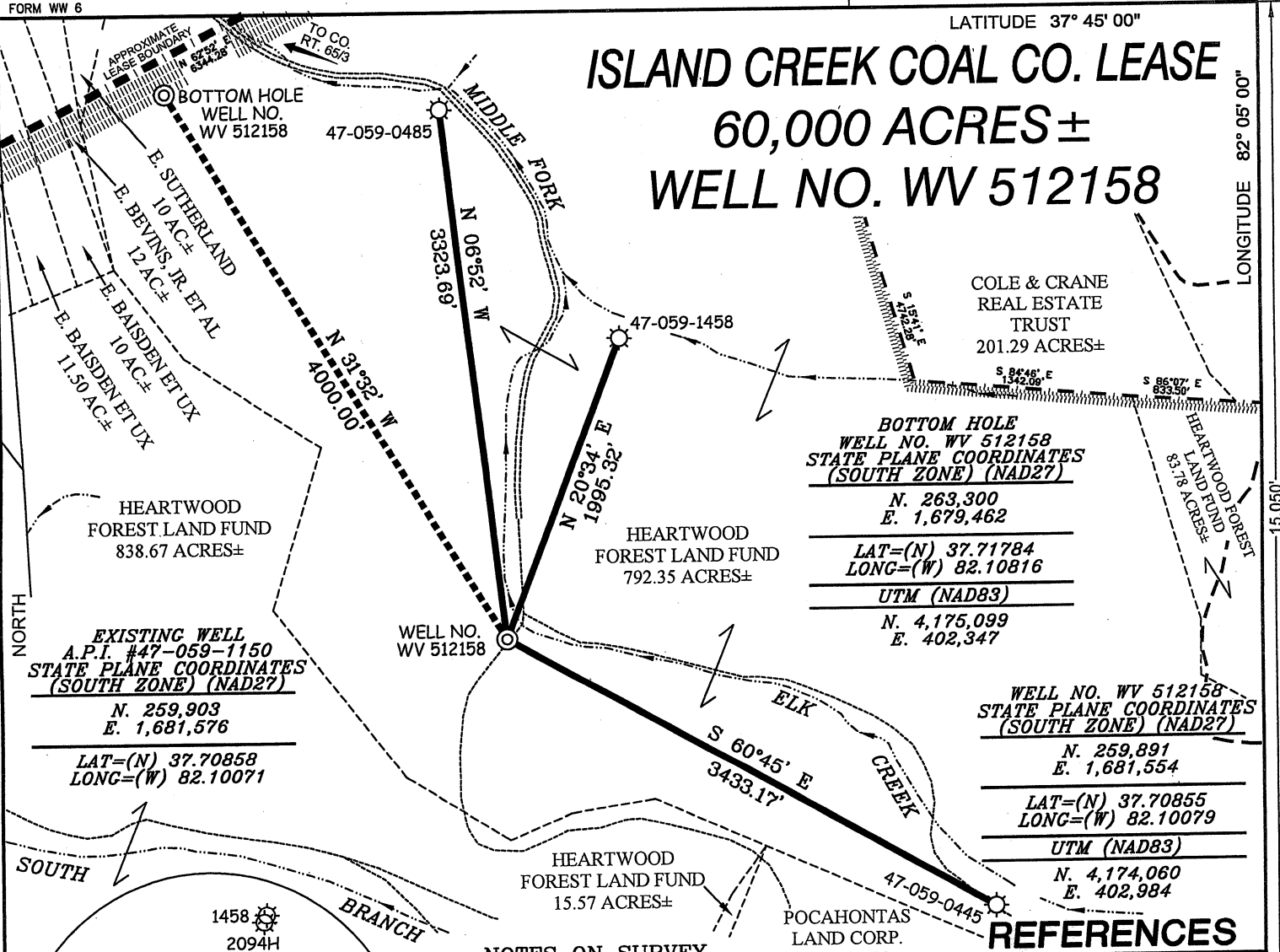


# ISLAND CREEK COAL CO. LEASE 60,000 ACRES ± WELL NO. WV 512158



COLE & CRANE  
REAL ESTATE  
TRUST  
201.29 ACRES±

**BOTTOM HOLE**  
WELL NO. WV 512158  
STATE PLANE COORDINATES  
(SOUTH ZONE) (NAD27)

N. 263,300  
E. 1,679,462

LAT=(N) 37.71784  
LONG=(W) 82.10816

UTM (NAD83)

N. 4,175,099  
E. 402,347

**WELL NO. WV 512158**  
STATE PLANE COORDINATES  
(SOUTH ZONE) (NAD27)

N. 259,891  
E. 1,681,554

LAT=(N) 37.70855  
LONG=(W) 82.10079

UTM (NAD83)

N. 4,174,060  
E. 402,984

WELL NO.  
WV 512158

**EXISTING WELL**  
A.P.I. #47-059-1150  
STATE PLANE COORDINATES  
(SOUTH ZONE) (NAD27)

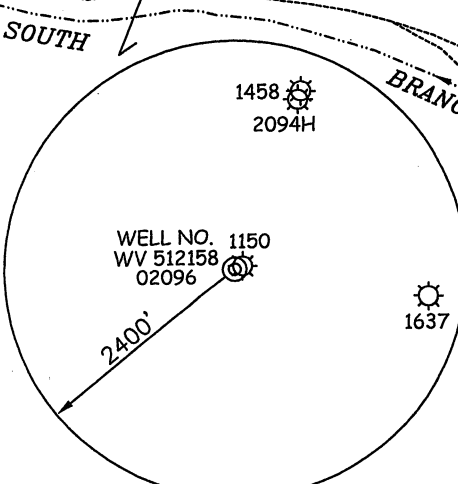
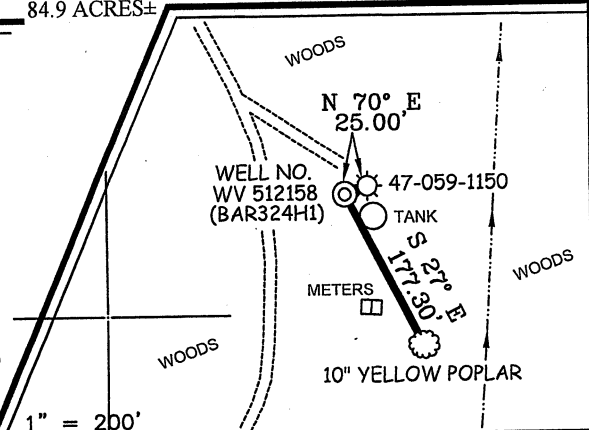
N. 259,903  
E. 1,681,576

LAT=(N) 37.70858  
LONG=(W) 82.10071

## REFERENCES

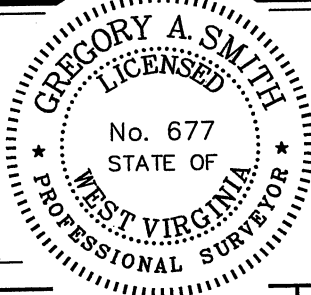
### NOTES ON SURVEY

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 06/04/09.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 211 PAGE 435 & DEED BOOK 92 PAGE 370.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF MINGO COUNTY IN APRIL, 2009.
5. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).
6. ORIGINAL PLAT DATED 07/07/09 REVISED 05/10/10 TO EXTEND HORIZONTAL LEG, CHANGE BOTTOM HOLE COORDINATES AND ADD UTM 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 MAY 10, 20 10  
OPERATORS WELL NO. WV 512158  
API WELL NO. 47-059-02096H  
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/2500 FILE NO. 3890P512158R (276-72)  
PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE) SCALE 1" = 1000'

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 1,307' WATERSHED MIDDLE FORK OF ELK CREEK  
DISTRICT LEE COUNTY MINGO QUADRANGLE BARNABUS 7.5'

SURFACE OWNER HEARTWOOD FORESTLAND FUND ACREAGE 792.35±  
ROYALTY OWNER ISLAND CREEK COAL 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 4,730' (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

02/03/2012