

# CARNEGIE NATURAL GAS COMPANY LEASE (POCA CARNEGIE) 38,753.36 ACRES ± WELL NO. WV 511851

## 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 05/20/09.
3. LEASE AND TRACT BOUNDARY SHOWN HEREON TAKEN FROM POCAHONTAS LAND CORPORATION MAPPING AND DEED BOOK G AT PAGE 432.
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. SURFACE MINING ACTIVITIES HAVE DESTROYED SURFACE BOUNDARY CORNERS/LINE EVIDENCE NEAR PROPOSED WELL.
7. ORIGINAL PLAT DATED 06/22/09 REVISED 12/22/09 TO EXTEND & ROTATE HORIZONTAL LEG & CHANGE BOTTOM HOLE COORDINATES, ETC.

**BOTTOM HOLE**  
WELL NO. WV 511851  
STATE PLANE COORDINATES  
(SOUTH ZONE)

N. 222,841  
E. 1,724,063

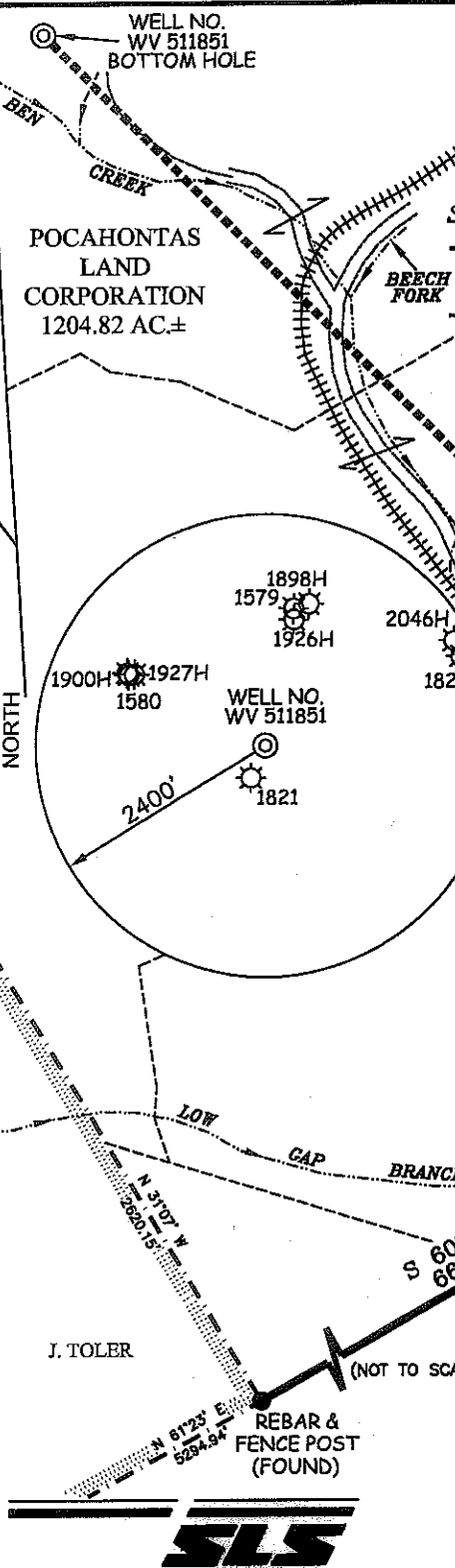
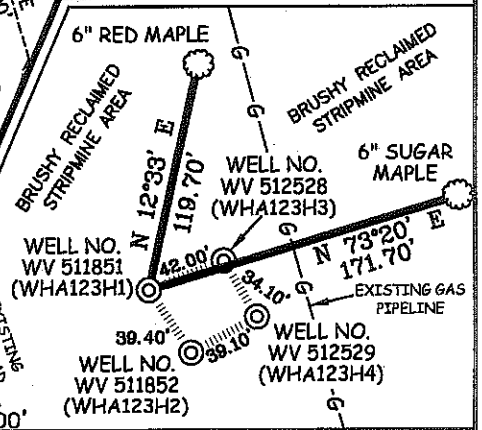
LAT=(N) 37.60809  
LONG=(W) 81.95254

**WELL NO. WV 511851**  
STATE PLANE COORDINATES  
(SOUTH ZONE)

N. 217,875  
E. 1,728,997

LAT=(N) 37.59459  
LONG=(W) 81.93534

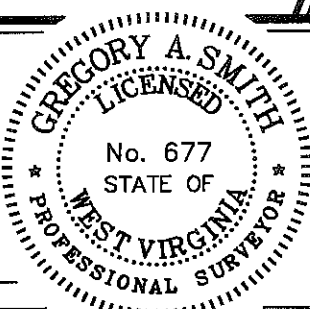
## REFERENCES



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 09

OPERATORS WELL NO. WV 511851

API WELL NO. 47-059 *Revised 02/10/2012*

**CANCELLED** PERMIT

MINIMUM DEGREE OF ACCURACY 1/2500 FILE NO. 4672P511851R (276-63)

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

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 1,624' WATERSHED LAUREL FORK OF BEN CREEK

DISTRICT STAFFORD COUNTY MINGO QUADRANGLE WHARNCLIFFE 7.5'

SURFACE OWNER POCAHONTAS LAND CORPORATION & HERNSHAW PARTNERS, LLC ACREAGE 541.73 ± & 99 ±

ROYALTY OWNER PENN VIRGINIA OIL & GAS CORPORATION LEASE ACREAGE 38,753.36 ±

PROPOSED WORK: LEASE NO. 717459

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 5,330' (TOTAL VERTICAL DEPTH)

WELL OPERATOR EQT PRODUCTION COMPANY

DESIGNATED AGENT REX C. RAY

ADDRESS 1710 PENNSYLVANIA AVENUE  
CHARLESTON, WV 25302

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CHARLESTON, WV 25302

02/10/2012