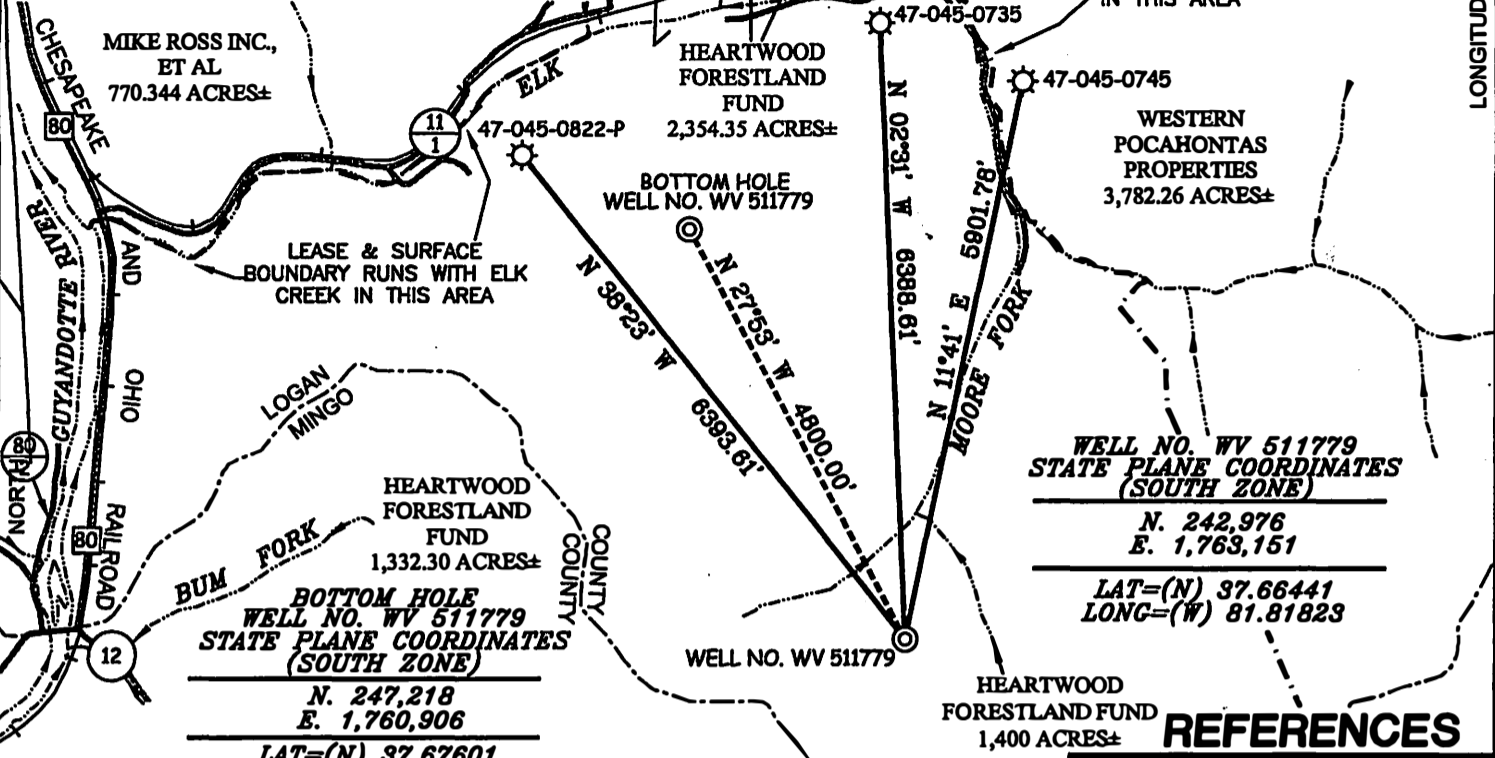


# ELK CREEK COAL LAND COMPANY LEASE

## 7,600 ACRES±

## WELL NO. WV 511779



LEASE & SURFACE BOUNDARY RUNS WITH ELK CREEK AND MOORE FORK IN THIS AREA

LEASE & SURFACE BOUNDARY RUNS WITH ELK CREEK IN THIS AREA

WELL NO. WV 511779 STATE PLANE COORDINATES (SOUTH ZONE)

N. 242,976  
E. 1,763,151

LAT=(N) 37.66441  
LONG=(W) 81.81823

WELL NO. WV 511779 STATE PLANE COORDINATES (SOUTH ZONE)

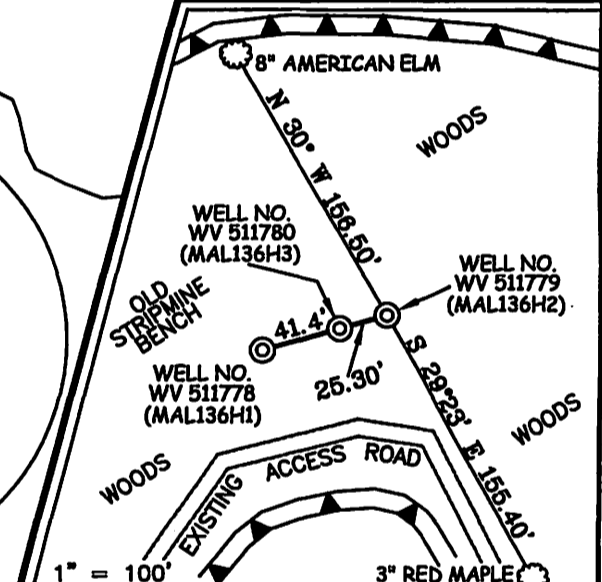
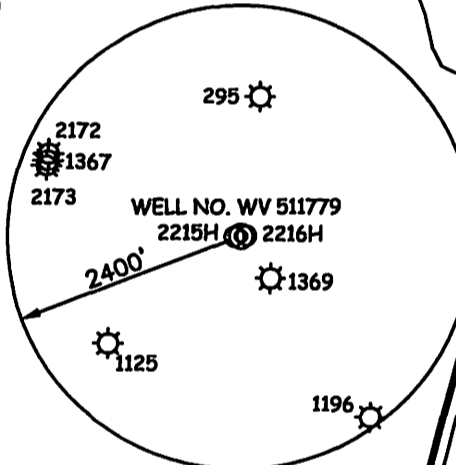
N. 247,218  
E. 1,760,906  
LAT=(N) 37.67601  
LONG=(W) 81.82611

HEARTWOOD FORESTLAND FUND 1,400 ACRES±

### REFERENCES

#### NOTES ON SURVEY

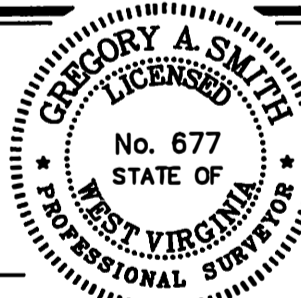
1. TIES TO WELLS AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM SOUTH ZONE NAD '27.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 08/13/08.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 178 PAGE 320.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF LOGAN COUNTY IN JULY, 2008.
5. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).
6. ORIGINAL PLAT DATED 10/27/09 REVISED 12/16/09 TO ROTATE, EXTEND HORIZONTAL LEG & CHANGE BOTTOM HOLE COORDINATES ETC.



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 DIVISION OF ENVIRONMENTAL PROTECTION.

P.S. 677

*Gregory A. Smith*



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

DATE DECEMBER 16, 20 09

OPERATORS WELL NO. WV 511779

API WELL NO. 47-45-023324

**CANCELLED**

MINIMUM DEGREE OF ACCURACY 1/2500 FILE NO. 3944P511779R (265-65 & 289-42)

PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE) SCALE 1" = 2,000'

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



WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  IF "GAS" PRODUCTION  STORAGE  DEEP  SHALLOW

LOCATION: ELEVATION 1,662' WATERSHED MOORE FORK OF ELK CREEK

DISTRICT TRIADELPHIA COUNTY LOGAN QUADRANGLE MALLORY 7.5'

SURFACE OWNER HEARTWOOD FORESTLAND FUND ACREAGE 1,400±

ROYALTY OWNER ISLAND CREEK COAL COMPANY LEASE ACREAGE 7,600±

PROPOSED WORK: LEASE NO. 005658

DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD

FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON  CLEAN OUT AND REPLUG  OTHER

PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ TARGET FORMATION BEREA

ESTIMATED DEPTH 4,060' (TOTAL VERTICAL DEPTH)

WELL OPERATOR EQT PRODUCTION COMPANY

ADDRESS 1710 PENNSYLVANIA AVENUE CHARLESTON, WV 25302

DESIGNATED AGENT REX C. RAY

ADDRESS 1710 PENNSYLVANIA AVENUE CHARLESTON, WV 25302

05/03/2013

COUNTY NAME PERMIT