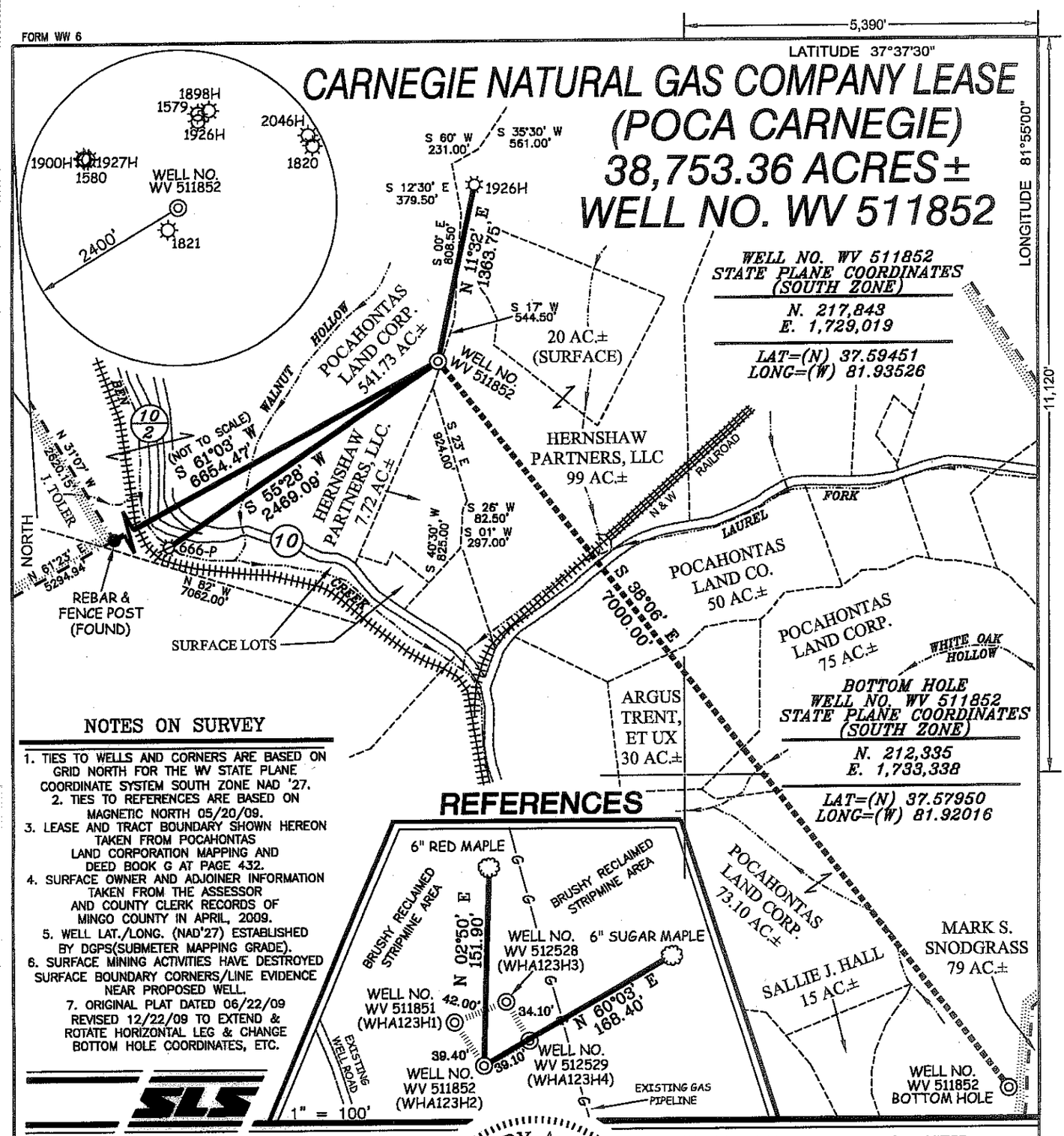
FORM WW 6

CARNEGIE NATURAL GAS COMPANY LEASE (POCA CARNEGIE) 38,753.36 ACRES± WELL NO. WV 511852



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.

SLS

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

GREGORY A. SMITH LICENSED No. 677 STATE OF WEST VIRGINIA PROFESSIONAL SURVEYOR

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

DATE DECEMBER 22, 20 09

OPERATORS WELL NO. WV 511852

API WELL NO. 47 — 059 — 02123H (STATE COUNTY PERMIT)

Revised

CANCELLED

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 4672P511852R (276-63)

SCALE 1" = 1,000'

PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE)

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

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

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 X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X 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)

COUNTY NAME

PERMIT

WELL OPERATOR EQT PRODUCTION COMPANY DESIGNATED AGENT REX C. RAY
ADDRESS 1710 PENNSYLVANIA AVENUE ADDRESS 1710 PENNSYLVANIA AVENUE
CHARLESTON, WV 25302 CHARLESTON, WV 25302

02/10/2012