

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 08/03/10.
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).

ISLAND CREEK COAL CO. LEASE

60,000 ACRES ±

WELL NO. WV 513279

WELL NO. WV 513279
STATE PLANE COORDINATES
SOUTH ZONE (NAD '27)

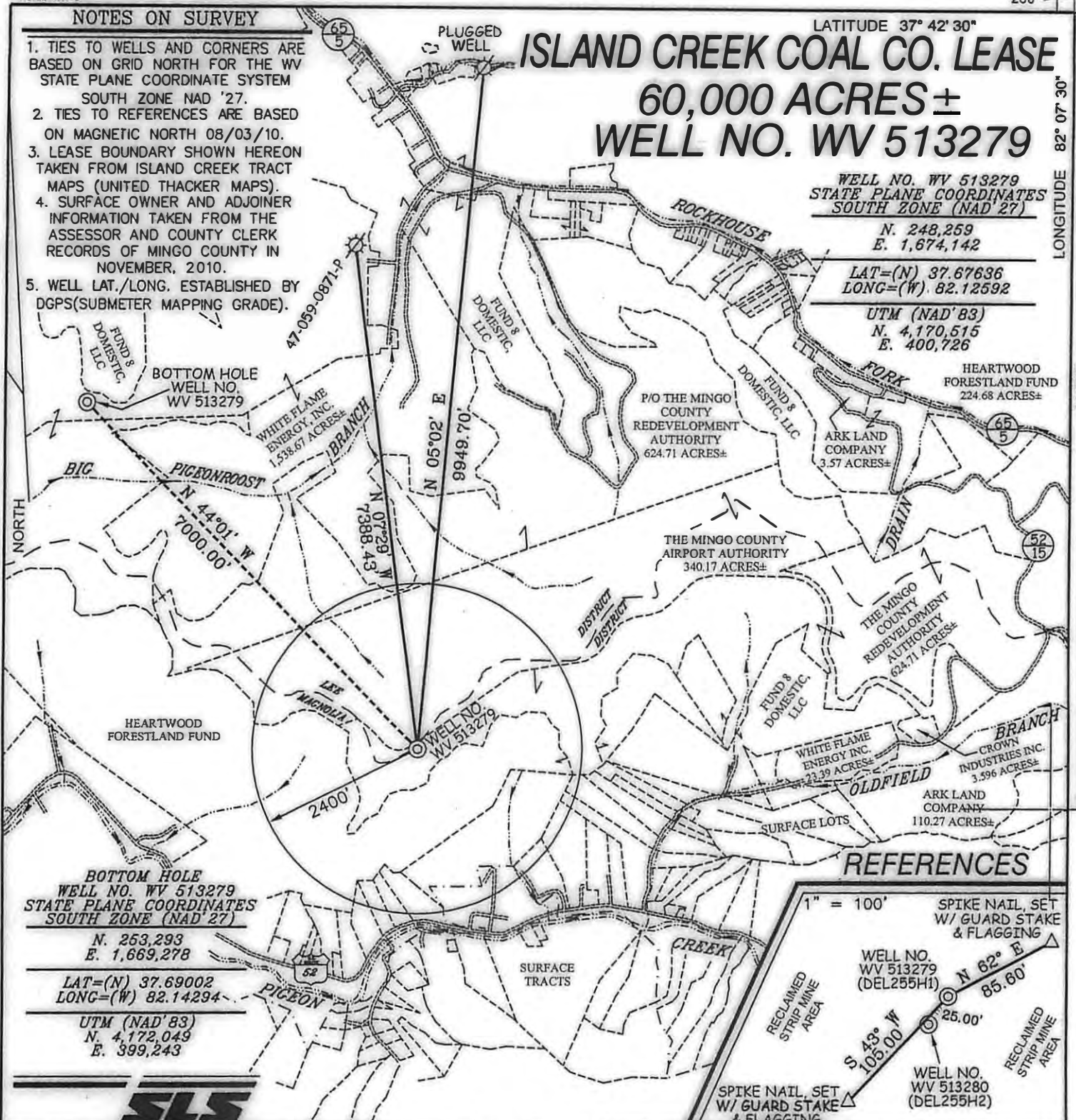
N. 248,259
E. 1,674,142

LAT=(N) 37.67636
LONG=(W) 82.12592

UTM (NAD'83)
N. 4,170,515
E. 400,726

LONGITUDE 82° 07' 30"

11,640'



BOTTOM HOLE
WELL NO. WV 513279
STATE PLANE COORDINATES
SOUTH ZONE (NAD '27)

N. 253,293
E. 1,669,278

LAT=(N) 37.69002
LONG=(W) 82.14294

UTM (NAD'83)
N. 4,172,049
E. 399,243

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 513279
API WELL NO. 47 - 059 - 022124
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. 3890P513279 (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 DESIGNATED AGENT REX C. RAY
ADDRESS 1710 PENNSYLVANIA AVENUE ADDRESS 1710 PENNSYLVANIA AVENUE
CHARLESTON, WV 25302 CHARLESTON, WV 25302

07/26/2013

COUNTY NAME

PERMIT