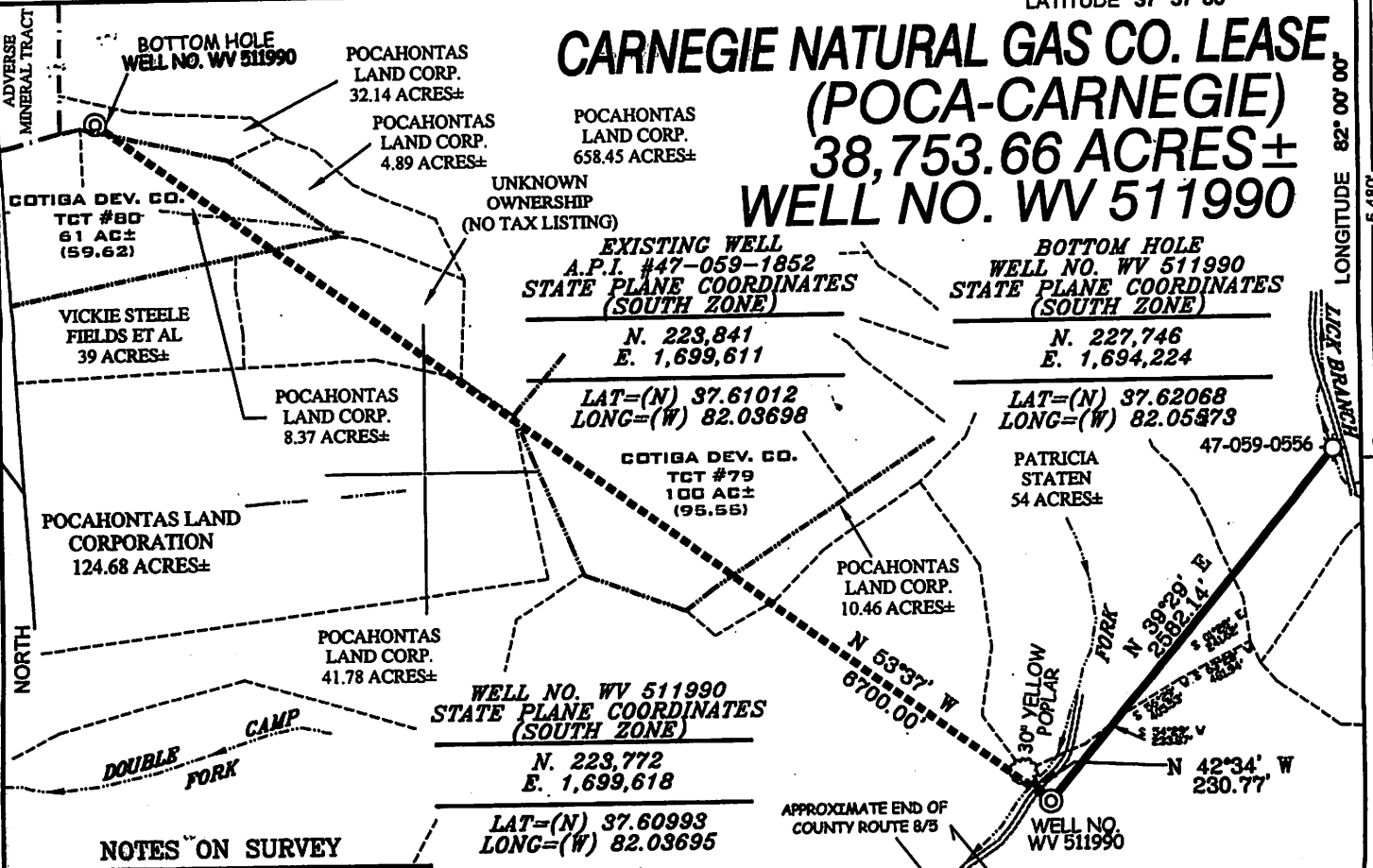
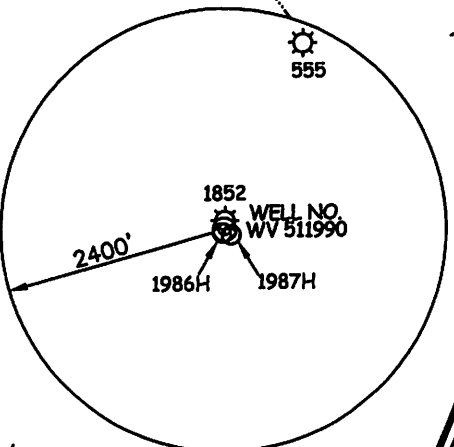


CARNEGIE NATURAL GAS CO. LEASE (POCA-CARNEGIE) 38,753.66 ACRES± WELL NO. WV 511990



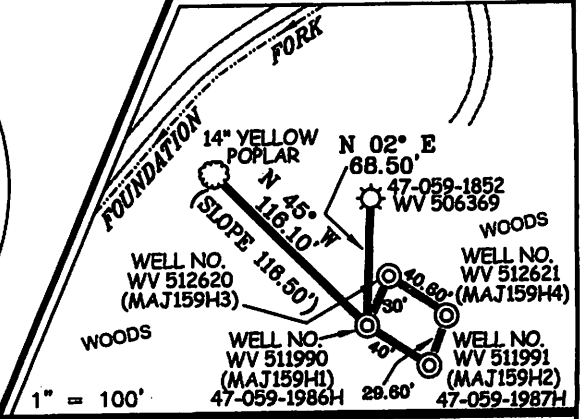
NOTES ON SURVEY

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 08/20/08.
3. LEASE BOUNDARY TAKEN FROM POCAHONTAS LAND CORPORATION MAPPING SHEETS 4 & 5.
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 02/24/10 TO ROTATE & EXTEND HORIZONTAL LEG & CHANGE BOTTOM HOLE COORDINATES, ETC.



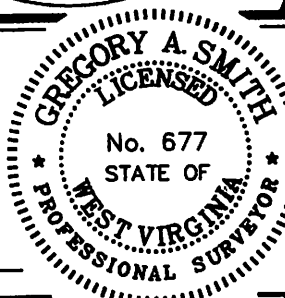
APPROXIMATE END OF COUNTY ROUTE 8/5

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 30, 20 09
 OPERATORS WELL NO. WV 511990
 API WELL NO. 47-059-02199H
 STATE CANDELA COUNTY MAJESTIC PERMIT 717459

MINIMUM DEGREE OF ACCURACY 1/2500 FILE NO. 4672P511990R (265-75)
 PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE) SCALE 1" = 1000'

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 (38,753.66) & COTIGA DEVELOPMENT COMPANY (100 & 61 Ac.)
 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