

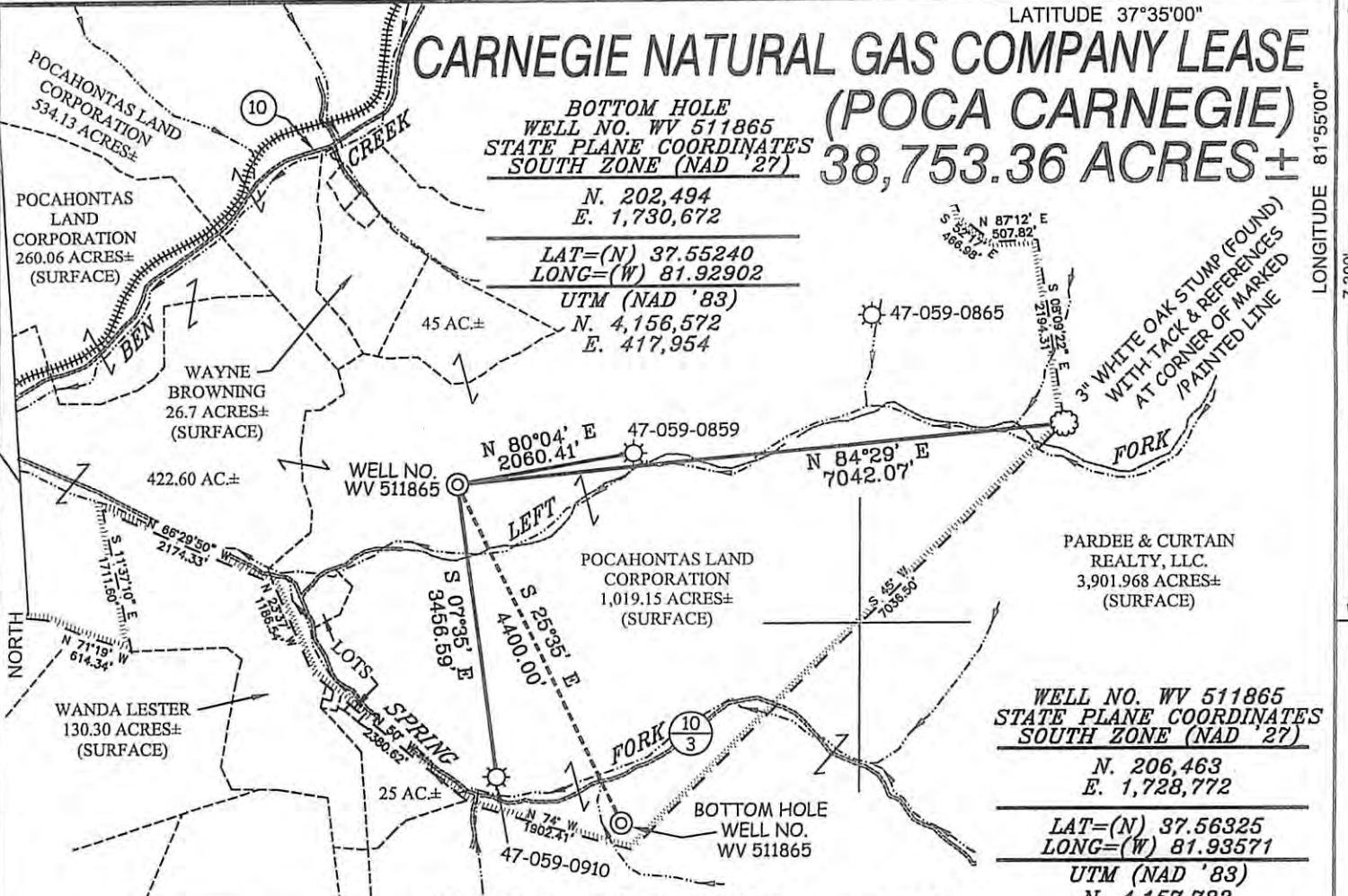
CARNEGIE NATURAL GAS COMPANY LEASE (POCA CARNEGIE) 38,753.36 ACRES±

BOTTOM HOLE
WELL NO. WV 511865
STATE PLANE COORDINATES
SOUTH ZONE (NAD '27)

N. 202,494
E. 1,730,672

LAT=(N) 37.55240
LONG=(W) 81.92902

UTM (NAD '83)
N. 4,156,572
E. 417,954



WELL NO. WV 511865
STATE PLANE COORDINATES
SOUTH ZONE (NAD '27)

N. 206,463
E. 1,728,772

LAT=(N) 37.56325
LONG=(W) 81.93571

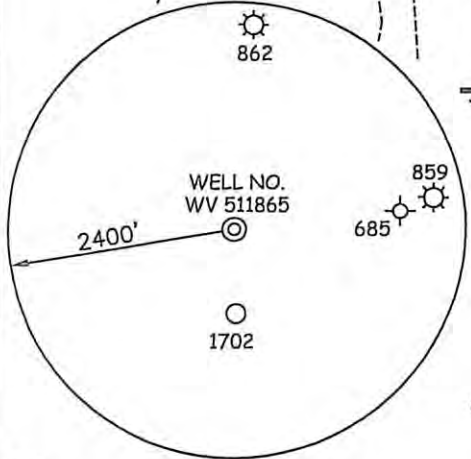
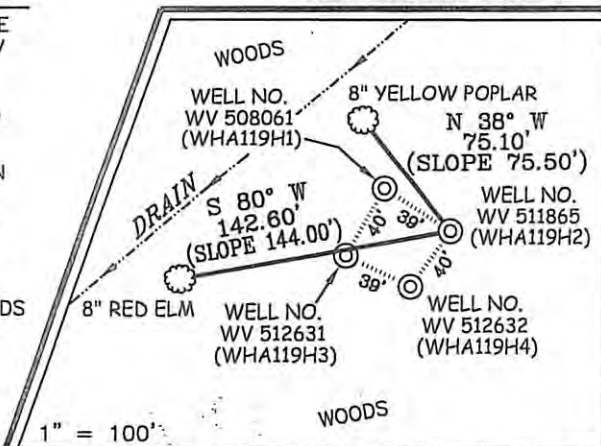
UTM (NAD '83)
N. 4,157,782
E. 417,375

WELL NO. WV 511865

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 09/03/09.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM POCAHONTAS LAND CORPORATION MAPPING SHEETS 14, 15 & 18.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF MINGO COUNTY IN JULY, 2009.
5. WELL LAT./LONG. (NAD '27) ESTABLISHED BY DGPS (SUBMETER MAPPING GRADE).

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.



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE JUNE 02, 20 10

OPERATORS WELL NO. WV 511865

API WELL NO. 47-059-02158H
STATE CANCELLED COUNTY PERMIT

P.S. 677

Gregory A. Smith

MINIMUM DEGREE OF ACCURACY 1/2500 FILE NO. 4672P511865 (283-67)
PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE) SCALE 1" = 2000'

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 1,311' WATERSHED LEFT FORK OF SPRING FORK OF BEN CREEK
DISTRICT STAFFORD COUNTY MINGO QUADRANGLE WHARNCLIFFE 7.5'

SURFACE OWNER POCAHONTAS LAND CORPORATION ACREAGE 1,019.15±
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 5,120' (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