

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 05/13/10.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM ISLAND CREEK TRACT MAPS (UNITED THACKER MAPS).
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF MINGO COUNTY IN NOVEMBER, 2010.
5. WELL LAT./LONG. ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).  
BOTTOM HOLE WELL NO. WV 513267

# ISLAND CREEK COAL CO. LEASE

## 60,000 ACRES ±

### WELL NO. WV 513267

WELL NO. WV 513267  
STATE PLANE COORDINATES  
SOUTH ZONE (NAD'27)

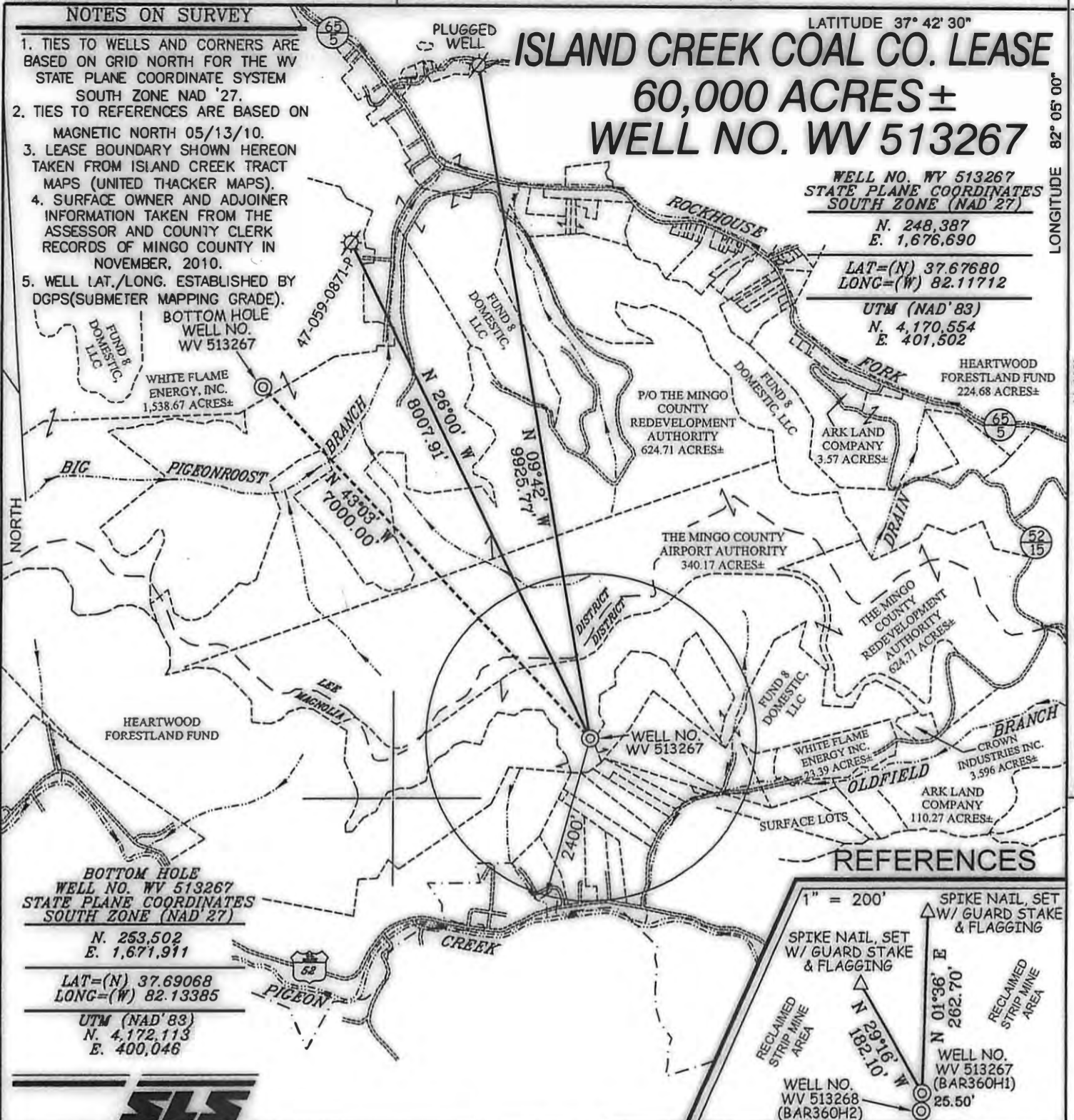
N. 248,387  
E. 1,676,690

LAT=(N) 37.67680  
LONG=(W) 82.11712

UTM (NAD'83)  
N. 4,170,554  
E. 401,502

HEARTWOOD FORESTLAND FUND  
224.68 ACRES±

NORTH



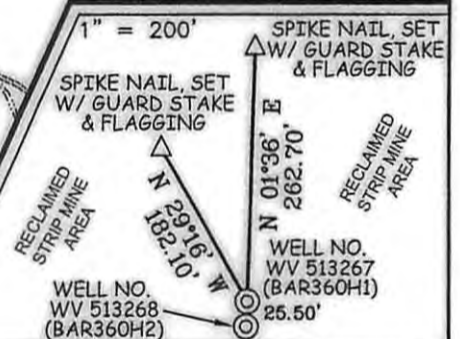
BOTTOM HOLE  
WELL NO. WV 513267  
STATE PLANE COORDINATES  
SOUTH ZONE (NAD'27)

N. 253,502  
E. 1,671,911

LAT=(N) 37.69068  
LONG=(W) 82.13385

UTM (NAD'83)  
N. 4,172,113  
E. 400,046

REFERENCES



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 08, 20 10

OPERATORS WELL NO. WV 513267

API WELL NO. 47-059-02206H  
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 3890P513267 (299-55)

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

**CANCELLED**  
STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROT CTION  
OFFICE OF OIL AND GAS



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

LOCATION: ELEVATION 1,820' WATERSHED OLDFIELD BRANCH OF PIGEON CREEK

DISTRICT MAGNOLIA COUNTY MINGO QUADRANGLE BARNABUS 7.5'

SURFACE OWNER THE MINGO COUNTY REDEVELOPMENT AUTHORITY ACREAGE 624.71±

ROYALTY OWNER ISLAND CREEK CORPORATION LEASE ACREAGE 60.000±

PROPOSED WORK: LEASE NO. 080662

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 LOWER HURON  
ESTIMATED DEPTH 5,240' (TOTAL VERTICAL DEPTH)

WELL OPERATOR EQT PRODUCTION COMPANY DESIGNATED AGENT REX C. RAY  
ADDRESS 1710 PENNSYLVANIA AVENUE ADDRESS 1710 PENNSYLVANIA AVENUE  
CHARLESTON, WV 25302 CHARLESTON, WV 25302

COUNTY NAME

PERMIT

07/26/2013