

# CARNEGIE NATURAL GAS CO. LEASE (POCA-CARNEGIE) 38,753.60 ACRES± WELL NO. WV 512574

LATITUDE 37°35'00"

WELL NO. WV 512574  
STATE PLANE COORDINATES  
(SOUTH ZONE)

N. 203,447  
E. 1,705,464

LAT=(N) 37.55429  
LONG=(W) 82.01600

EXISTING WELL 47-059-1477  
STATE PLANE COORDINATES  
(SOUTH ZONE)

N. 203,428  
E. 1,705,425

LAT=(N) 37.55424  
LONG=(W) 82.01614

POCAHONTAS LAND CORPORATION  
1486.37 ACRES±

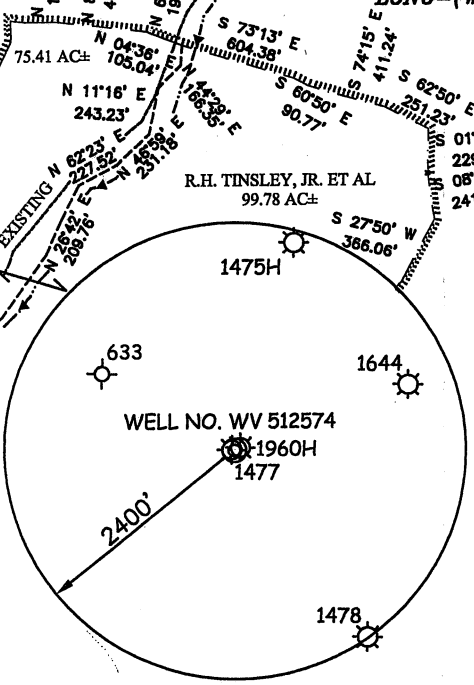
HICKORY GAP PARTNERSHIP  
4228.37 ACRES±

WELL NO. WV 512574  
BOTTOM HOLE  
STATE PLANE COORDINATES  
(SOUTH ZONE)

N. 201,639  
E. 1,708,343

LAT=(N) 37.54941  
LONG=(W) 82.00601

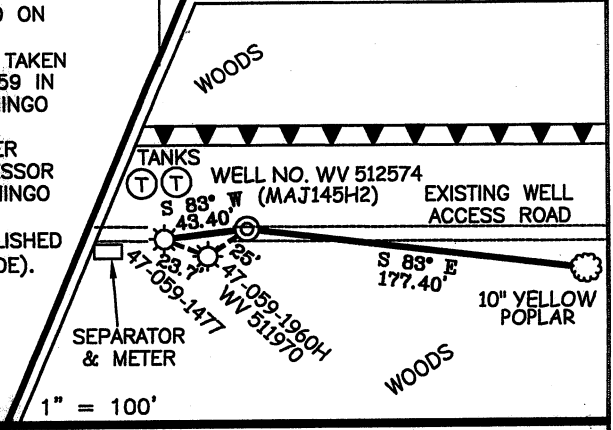
NORTH



### 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 06/18/09.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM B.C.&L. BOOK 28 ON PAGE 259 IN THE COUNTY CLERK RECORDS OF MINGO COUNTY.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF MINGO COUNTY IN MAY, 2009.
5. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).

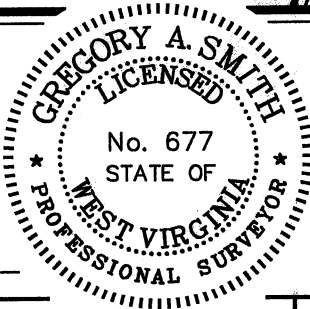
### REFERENCES



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.

P.S. 677

*Gregory A. Smith*



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
 DATE JULY 15, 20 09  
 OPERATORS WELL NO. WV 512574  
 API WELL NO. 47-059-02095H  
 STATE STATE COUNTY COUNTY PERMIT PERMIT

MINIMUM DEGREE OF ACCURACY 1/2500 FILE NO. 4672P512574 (283-05)  
 PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE) 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 1,165' WATERSHED TRIBUTARY OF GRANT BRANCH  
 DISTRICT STAFFORD COUNTY MINGO QUADRANGLE MAJESTIC 7.5'

SURFACE OWNER POCAHONTAS LAND CORPORATION ACREAGE 1,486.37±  
 ROYALTY OWNER PENN VIRGINIA OIL & GAS CORPORATION LEASE ACREAGE 38,753.60±  
 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/SILTSTONE  
 ESTIMATED DEPTH 4,570' (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

02/03/2012

LONGITUDE 82°00'00" 10.691