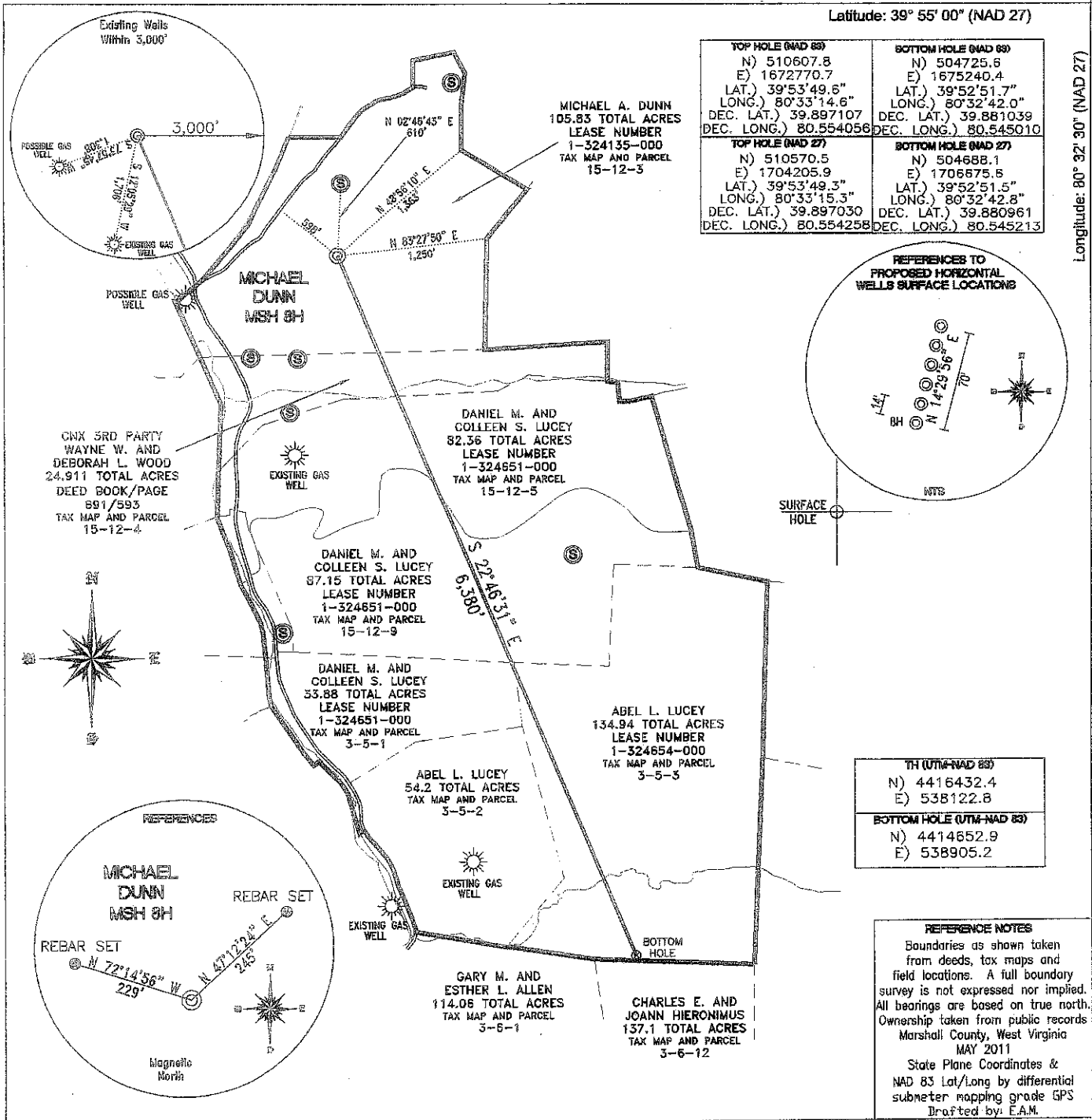


SURFACE HOLE DEC. LONG. 80.554258  
SURVEYED LONG. 80° 53' 15.3"

3,530'

Latitude: 39° 55' 00" (NAD 27)

Longitude: 80° 32' 30" (NAD 27)



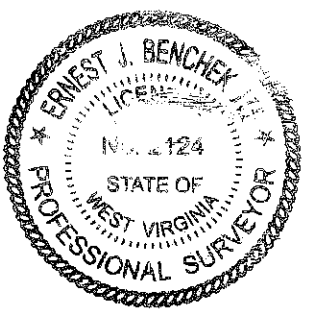
<b>TOP HOLE (NAD 83)</b> N) 510607.8 E) 1672770.7 LAT.) 39°53'49.6" LONG.) 80°33'14.6" DEC. LAT.) 39.897107 DEC. LONG.) 80.554056	<b>BOTTOM HOLE (NAD 83)</b> N) 504725.6 E) 1675240.4 LAT.) 39°52'51.7" LONG.) 80°32'42.0" DEC. LAT.) 39.881039 DEC. LONG.) 80.545010
<b>TOP HOLE (NAD 27)</b> N) 510570.5 E) 1704205.9 LAT.) 39°53'49.3" LONG.) 80°33'15.3" DEC. LAT.) 39.897030 DEC. LONG.) 80.554258	<b>BOTTOM HOLE (NAD 27)</b> N) 504688.1 E) 1706675.6 LAT.) 39°52'51.5" LONG.) 80°32'42.8" DEC. LAT.) 39.880961 DEC. LONG.) 80.545213

<b>TH (UTM-NAD 83)</b> N) 4416432.4 E) 538122.8
<b>BOTTOM HOLE (UTM-NAD 83)</b> N) 4414652.9 E) 538905.2

**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 Marshall County, West Virginia MAY 2011  
State Plane Coordinates & NAD 83 Lat/Long by differential submeter mapping grade GPS  
Drafted by: E.A.M.

FILE #: CHE 070  
DRAWING #: 1673  
SCALE: 1" = 1200'  
MINIMUM DEGREE OF ACCURACY: 1/200  
PROVEN SOURCE: SUBMETER MAPPING  
OF ELEVATION: 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

DATE: APRIL 18, 2012  
OPERATOR'S WELL #: MICHAEL DUNN MSH 8H  
API WELL #: 47 51 01563 H6A  
STATE COUNTY PERMIT

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

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1,260'  
COUNTY/DISTRICT: MARSHALL / WEBSTER QUADRANGLE: MAJORSVILLE, WV.  
SURFACE OWNER: MICHAEL A. DUNN ACREAGE: 105.83 +/-  
OIL & GAS ROYALTY OWNER: MICHAEL A. DUNN ACREAGE: 435.19 +/-  
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: 6,810' TMD: 13,166'  
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 09/28/2012

