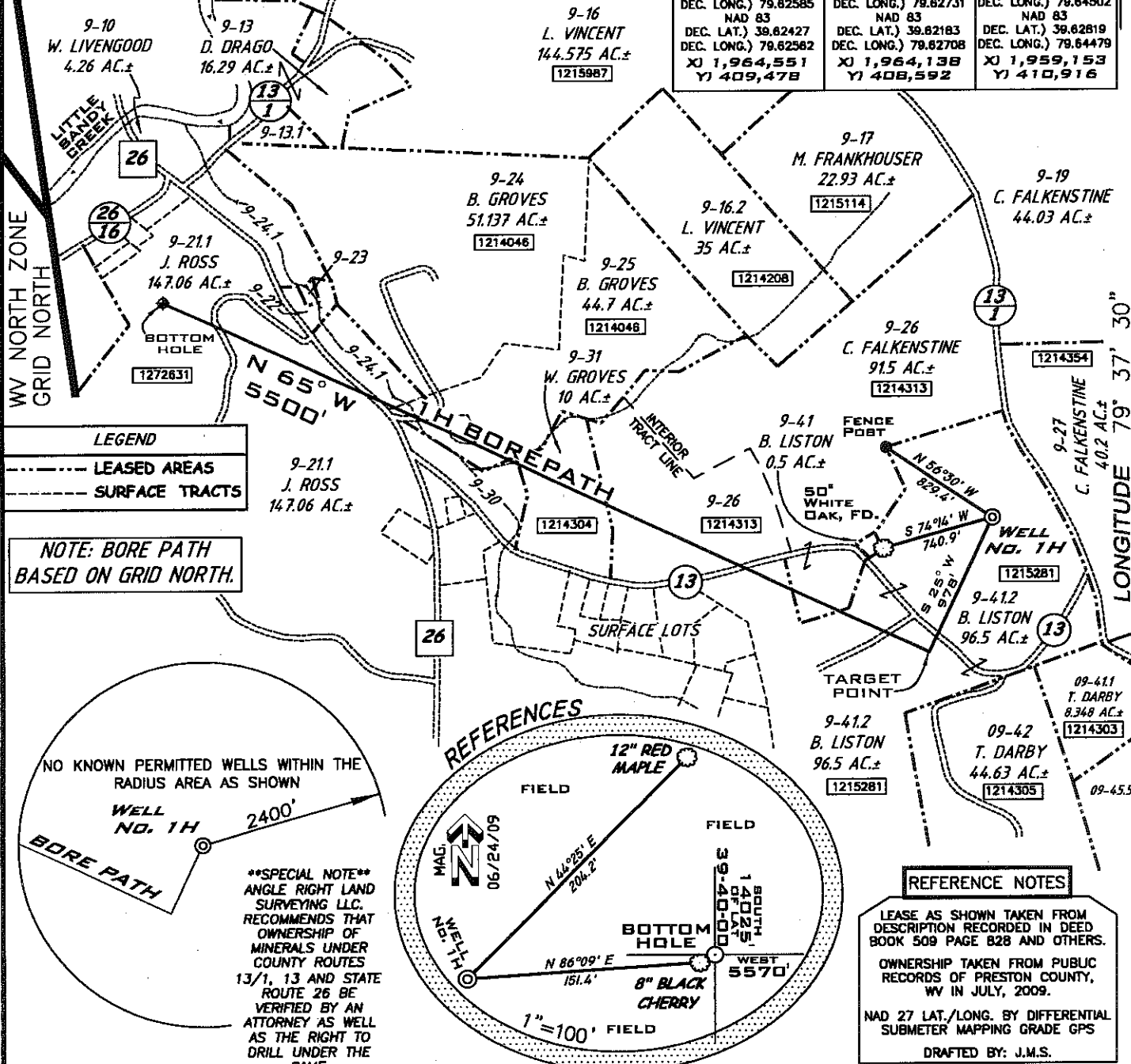


BRAY LISTON LEASE
96.5 OF 408.08 ACRES ±
WELL NO. 1H

LATITUDE 39° 37' 30"

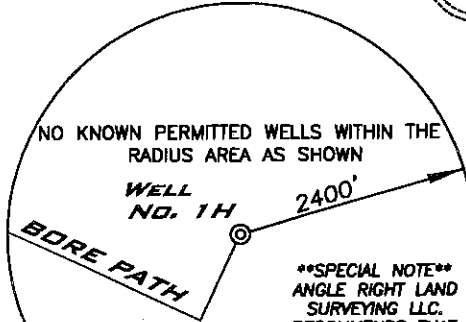
SURFACE HOLE

SURFACE HOLE	TARGET POINT	BOTTOM HOLE
NAD 27	NAD 27	NAD 27
DEC. LAT.) 39.82419	DEC. LAT.) 39.82175	DEC. LAT.) 39.82811
DEC. LONG.) 79.82585	DEC. LONG.) 79.82731	DEC. LONG.) 79.84502
NAD 83	NAD 83	NAD 83
DEC. LAT.) 39.82427	DEC. LAT.) 39.82183	DEC. LAT.) 39.82819
DEC. LONG.) 79.82582	DEC. LONG.) 79.82708	DEC. LONG.) 79.84479
X) 1,964,551	X) 1,964,138	X) 1,959,153
Y) 409,478	Y) 408,592	Y) 410,916

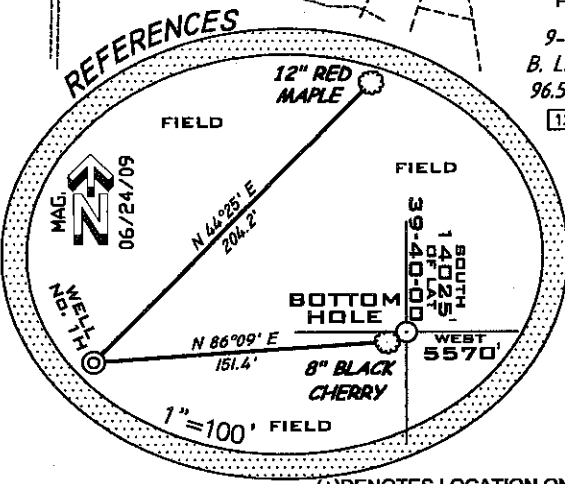


LEGEND
 - - - - - LEASED AREAS
 - - - - - SURFACE TRACTS

NOTE: BORE PATH
BASED ON GRID NORTH.



****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.

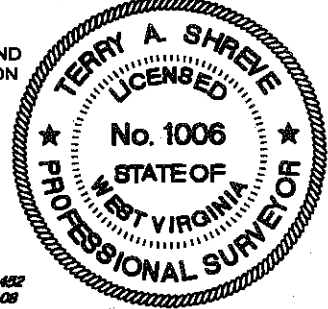
FILE NUMBER W090195 (WB14-39)
 DRAWING NUMBER W090195_1H.dwg
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION SUBMETER MAPPING
GRADE GPS

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*



ANGLE RIGHT
 LAND SURVEYING, LLC.
 GRANTSVILLE, WV 26147 WESTON, WV 26482
 (304) 394-0068 (304) 269-8608



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

DATE: JULY 27, 2009
831320 BRAY LISTON
 OPERATORS WELL NO. NO. 1H
 API WELL NO. 47-077-00515-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, 1214313, 1214304, 1214046, 1272831

SURFACE OWNER BRAY E. LISTON et ux ACREAGE 96.5±
 OIL & GAS ROYALTY OWNER BRAY E. LISTON et ux LEASE ACREAGE 97.5 of 408.08±
 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

03/02/2012