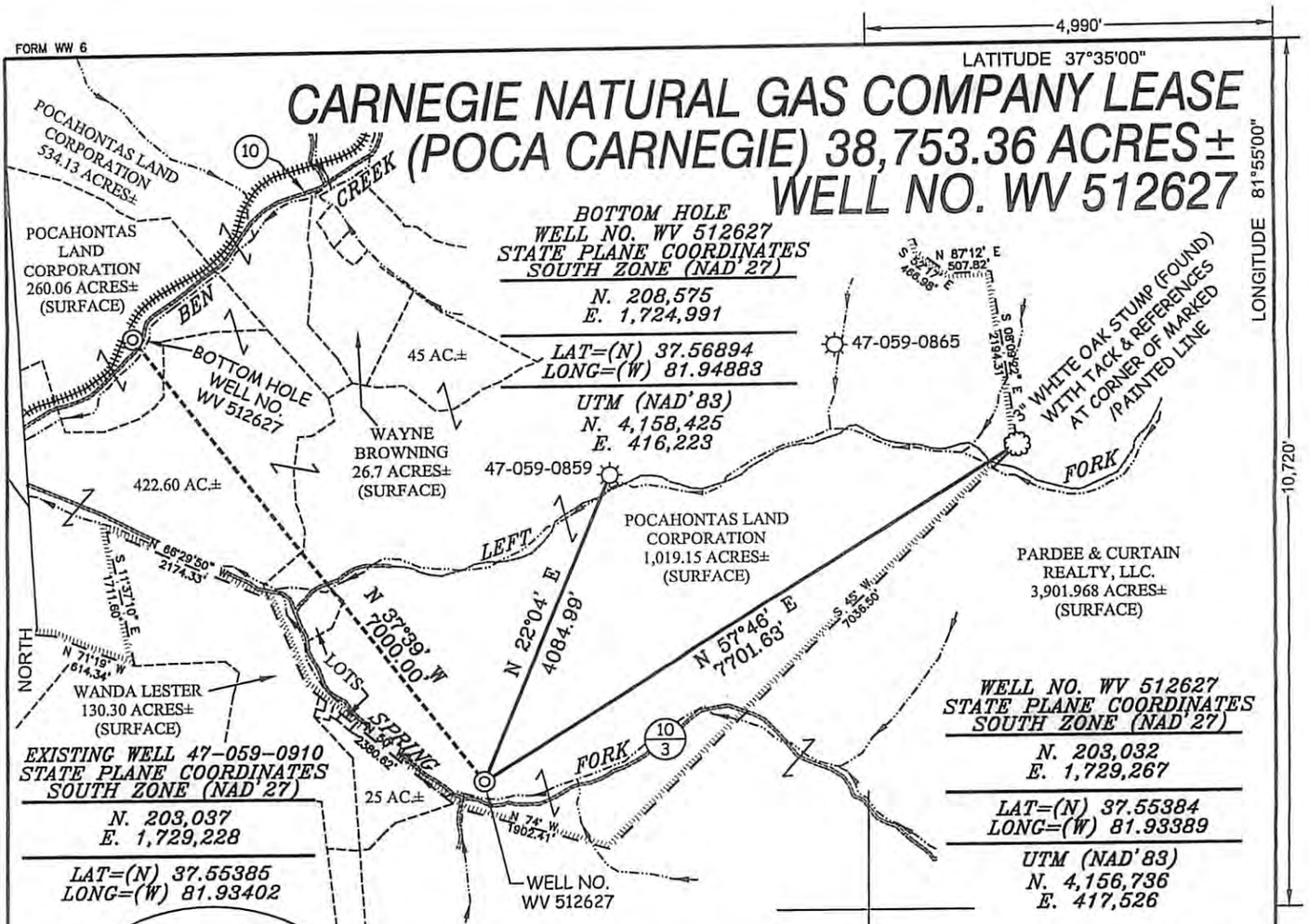
FORM WW 6

CARNEGIE NATURAL GAS COMPANY LEASE (POCA CARNEGIE) 38,753.36 ACRES± WELL NO. WV 512627



BOTTOM HOLE
WELL NO. WV 512627
STATE PLANE COORDINATES
SOUTH ZONE (NAD'27)
N. 208,575
E. 1,724,991

LAT=(N) 37.56894
LONG=(W) 81.94883

UTM (NAD'83)
N. 4,158,425
E. 416,223

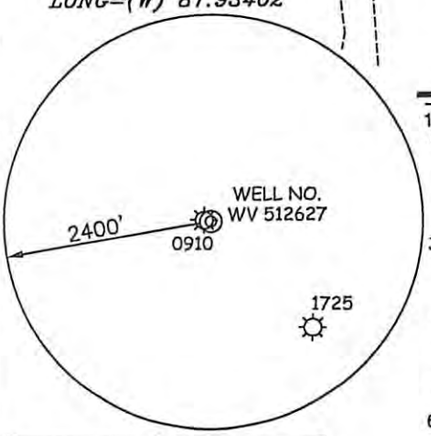
EXISTING WELL 47-059-0910
STATE PLANE COORDINATES
SOUTH ZONE (NAD'27)
N. 203,037
E. 1,729,228

LAT=(N) 37.55385
LONG=(W) 81.93402

WELL NO. WV 512627
STATE PLANE COORDINATES
SOUTH ZONE (NAD'27)
N. 203,032
E. 1,729,267

LAT=(N) 37.55384
LONG=(W) 81.93389

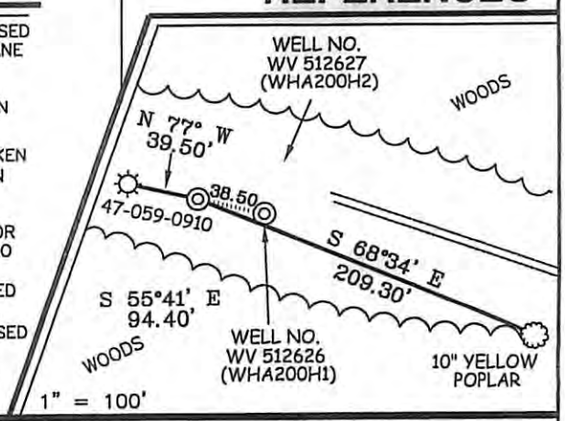
UTM (NAD'83)
N. 4,156,736
E. 417,526



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 03/11/10.
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, 2010.
5. WELL LAT./LONG. (NAD'27)ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).
6. ORIGINAL PLAT DATED 06/02/10 REVISED 11/10/10 TO MOVE WELL STAKE ON LOCATION & CHANGE TOP & BOTTOM HOLE COORDINATES, ETC.

REFERENCES



SLS

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

GREGORY A. SMITH LICENSED No. 677 STATE OF WEST VIRGINIA PROFESSIONAL SURVEYOR

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

DATE NOVEMBER 10 , 20 10

OPERATORS WELL NO. WV 512627

API WELL NO. 47 — 059 — 02161H
STATE COUNTY PERMIT

CANCELLED

MINIMUM DEGREE OF ACCURACY 1 / 2500

PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE)

FILE NO. 4672P512627R2 (311-64)

SCALE 1" = 2000'

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

WELL TYPE : OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___ IF "GAS" PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X

LOCATION :
ELEVATION 1,161' WATERSHED 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 X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___ OTHER ___
PHYSICAL CHANGE IN WELL (SPECIFY) ___ TARGET FORMATION LOWER HURON / SILTSTONE
ESTIMATED DEPTH 4,670' (TOTAL VERTICAL DEPTH)

COUNTY NAME

PERMIT

WELL OPERATOR EQT PRODUCTION COMPANY
ADDRESS 1710 PENNSYLVANIA AVENUE
CHARLESTON, WV 25302

DESIGNATED AGENT REX C. RAY
ADDRESS 1710 PENNSYLVANIA AVENUE
CHARLESTON, WV 25302

11/16/2012