

NOTES ON SURVEY

1. TIES TO WELLS AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PL NE COORDINATE SYSTEM SOUTH ZONE NAD '27.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 08/03/10.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM IS ND 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).

# ISLAND CREEK COAL CO. LEASE

## 60,000 ACRES ±

### WELL NO. WV 513280

WELL NO. WV 513280  
STATE PL NE COORDINATES  
SOUTH ZONE (NAD'27)

N. 248,237  
E. 1,674,130

LAT=(N) 37.67630  
LONG=(W) 82.12596

UTM (NAD'83)  
N. 4,170,508  
E. 400,722

WHITE FLAME  
ENERGY, INC.  
1,538.67 ACRES±

HEARTWOOD  
FORESTLAND FUND  
224.68 ACRES±

P/O THE MINGO  
COUNTY  
REDEVELOPMENT  
AUTHORITY  
624.71 ACRES±

ARK LAND  
COMPANY  
3.57 ACRES±

THE MINGO COUNTY  
AIRPORT AUTHORITY  
340.17 ACRES±

THE MINGO  
COUNTY  
REDEVELOPMENT  
AUTHORITY  
624.71 ACRES±

WHITE FLAME  
ENERGY INC.  
23.39 ACRES±

ARK LAND  
COMPANY  
110.27 ACRES±

**BOTTOM HOLE**  
WELL NO. WV 513280  
STATE PLANE COORDINATES  
SOUTH ZONE (NAD'27)

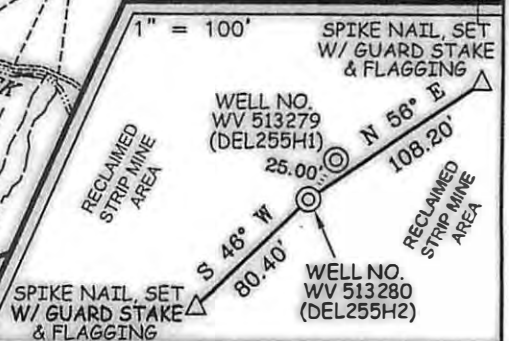
N. 246,344  
E. 1,676,056

LAT=(N) 37.67116  
LONG=(W) 82.11923

UTM (NAD'83)  
N. 4,169,932  
E. 401,309

- A- HEARTWOOD FORESTLAND FUND (39.30 AC.±)
- B- ROBERT N. HUFF SR. ET UX (5 AC.±)
- C- EVERETT E. HANNAH ET UX (3.6 AC.±)
- D- ROBERT N. HUFF SR. ET UX (18.47 AC.±)

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 21, 20 10

OPERATORS WELL NO. WV 513280

API WELL NO. 47 - 059 - 022224  
STATE COUNTY PERMIT

**CANCELLED**

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



MINIMUM DEGREE OF ACCURACY 1/2500 FILE NO. 3890P513280 (311-37)  
PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE) SCALE 1" = 2,000'

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

LOCATION: ELEVATION 1,850' WATERSHED PIGEON CREEK

DISTRICT MAGNOLIA COUNTY MINGO QUADRANGLE DELBARTON

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 5,260' (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

07/26/2013

COUNTY NAME PERMIT