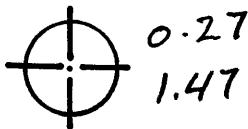


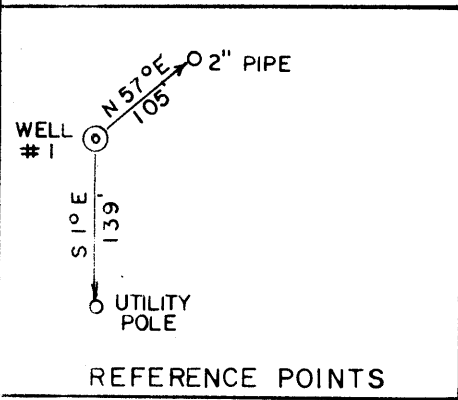
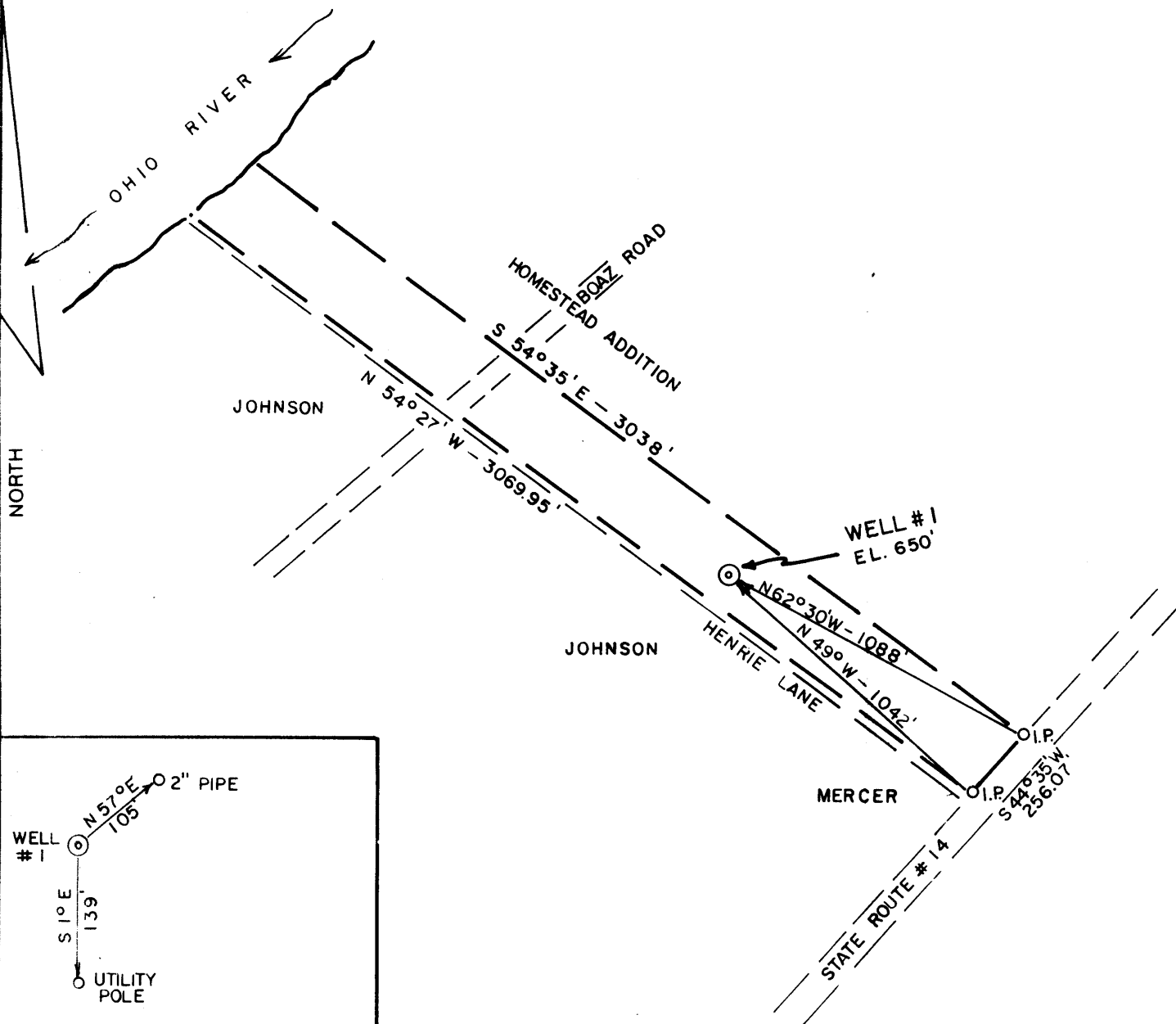
Janie 1/11/90

7720' WEST

LATITUDE 39° 22' 30"



LONGITUDE 81° 27' 30"



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

FILE NO. 85-545
DRAWING NO.
SCALE 1" = 500'
MINIMUM DEGREE OF ACCURACY 1/200'
PROVEN SOURCE OF ELEVATION U.E. 668'
ROUTE #14

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) Robert Waterman R.P.E. 3788 L.L.S.



STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION



DATE 8/22, 19 85 OPERATOR'S WELL NO. 1 API WELL NO.

WELL TYPE: OIL X GAS LIQUID INJECTION WASTE DISPOSAL STATE COUNTY PERMIT 47-107-1377-P

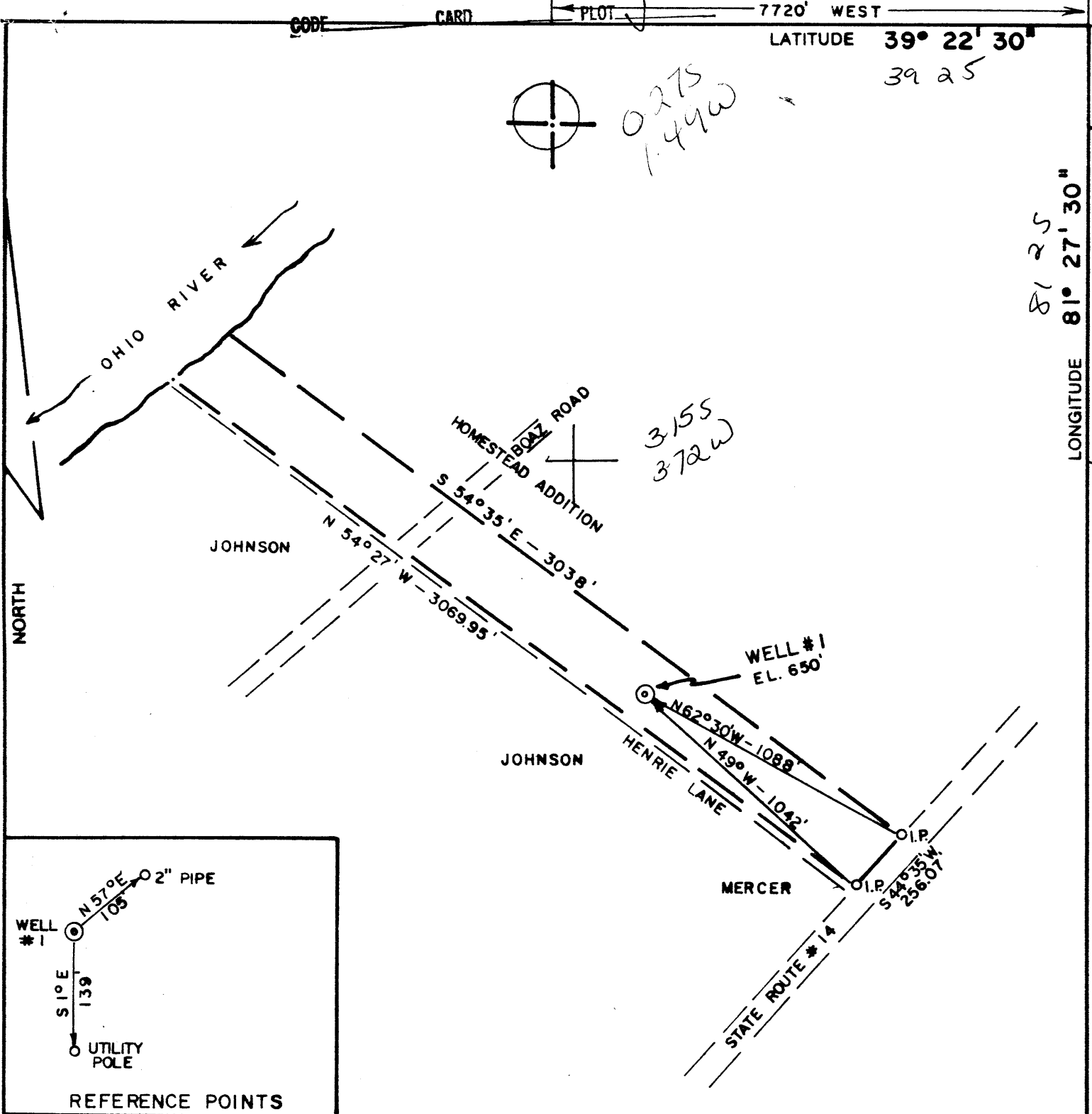
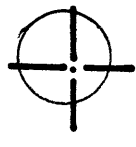
LOCATION: ELEVATION 650 WATER SHED OHIO RIVER DISTRICT WILLIAMS COUNTY WOOD QUADRANGLE VALLEY MILLS 7.5'

SURFACE OWNER RAYMOND MERCER ACREAGE 19.169 OIL & GAS ROYALTY OWNER RAYMOND MERCER LEASE ACREAGE 19.169

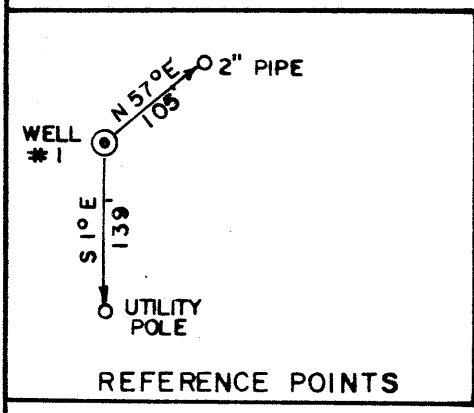
PROPOSED WORK: DRILL X CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY)

PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION BEREA ESTIMATED DEPTH 2100' WELL OPERATOR BLAUSER WELL SERVICE, INC. DESIGNATED AGENT STANLEY K. WILSON ADDRESS 507-2ND ST. MARIETTA, OH 45750 ADDRESS RT. 1, BOX 116 BIG SPRINGS, WV 26137

WOOD COUNTY NAME 1377 PERMIT



LONGITUDE 81° 27' 30"



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

FILE NO. 85-545

DRAWING NO. _____

SCALE 1" = 500'

MINIMUM DEGREE OF ACCURACY 1"/200'

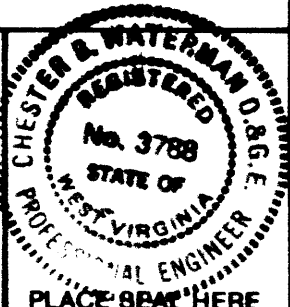
PROVEN SOURCE OF ELEVATION U.E. 668'

ROUTE #14

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 8/22, 19 85

OPERATOR'S WELL NO. 1

API WELL NO. 47-107-1377

STATE WV COUNTY WOOD PERMIT 19169

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

LOCATION: ELEVATION 650' WATER SHED OHIO RIVER

DISTRICT WILLIAMS 0 COUNTY WOOD

QUADRANGLE VALLEY MILLS 7.5' 650 073 WC4 Marietta

SURFACE OWNER RAYMOND MERCER ACREAGE 19.169

OIL & GAS ROYALTY OWNER RAYMOND MERCER LEASE ACREAGE 19.169

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 2100'

WELL OPERATOR BLAISER WELL SERVICE, INC. DESIGNATED AGENT STANLEY K. WILSON

ADDRESS 507-2ND ST. MARIETTA, OH 45750 ADDRESS RT. 1, BOX 116 BIG SPRINGS, WV 26137

SEP 16 1985

COUNTY NAME PERMIT



IV-35
(Rev 8-81)

FEB 25 1986

State of West Virginia
Department of Mines
Oil and Gas Division

Date January 31, 1986
Operator's
Well No. #1
Farm Mercer
API No. 47 - 107 - 1377

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil X / Gas X / Liquid Injection / Waste Disposal /
(If "Gas," Production X / Underground Storage / Deep / Shallow /)

LOCATION: Elevation: 650' Watershed Ohio River
District: Williams County Wood Quadrangle Valley Mills

COMPANY Blausler Well Service, Inc.
ADDRESS Marietta, OH 45750
DESIGNATED AGENT Stanley K. Wilson
ADDRESS Big Springs, WV 26137
SURFACE OWNER Anna/Donald/Ruth Mercer
ADDRESS Route 2, Williamstown, WV 26187
MINERAL RIGHTS OWNER Anna/Donald/Ruth Mercer
ADDRESS Route 2, Williamstown, WV 26187
OIL AND GAS INSPECTOR FOR THIS WORK Glen
Robinson ADDRESS Mineralwells, WV
PERMIT ISSUED September 3, 1985
DRILLING COMMENCED September 13, 1985
DRILLING COMPLETED September 17, 1985
IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON n/a

| Casing & Tubing | Used in Drilling | Left in Well | Cement fill up Cu. ft. |
|------------------|------------------|--------------|------------------------|
| Size 20-16 Cond. | | | |
| 13-10" | 128 | 0 | |
| 9 5/8 | | | |
| 8 5/8 | 272 | 272 | 96 sx |
| 7 | | | |
| 5 1/2 | | | |
| 4 1/2 | 2017 | 2017 | 100 sx |
| 3 | | | |
| 2 | | | |
| Liners used | | | |

GEOLOGICAL TARGET FORMATION Berea Depth 1942 feet
Depth of completed well 2031 feet Rotary X / Cable Tools
Water strata depth: Fresh 95 feet; Salt 1482 feet
Coal seam depths: none Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation Berea Pay zone depth 1942 feet
Gas: Initial open flow 1 Mcf/d Oil: Initial open flow -- Bbl/d
Final open flow (24) Mcf/d Final open flow (1) Bbl/d
Time of open flow between initial and final tests 24 hours
Static rock pressure 710 psig (surface measurement) after 72 hours shut in
(If applicable due to multiple completion--)
Second producing formation Pay zone depth feet
Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d
Final open flow Mcf/d Oil: Final open flow Bbl/d
Time of open flow between initial and final tests hours
Static rock pressure psig (surface measurement) after hours shut in

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Perforated 1944 - 46' with 15 shots

Fractured with 909 bbls. water and 43,000 lbs 12/20 mesh sand and 250 gallon 15% HCL acid.

WELL LOG

| FORMATION | COLOR | HARD OR SOFT | TOP FEET | BOTTOM FEET | REMARKS Including indication of all fresh and salt water, coal, oil and gas |
|------------------------------|-------|--------------|----------|-------------|--|
| Sand & Shale | | | 0 | 788 | |
| Sand | | | 788 | 798 | |
| Shale | | | 798 | 834 | |
| Sand | | | 834 | 937 | |
| Shale | | | 937 | 962 | |
| Sand | | | 962 | 998 | |
| Sandy Shale | | | 998 | 1060 | |
| Sand | | | 1060 | 1084 | |
| Shale | | | 1084 | 1154 | |
| Sand | | | 1154 | 1196 | |
| Shale | | | 1196 | 1298 | |
| Sand | | | 1298 | 1318 | |
| Shale | | | 1318 | 1362 | |
| Sand | | | 1362 | 1384 | |
| Shale | | | 1384 | 1482 | |
| Big Injun Sand ^{po} | | | 1482 | 1561 | saltwater |
| Shale | | | 1561 | 1942 | |
| Berea Sand | | | 1942 | 1946 | |
| Shale | | | 1946 | TD | oil/gas |
| | | | | D.2031 | |

(Attach separate sheets as necessary)

Blauser Well Service, Inc.

Well Operator

By: Arno M. Hush

Date: 1/31/86

Note: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

RECEIVED
 SEP 3 1985



1) Date: August 28, 19 85
 2) Operator's Well No. #1 (Mercer)
 3) API Well No. 47 107 -1377
 State County Permit

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

- 4) WELL TYPE: A Oil / Gas
 B (If "Gas", Production / Underground storage / Deep / Shallow)
- 5) LOCATION: Elevation: 650' Watershed: Ohio River
 District: Williams County: Wood Quadrangle: Valley Mills
- 6) WELL OPERATOR Blausner Well Serv. CODE: 6000 7) DESIGNATED AGENT Stanley K. Wilson
 Address P.O. Box 829 Inc. 095 Address Route 1, Box 116
Marietta, OH 45750 Big Springs, WV 26137
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Glen Robinson 9) DRILLING CONTRACTOR:
 Address Route 1, #6 Mt. Pleasant Est. Name Putnam Drilling
Mineralwells, WV 26150 Address Mile Run Road
Marietta, OH 45750
- 10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate
 Plug off old formation / Perforate new formation
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Berea 395
 12) Estimated depth of completed well, 2000 feet
 13) Approximate strata depths: Fresh, 60 feet; salt, 1300 feet.
 14) Approximate coal seam depths: n/a Is coal being mined in the area? Yes / No
- 15) CASING AND TUBING PROGRAM

| CASING OR TUBING TYPE | SPECIFICATIONS | | | | | FOOTAGE INTERVALS | | CEMENT FILL-UP OR SACKS (Cubic feet) | PACKERS | |
|-----------------------|----------------|-------|----------------|-----|------|-------------------|--------------|--------------------------------------|---------------|---------------|
| | Size | Grade | Weight per ft. | New | Used | For drilling | Left in well | | Kinds | Sizes |
| Conductor | | | | | | | | | | |
| Fresh water | 8 5/8 | H-40 | 24 | X | | 250' | 250' | to surface | | By rule 15.05 |
| Coal | | | | | | | | | | |
| Intermediate | | | | | | | | | | |
| Production | 4 1/2 | J-55 | 9.5 | X | | 2000' | 2000' | 500' | | By rule 15.01 |
| Tubing | | | | | | | | | | |
| Liners | | | | | | | | | Perforations: | |
| | | | | | | | | | Top | Bottom |

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-107-1377

September 3 19 85
 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 September 3, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

| | | | | | | | |
|---|--|---|---|-------------------|---|--|---------------------------------|
| Bond: <input checked="" type="checkbox"/> | Agent: <input checked="" type="checkbox"/> | Plat: <input checked="" type="checkbox"/> | Casing: <input checked="" type="checkbox"/> | Fee: <u>10447</u> | WPCP: <input checked="" type="checkbox"/> | S&E: <input checked="" type="checkbox"/> | Other: <input type="checkbox"/> |
|---|--|---|---|-------------------|---|--|---------------------------------|

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

James M. Tephahol
 Director, Division of Oil and Gas

File

RECEIVED
FEB 05 1990

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
DIVISION OF OIL AND GAS

DIVISION OF OIL & GAS
AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVITE SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: BOAZ GARDENS LTD.PTSHP. Operator Well No.:A. MERCER #1

LOCATION: Elevation: 650.00 Quadrangle: VALLEY MILLS
District: WILLIAMS County: WOOD
Latitude: 1710 Feet South of 39 Deg. 22 Min. 30 Sec.
Longitude 7600 Feet West of 81 Deg. 27 Min. 30 Sec.

Well Type: OIL _____ GAS X

Company: Blauser Well Service, Inc. - 6000 Coal Operator n/a
P.O. Box 829 or Owner _____
Marietta, OH 45750 _____

Agent: Stanley K. Wilson Coal Operator n/a
Inspector: Glen Robinson or Owner _____
Permit Issued: 01/12/90 _____

AFFIDAVIT

STATE OF ~~WEST VIRGINIA~~ OHIO
County of Washington ss:

Dean P. Decker, Jr. - Owner
Decker Well Service and D. Timothy Zoller, Petroleum Engr. being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Blauser Well Service, Inc., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 31st day of January, 1990, and that the well was plugged and filled in the following manner:

| TYPE | FROM | TO | PIPE REMOVED (total pipe removed 1363') | LEFT |
|--|-----------------|-------------------|--|-------|
| Cement Class A 2% CaCl ₂ | 1950' | 1750' | 4 1/2" none | 2017' |
| 15 sks | inside | 4 1/2" casing | | |
| Class A 2% Cement | 625' | 525' | 4 1/2" - 738' | 1279' |
| 29 sks | inside | 7 7/8" open hole | | |
| Gel Plug | 461' | 338' | 4 1/2" - 164' | 1115' |
| | 7 | 7/8" hole | | |
| Cement 10 sks Cal Seal | 338' | 228' | 4 1/2" - 123' | 992' |
| 20 sks Class A 2% CaCl ₂ | 50' 7 7/8" hole | 50' 8 5/8" casing | | |
| Gel Plug | 228' | 133' 8 5/8" csg. | 4 1/2" - 205' | 787' |
| Cement 56 sks Class A 2% CaCl ₂ | 133' | 0' 8 5/8" csg. | 4 1/2" - 133' | 654' |

Description of monument: 4 1/2" casing 30" above ground and 36" into 8 5/8"
with cement and tagged with API# and plugging date.

and that the work of plugging and filling said well was completed on the 31st day of January, 1990.

And further deponents saith not.

Dean P. Decker, Jr.

Sworn and subscribe before me this 2nd day of January, 1990
My commission expires: April 18, 1990

D. Tim Zoller
Marion S. Zoller
Notary Public

FEB 16 1990