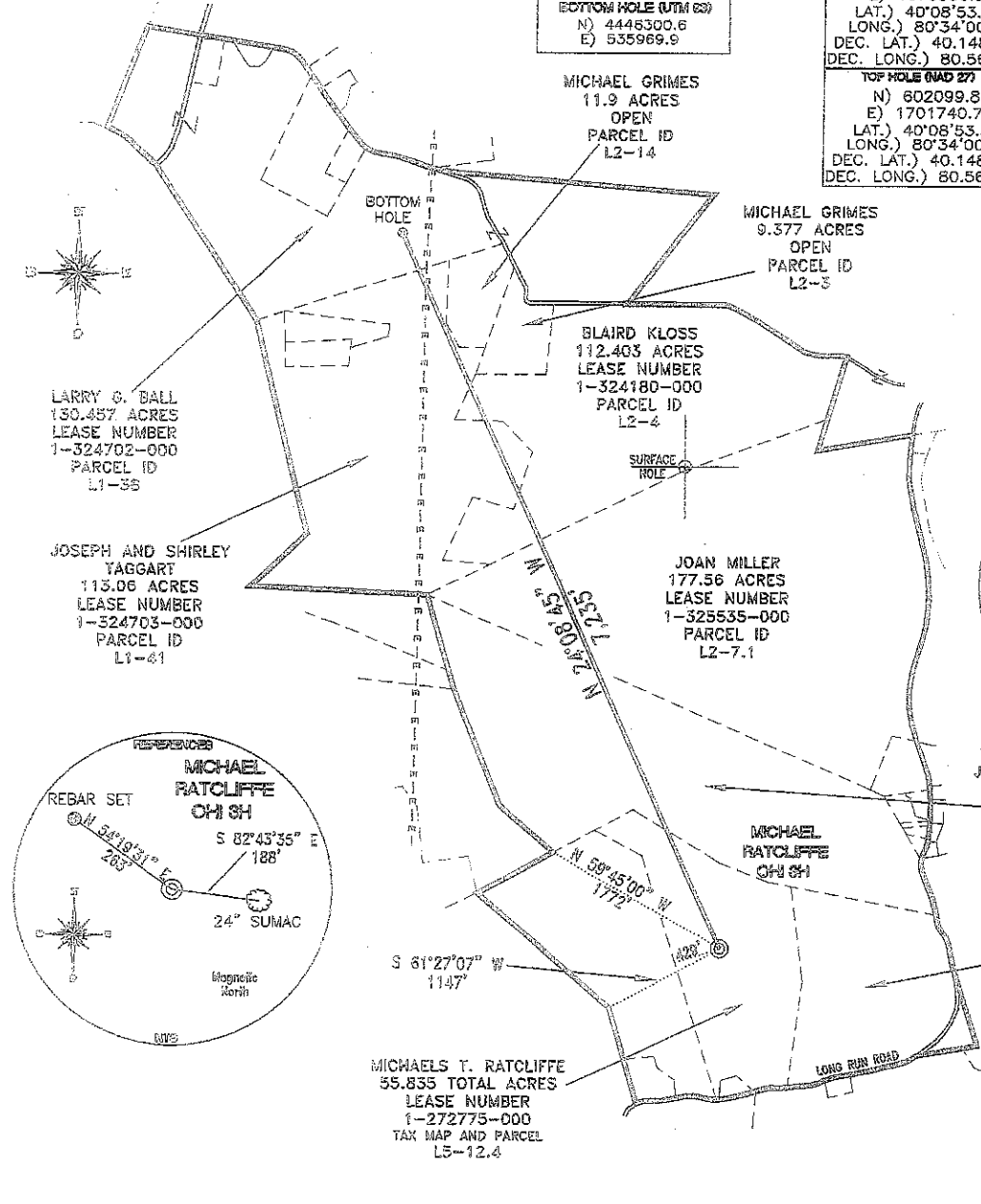
TOP HOLE (UTM 83)
 N) 4444304.3
 E) 535905.2
 BOTTOM HOLE (UTM 83)
 N) 4446300.6
 E) 535969.9

TOP HOLE (NAD 83)
 N) 602136.9
 E) 1670306.3
 LAT.) 40°08'53.8"
 LONG.) 80°34'00.2"
 DEC. LAT.) 40.148274
 DEC. LONG.) 80.566713

BOTTOM HOLE (NAD 83)
 N) 608739.1
 E) 1667346.6
 LAT.) 40°09'58.7"
 LONG.) 80°34'39.3"
 DEC. LAT.) 40.166299
 DEC. LONG.) 80.577582

TOP HOLE (NAD 27)
 N) 602099.8
 E) 1701740.7
 LAT.) 40°08'53.5"
 LONG.) 80°34'00.9"
 DEC. LAT.) 40.148201
 DEC. LONG.) 80.566918

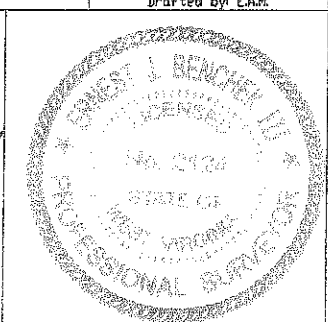
BOTTOM HOLE (NAD 27)
 N) 608702.0
 E) 1698781.2
 LAT.) 40°09'58.4"
 LONG.) 80°34'40.0"
 DEC. LAT.) 40.166227
 DEC. LONG.) 80.577787



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

FILE #: CHE 040
 DRAWING #: 1539
 SCALE: 1"=1600'
 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: [Signature]
 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 Dipsal Production Deep
 Gas Liquid Injection Storage Shallow

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1,285'

COUNTY/DISTRICT: OHIO/LIBERTY QUADRANGLE: BETHANY WV.

SURFACE OWNER: MICHAEL T. RATCLIFFE ACREAGE: 55.835 +/-
 OIL & GAS ROYALTY OWNER: MICHAEL T. RATCLIFFE ACREAGE: 718.855 +/-
 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: 6,325' TMD: 13,355'
 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

WELL: MICHAEL RATCLIFFE OHI 3H
QUAD: BETHANY, VA

