

W.M. RITTER LUMBER CO. LEASE 65,000 ACRES± WELL NO. WV 511617

WELL NO. WV 511617
BOTTOM HOLE

TRACT #9028-M
HEARTWOOD FORESTLAND FUND
48.6 ACRES±

TRACT #10003-F
HEARTWOOD FORESTLAND FUND
41.35 ACRES±

TRACT #10003-F
HEARTWOOD FORESTLAND FUND
41.35 ACRES±

WELL NO. WV 511617
STATE PLANE COORDINATES
(SOUTH ZONE)
N. 227,526
E. 1,820,357

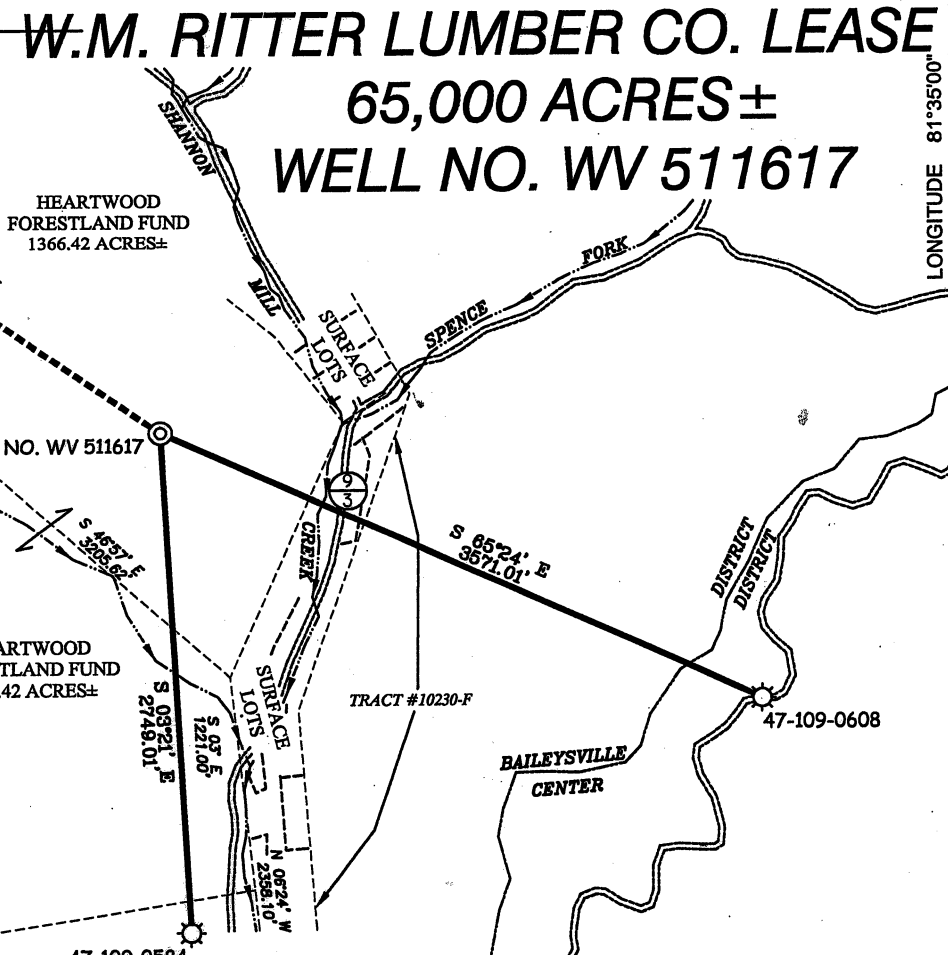
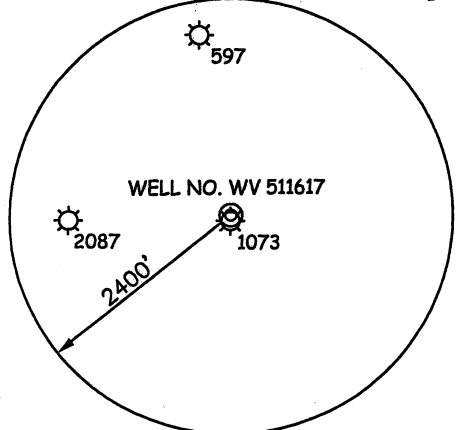
LAT=(N) 37.62320
LONG=(W) 81.62025

WELL NO. WV 511617
BOTTOM HOLE
STATE PLANE COORDINATES
(SOUTH ZONE)
N. 229,624
E. 1,817,310

LAT=(N) 37.62891
LONG=(W) 81.63082

EXISTING WELL 47-109-1073
STATE PLANE COORDINATES
(SOUTH ZONE)
N. 227,476
E. 1,820,382

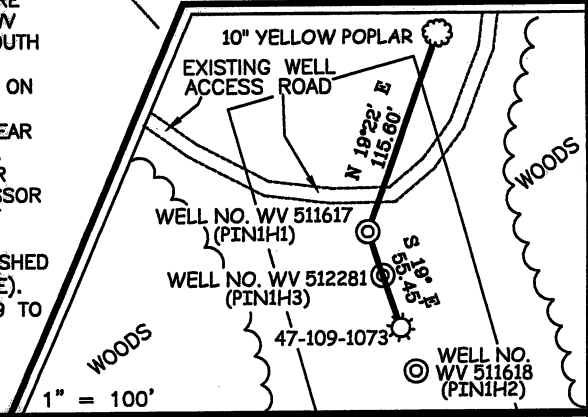
LAT=(N) 37.62307
LONG=(W) 81.62016



NOTES ON SURVEY

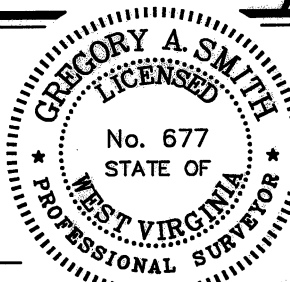
1. TIES TO WELLS AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM SOUTH ZONE NAD '27.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 06/04/09.
3. LEASE BOUNDARY DOES NOT APPEAR WITHIN THE SCOPE OF THIS PLAT.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF WYOMING COUNTY IN MAY, 2009.
5. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).
6. THIS PLAT WAS REVISED 08/07/09 TO CHANGE TARGET FORMATION AND ESTIMATED DEPTH.

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 15, 20 09
OPERATORS WELL NO. WV 511617
API WELL NO. 47-109-03105H
STATE WV COUNTY WY PERMIT CANCELLED

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 3999P511617R (276-74)
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 1,820' WATERSHED SHANNON MILL CREEK
DISTRICT BAILEYSVILLE COUNTY WYOMING QUADRANGLE PINEVILLE 7.5'

SURFACE OWNER HEARTWOOD FORESTLAND FUND ACREAGE 1,366.42±
ROYALTY OWNER PLUM CREEK TIMBERLANDS LEASE ACREAGE 65,000±
PROPOSED WORK: LEASE NO. 004157
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 ANGOLA
ESTIMATED DEPTH 6,190' (TOTAL 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

COUNTY NAME
PERMIT