

ISLAND CREEK COAL COMPANY LEASE

60,000 ACRES ±

WELL NO. WV 507196

BOTTOM HOLE
WELL NO. WV 507196
STATE PLANE COORDINATES
SOUTH ZONE (NAD 27)

N. 299,897
E. 1,687,392

LAT=(N) 37.81860
LONG=(W) 82.08222

UTM (NAD 83)
N. 4,186,251
E. 404,762

LONGITUDE 82° 02' 30"

10,410'



HEARTWOOD FORESTLAND FUND
24,588.40 ACRES ±

WELL NO. WV 507196

S 77°00' E
9950.86'

BOTTOM HOLE
WELL NO. WV 507196
STATE PLANE COORDINATES
SOUTH ZONE (NAD 27)

N. 294,785
E. 1,692,174

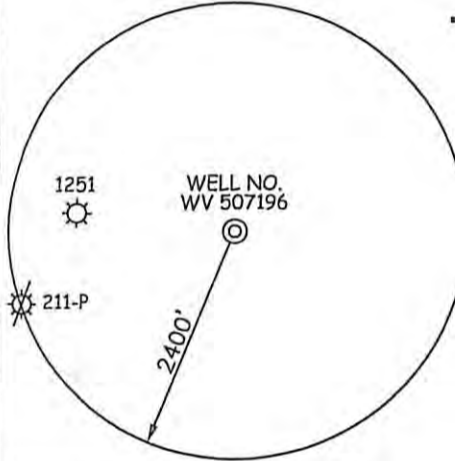
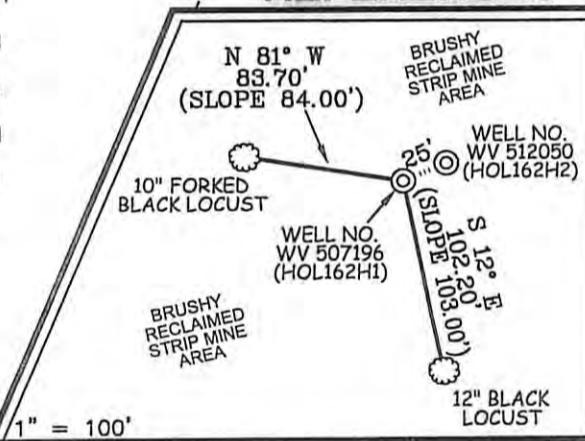
LAT=(N) 37.80471
LONG=(W) 82.06547

UTM (NAD 83)
N. 4,184,693
E. 406,219

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 04/27/10.
3. LEASE BOUNDARY DOES NOT APPEAR WITHIN THE SCOPE OF THIS PLAT.
4. SURFACE OWNER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF LOGAN COUNTY IN SEPTEMBER, 2009.
5. WELL LAT./LONG. ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).
6. TAX MAPS & OTHER SOURCES INDICATE NUMEROUS SMALL LOTS LOCATED ALONG TRACE FORK AND WHITMAN CREEK.
7. ORIGINAL PLAT DATED 11/17/09 REVISED 01/08/10 NOW VOID. WELL MOVED 04/27/10 NORTHEAST 118' ±.

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 MAY 03, 20 10
 OPERATORS WELL NO. WV 507196
 API WELL NO. 47 - 045 - 02345
 STATE West Virginia COUNTY Logan PERMIT Revised

MINIMUM DEGREE OF ACCURACY 1/2500 FILE NO. 3890P507196RM (299-41)
 PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE) SCALE 1" = 2000'

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 1,619' WATERSHED TRACE FORK OF COPPERAS MINE FORK
 DISTRICT ISLAND CREEK COUNTY LOGAN QUADRANGLE HOLDEN 7.5'
 SURFACE OWNER HEARTWOOD FORESTLAND FUND ACREAGE 24,588.40 ± & 439.227 ±
 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 4,850' (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