

WELL NO. WV 513285  
STATE PLANE COORDINATES  
SOUTH ZONE (NAD'27)

N. 228,254  
E. 1,701,449

LAT=(N) 37.62229  
LONG=(W) 82.03081

UTM (NAD'83)  
N. 4,164,420  
E. 409,048

WELL NO. WV 513285

# CARNEGIE NATURAL GAS CO. LEASE (POCA-CARNEGIE)

EXISTING WELL  
A.P.I. 47-059-1850  
WELL NO. WV 506377  
STATE PLANE COORDINATES  
SOUTH ZONE (NAD'27)

N. 228,303  
E. 1,701,460

LAT=(N) 37.62243  
LONG=(W) 82.03077

TO NEWTOWN

POCAHONTAS LAND CORPORATION  
658.45 ACRES± (TRACT 174)

LANDING POINT

JOHN HATFIELD  
12 ACRES±

POCAHONTAS LAND CORPORATION  
658.45 ACRES± (TRACT 174)

POCA. LAND CORP.  
12 ACRES±

LCC WEST VIRGINIA, LLC.

BOTTOM HOLE  
WELL NO. WV 513285  
STATE PLANE COORDINATES  
SOUTH ZONE (NAD'27)

N. 224,231  
E. 1,704,457

LAT=(N) 37.61134  
LONG=(W) 82.02027

UTM (NAD'83)  
N. 4,163,195  
E. 409,965

47-059-0555

CAM KENTUCKY REAL ESTATE LLC  
50 ACRES±

WILLARD HATFIELD, ET AL  
16 ACRES±

LANDING POINT  
WELL NO. WV 513285  
STATE PLANE COORDINATES  
SOUTH ZONE (NAD'27)

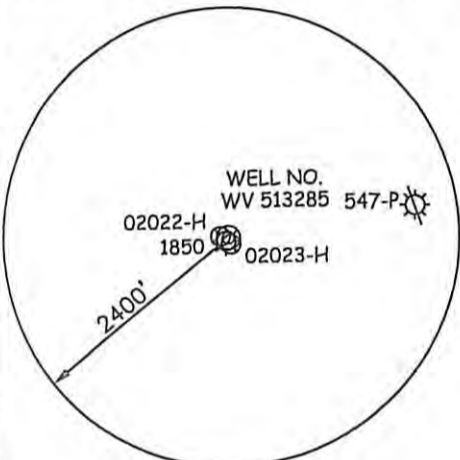
N. 227,127  
E. 1,701,211

LAT=(N) 37.61919  
LONG=(W) 82.03158

### 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 08/20/08.
3. LEASE BOUNDARY DOES NOT APPEAR WITHIN THE SCOPE OF THIS PLAT. ADVERSE MINERAL TRACT & COTIGA TRACT BOUNDARIES TAKEN FROM POCAHONTAS LAND CORPORATION MAPPING SHEET 12.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF MINGO COUNTY IN JULY, 2008.
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 21, 20 10  
 OPERATORS WELL NO. WV 513285  
 API WELL NO. 47-059-02182H  
 STATE COUNTY PERMIT CANCELLED

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 4672P513285 (299-67)  
 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 1,564' WATERSHED MATE CREEK  
 DISTRICT MAGNOLIA COUNTY MINGO QUADRANGLE MAJESTIC 7.5'  
 SURFACE OWNER POCAHONTAS LAND CORPORATION ACREAGE 658.45± (TCT. 174)  
 ROYALTY OWNER PENN VIRGINIA OIL & GAS CORPORATION (38,753.36 AC.±) & COTIGA DEVELOPMENT CO. (TRACT 78, 104 AC.±)  
 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 5,150' (TOAL 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

11/16/2012