

CARNEGIE NATURAL GAS COMPANY LEASE (POCA-CARNEGIE)

38,753.36 ACRES± WELL NO. WV 511984

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 10/29/08.
3. COTIGA TCT #79 BOUNDARY TAKEN FROM DEED BOOK "N" PAGE 385 AND POCAHONTAS LAND CORPORATION MAPPING.
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 11/12/08 REVISED 03/19/10 TO EXTEND HORIZONTAL LEG & CHANGE BOTTOM HOLE COORDINATES, ETC.

WELL NO. WV 511984
BOTTOM HOLE
STATE PLANE COORDINATES (SOUTH ZONE)

N. 232,460
E. 1,692,380

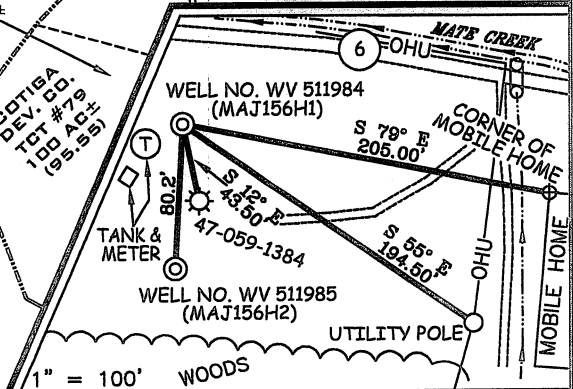
LAT=(N) 37.63356
LONG=(W) 82.06228

WELL NO. WV 511984
STATE PLANE COORDINATES (SOUTH ZONE)

N. 227,849
E. 1,697,646

LAT=(N) 37.62106
LONG=(W) 82.04392

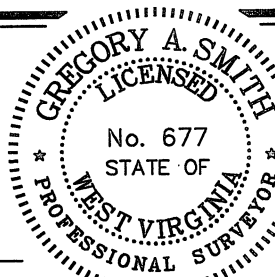
REFERENCES



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 MARCH 19, 2010

OPERATORS WELL NO. WV 511984

API WELL NO. 47-059-01995H
STATE COUNTY PERMIT

CANCELLED

MINIMUM DEGREE OF ACCURACY 1/2500
PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE)
FILE NO. 4672P511984MR (265-73 & 269-56)
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 1,332' WATERSHED MATE CREEK
DISTRICT MAGNOLIA COUNTY MINGO QUADRANGLE MAJESTIC 7.5'

SURFACE OWNER POCAHONTAS LAND CORPORATION ACREAGE 658.45±
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 4,870' (TOTAL VERTICAL DEPTH)

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