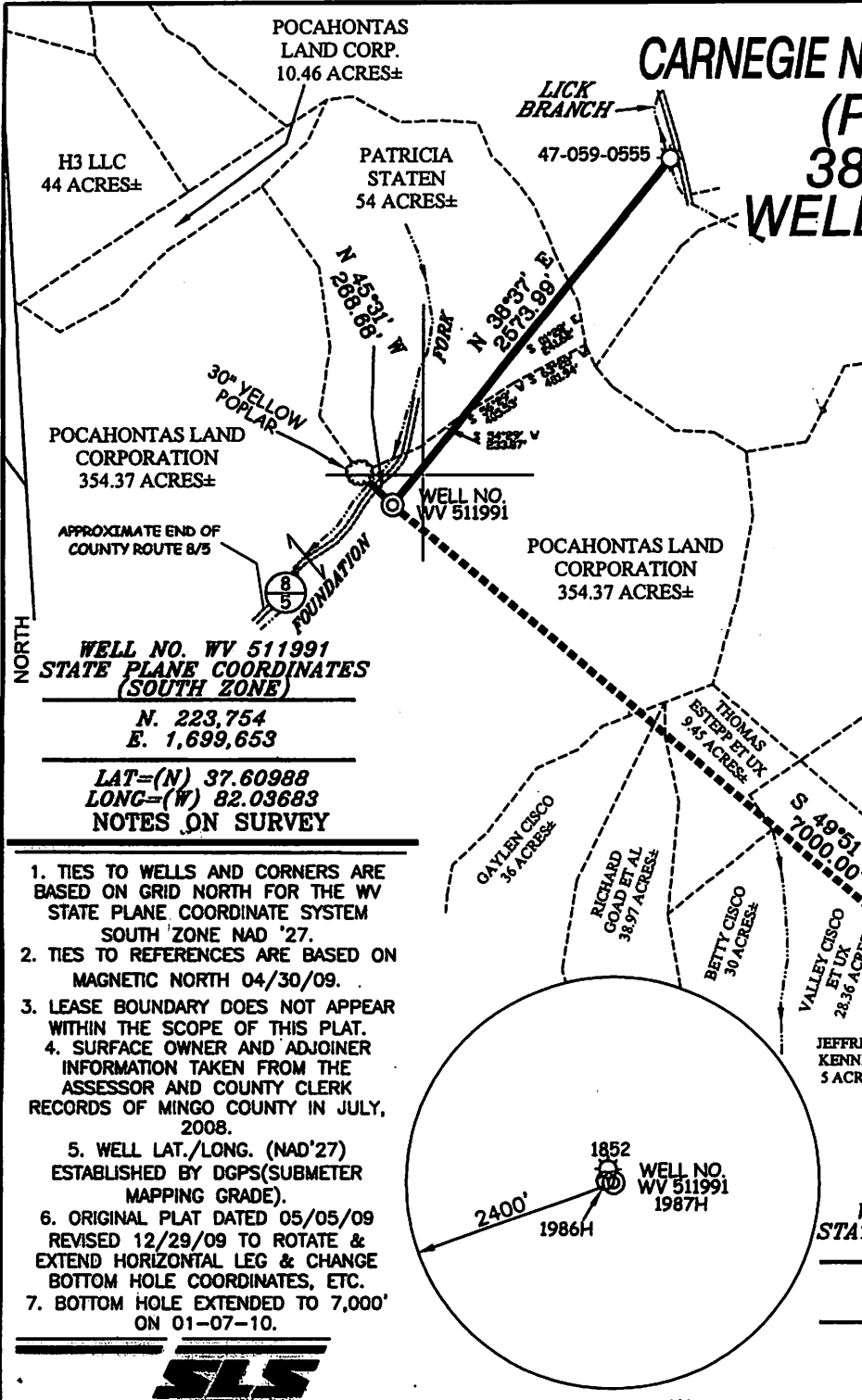
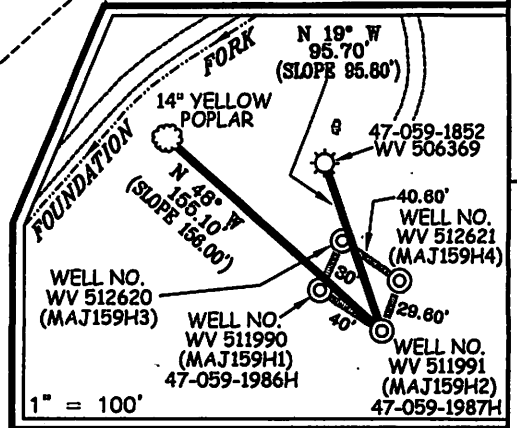


CARNEGIE NATURAL GAS CO. LEASE (POCA-CARNEGIE) 38,753.66 ACRES± WELL NO. WV 511991

REFERENCES



**WELL NO. WV 511991
STATE PLANE COORDINATES
(SOUTH ZONE)**

N. 223,754
E. 1,699,653

LAT=(N) 37.60988
LONG=(W) 82.03683

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 04/30/09.
3. LEASE BOUNDARY DOES NOT APPEAR WITHIN THE SCOPE OF THIS PLAT.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF MINGO COUNTY IN JULY, 2008.
5. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS (SUBMETER MAPPING GRADE).
6. ORIGINAL PLAT DATED 05/05/09 REVISED 12/29/09 TO ROTATE & EXTEND HORIZONTAL LEG & CHANGE BOTTOM HOLE COORDINATES, ETC.
7. BOTTOM HOLE EXTENDED TO 7,000' ON 01-07-10.

**EXISTING WELL
A.P.I. #47-059-1852
STATE PLANE COORDINATES
(SOUTH ZONE)**

N. 223,841
E. 1,699,611

LAT=(N) 37.61012
LONG=(W) 82.03698

**BOTTOM HOLE
WELL NO. WV 511991
STATE PLANE COORDINATES
(SOUTH ZONE)**

N. 219,240
E. 1,705,003

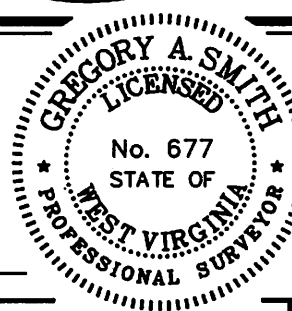
LAT=(N) 37.59765
LONG=(W) 82.01819



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 JANUARY 07, 20 10

OPERATORS WELL NO. WV 511991

API WELL NO. 47-059-02200H
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/2500 FILE NO. 4672P511991R2 (265-75)
PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE) SCALE 1" = 1000'

CANCELLED
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 1,380' WATERSHED FOUNDATION FORK OF BEECH CREEK
DISTRICT MAGNOLIA COUNTY MINGO QUADRANGLE MAJESTIC 7.5'

SURFACE OWNER POCAHONTAS LAND CORPORATION ACREAGE 354.37±
ROYALTY OWNER PENN VIRGINIA OIL & GAS LEASE ACREAGE 38,753.66
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 4,940' (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