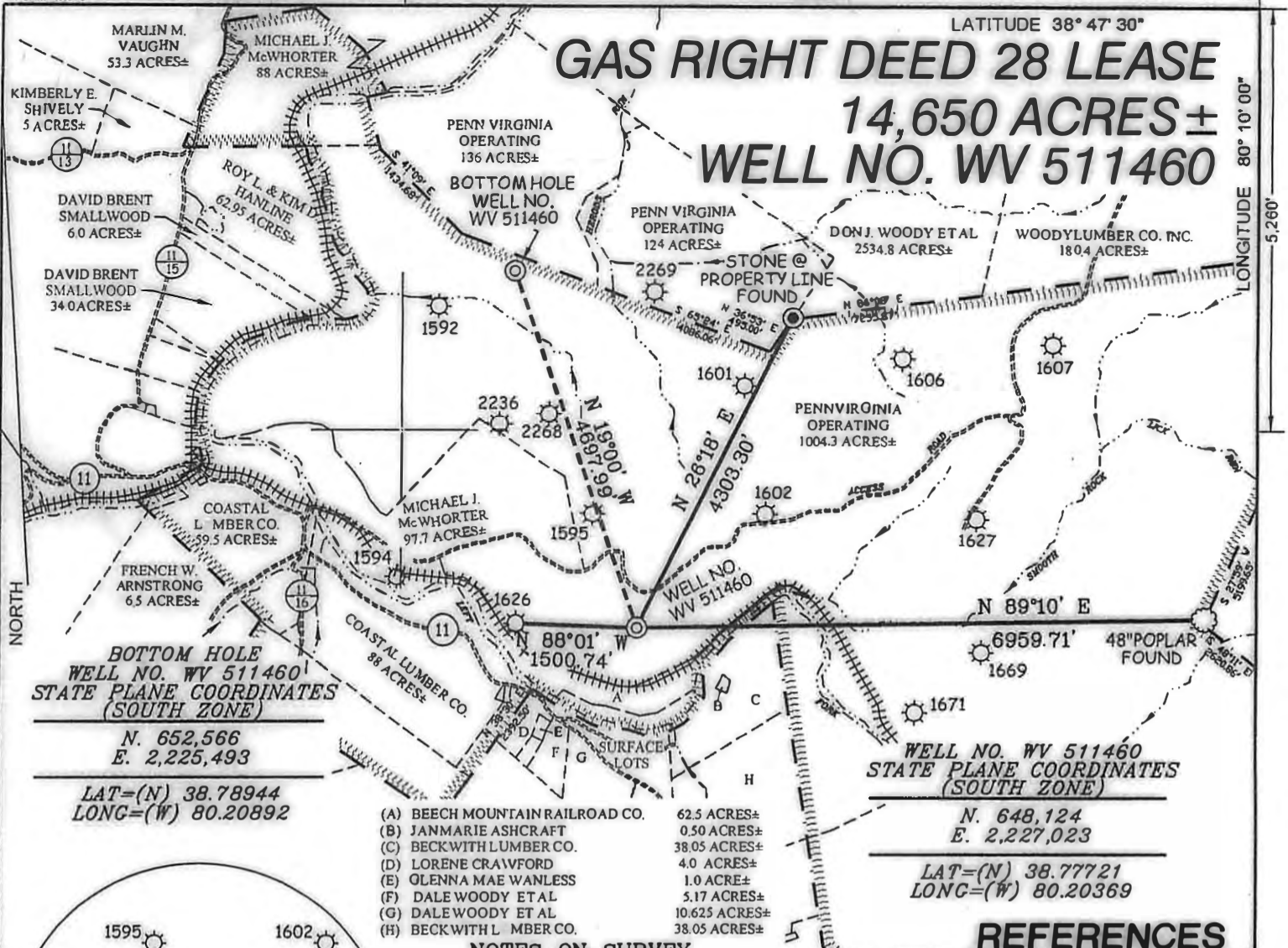


GAS RIGHT DEED 28 LEASE 14,650 ACRES± WELL NO. WV 511460



**BOTTOM HOLE
WELL NO. WV 511460
STATE PLANE COORDINATES
(SOUTH ZONE)**

N. 652,566
E. 2,225,493

LAT=(N) 38.78944
LONG=(W) 80.20892

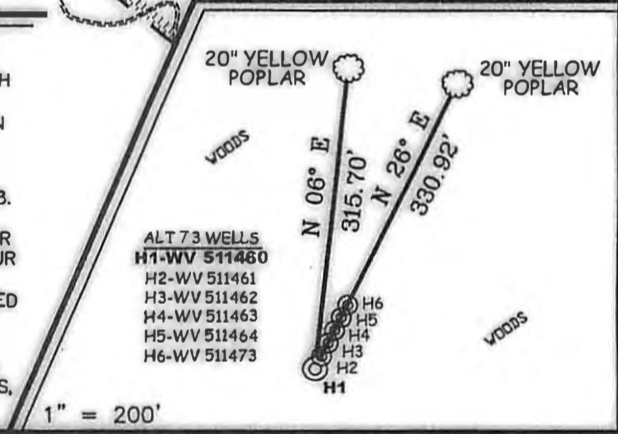
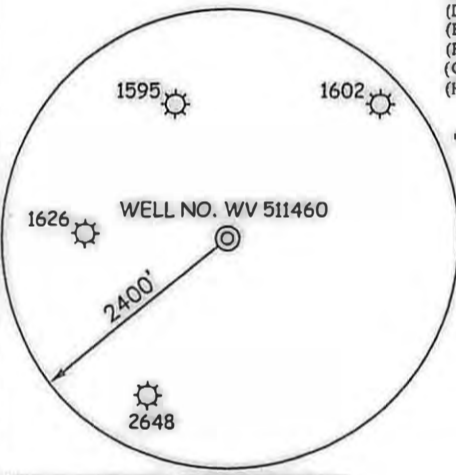
**WELL NO. WV 511460
STATE PLANE COORDINATES
(SOUTH ZONE)**

N. 648,124
E. 2,227,023

LAT=(N) 38.77721
LONG=(W) 80.20369

- 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 03/09/10.
 3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 241 PAGE 408.
 4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF UPSHUR COUNTY IN FEBRUARY, 2010.
 5. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).
 6. PLAT DATED 03/19/10 REVISED 04/07/10 TO EXTEND HORIZONTAL LEG AND CHANGE BOTTOM HOLE COORDINATES, 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 APRIL 07, 20 10
 OPERATORS WELL NO. WV 511460
 API WELL NO. 47 - 097 - 03755H
 STATE COUNTY PERMIT

CANCELLED

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



MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 6985P511460R (296-19)
 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 2,155' WATERSHED LEFT FORK BUCKHANNON RIVER
 DISTRICT WASHINGTON COUNTY UPSHUR QUADRANGLE ALTON 7.5'
 SURFACE OWNER PENN VIRGINIA OPERATING ACREAGE 1,004.3±
 ROYALTY OWNER EQT PRODUCTION COMPANY LEASE ACREAGE 14,650±
 PROPOSED WORK: LEASE NO. 190028
 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 MARCELLUS ESTIMATED DEPTH

WELL OPERATOR EQT PRODUCTION COMPANY DESIGNATED AGENT REX C. RAY
 ADDRESS 1710 PENNSYLVANIA AVENUE CHARLESTON, WV 25 02 ADDRESS 1710 PENNSYLVANIA AVENUE CHARLESTON, WV 25302

07/26/2013

COUNTY NAME PERMIT