

FILE NO. 84166
 DRAWING NO. _____
 SCALE 1" = 200
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION RD. INT.
ELEV. = 759

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) William Ambrose
 R.P.E. _____ L.L.S. 568

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



DATE 19 DECEMBER, 1984
 OPERATOR'S WELL NO. CLOVIS #2
 API WELL NO. 47 - 107 - 1361
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

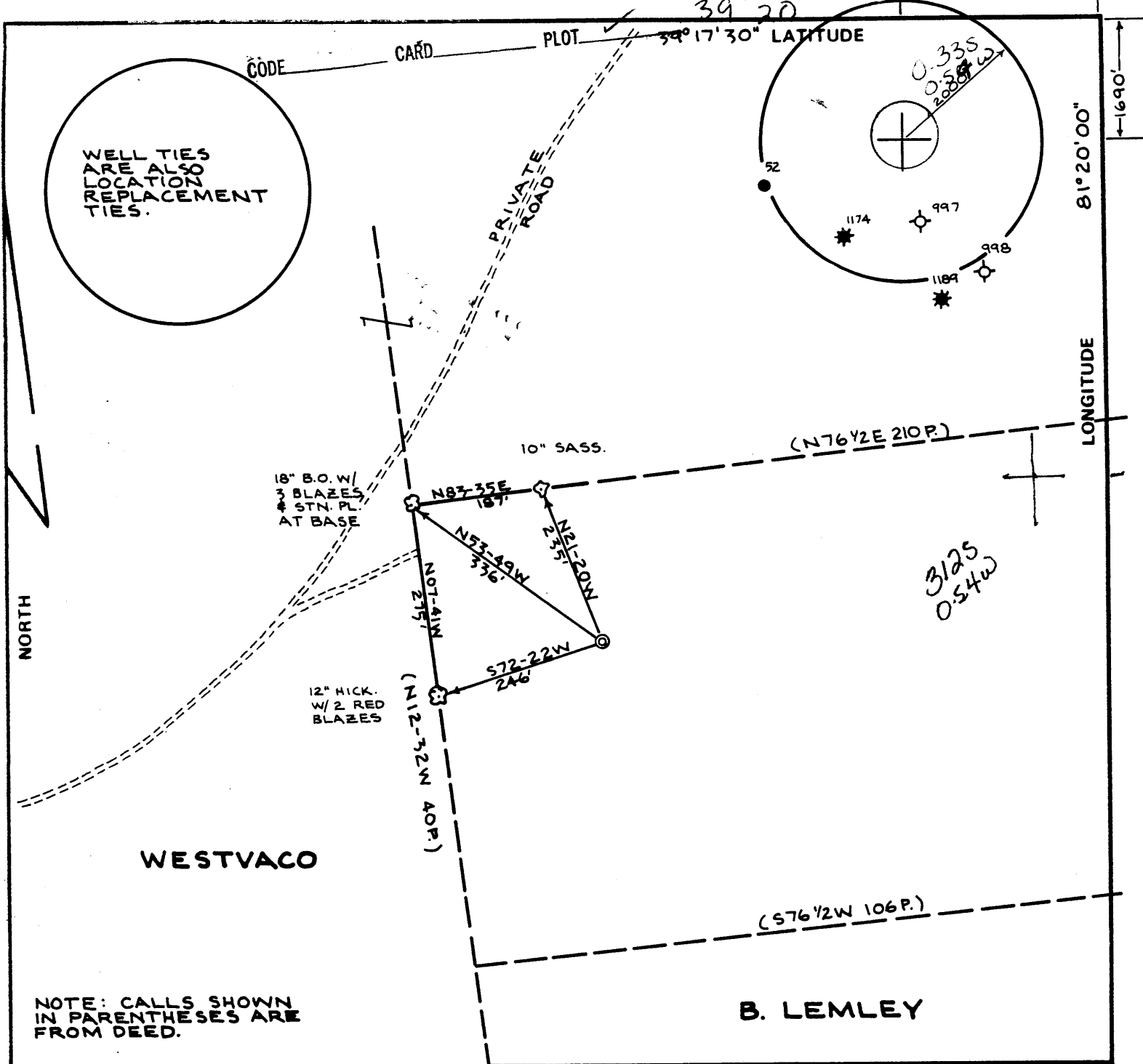
CANCELLED

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW _____
 LOCATION: ELEVATION 1006 WATER SHED RIGHT FORK OF BULL CREEK
 DISTRICT UNION COUNTY WOOD
 QUADRANGLE WILLOW ISLAND
 SURFACE OWNER GORDON CLOVIS, ET UX. ACREAGE _____ 52
 OIL & GAS ROYALTY OWNER _____ LEASE ACREAGE _____
 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 DEVONIAN SHALE ESTIMATED DEPTH 5000'
 WELL OPERATOR CUYAHOGA EXPLORATION DESIGNATED AGENT ROGER HUNTER
 ADDRESS ROUTE 1 MARIETTA ADDRESS P.O. BOX 1386 CHARLESTON
OHIO 201 45750 WEST VIRGINIA 25325

WOOD 1361

JUN 26 1987



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(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FORM IV-6 (8-78)

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW _____

LOCATION: ELEVATION 1006 WATER SHED RIGHT FORK OF BULL CREEK
 DISTRICT UNION COUNTY WOOD
 QUADRANGLE WILLOW ISLAND Marietta 15' 86g

SURFACE OWNER GORDON CLOVIS, ET UX. ACREAGE 52
 OIL & GAS ROYALTY OWNER _____ LEASE ACREAGE _____
 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) _____

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 ADDRESS ROUTE 1 MARIETTA OHIO 45750 ADDRESS P.O. BOX 1386 CHARLESTON WEST VIRGINIA 25325

STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION

DATE 19 DECEMBER, 19 84
 OPERATOR'S WELL NO. CLOVIS #2
 API WELL NO. 47-107-1361
 STATE COUNTY PERMIT

MAR 25 1985

RECEIVED

FEB 12 1985

OIL & GAS DIV. DEPT. OF MINES



1) Date: January 24, 19 85
2) Operator's Well No. Clovis #2
3) API Well No. 47 - 0723 - 1953
State County Permit 107 - 1361

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

- 4) WELL TYPE: A Oil X / Gas X
B (If "Gas", Production X / Underground storage / Deep / Shallow X)
5) LOCATION: Elevation: 1006 Watershed: Right Fork Bull Creek
District: Union County: Pleasants Wood Quadrangle: Willow Island
6) WELL OPERATOR Cuyahoga Exp. & Dev. Corp. 7) DESIGNATED AGENT Roger Hunter
Address Route #1 Marietta, OH 45750 Address P. O. Box 1386 Charleston, WV 25325
8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Glen Robinson Address Rt. 1, #6 Mt. Pleasants Estates Mineral Wells, WV 26150
9) DRILLING CONTRACTOR: Name not yet determined Address
10) PROPOSED WELL WORK: Drill X / Drill deeper / Redrill / Stimulate X
Plug off old formation / Perforate new formation X
Other physical change in well (specify)
11) GEOLOGICAL TARGET FORMATION, Devonian Shale/Benson Formation
12) Estimated depth of completed well, 5,000 feet
13) Approximate trata depths: Fresh, 2306 100 feet; salt, 1,500 feet.
14) Approximate coal seam depths: not applicable 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, Sizes, Depths set, Perforations: Top, Bottom)

OFFICE USE ONLY DRILLING PERMIT

Permit number 107-1361 47-0723-1953 Date March 19, 19 85

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 March 19, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Table with columns: Bond (52), Agent (MM), Plat (MM), Casing (MM), Fee (1219)

Margaret J. Hesse 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