

240'

LATITUDE 39° 37' 30"

SURFACE HOLE

BRAY LISTON LEASE

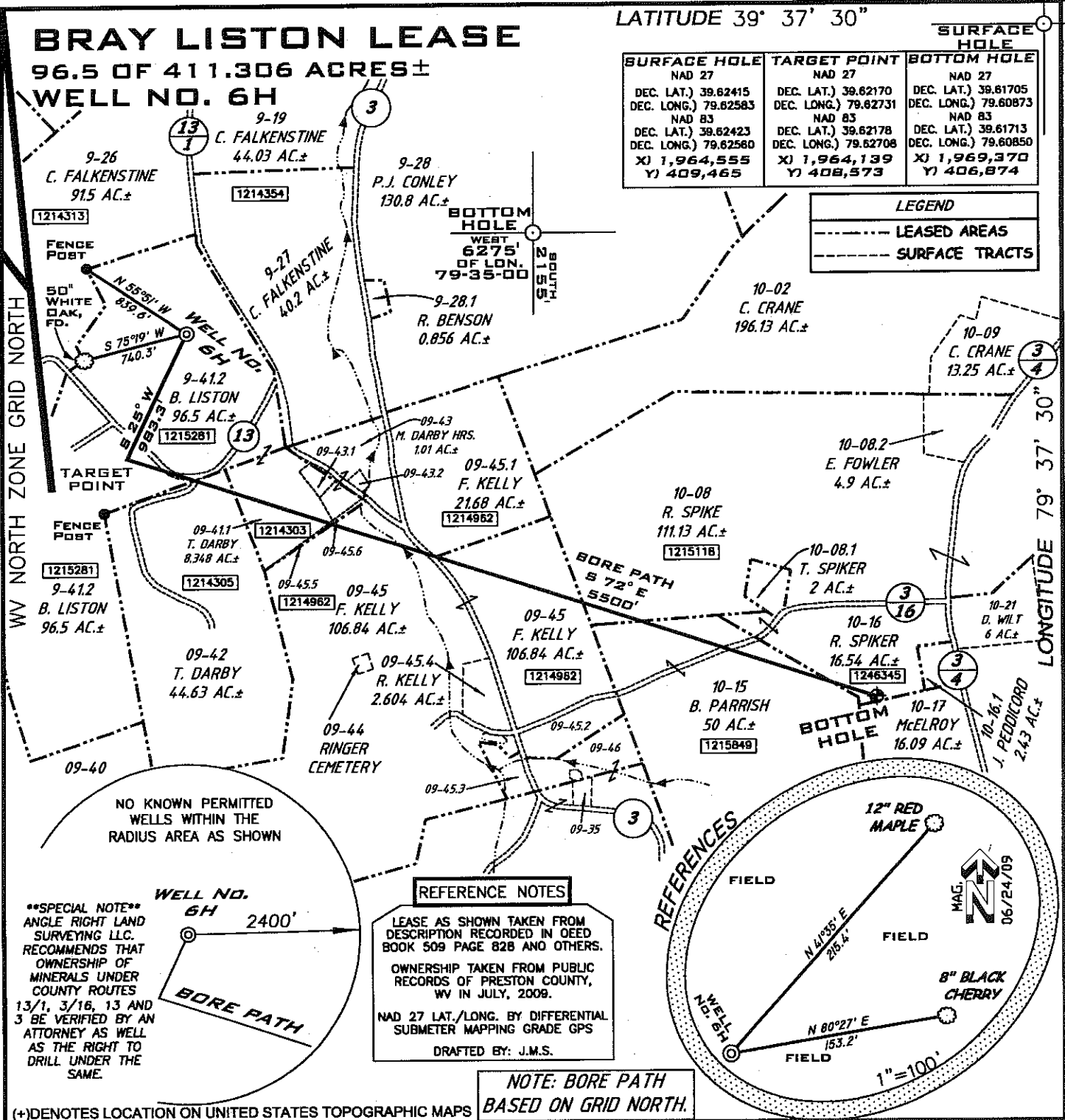
96.5 OF 411.306 ACRES± WELL NO. 6H

SURFACE HOLE	TARGET POINT	BOTTOM HOLE
NAD 27 DEC. LAT.) 39.62415 DEC. LONG.) 79.62583 NAD 83 DEC. LAT.) 39.62423 DEC. LONG.) 79.62580 X) 1,964,555 Y) 409,465	NAD 27 DEC. LAT.) 39.62170 DEC. LONG.) 79.62731 NAD 83 DEC. LAT.) 39.62178 DEC. LONG.) 79.62708 X) 1,964,139 Y) 408,573	NAD 27 DEC. LAT.) 39.61705 DEC. LONG.) 79.60873 NAD 83 DEC. LAT.) 39.61713 DEC. LONG.) 79.60850 X) 1,969,370 Y) 406,874

LEGEND	
---	LEASED AREAS
---	SURFACE TRACTS

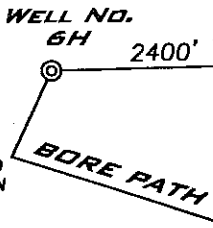
WV NORTH ZONE GRID NORTH

LONGITUDE 79° 37' 30"



NO KNOWN PERMITTED WELLS WITHIN THE RADIUS AREA AS SHOWN

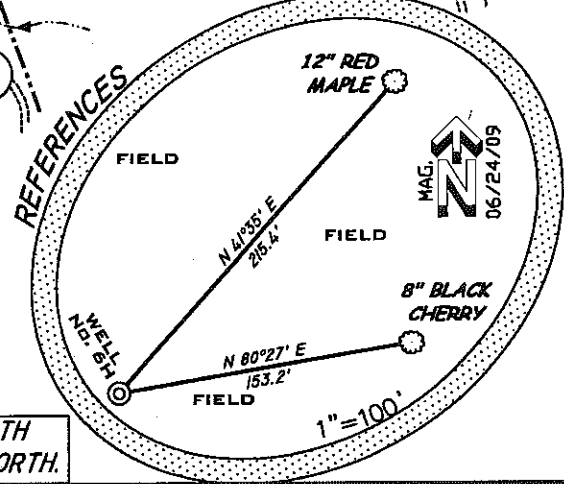
****SPECIAL NOTE****
ANGLE RIGHT LAND SURVEYING LLC. RECOMMENDS THAT OWNERSHIP OF MINERALS UNDER COUNTY ROUTES 13/1, 3/16, 13 AND 3 BE VERIFIED BY AN ATTORNEY AS WELL AS THE RIGHT TO DRILL UNDER THE SAME.



REFERENCE NOTES

LEASE AS SHOWN TAKEN FROM DESCRIPTION RECORDED IN OEDD 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.

NOTE: BORE PATH BASED ON GRID NORTH.



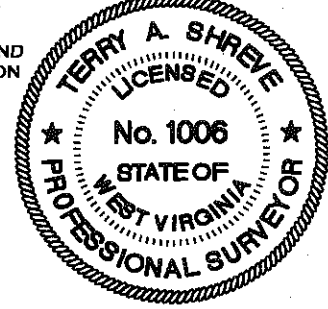
FILE NUMBER W090195
DRAWING NUMBER W090195_6H.dwg
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY 1/200
PROVEN SOURCE OF ELEVATION SUBMETER MAPPING GRADE GPS

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



ANGLE RIGHT LAND SURVEYING, LLC.
GRANTSVILLE, WV 26147 WESTON, WV 26452
(304) 354-0065 (304) 269-5608



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

DATE: JULY 28, 2009
831322 BRAY LISTON
OPERATORS WELL NO. NO. 6H
API WELL NO. 47-077-D0514-H
STATE WV COUNTY PRESTON PERMIT 1215281, 1214305, 1214303, 1214962, 1215118, 1215849, 1246345

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, 1214305, 1214303, 1214962, 1215118, 1215849, 1246345

SURFACE OWNER BRAY E. LISTON et ux ACREAGE 96.5±
OIL & GAS ROYALTY OWNER BRAY E. LISTON et ux LEASE ACREAGE 96.5 of 411.306±

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

FORM: WWS A.R.L.B.