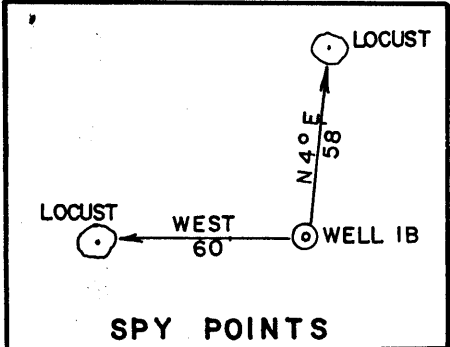
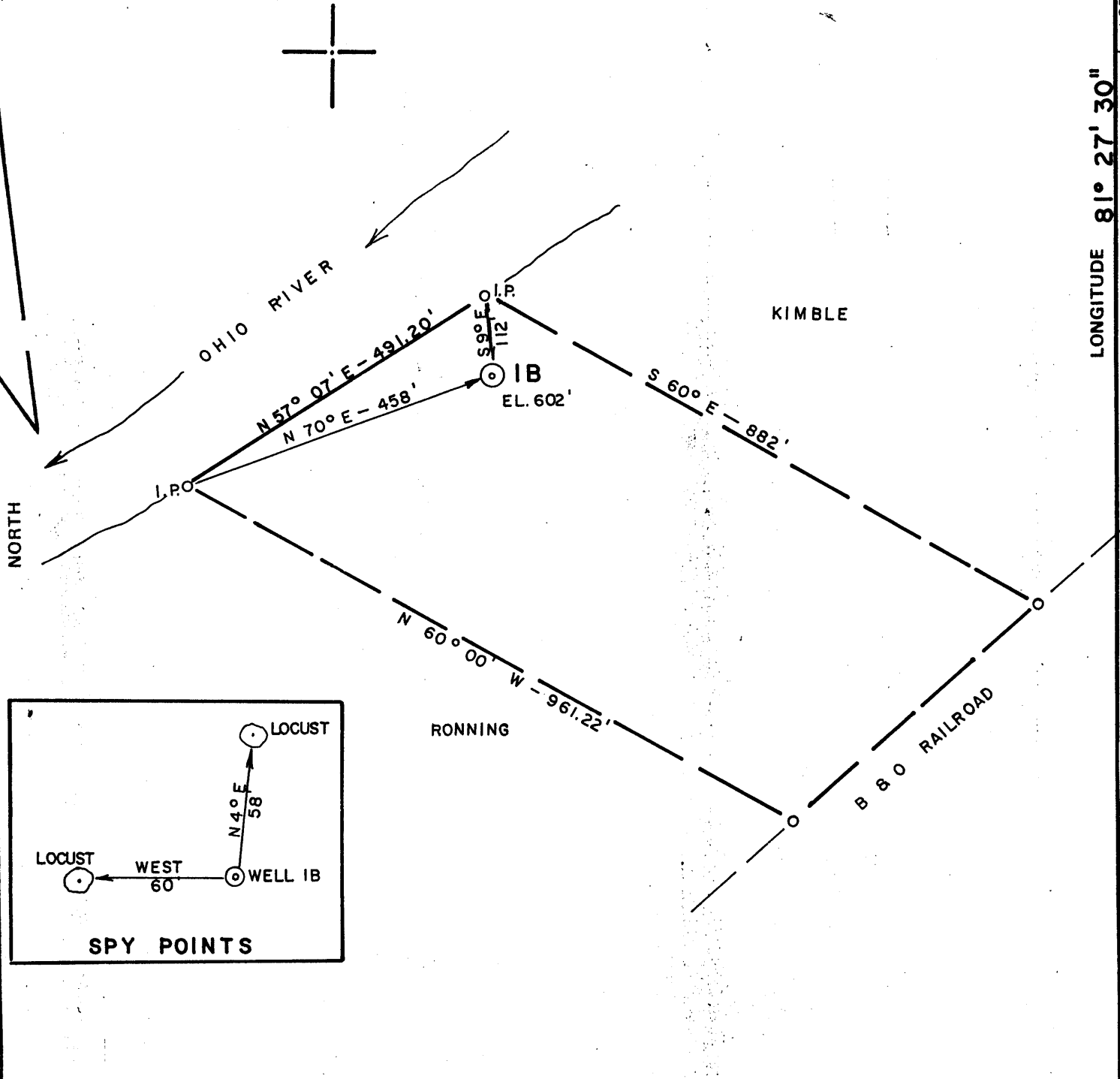


10880' WEST

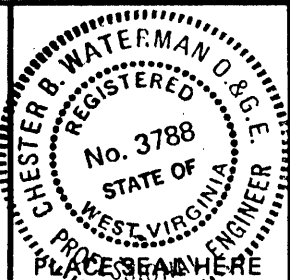
LATITUDE 39° 22' 30"

LONGITUDE 81° 27' 30"



FILE NO. 84-684
 DRAWING NO. _____
 SCALE 1" = 200'
 MINIMUM DEGREE OF ACCURACY 1/200'
 PROVEN SOURCE OF ELEVATION ROUTE 14 (649')

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 DEPARTMENT OF MINES.
 (SIGNED) *Chester B. Waterman*
 R.P.E. 3788 L.L.S. _____



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE 11/19 1984
 OPERATOR'S WELL NO. IB
 API WELL NO. 47-107-1336
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW _____

CANCELLED

LOCATION: ELEVATION 602' WATER SHED OHIO RIVER
 DISTRICT WILLIAMS COUNTY _____
 QUADRANGLE VALLEY MILLS 7.5

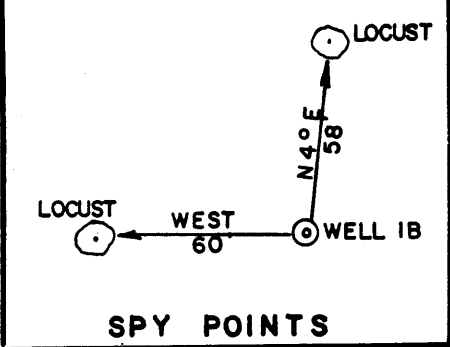
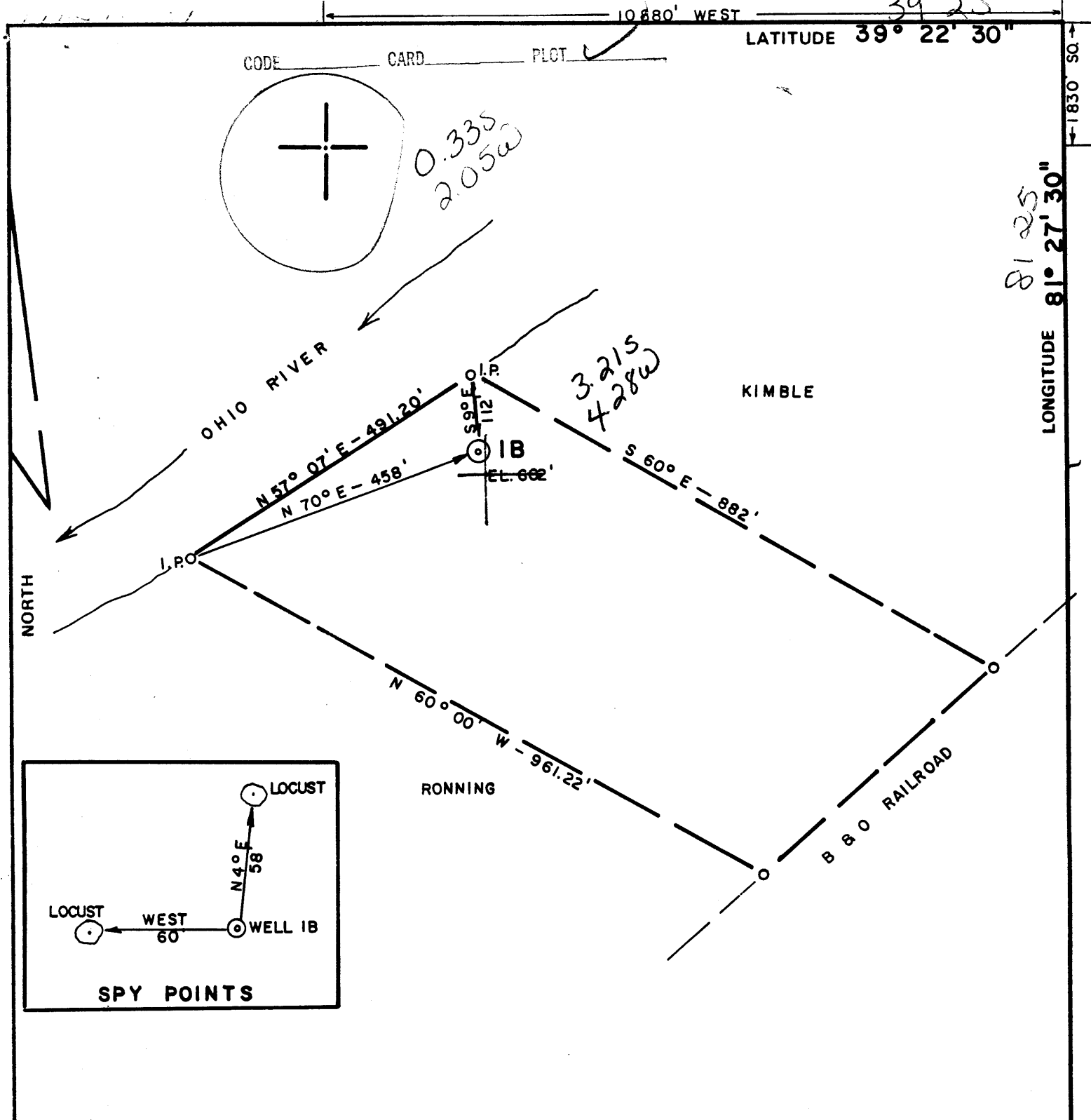
SURFACE OWNER LEO RIFFLE ACREAGE 8.78
 OIL & GAS ROYALTY OWNER LEO RIFFLE LEASE ACREAGE 8.78
 LEASE NO. _____

PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

NOV 23 1987

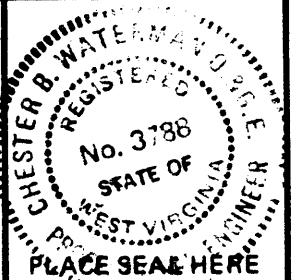
PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION BEREA ESTIMATED DEPTH 2500'
 WELL OPERATOR BLAUSER WELL SERV. DESIGNATED AGENT STANLEY K. WILSON
 ADDRESS P. O. BOX 829 ADDRESS RT. 1, BOX 116
MARIETTA, OH 45750 BIG SPRINGS, WV 26137

WOOD - 1336



FILE NO. 84-684
 DRAWING NO. _____
 SCALE 1" = 200'
 MINIMUM DEGREE OF ACCURACY 1/200'
 PROVEN SOURCE OF ELEVATION ROUTE 14 (649')

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 DEPARTMENT OF MINES.
 (SIGNED) Chester B. Waterman
 R.P.E. 3788 L.L.S. _____



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE 11/19 19 84
 OPERATOR'S WELL NO. IB
 API WELL NO. _____
47 - 107 - 1336
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW _____
 LOCATION: ELEVATION 602 WATER SHED OHIO RIVER
 DISTRICT WILLIAMS COUNTY WOOD
 QUADRANGLE VALLEY MILLS 7.5 Marietta 15 W.C. 4
 SURFACE OWNER LEO RIFFLE ACREAGE 8.78
 OIL & GAS ROYALTY OWNER LEO RIFFLE LEASE ACREAGE 8.78
 LEASE NO. _____
 PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION BEREA ESTIMATED DEPTH 2500'
 WELL OPERATOR BLAUSER WELL SERV DESIGNATED AGENT STANLEY K. WILSON
 ADDRESS P. O. BOX 829 ADDRESS RT. 1, BOX 116

RECEIVED

DEC 06 1984



1) Date: November 27, 19 84
2) Operator's Well No. Leo Riffle #1 B
3) API Well No. 47 - 107 - 1336
State County Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION
APPLICATION FOR A WELL WORK PERMIT

OIL & GAS DIVISION
DEPT. OF MINES

- 4) WELL TYPE: A Oil X / Gas X
5) LOCATION: Elevation: 602', District: Williams, County: Wood, Quadrangle: Valley Mills 7.5'
6) WELL OPERATOR: Blauser Well Service, Inc., Address: P.O. Box 829, Marietta, OH 45750
7) DESIGNATED AGENT: Stanley K. Wilson, Address: Route 1, Box 116, Big Springs, WV 26137
8) OIL & GAS INSPECTOR TO BE NOTIFIED: Name: Glen P. Robinson, Address: Route 1, #6 Mt. Pleasant Est., Mineralwells, WV 26150
9) DRILLING CONTRACTOR: Name: Bill Putnam, Address: Mile Run Road, Marietta, OH 45750
10) PROPOSED WELL WORK: Drill X / Drill deeper / Redrill / Stimulate / Plug off old formation / Perforate new formation / Other physical change in well (specify)
11) GEOLOGICAL TARGET FORMATION: Berea
12) Estimated depth of completed well, 2500' feet
13) Approximate strata depths: Fresh, 40 feet; salt, 1300 feet.
14) Approximate coal seam depths: n/a Is coal being mined in the area? Yes / No X

15) CASING AND TUBING PROGRAM

Table with columns: CASING OR TUBING TYPE, SPECIFICATIONS (Size, Grade, Weight per ft., New, Used), FOOTAGE INTERVALS (For drilling, Left in well), CEMENT FILL-UP OR SACKS (Cubic feet), PACKERS (Kinds, Size, Depth, Perforations: Top, Bottom). Includes handwritten notes: 'to surface by rule 15.05', '1100' (trap required by rule) 15.01'.

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-107-1336 December 12, 19 84
Date

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires December 12, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Table with columns: Bond, Agent, Plat, Casing, Fee. Values: 19, MN, MN, MN, 914597

Margaret J. Hasser
Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

File