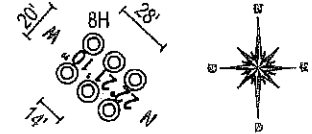


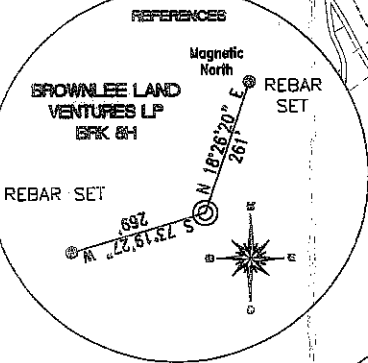
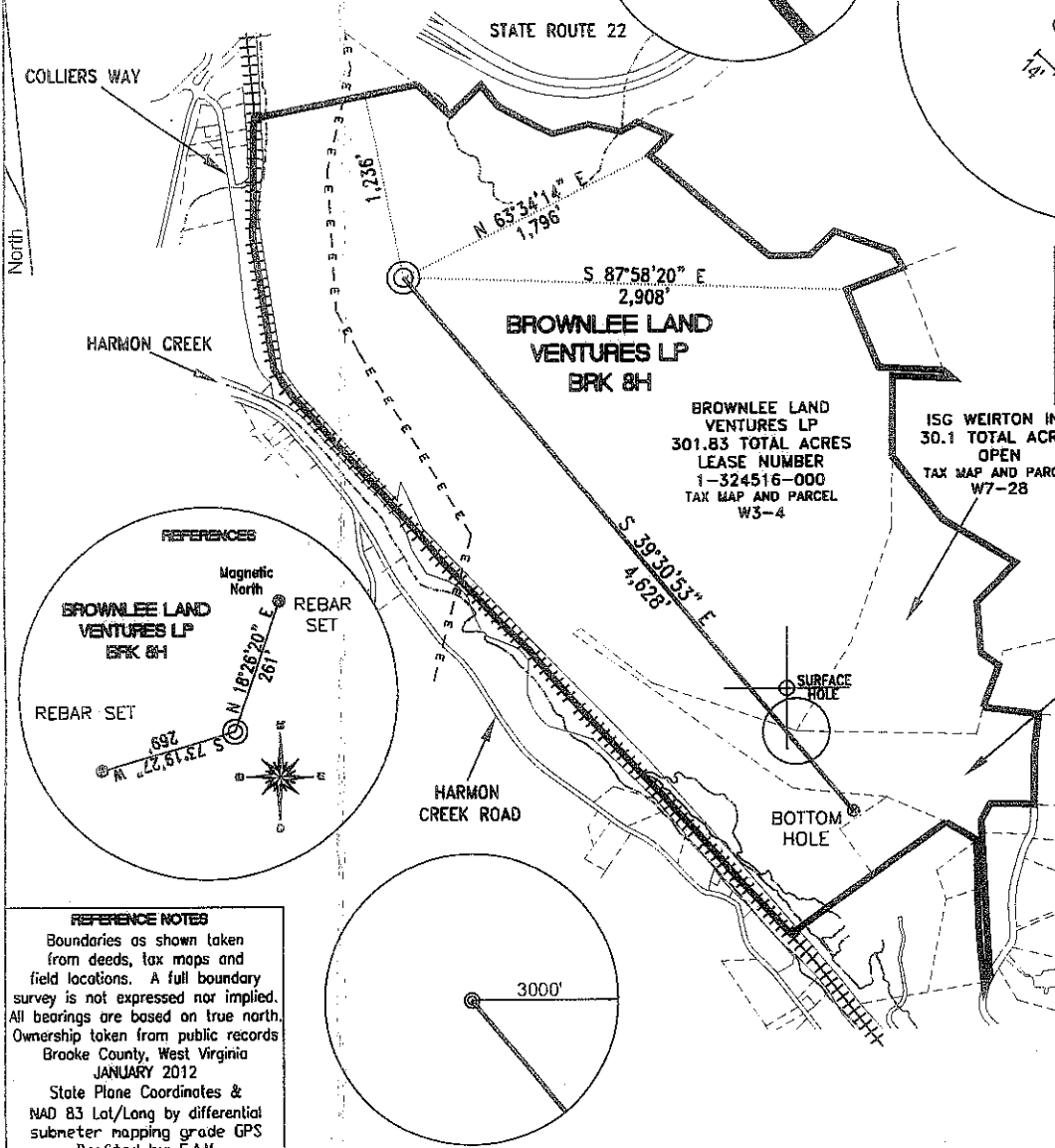
TOP HOLE (NAD 83) N) 689494.3 E) 1671884.3 LAT.) 40°23'17.2" LONG.) 80°33'53.2" DEC. LAT.) 40.388100 DEC. LONG.) 80.564771	BOTTOM HOLE (NAD 83) N) 685924.1 E) 1674828.9 LAT.) 40°22'42.2" LONG.) 80°33'14.6" DEC. LAT.) 40.378396 DEC. LONG.) 80.554052
TOP HOLE (NAD 27) N) 689457.2 E) 1703318.6 LAT.) 40°23'16.9" LONG.) 80°33'53.9" DEC. LAT.) 40.388032 DEC. LONG.) 80.564978	BOTTOM HOLE (NAD 27) N) 685887.0 E) 1706263.1 LAT.) 40°22'42.0" LONG.) 80°33'15.3" DEC. LAT.) 40.378328 DEC. LONG.) 80.554259

REFERENCES TO PROPOSED HORIZONTAL WELLS SURFACE LOCATIONS



NTS

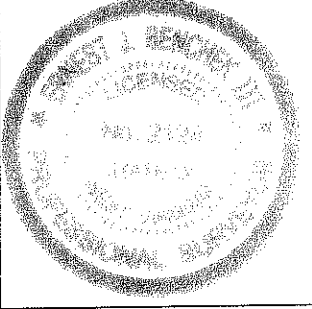
TH (UTM-NAD 83) N) 4470924.9 E) 536939.8
BOTTOM HOLE (UTM-NAD 83) N) 4469852.4 E) 537855.1



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 JANUARY 2012
State Plane Coordinates & NAD 83 Lat/Long by differential submeter mapping grade GPS
Drafted by: E.A.M.

FILE #:	CHE 100
DRAWING #:	1985
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

DATE: MARCH 15, 2012

OPERATOR'S WELL #: BROWNLEE LAND VENTURES LP BRK 8H

API WELL #: 47 09 0014546A
STATE COUNTY PERMIT

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

WATERSHED: UPPER OHIO SOUTH ELEVATION: 990'

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

SURFACE OWNER: BROWNLEE LAND VENTURES LP ACREAGE: 301.83 +/-

OIL & GAS ROYALTY OWNER: BROWNLEE LAND VENTURES LP ACREAGE: 337.747 +/-

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: 5,210' TMD: 9,632'

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: 25362

