

CARNEGIE NATURAL GAS CO. LEASE (POCA-CARNEGIE) 38,753.36 ACRES± WELL NO. 511856

WELL NO. WV 511856
BOTTOM HOLE
STATE PLANE COORDINATES
(SOUTH ZONE)

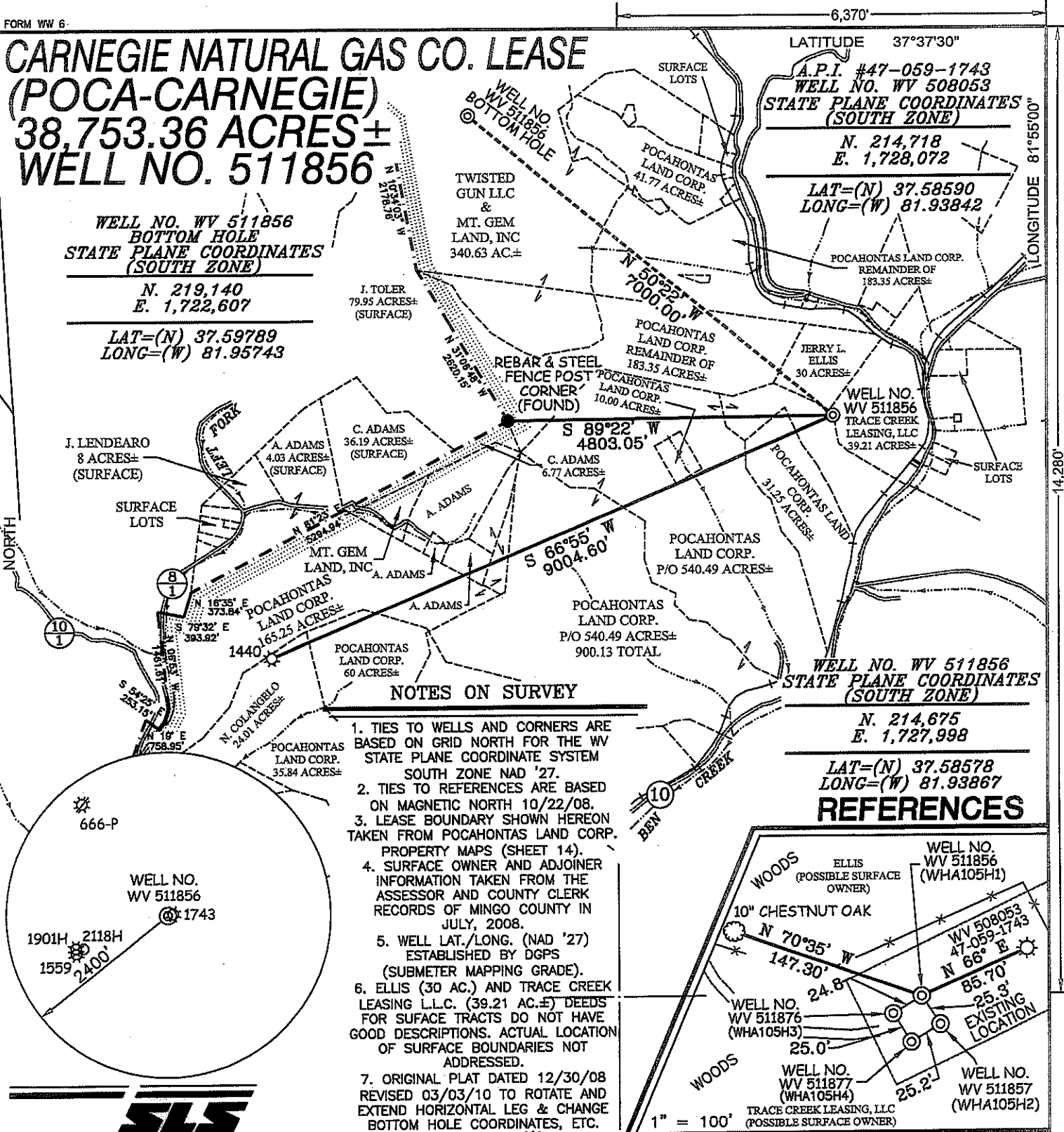
N. 219,140
E. 1,722,607

LAT=(N) 37.59789
LONG=(W) 81.95743

A.P.I. #47-059-1743
WELL NO. WV 508053
STATE PLANE COORDINATES
(SOUTH ZONE)

N. 214,718
E. 1,728,072

LAT=(N) 37.58590
LONG=(W) 81.93842



NOTES ON SURVEY

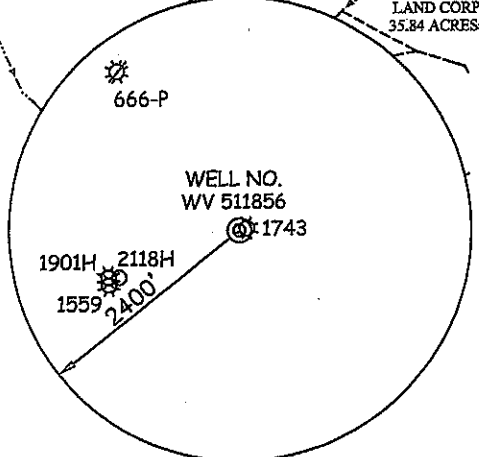
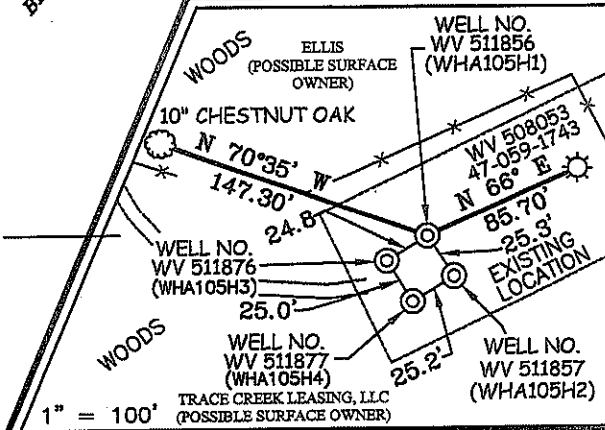
1. TIES TO WELLS AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM SOUTH ZONE NAD '27.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 10/22/08.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM POCAHONTAS LAND CORP. PROPERTY MAPS (SHEET 14).
4. SURFACE OWNER AND ADJOINER INFORMATION 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 SURFACE TRACTS DO NOT HAVE GOOD DESCRIPTIONS. ACTUAL LOCATION OF SURFACE BOUNDARIES NOT ADDRESSED.
7. ORIGINAL PLAT DATED 12/30/08 REVISED 03/03/10 TO ROTATE AND EXTEND HORIZONTAL LEG & CHANGE BOTTOM HOLE COORDINATES, ETC.

WELL NO. WV 511856
STATE PLANE COORDINATES
(SOUTH ZONE)

N. 214,675
E. 1,727,998

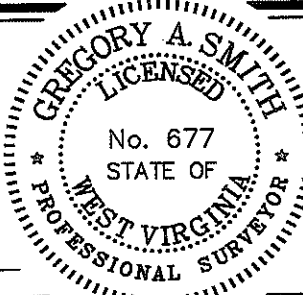
LAT=(N) 37.58578
LONG=(W) 81.93867

REFERENCES



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 MARCH 03, 20 10
 OPERATORS WELL NO. WV 511856
 API WELL NO. 47-059-02146H
 STATE WV COUNTY MINGO PERMIT 02146H

CANCELLED

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 4672P511856R2 (269-44)
 PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE) SCALE 1"=2000'

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW

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±
 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
 ESTIMATED DEPTH 5,390' (TOTAL VER. 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 **05/11/2012**

COUNTY NAME PERMIT