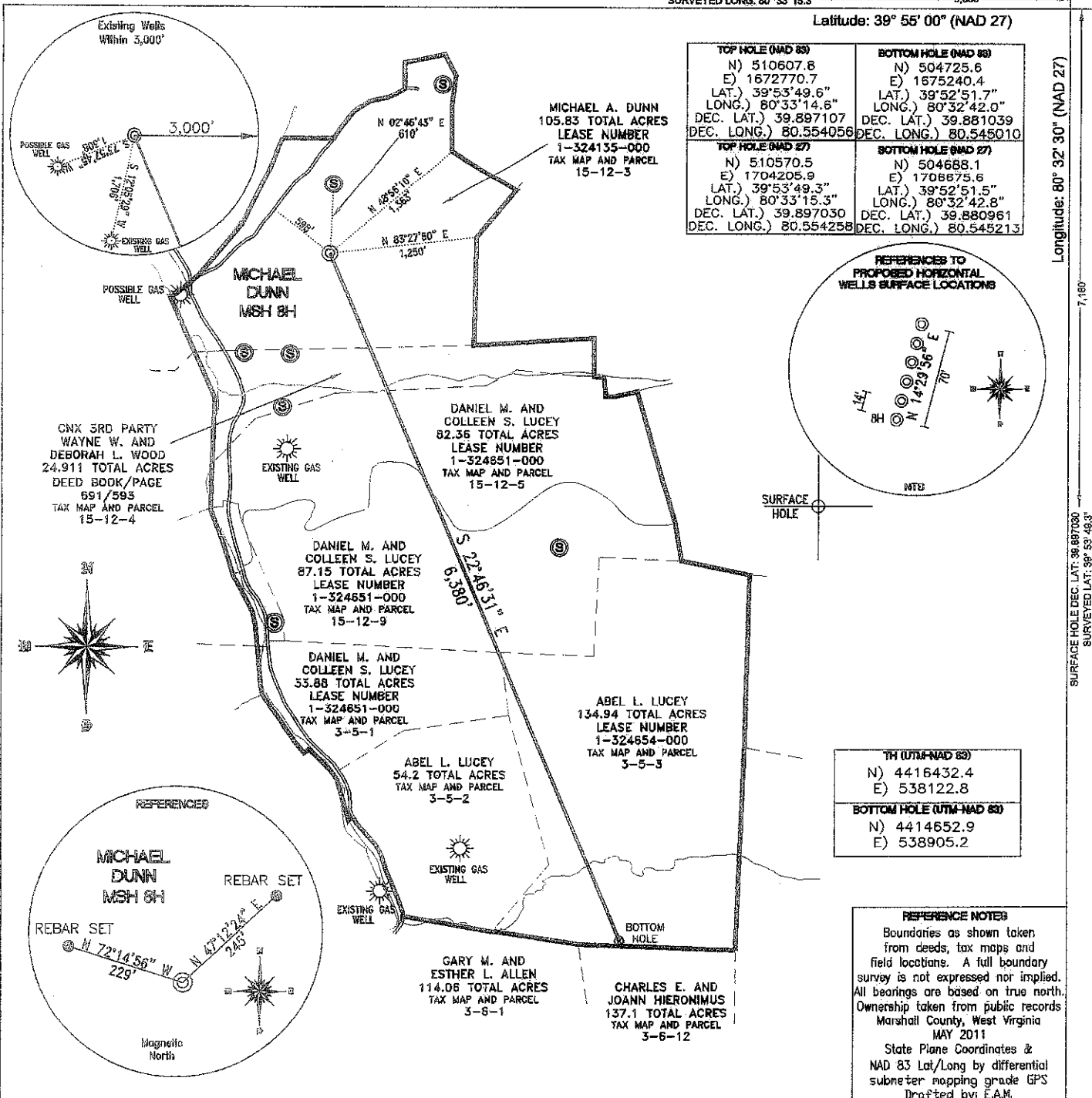


SURFACE HOLE DEC. LONG: 80.554256
 SURVEYED LONG: 80° 33' 15.3"

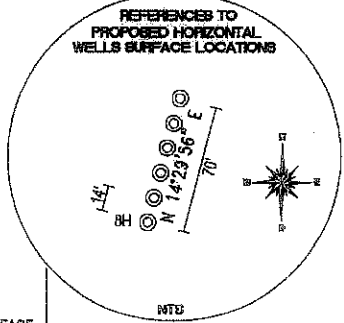
3,530'

Latitude: 39° 55' 00" (NAD 27)

Longitude: 80° 32' 30" (NAD 27)



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

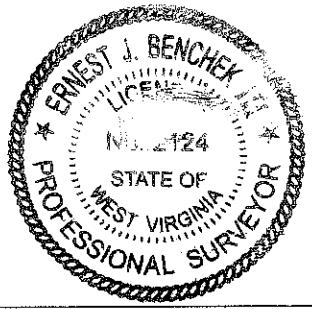


TH (UTM-NAD 83) N) 4416432.4 E) 538122.8
BOTTOM HOLE (UTM-NAD 83) N) 4414652.9 E) 538905.2

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 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: 1,260'

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 CODE: 25301

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

09/28/2012

WELL: MICHAEL DUNN MSH 8H
QUAD: MAJORSVILLE, WV

