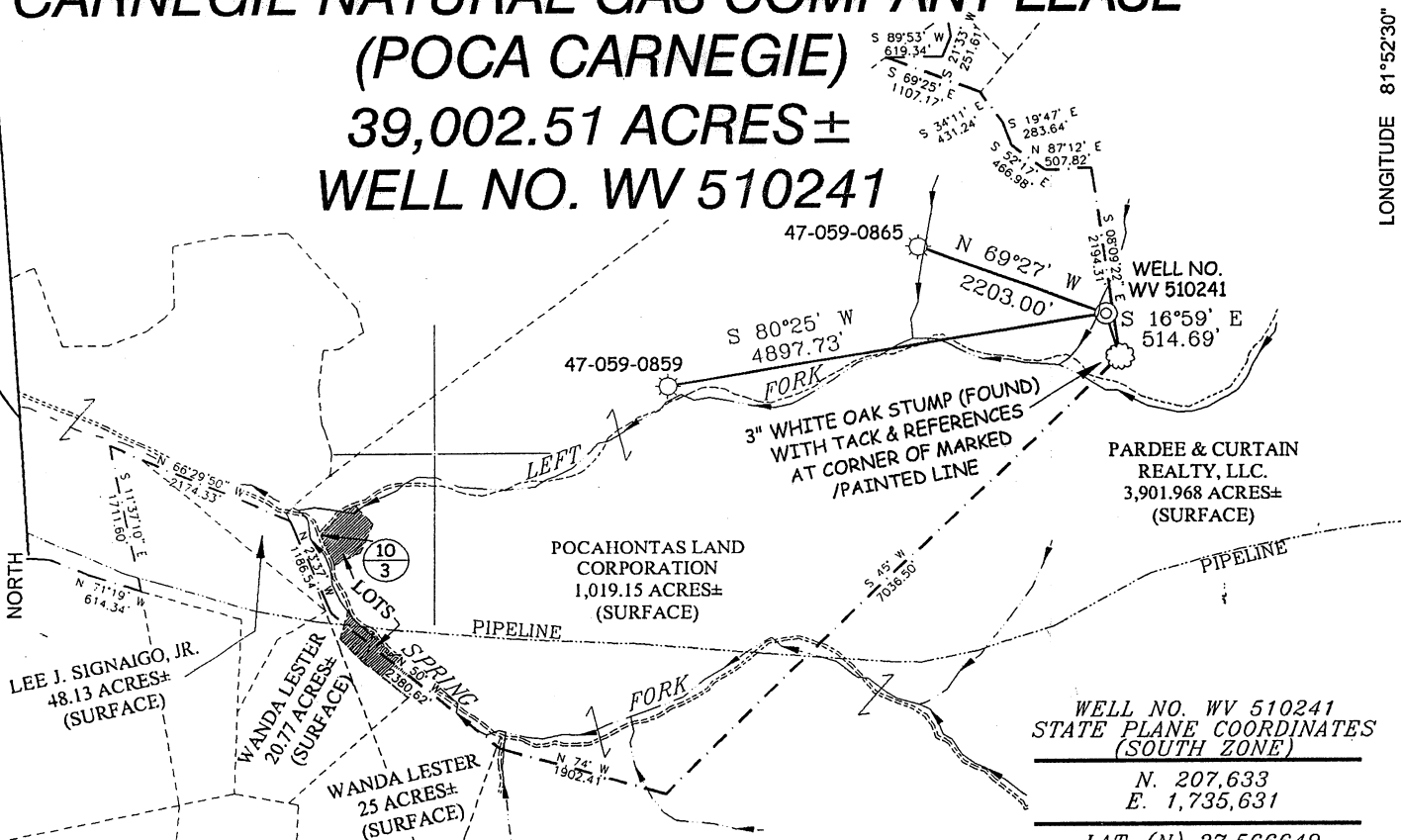


10,720'

LATITUDE 37°35'00"

LONGITUDE 81°52'30"

# CARNEGIE NATURAL GAS COMPANY LEASE (POCA CARNEGIE) 39,002.51 ACRES± WELL NO. WV 510241

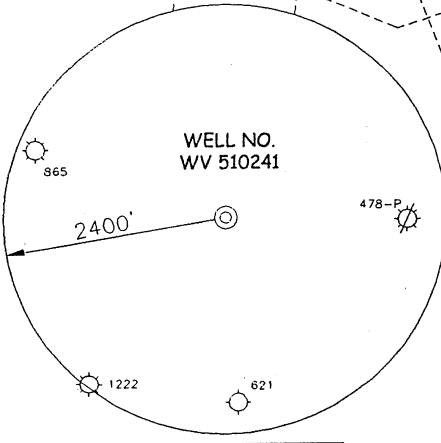
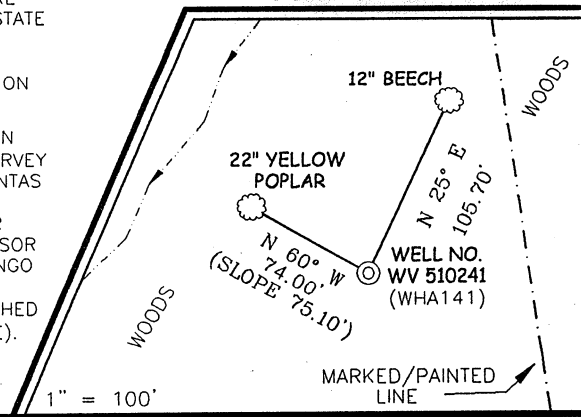


WELL NO. WV 510241  
STATE PLANE COORDINATES  
(SOUTH ZONE)  
N. 207,633  
E. 1,735,631  
LAT=(N) 37.566649  
LONG=(W) 81.912093

**NOTES ON SURVEY**

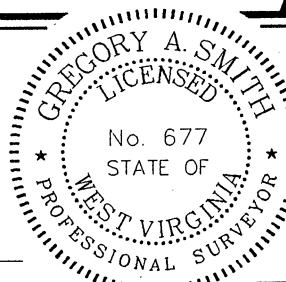
1. TIES TO WELLS AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM SOUTH ZONE NAD'27.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 07/22/04.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM BOUNDARY MAPS AND SURVEY INFORMATION OBTAINED FROM POCAHONTAS LAND CORPORATION.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF MINGO COUNTY IN JULY, 2004.
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.

P.S. 677 Gregory A. Smith



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
DATE DECEMBER 7, 20 04  
OPERATORS WELL NO. WV 510241  
API WELL NO. 47-059-01696  
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 4672P510241 (173-07)  
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 1,337' 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 39,002.51±  
PROPOSED WORK: LEASE NO. WV 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 DEVONIAN SHALE  
ESTIMATED DEPTH 5,650'

WELL OPERATOR EQUITABLE PRODUCTION COMPANY DESIGNATED AGENT STEPHEN G. PERDUE  
ADDRESS 1710 PENNSYLVANIA AVENUE ADDRESS 1710 PENNSYLVANIA AVENUE  
CHARLESTON, WV 25302 CHARLESTON, WV 25302