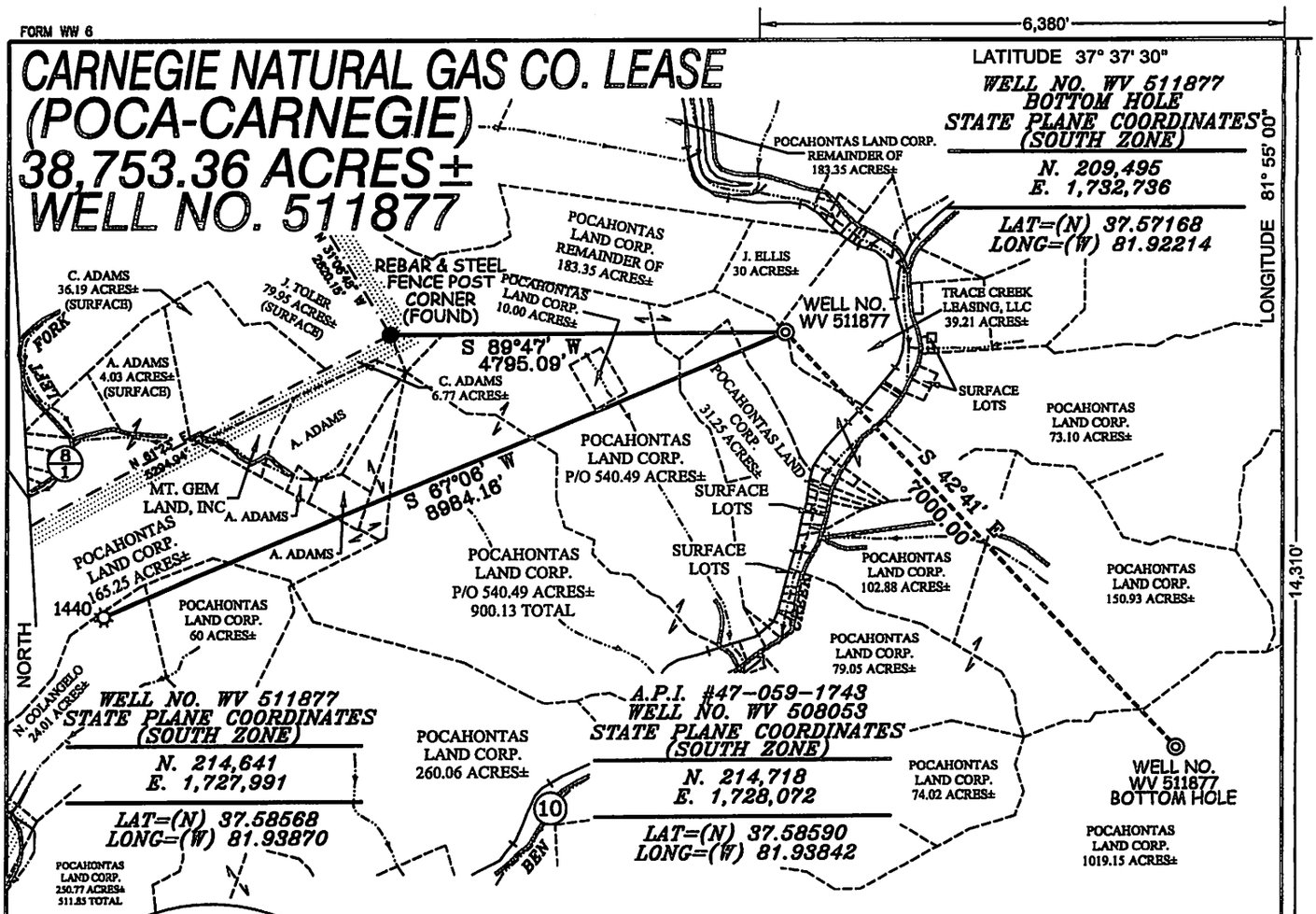
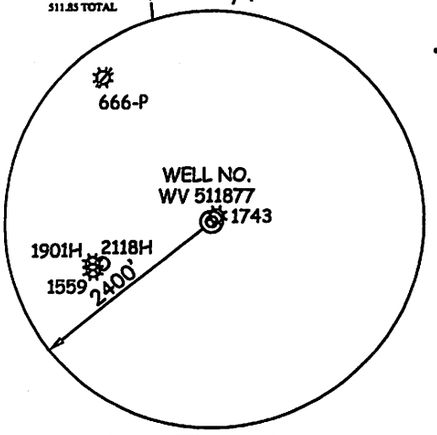
FORM WW 6

CARNEGIE NATURAL GAS CO. LEASE (POCA-CARNEGIE) 38,753.36 ACRES± WELL NO. 511877

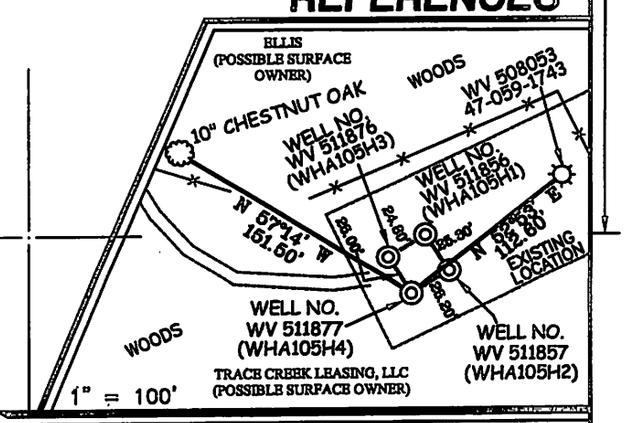


NOTES ON SURVEY

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 12/31/08.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM POCAHONTAS LAND CO. PROPERTY MAPS (SHEET 14).
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).
6. ELLIS (30 AC.) AND TRACE CREEK LEASING L.L.C. (39.21 AC.±) DEEDS FOR SUFACE TRACTS DO NOT HAVE GOOD DESCRIPTIONS. ACTUAL LOCATION OF SURFACE BOUNDARIES NOT ADDRESSED.
7. ORIGINAL PLAT DATED 01/09/09 REVISED 03/03/10 TO ROTATE AND EXTEND HORIZONTAL LEG & CHANGE 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 MARCH 03 , 20 10

OPERATORS WELL NO. WV 511877

API WELL NO. 47 — 059 — 02152 H
STATE COUNTY PERMIT

CANCELLED

MINIMUM DEGREE OF ACCURACY 1 / 2500

PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE)

FILE NO. 4672P511877R (266-48 & 269-44)

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 1,646' WATERSHED BEN CREEK
DISTRICT STAFFORD COUNTY MINGO QUADRANGLE WHARNCLIFFE 7.5'
SURFACE OWNER TRACE CREEK LEASING, LLC &/OR JERRY L. ELLIS ACREAGE 39.21± &/OR 30±
ROYALTY OWNER PENN VIRGINIA OIL AND GAS CORPORATION LEASE ACREAGE 38,753.36±
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 5,190' (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