

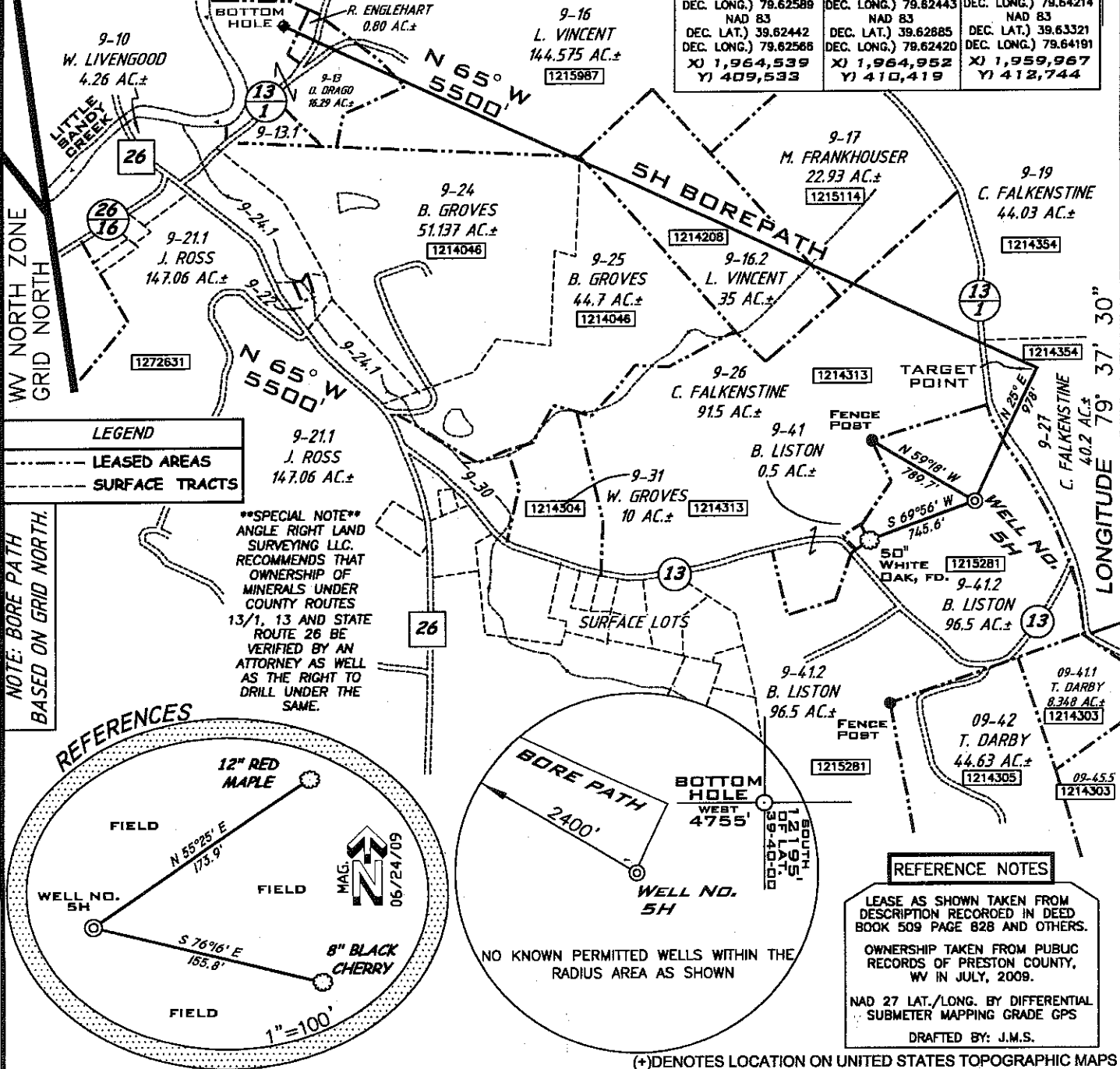
# BRAY LISTON LEASE

96.5 OF 543.632 ACRES ±  
WELL NO. 5H

LATITUDE 39° 37' 30"

SURFACE HOLE

SURFACE HOLE	TARGET POINT 1	BOTTOM HOLE
NAD 27	NAD 27	NAD 27
DEC. LAT.) 39.62434	DEC. LAT.) 39.62577	DEC. LAT.) 39.63313
DEC. LONG.) 79.62589	DEC. LONG.) 79.62443	DEC. LONG.) 79.64214
NAD 83	NAD 83	NAD 83
DEC. LAT.) 39.62442	DEC. LAT.) 39.62885	DEC. LAT.) 39.63321
DEC. LONG.) 79.62566	DEC. LONG.) 79.62420	DEC. LONG.) 79.64191
X) 1,964,539	X) 1,964,952	X) 1,959,967
Y) 409,533	Y) 410,419	Y) 412,744

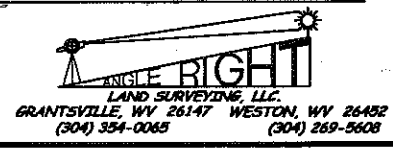
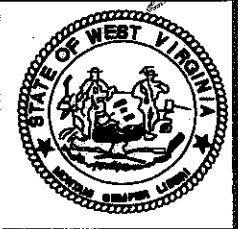


FILE NUMBER W090195 (WB14-39)  
 DRAWING NUMBER W090195\_5H.dwg  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1/200  
 PROVEN SOURCE OF ELEVATION SUBMETER MAPPING GRADE GPS

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*  
 TERRY A. SHREVE  
 LICENSED PROFESSIONAL SURVEYOR  
 No. 1006  
 STATE OF WEST VIRGINIA

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 COUNTY NAME  
 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 OKLAHOMA CITY, OK 73154-0496 ADDRESS P.O. BOX 6070 CHARLESTON, WV 25362

03/02/2012