

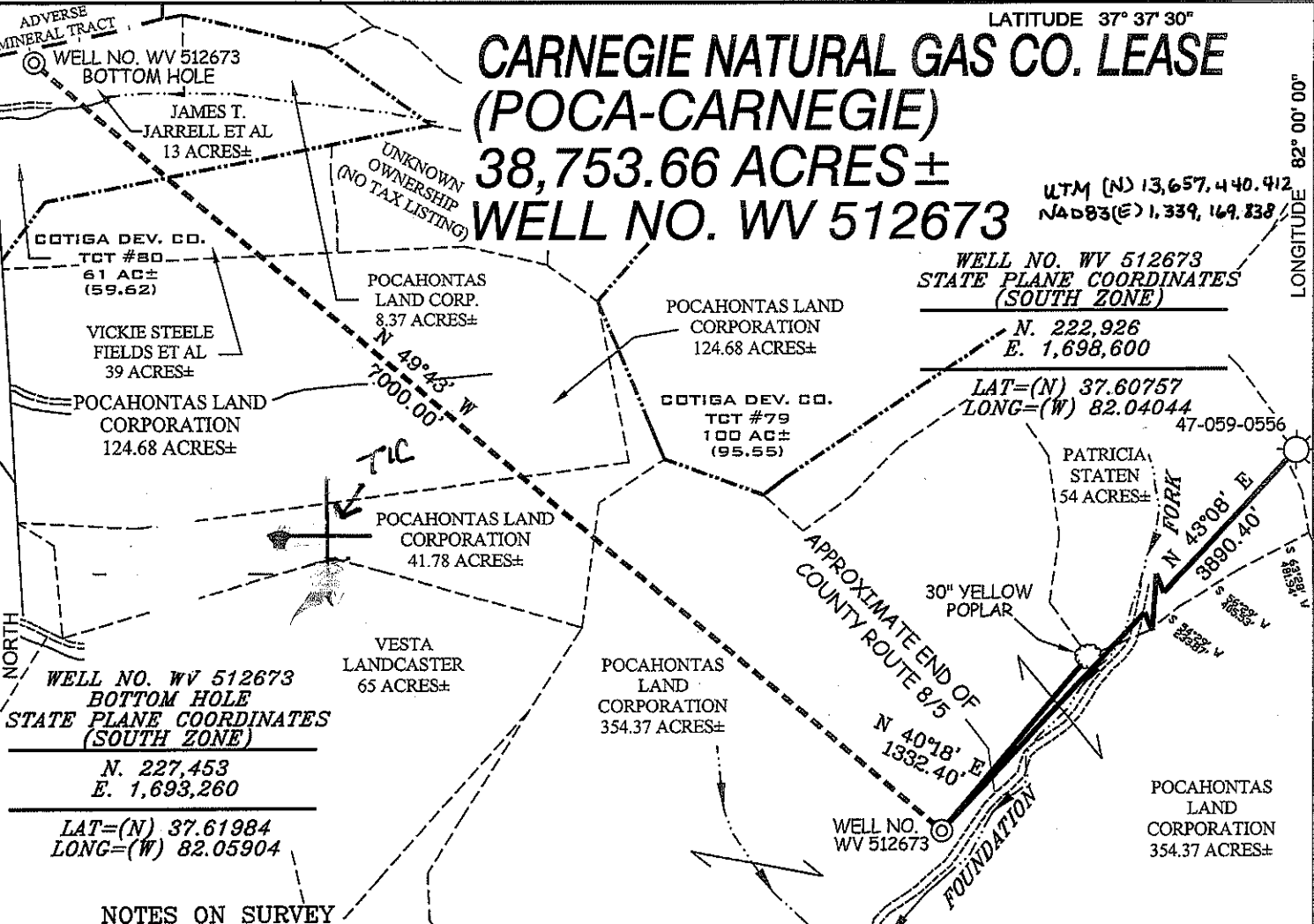
CARNEGIE NATURAL GAS CO. LEASE (POCA-CARNEGIE) 38,753.66 ACRES± WELL NO. WV 512673

UTM (N) 13,657,440.412
NAD83(E) 1,339,149.838

WELL NO. WV 512673
STATE PLANE COORDINATES
(SOUTH ZONE)

N. 222,926
E. 1,698,600

LAT=(N) 37.60757
LONG=(W) 82.04044



WELL NO. WV 512673
BOTTOM HOLE
STATE PLANE COORDINATES
(SOUTH ZONE)

N. 227,453
E. 1,693,260

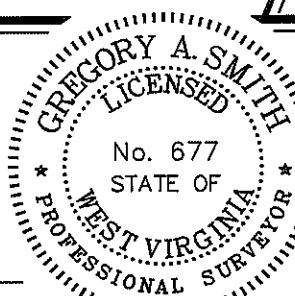
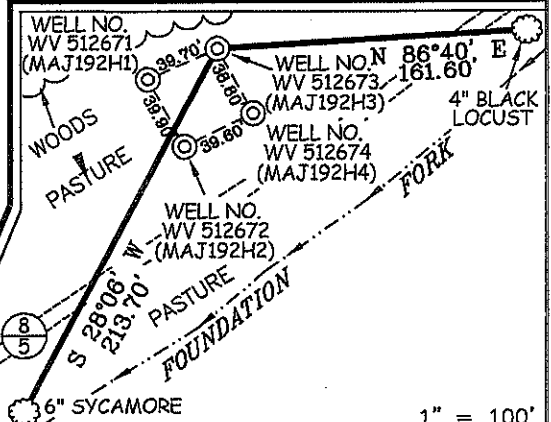
LAT=(N) 37.61984
LONG=(W) 82.05904

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 11/19/09.
3. LEASE BOUNDARY DOES NOT APPEAR WITHIN THE SCOPE OF THIS PLAT.
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).
6. PLAT DATED 12/04/09 REVISED 02/16/10 TO ROTATE AND EXTEND HORIZONTAL LEG AND CHANGE BOTTOM HOLE COORFINATES, ETC.



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 FEBRUARY 24, 20 10

OPERATORS WELL NO. WV 512673

API WELL NO. 47-059-02149H

CANCELLED

MINIMUM DEGREE OF ACCURACY 1/2500 FILE NO. 4672P512673R (289-39)

PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE) SCALE 1" = 1000'

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 1,285' WATERSHED FOUNDATION FORK OF BEECH CREEK

DISTRICT MAGNOLIA COUNTY MINGO QUADRANGLE MAJESTIC 7.5'

SURFACE OWNER POCAHONTAS LAND CORPORATION ACREAGE 354.37±

ROYALTY OWNER PENN VIRGINIA OIL & GAS (38,753.66) & COTIGA DEVELOPMENT COMPANY (61 Ac.) LEASE NO. 717459

PROPOSED WORK: 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 4,620' (TOTAL VERTICAL DEPTH)

WELL OPERATOR EQT PRODUCTION COMPANY DESIGNATED AGENT REX C. RAY
ADDRESS 1710 PENNSYLVANIA AVENUE CHARLESTON, WV 25302 ADDRESS 1710 PENNSYLVANIA AVENUE CHARLESTON, WV 25302

05/18/2012

COUNTY NAME PERMIT