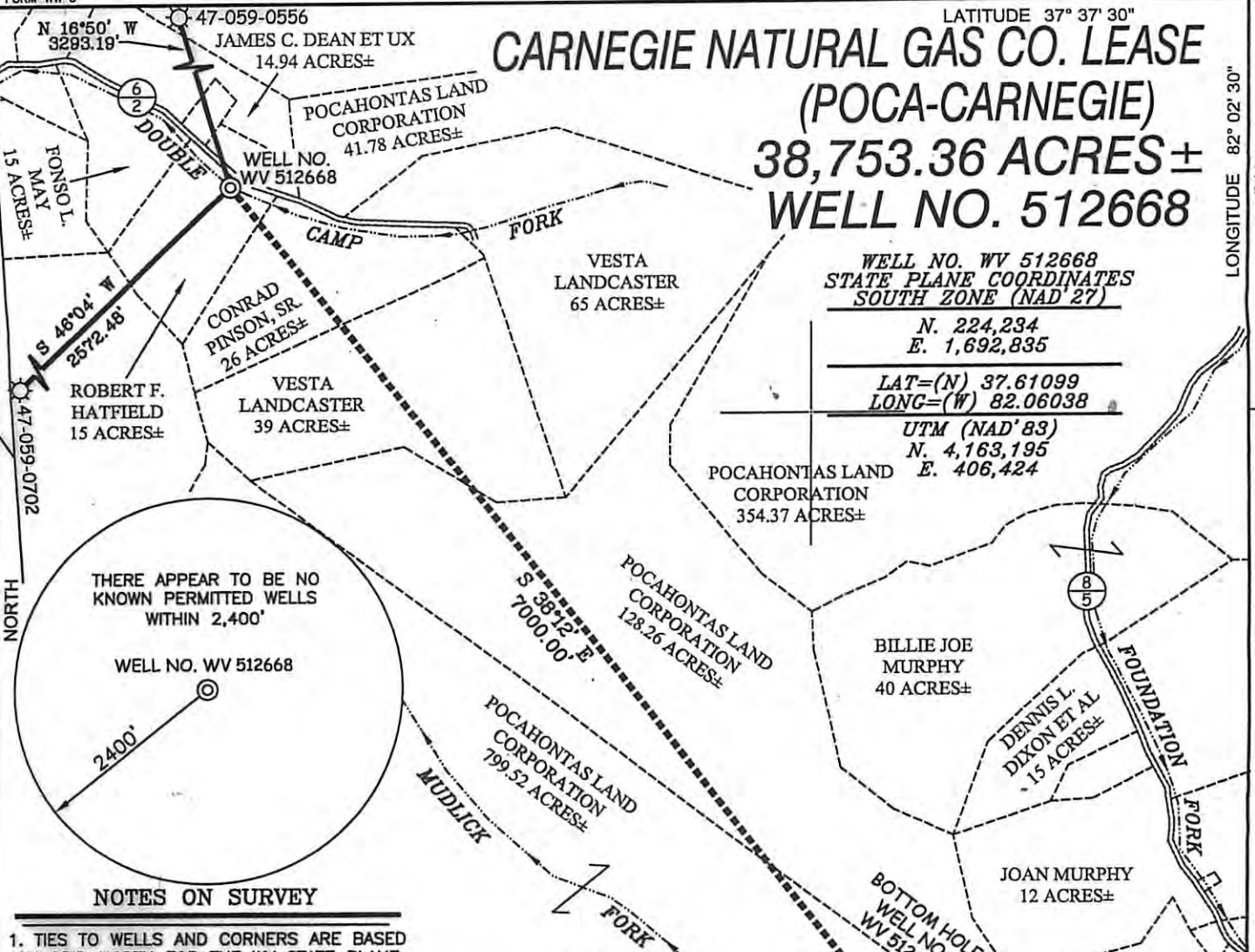


CARNEGIE NATURAL GAS CO. LEASE (POCA-CARNEGIE) 38,753.36 ACRES± WELL NO. 512668

LONGITUDE 82° 02' 30"



WELL NO. WV 512668
STATE PLANE COORDINATES
SOUTH ZONE (NAD '27)

N. 224,234
E. 1,692,835

LAT=(N) 37.61099
LONG=(W) 82.06038

UTM (NAD'83)
N. 4,163,195
E. 406,424

THERE APPEAR TO BE NO KNOWN PERMITTED WELLS WITHIN 2,400'

WELL NO. WV 512668

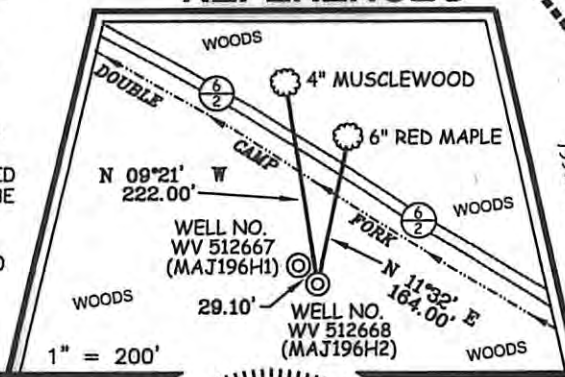


NOTES ON SURVEY

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 03/12/10.
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, 2010. DUE TO POOR DEED DESCRIPTIONS SURFACE TRACTS CAN NOT BE MAPPED WITH ANY CERTAINTY AND ARE SHOWN FOR REFERENCE ONLY.
5. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).



REFERENCES



BOTTOM HOLE
WELL NO. WV 512668
STATE PLANE COORDINATES
SOUTH ZONE (NAD '27)

N. 218,733
E. 1,697,165

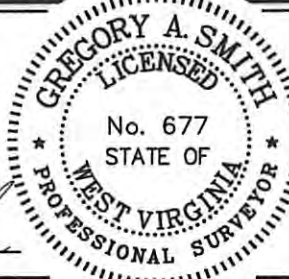
LAT=(N) 37.59602
LONG=(W) 82.04523

UTM (NAD'83)
N. 4,161,519
E. 407,743

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 OCTOBER 19, 20 10

OPERATORS WELL NO. WV 512668

API WELL NO. 47-059-02197H

STATE CANCELLED COUNTY CANCELLED PERMIT

MINIMUM DEGREE OF ACCURACY 1/2500 FILE NO. 4672P512668 (299-05)
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 1403' WATERSHED DOUBLE CAMP FORK OF MATE CREEK
DISTRICT MAGNOLIA COUNTY MINGO QUADRANGLE MAJESTIC 7.5'
SURFACE OWNER ROBERT HATFIELD ACREAGE 15 +/-
ROYALTY OWNER PENN VIRGINIA OIL & GAS CORP. LEASE ACREAGE 38,753.36 +/-
PROPOSED WORK:
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 4,880' (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

COUNTY NAME PERMIT