

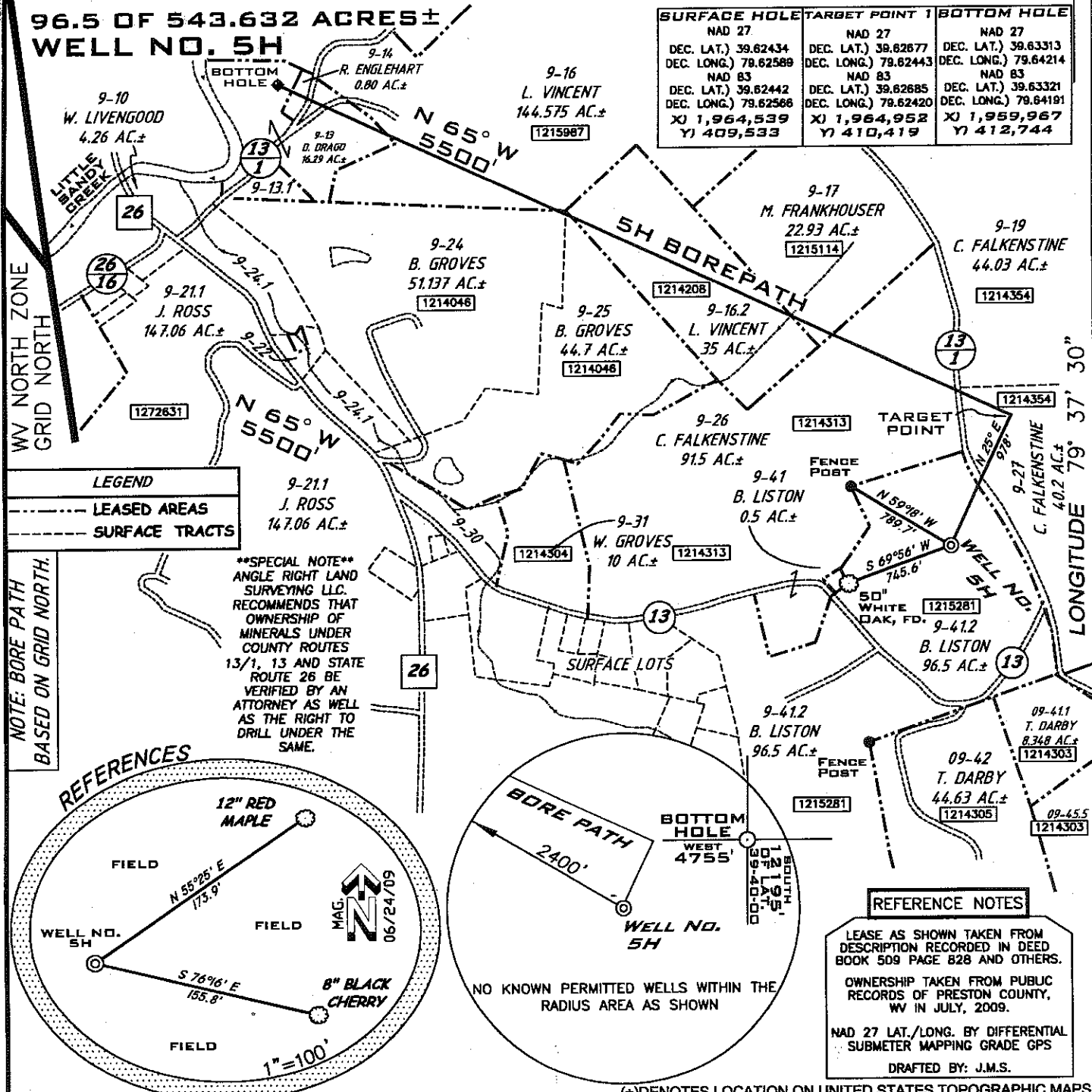
BRAY LISTON LEASE

96.5 OF 543.632 ACRES ±
WELL NO. 5H

LATITUDE 39° 37' 30"

SURFACE HOLE

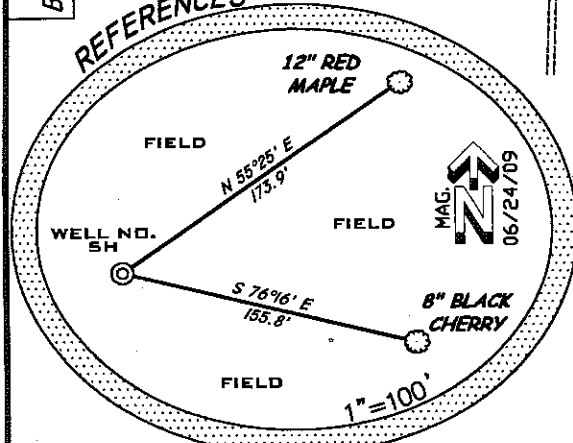
SURFACE HOLE	TARGET POINT 1	BOTTOM HOLE
NAD 27 DEC. LAT.) 39.62434 DEC. LONG.) 79.62589	NAD 27 DEC. LAT.) 39.62677 DEC. LONG.) 79.62443	NAD 27 DEC. LAT.) 39.63313 DEC. LONG.) 79.64214
NAD 83 DEC. LAT.) 39.62442 DEC. LONG.) 79.62588	NAD 83 DEC. LAT.) 39.62685 DEC. LONG.) 79.62420	NAD 83 DEC. LAT.) 39.63321 DEC. LONG.) 79.64181
XJ 1,964,539 YJ 409,533	XJ 1,964,952 YJ 410,419	XJ 1,959,967 YJ 412,744



LEGEND

- LEASED AREAS
- SURFACE TRACTS

****SPECIAL NOTE****
 ANGLE RIGHT LAND SURVEYING LLC. RECOMMENDS THAT OWNERSHIP OF MINERALS UNDER COUNTY ROUTES 13/1, 13 AND STATE ROUTE 26 BE VERIFIED BY AN ATTORNEY AS WELL AS THE RIGHT TO DRILL UNDER THE SAME.



REFERENCE NOTES

LEASE AS SHOWN TAKEN FROM DESCRIPTION RECORDED IN DEED BOOK 509 PAGE 828 AND OTHERS.
 OWNERSHIP TAKEN FROM PUBLIC RECORDS OF PRESTON COUNTY, WV IN JULY, 2009.
 NAD 27 LAT./LONG. BY DIFFERENTIAL SUBMETER MAPPING GRADE GPS
 DRAFTED BY: J.M.S.

FILE NUMBER W090195 (WB14-39)
 DRAWING NUMBER W090195_5H.dwg
 SCALE 1" = 1000'
 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

P.S. 1006 *Terry A. Shreve*



STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS

DATE: JULY 27, 2009
 831321 BRAY LISTON
 OPERATORS WELL NO. NO. 5H
 API WELL NO.
 47-077-00513-H
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS") PRODUCTION STORAGE ___ DEEP ___ SHALLOW
 LOCATION ELEVATION 1896' WATERSHED LITTLE SANDY CREEK
 DISTRICT PLEASANTS COUNTY PRESTON
 QUADRANGLE VALLEY POINT 7.5' LEASE NUMBER 1215281, 1214354, 1214313, 1215114, 1214208, 1214046, 1215987

SURFACE OWNER BRAY E. LISTON et ux ACREAGE 96.5
 OIL & GAS ROYALTY OWNER BRAY E. LISTON et ux LEASE ACREAGE 96.5 of 543.632 ±
 PROPOSED WORK: DRILL CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE PLUG OFF OLD FORMATION ___
 PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE (SPECIFY) ___
 PLUG & ABANDON ___ CLEAN OUT & REPLUG ___
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 5000' + Horizontal Leg
 WELL OPERATOR CHESAPEAKE APPALACHIA, L.L.C. DESIGNATED AGENT JAMES E. GREY
 ADDRESS P.O. BOX 18496 OKLAHOMA CITY, OK 73154-0496 ADDRESS P.O. BOX 6070 CHARLESTON, WV 25362

02/10/2012