

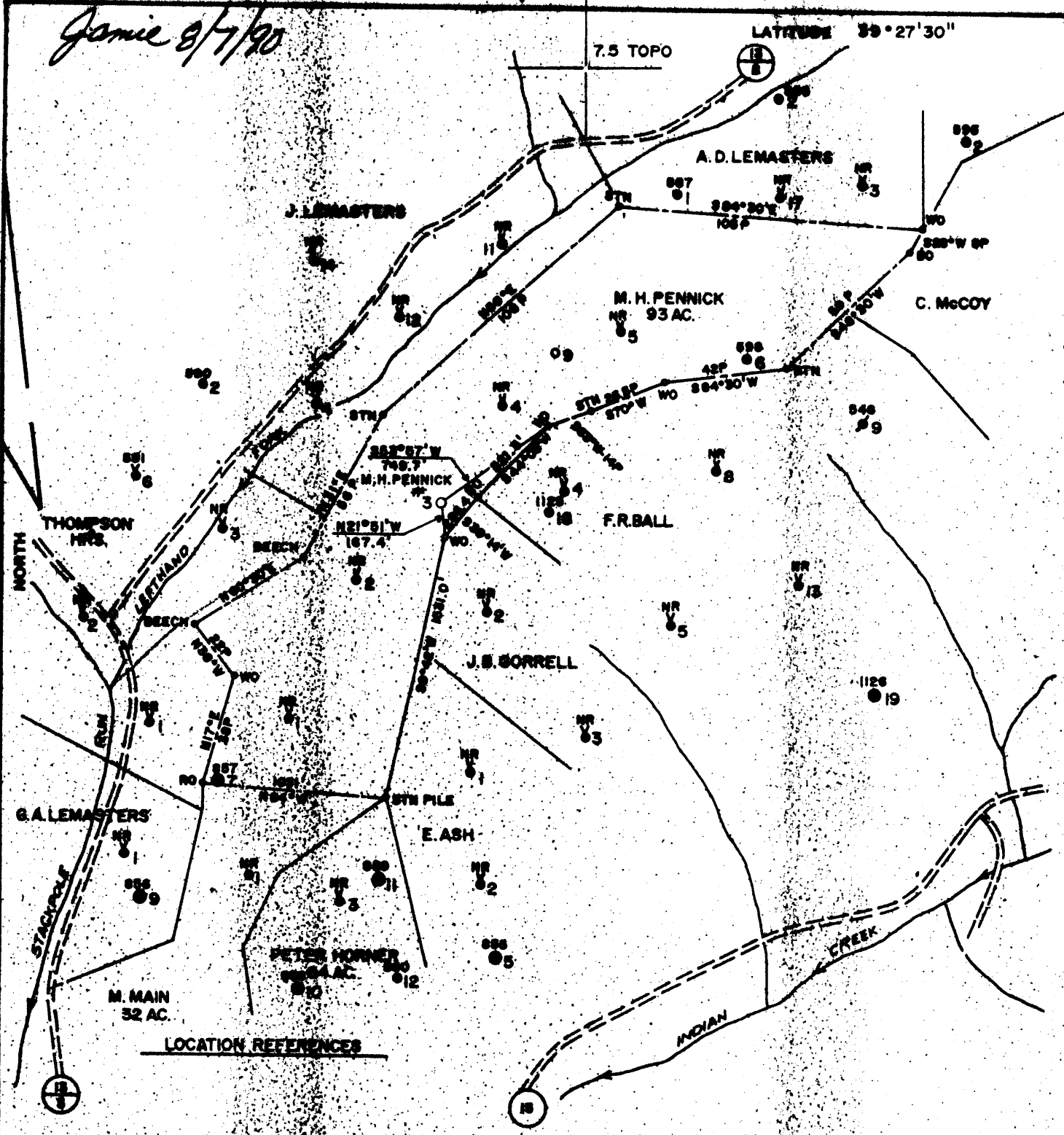
Janie 8/7/90

7,200

7.5 TOPO

LATITUDE 39° 27' 30"

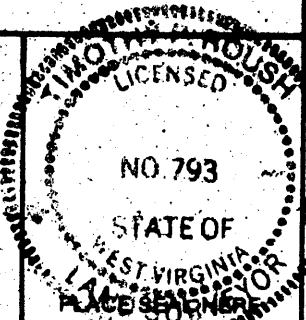
LONGITUDE 80° 04' 08"



LOCATION REFERENCES

FILE NO. 1899
 MAP N47 SQS NE W4
 SCALE 1" = 800
 MINIMUM DEGREE OF ACCURACY 1 IN 200'
 PROVEN SOURCE OF ELEVATION PENNZOIL COMPANY RECORDS

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) *Timothy P. Roush*
 TIMOTHY P. ROUSH PS. 793



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE MAY 20 1990
 FARM M.H. PENNICK NO. 3
 API WELL NO. **Cancelled**
 47 - 095 - 1415-X

(*) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION ___ WASTE DISPOSAL ___ OBSERVATION
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 1,144' WATER SHED LEFTHAND FORK
 DISTRICT McLEROY COUNTY TYLER
 QUADRANGLE CENTER POINT 7.5'

STATE COUNTY PERMIT
Redrill the 1899 old 1897 well for separation of ground water

SURFACE OWNER S.J. MCINTYRE & H.R. WRIGHT ACREAGE 93 AC.
 OIL & GAS ROYALTY OWNER PENNZOIL COMPANY LEASE ACREAGE 93 AC.
 LEASE NO. RE-2122-00

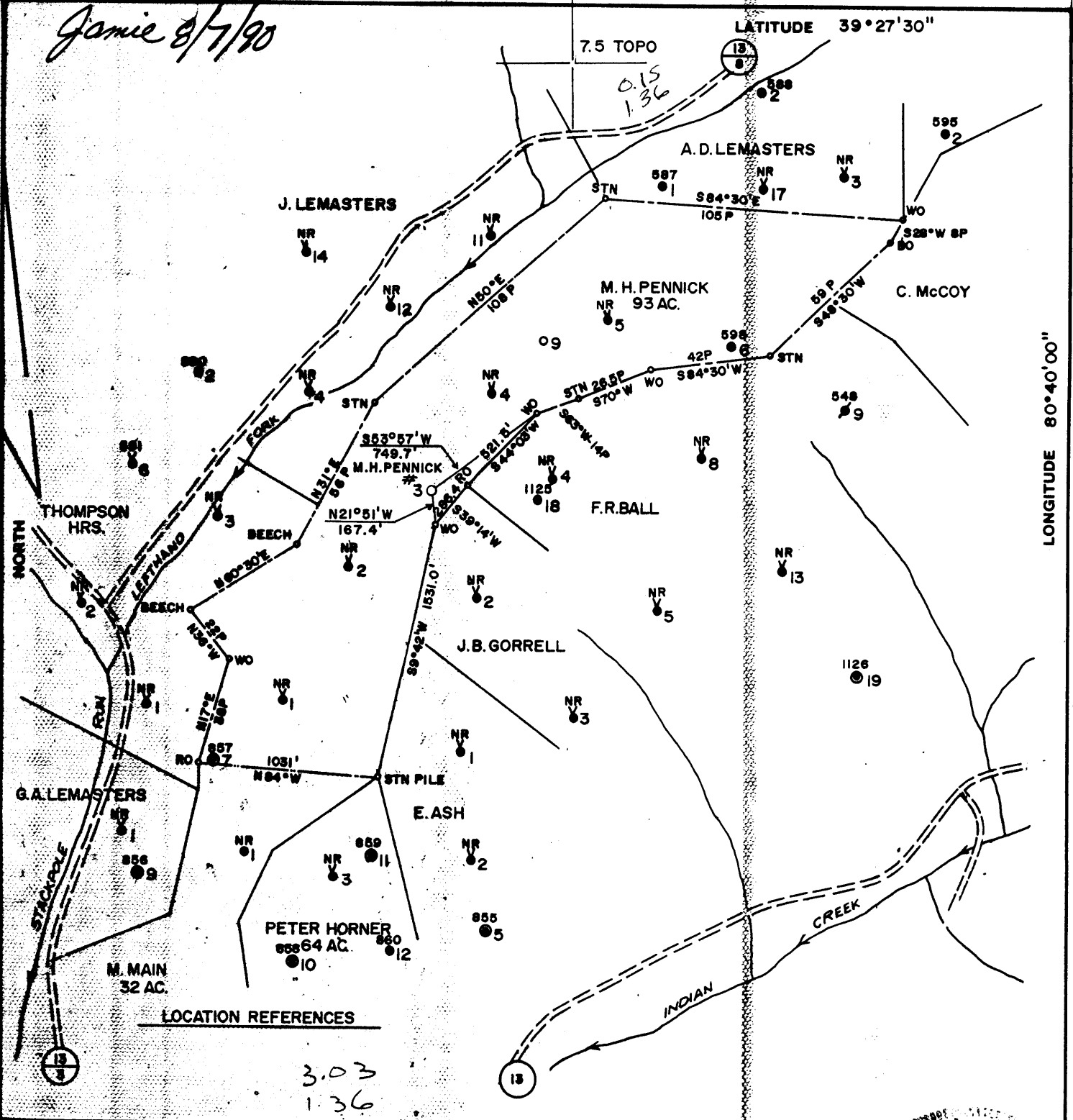
PROPOSED WORK: DRILL CONVERT ___ DRILL DEEPER ___ REDRILL FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) ___

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION FRESH WATER ZONE ESTIMATED DEPTH 545'
 WELL OPERATOR PENNZOIL PRODUCTS CO. DESIGNATED AGENT JAMES A. CREWS
 ADDRESS P.O. BOX 5519 VIENNA, WV 26105
 ADDRESS P.O. BOX 5519 VIENNA, WV 26105

FORM IV-6 (8-78)

TYLER 1415-X

Janie 8/7/90

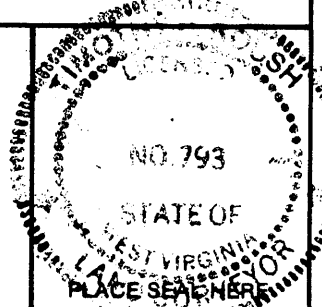


LOCATION REFERENCES

3.03
1.36

FILE NO. 1699
 MAP N47 SQS NI W4
 SCALE 1" = 800'
 MINIMUM DEGREE OF ACCURACY 1 IN 200'
 PROVEN SOURCE OF ELEVATION PENNZOIL COMPANY RECORDS

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) *Timothy P. Roush*
 TIMOTHY P. ROUSH PS. 793



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE MAY 20 1990
 FARM M.H. PENNICK NO. 3
 API WELL NO.

47 - 095 - 1415-X

(*) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION ___ WASTE DISPOSAL ___ OBSERVATION
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 1,144' WATER SHED LEFTHAND FORK

STATE COUNTY PERMIT
Redrill Pre 1929 old 1897 well for observation of ground water

DISTRICT McELROY 5 COUNTY TYLER
 QUADRANGLE CENTER POINT 75' a 15' NW

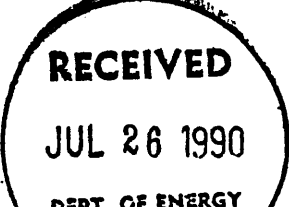
SURFACE OWNER S.J. MCINTYRE & H.R. WRIGHT ACREAGE 93 AC.
 OIL & GAS ROYALTY OWNER PENNZOIL COMPANY LEASE ACREAGE 93 AC.

LEASE NO. RG-2165-00
 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 FRESH WATER ZONE ESTIMATED DEPTH 545'
 WELL OPERATOR PENNZOIL PRODUCTS CO. DESIGNATED AGENT JAMES A. CREWS
 ADDRESS P.O. BOX 5519 ADDRESS P.O. BOX 5519

AUG 10 1990

VIENNA, WV 26105 *673* VIENNA, WV 26105



Issued 8/10/90
Expires 8/10/92
095-1415-Red.

FORM WW-2B

Page 3 of 4

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

- 1) Well Operator: Pennzoil Products Company 37450 (5) 286
- 2) Operator's Well Number: M. H. Pennick No. 3 3) Elevation: 1144'
- 4) Well type: (a) Oil or Gas Observation
(b) If Gas: Production Underground Storage
Deep Shallow
- 5) Proposed Target Formation(s): Fresh Water Zones
- 6) Proposed Total Depth: 545' feet
- 7) Approximate fresh water strata depths: 445'
- 8) Approximate salt water depths: NA
- 9) Approximate coal seam depths: NA
- 10) Does land contain coal seams tributary to active mine? Yes No
- 11) Proposed Well Work: Redrill abandoned well to 100' below fresh water for observation purposes only.
- 12)

CASING AND TUBING PROGRAM

*Redrill
1997 well
for observation only
CEMENT*

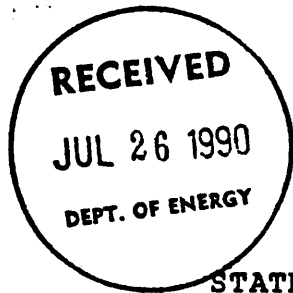
| TYPE | SPECIFICATIONS | | | FOOTAGE INTERVALS | | |
|--------------|----------------|-------|----------------|-------------------|--------------|-------------------|
| | Size | Grade | Weight per ft. | For drilling | Left in well | Fill-up (cu. ft.) |
| Conductor | | | | | | |
| Fresh Water | 5-1/2"* | J-55 | 15.5# | 545' | 545' | Cement to surface |
| Coal | | | | | | |
| Intermediate | | | | | | |
| Production | | | | | | |
| Tubing | | | | | | |
| Liners | | | | | | |

PACKERS : Kind *Run up to 5-1/2" casing as downhole conditions allow.
Sizes _____
Depths set _____

For Division of Oil and Gas Use Only

1326
21

Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond Blanket sure Agent



1) Date: July 20, 1990
2) Operator's well number M. H. Pennick No. 3
3) API Well No: 47 - 095 - 1415-RED
State - County - Permit

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:
(a) Name S.J. McIntyre & H.R. Wright
Address c/o Helen Brunner
1646 - 22nd Ave.
(b) Name San Francisco, CA 94122
Address _____
(c) Name _____
Address _____
6) Inspector Glen P. Robinson
Address P. O. Box 1
Bellville, WV 26133
Telephone (304)- 863-8766

5) (a) Coal Operator:
Name _____
Address _____
(b) Coal Owner(s) with Declaration
Name _____
Address _____
Name _____
Address _____
(c) Coal Lessee with Declaration
Name _____
Address _____

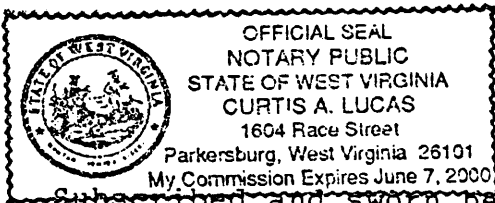
TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

_____ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR
X Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through _____ on the above named parties, by:
_____ Personal Service (Affidavit attached)
X Certified Mail (Postmarked postal receipt attached)
_____ Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application. I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator Pennzoil Products Company
By: Timothy P. Roush
Its: Supervisor, Surveying/Mapping
Address P. O. Box 5519
Vienna, WV 26105-5519
Telephone (304) 422-6565



Subscribed and sworn before me this 20th day of July, 1990
Curtis A. Lucas Notary Public
My commission expires June 7, 2000