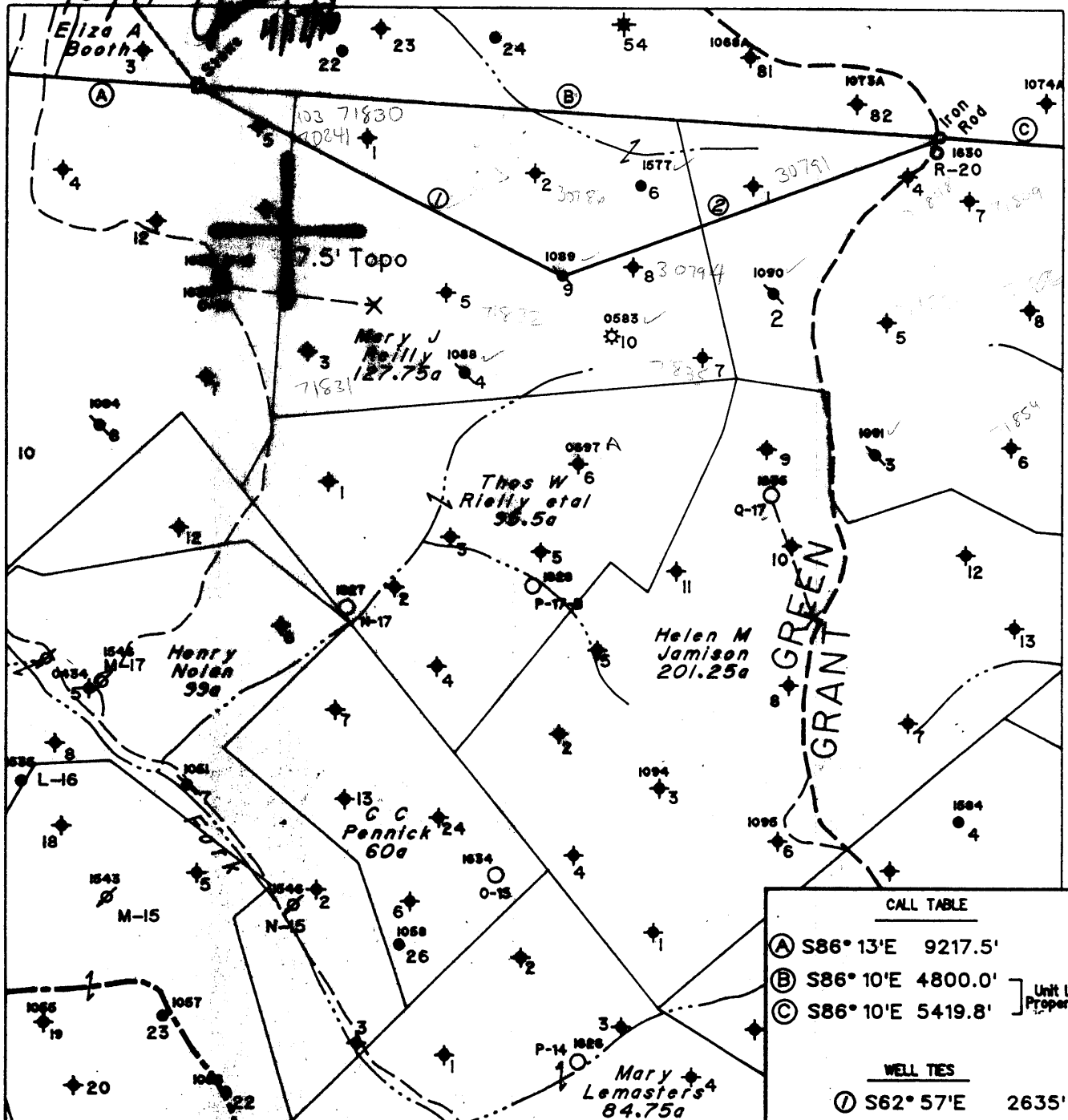


10,800'

LATITUDE 39° 30' 00"

LONGITUDE 80° 37' 30"

8/30/94



Note: No Known Water Supply Sources Are Located Within 1000' Of Proposed Well

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

CALL TABLE	
(A)	S86° 13'E 9217.5'
(B)	S86° 10'E 4800.0'
(C)	S86° 10'E 5419.8'

Unit Line & Property Line

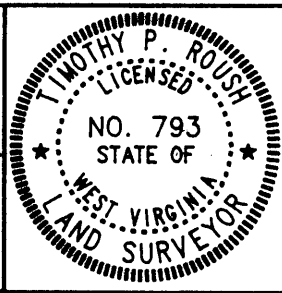
  

WELL TES	
(1)	S62° 57'E 2635'
(2)	S70° 13'W 2596'

FILE NO. 1083  
 MAP NO. N58 N 4 S E W 2  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1 in 200  
 PROVEN SOURCE OF ELEVATION USGS BM - 902'

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  
 DIVISION OF ENERGY  
 OIL AND GAS SECTION



DATE August 19, 19 94  
 FARM Mary J. Reilly NO. 9  
 API WELL NO. 47-103-1089 P

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
 (IF "GAS") PRODUCTION  STORAGE  DEEP  SHALLOW   
 LOCATION: ELEVATION 1297' WATERSHED Piney Fork  
 DISTRICT Green COUNTY Wetzel  
 QUADRANGLE Centerpoint  
 SURFACE OWNER State of West Virginia ACREAGE 128 Ac.  
 OIL & GAS ROYALTY OWNER Pennzoil Products Co. et al. LEASE ACREAGE 253 Ac.  
 LEASE NO. 15543-50  
 PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) Side-Track Well

PLUG AND ABANDON  CLEAN OUT AND REPLUG   
 TARGET FORMATION Gordon ESTIMATED DEPTH 3212'  
 WELL OPERATOR Pennzoil Products Company DESIGNATED AGENT James A. Crews  
 ADDRESS P. O. Box 5519 ADDRESS P. O. Box 5519  
Vienna, W.Va. 26105 Vienna, W.Va. 26105

APR 19 1996

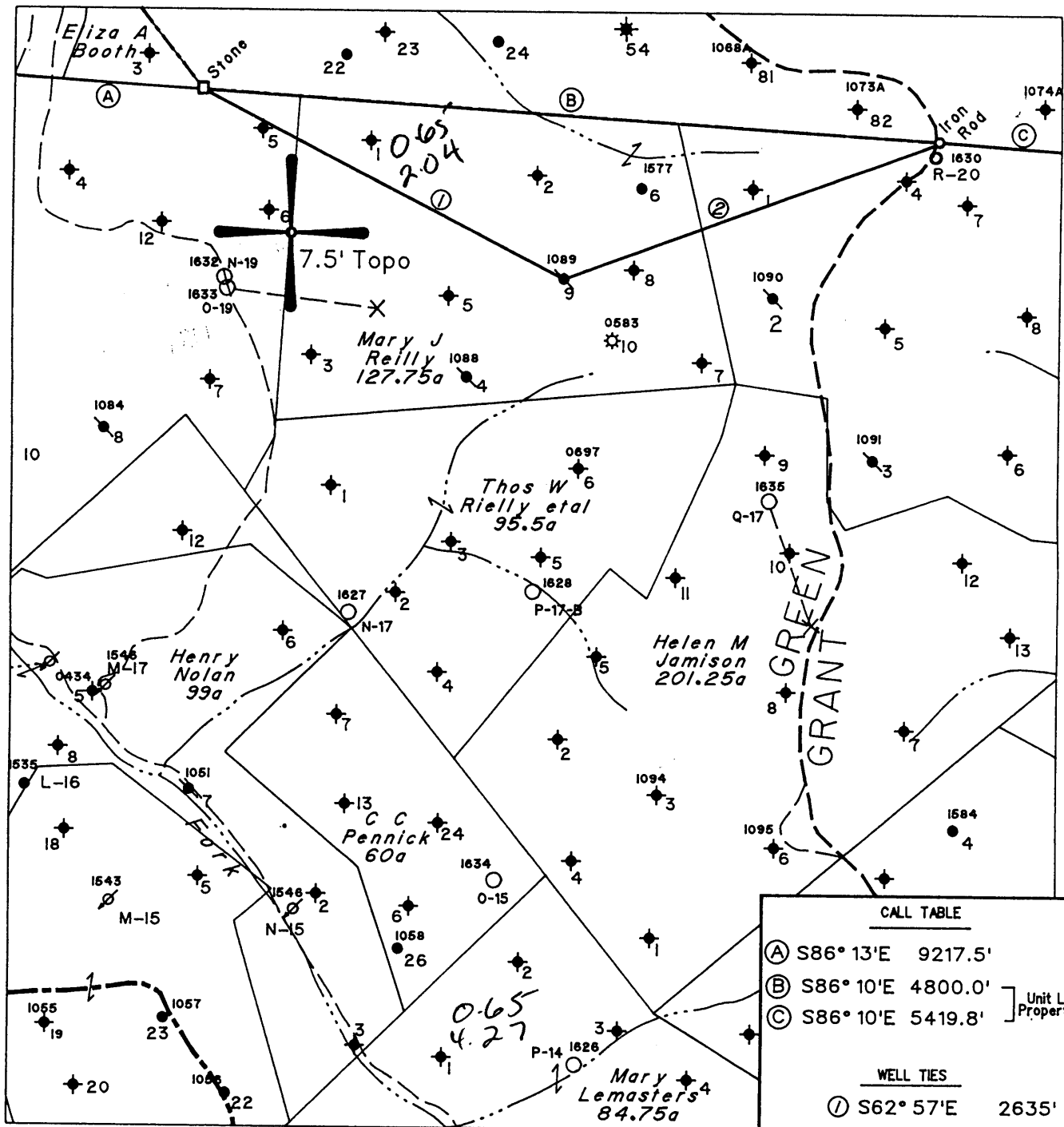
FORM IV-6

WET 1089-S-P

10,800'

LATITUDE 39° 30' 00"

LONGITUDE 80° 37' 30"



CALL TABLE	
(A)	S86° 13'E 9217.5'
(B)	S86° 10'E 4800.0'
(C)	S86° 10'E 5419.8'

Unit Line & Property Line

WELL TIES	
①	S62° 57'E 2635'
②	S70° 13'W 2596'

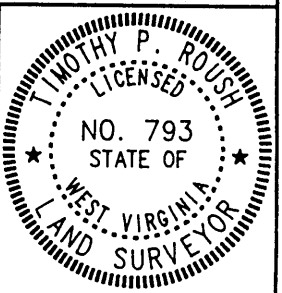
Note: No Known Water Supply Sources Are Located Within 1000' Of Proposed Well

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

FILE NO. 1083  
 MAP NO. N58 N 4 S E W 2  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1 in 200  
 PROVEN SOURCE OF ELEVATION USGS BM - 902'

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  
 DIVISION OF ENERGY  
 OIL AND GAS SECTION

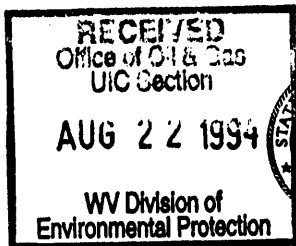


DATE August 19, 19 94  
 FARM Mary J. Reilly NO. 9  
 API WELL NO. 47-103-1089-S

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
 (IF "GAS") PRODUCTION  STORAGE  DEEP  SHALLOW   
 LOCATION: ELEVATION 1297' WATERSHED Piney Fork  
 DISTRICT Green COUNTY Wetzel  
 QUADRANGLE Centerpoint NC  
 SURFACE OWNER State of West Virginia ACREAGE 128 Ac.  
 OIL & GAS ROYALTY OWNER Pennzoil Products Co. et.al. LEASE ACREAGE 253 Ac.  
 LEASE NO. 15543-50  
 PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) Side-Track Well  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG   
 TARGET FORMATION Gordon ESTIMATED DEPTH 3212'  
 WELL OPERATOR Pennzoil Products Company DESIGNATED AGENT James A. Crews  
 ADDRESS P. O. Box 5519 ADDRESS P. O. Box 5519  
673 ADDRESS Vienna, W.Va. 26105 ADDRESS Vienna, W.Va. 26105

SEP 20 1994

FORM IV-6



- 1) Date: August 19, 19 94
- 2) Operator's Well No. Mary J. Reilly No. 9
- 3) SIC Code
- 4) API Well NO. 47 State 103 County 1089 -LI Permit
- 5) UIC Permit No.

*Issued 09/09/94*

STATE OF WEST VIRGINIA  
NOTICE OF LIQUID INJECTION OR WASTE DISPOSAL WELL WORK PERMIT APPLICATION  
for the  
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

*Expires 09/09/96*

19701

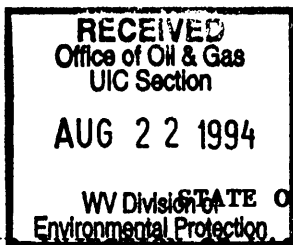
- 6) WELL TYPE: Liquid injection  / Gas injection (not storage) \_\_\_\_\_ / Waste disposal \_\_\_\_\_
- 7) LOCATION: Elevation: 1297' 5 Watershed: Piney Fork 286  
District: GREEN County: WETZEL Quadrangle: Centerpoint
- 8) WELL OPERATOR Pennzoil Products Co. 37450  
Address P.O. BOX 5519 4670  
VIENNA, WV 26105
- 9) DESIGNATED AGENT James A. Crews  
Address P.O. BOX 5519  
VIENNA, WV 26105
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED  
Name Mike Underwood  
Address Route 2, Box 135  
Salem, WV 26426
- 11) DRILLING CONTRACTOR:  
Name \_\_\_\_\_  
Address \_\_\_\_\_
- 12) PROPOSED WELL WORK: Drill \_\_\_\_\_ / Drill deeper \_\_\_\_\_ / Redrill \_\_\_\_\_ / Stimulate \_\_\_\_\_  
Plug off old formation \_\_\_\_\_ / Perforate new formation \_\_\_\_\_ / Convert \_\_\_\_\_  
Other physical change in well (specify) Sidetrack well approx. 30'
- 13) GEOLOGICAL TARGET FORMATION, Gordon 419 Depth 3194 feet(top) to 3207 feet(bottom)
- 14) Estimated depth of completed well, (or actual depth of existing well) 3240 ft.
- 15) Approximate water strata depths; Fresh, N/A feet; salt, N/A feet.
- 16) Approximate coal seam depths: 1100'
- 17) Is coal being mined in the area? Yes \_\_\_\_\_ / No  /
- 18) Virgin reservoir pressure in target formation 1260 psig. Source Estimated
- 19) Estimated reservoir fracture pressure 3500 psig (BHFP)
- 20) MAXIMUM PROPOSED INJECTION OPERATIONS: Volume per hour: 25 Bottom hole pressure 2332
- 21) DETAILED IDENTIFICATION OF MATERIALS TO BE INJECTED, INCLUDING ADDITIVES: Fresh water, produced water, bactericides and other chemicals as needed to maintain water quality and improve oil recovery.
- 22) FILTERS (IF ANY): Cartridge filters and/OR coal bed filters
- 23) SPECIFICATIONS FOR CATHODIC PROTECTION AND OTHER CORROSION CONTROL: \_\_\_\_\_

24) 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		
Conductor									Kinds
Fresh water	See original well record								
Coal									Sizes
Intermediate									
Production	3 1/2"	J-55	9.2	X		3240	3240	30 sks.	Depths set
Tubing	1 1/2"					2800	2800		2800
Liners									Perforations:
									Top Bottom

- 25) APPLICANT'S OPERATING RIGHTS were acquired from Mary J. Reilly, et al  
by deed \_\_\_\_\_ / lease  / other contract \_\_\_\_\_ / dated September 23, 1895, of record in the  
WETZEL County Clerk's office in Lease Book 49 at page 274

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



1) Date August 19, 1994  
Operator's  
2) Well No. M.J. REILLY #9  
3) SIC Code  
4) API Well No. 47 - 103 - 1089 3  
State County Permit

NOTICE OF LIQUID INJECTION OR WASTE DISPOSAL WELL WORK PERMIT APPLICATION  
for the

DIVISION OF OIL AND GAS, DEPARTMENT OF ENERGY

- 6) SURFACE OWNER(S) OF RECORD TO BE SERVED
- (i) Name WV Public Land Corporation  
Address Bldg. #3, Room 643  
1900 Kanawha Blvd. E.
  - (ii) Name Charleston, WV 25305  
Address \_\_\_\_\_
  - (iii) Name Dep't. of Natural Resources  
Address 1304 Goose Run Road  
Fairmont, WV 26554 Attn: Gary Foster
- 7 (i) COAL OPERATOR N/A  
Address \_\_\_\_\_
- 7 (ii) COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name \_\_\_\_\_  
Address \_\_\_\_\_
- 7 (iii) COAL LESSEE WITH DECLARATION ON RECORD:  
Name \_\_\_\_\_  
Address \_\_\_\_\_

TO THE PERSON(S) NAMED ABOVE: You should have received this Form and the following documents:

- (1) The Application for a Liquid Injection or Waste Disposal Well Work Permit on Form WW-3(B), which sets out the parties involved in the drilling or other work, and
- (2) The plat (surveyor's map) showing the well location on Form WW-6; and
- (3) The Construction and Reclamation Plan on Form WW-9 (unless the well work is only to plug a well), which sets out the plan for erosion and sediment control and for reclamation for the site and access road.

The date proposed for the first injection or waste disposal is \_\_\_\_\_, 19\_\_\_\_.

THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION (FORM WW-3(B)) DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22B of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Well Work Permit with the Director of the Division of Oil and Gas, West Virginia Department of Energy, with respect to a well at the location described on the attached Application and depicted on attached Form WW-6. Copies of this Notice, the Application, the plat, and the Construction and Reclamation Plan have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Director.

The person signing this document shall make the following certification:

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document 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.

Pennzoil Products Company

Well Operator

By [Signature] Timothy P. Roush

Its Supervisor, Surveying/Mapping

Telephone (304) 422-6565

STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION  
SECTION OF OIL AND GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT 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: WVA. PUBLIC LAND CO. Operator Well No.: MARY REILLY #9

LOCATION: Elevation: 1,297.00 Quadrangle: CENTER POINT  
District: GREEN County: WETZEL  
Latitude: 3500 Feet South of 39 Deg. 30 Min. 0 Sec.  
Longitude 10800 Feet West of 80 Deg. 37 Min. 30 Sec.

Well Type: OIL \_\_\_\_\_ GAS \_\_\_\_\_ Liquid Injection X

Company: Pennzoil Products Company Coal Operator NA  
P. O. Box 5519 or Owner \_\_\_\_\_  
Vienna, WV 26105-5519 \_\_\_\_\_

Agent: Philip S. Ondrusek Coal Operator NA  
or Owner \_\_\_\_\_

Permit Issued: 04/16/96

AFFIDAVIT

STATE OF WEST VIRGINIA,  
County of Wood ss:

Rickey A. Ince and Leroy Snodgrass 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 the above named well operator, and participated in the work of plugging and filling the above well, and Mike Underwood Oil and Gas Inspector representing the Director, say that said work was commenced on the 11th day of January, 1996, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Verbal permission to plug				
15 sks. Cement	2548'	2413'	4" liner 300'	259'
16 sks. Cement	1420'	1280'	5-3/16" csg. 135'	2536'
16 sks. Cement	1136'	980'		
18 sks. Cement	400'	250'		
35 sks. Cement	185'	85'		
75 sks. Cement	50'	Surface		
6% gel between all cement plugs.				

WJ 5/28/96

Description of monument: 7" 4' tall csg.  
and that the work of plugging and filling said well was completed on the 17th day of January, 1996

And further deponents saith not.

Rickey A. Ince  
Leroy Snodgrass  
Dirk F. Anderson  
Notary Public

Sworn and subscribe before me this 17th day of May, 1996

My commission expires: 10/3/2000  
NOTARY PUBLIC  
STATE OF WEST VIRGINIA  
DIRK F. ANDERSON  
601 Grand Central Avenue  
Vienna, West Virginia 26105  
My Commission Expires Oct. 3, 2000



Oil and Gas Inspector: \_\_\_\_\_

MAY 30 1996