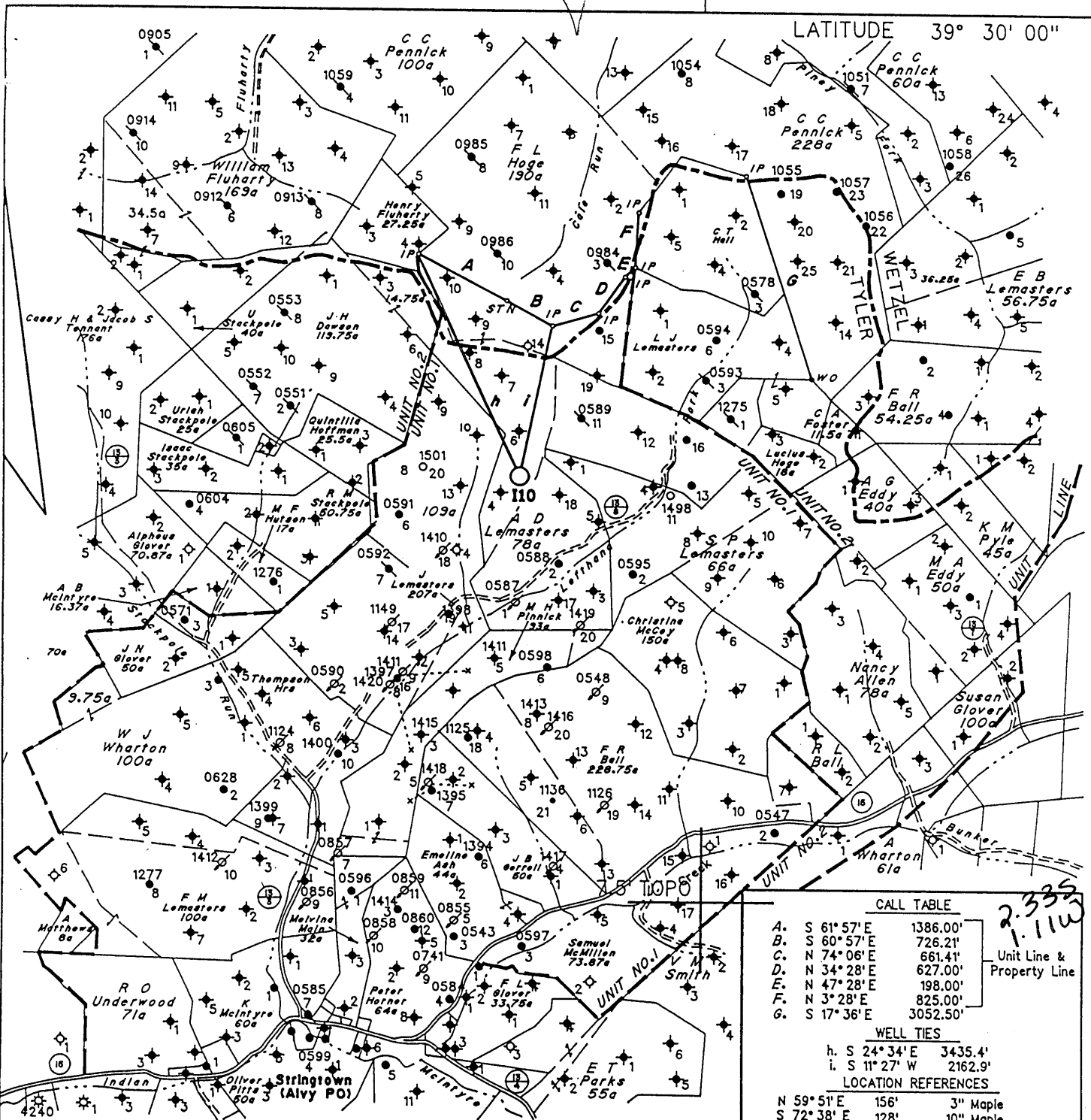


5,900'

LATITUDE 39° 30' 00"

LONGITUDE 80° 40' 00"



(\*) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

| CALL TABLE |             |          |
|------------|-------------|----------|
| A.         | S 61° 57' E | 1386.00' |
| B.         | S 60° 57' E | 726.21'  |
| C.         | N 74° 06' E | 661.41'  |
| D.         | N 34° 28' E | 627.00'  |
| E.         | N 47° 28' E | 198.00'  |
| F.         | N 3° 28' E  | 825.00'  |
| G.         | S 17° 36' E | 3052.50' |

Unit Line & Property Line

WELL TIES

|    |             |         |
|----|-------------|---------|
| h. | S 24° 34' E | 3435.4' |
| i. | S 11° 27' W | 2162.9' |

LOCATION REFERENCES

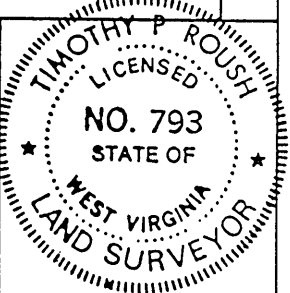
|             |      |           |
|-------------|------|-----------|
| N 59° 51' E | 156' | 3" Maple  |
| S 72° 38' E | 128' | 10" Maple |
| S 44° 25' E | 137' | 5" Maple  |

2.335  
1.11W

FILE NO. 1769  
 MAP NO. N47 N      S      E      W       
 SCALE 1" = 2000'  
 MINIMUM DEGREE OF ACCURACY 1 in 200  
 PROVEN SOURCE OF ELEVATION A.D. Lemasters No. 1  
(47-095-0587) = 885.08'

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 21, 1992  
STRINGTOWN UNIT NO. 1 WELL 110  
 API WELL NO. 47-095-1502-F

WELL TYPE: OIL X GAS      LIQUID INJECTION      WASTE DISPOSAL       
 (IF "GAS") PRODUCTION      STORAGE      DEEP      SHALLOW       
 LOCATION: ELEVATION 1220' WATERSHED Lefthand Fork  
 DISTRICT McElroy COUNTY Tyler  
 QUADRANGLE Centerpoint

SURFACE OWNER C.I. & Frances Wadsworth ACREAGE 103.13 Ac.  
 OIL & GAS ROYALTY OWNER Pennzoil Products Co. et al. LEASE ACREAGE 1815 Ac.  
 LEASE NO. 57032-00

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

PLUG AND ABANDON      CLEAN OUT AND REPLUG       
 TARGET FORMATION Gordon ESTIMATED DEPTH 3210'  
 WELL OPERATOR Pennzoil Products Company DESIGNATED AGENT James A. Crews  
 ADDRESS P. O. Box 5519 ADDRESS P. O. Box 5519  
Vienna, W.Va. 26105 4670 ADDRESS Vienna, W.Va. 26105

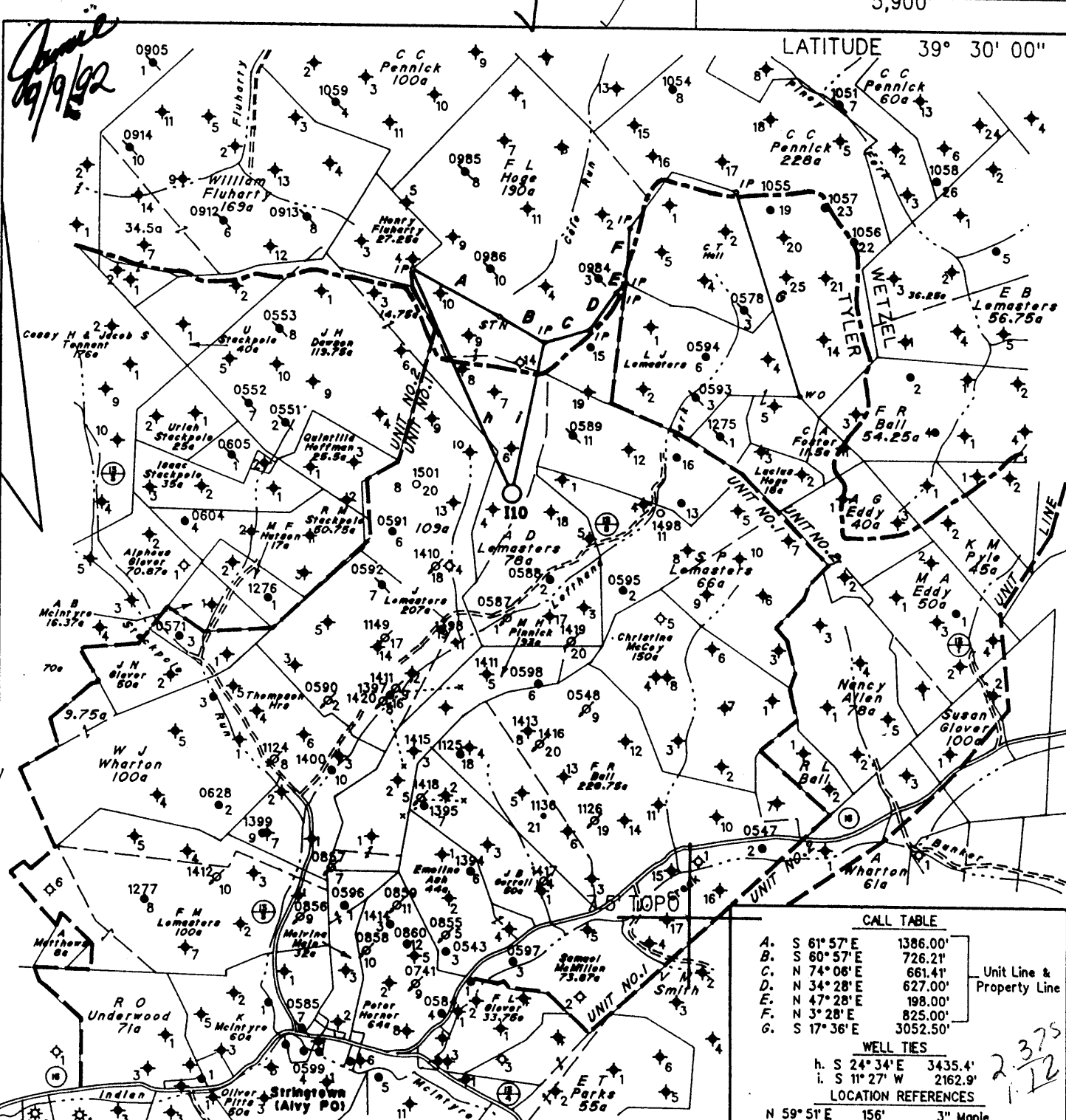
APR 1 1 1997

FORM IV-6

5,900'

LATITUDE 39° 30' 00"

12,400'



| CALL TABLE     |          |                           |
|----------------|----------|---------------------------|
| A. S 61° 57' E | 1386.00' | Unit Line & Property Line |
| B. S 60° 57' E | 726.21'  |                           |
| C. N 74° 06' E | 661.41'  |                           |
| D. N 34° 28' E | 627.00'  |                           |
| E. N 47° 28' E | 198.00'  |                           |
| F. N 3° 28' E  | 825.00'  |                           |
| G. S 17° 36' E | 3052.50' |                           |

| WELL TIES      |         |       |
|----------------|---------|-------|
| h. S 24° 34' E | 3435.4' | 2 3/2 |
| i. S 11° 27' W | 2162.9' |       |

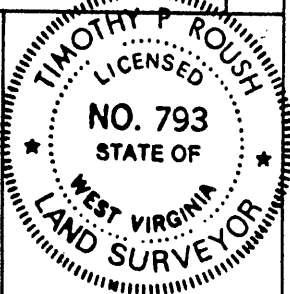
| LOCATION REFERENCES |      |           |
|---------------------|------|-----------|
| N 59° 51' E         | 156' | 3" Maple  |
| S 72° 38' E         | 128' | 10" Maple |
| S 44° 25' E         | 137' | 5" Maple  |

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

FILE NO. 1769  
 MAP NO. N47 N      S      E      W       
 SCALE 1" = 2000'  
 MINIMUM DEGREE OF ACCURACY 1 in 200  
 PROVEN SOURCE OF ELEVATION A.D. Lemasters No.1  
(47-095-0587) = 885.08'

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 21, 19 92  
 STRINGTOWN UNIT NO. 1 WELL 110 I-10  
 API WELL NO. 47-095-1502-41

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
 (IF "GAS") PRODUCTION  STORAGE  DEEP  SHALLOW   
 LOCATION: ELEVATION 1220' WATERSHED Lefthand Fork  
 DISTRICT McElroy COUNTY Tyler  
 QUADRANGLE Centerpoint W.V. N.C.  
 SURFACE OWNER C.I. & Frances Wadsworth ACREAGE 103.13 Ac.  
 OIL & GAS ROYALTY OWNER Pennzoil Products Co. et al. LEASE ACREAGE 1815 Ac.  
 LEASE NO. 57032-00  
 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 Gordon ESTIMATED DEPTH 3210'  
 WELL OPERATOR Pennzoil Products Company DESIGNATED AGENT James A. Crews  
 ADDRESS P. O. Box 5519 ADDRESS P. O. Box 5519  
Vienna, W.Va. 26105 673 ADDRESS Vienna, W.Va. 26105

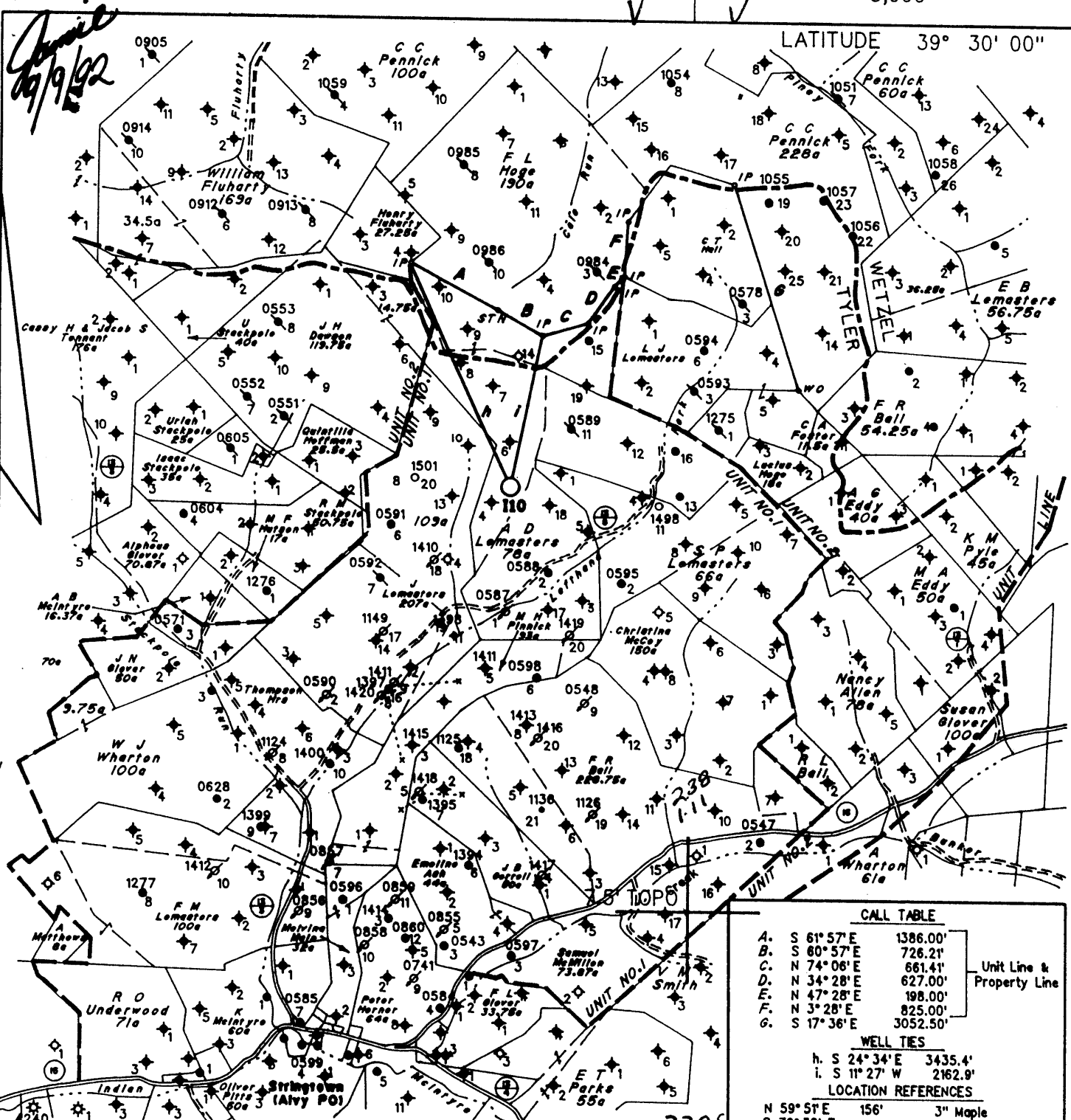
09/19/92

TYLER 1502

5,900'

LATITUDE 39° 30' 00"

LONGITUDE 80° 40' 00"



| CALL TABLE |             |          |
|------------|-------------|----------|
| A.         | S 61° 57' E | 1386.00' |
| B.         | S 60° 57' E | 726.21'  |
| C.         | N 74° 06' E | 661.41'  |
| D.         | N 34° 28' E | 627.00'  |
| E.         | N 47° 28' E | 198.00'  |
| F.         | N 3° 28' E  | 825.00'  |
| G.         | S 17° 36' E | 3052.50' |

| WELL TIES |             |         |
|-----------|-------------|---------|
| h.        | S 24° 34' E | 3435.4' |
| i.        | S 11° 27' W | 2162.9' |

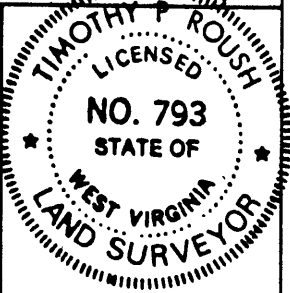
| LOCATION REFERENCES |      |           |
|---------------------|------|-----------|
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| S 44° 25' E         | 137' | 5" Maple  |

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

FILE NO. 1769  
 MAP NO. N47 N      S      E      W       
 SCALE 1" = 2000'  
 MINIMUM DEGREE OF ACCURACY 1 in 200  
 PROVEN SOURCE OF ELEVATION A.D. Lemasters No.1  
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(SIGNED) Timothy P. Roush  
 TIMOTHY P. ROUSH PS 793



STATE OF WEST VIRGINIA  
 DIVISION OF ENERGY  
 OIL AND GAS SECTION



DATE August 21, 1992  
STRINGTOWN UNIT NO. 1 WELL 110  
 API WELL NO. 47-095-1502

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
 (IF "GAS") PRODUCTION  STORAGE  DEEP  SHALLOW   
 LOCATION: ELEVATION 1220' WATERSHED Lefthand Fork  
 DISTRICT McElroy 5 COUNTY Tyler  
 QUADRANGLE Centerpoint + 15' NW  
 SURFACE OWNER C.I. & Frances Wadsworth ACREAGE 103.13 Ac.  
 OIL & GAS ROYALTY OWNER Pennzoil Products Co. et al. LEASE ACREAGE 1815 Ac.  
 LEASE NO. 57032-00  
 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 Gordon ESTIMATED DEPTH 3210'  
 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  
 SEP 11 1992  
Jacksonburg-Stringtown (095)

APR 10 1996

State of West Virginia  
Division of Environmental Protection  
Section of Oil and Gas

Permitting  
Office of Oil & Gas

Well Operator's Report of Well Work

A.D.

Farm name: WALTERS, C.I. & FRANCES

Operator Well No.: LEMASTERS I-10

LOCATION: Elevation: 1,220

Quadrangle: CENTERPOINT

District: MCELROY

County: TYLER

Latitude: 12,400 Feet south of

39 Deg 30 Min 0 Sec.

Longitude: 5,900 Feet west of

80 Deg 40 Min 0 Sec.

Company: PENNZOIL PRODUCTS COMPANY  
P.O. BOX 5519  
VIENNA, WV 26105-5519

Agent: PHILIP S. ONDRUSEK

Inspector: MIKE UNDERWOOD

Permit Issued: 2/27/96

Well work Commenced: 3/1/96

Well work Completed: 3/2/96

Verbal plugging permission granted on:

Rotary X Cable        Rig       

Total Depth (feet)        3,221

Fresh water depths (ft)        NA

Salt water depths (ft)        NA

Is coal being mined in area (Y/N)        N

Coal Depths (ft):        NA

| Casing & Tubing | Used in Drilling | Left in Well | Cement Fill Up Cu. Ft. |
|-----------------|------------------|--------------|------------------------|
| Size            |                  |              |                        |
| 1 1/4"          | 32'              | 32'          |                        |
| 8-5/8"          | 470'             | 470'         | To Surface<br>250 SKS  |
| 4 1/2"          | 3193.35'         | 3193.35'     | 300 SKS                |
|                 |                  |              |                        |
|                 |                  |              |                        |

\*This has always been an Injection Well, but was somehow permitted as a producer.

OPEN FLOW DATA

(Waterflood Injection Well)

SEE ATTACHMENT

Producing formation        GORDON        Pay zone depth (ft)        3105-3150

Gas: Initial open flow        \* MCF/d Oil: Initial open flow        \* Bbl/d

Final open flow        \* MCF/d Final open flow        \* Bbl/d

Time of open flow between initial and final tests        \* Hours

Static rock pressure        \* psig (surface pressure)        after        \* Hours

Second producing formation               Pay zone depth (ft)       

Gas: Initial open flow        MCF/d Oil: Initial open flow        Bbl/d

Final open flow        MCF/d Final open flow        Bbl/d

Time of open flow between initial and final tests        Hours

Static rock pressure        psig (surface pressure)        after        Hours

NOTE: ON BACK OF THIS FORM, PUT THE FOLLOWING: 1) DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2) THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: PENNZOIL PRODUCTS COMPANY

By:

Date:

Philip Ondrusek  
4/8/96

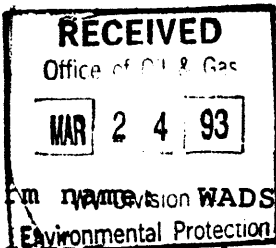
TREATMENT:

Perforated Gordon with 10 Holes 3126' - 3131'  
Treated with 500 Gal. HCL Acid, 283 Bbls. Gelled Water, & 2000# 20/40 Sand.

WELL LOG:

|              |             |
|--------------|-------------|
| Sand & Shale | 0 - 555     |
| Sand         | 555 - 562   |
| Sand & Shale | 562 - 765   |
| Sand         | 765 - 790   |
| Sand & Shale | 790 - 910   |
| Sand         | 910 - 930   |
| Sand & Shale | 930 - 1090  |
| Sand         | 1090 - 1140 |
| Sand & Shale | 1140 - 1460 |
| Sand         | 1460 - 1510 |
| Sand & Shale | 1510 - 1850 |
| Sand         | 1850 - 1870 |
| Sand & Shale | 1870 - 2075 |
| Sand         | 2075 - 2100 |
| Shale        | 2100 - 3105 |
| Gordon       | 3105 - 3150 |
| T.D.         | 3221        |

**RECEIVED**  
 NY Division of  
 Environmental Protection  
 APR 10 1996  
 Permitting  
 Office of Oil & Gas



State of West Virginia  
Division of Environmental Protection  
Section of Oil and Gas

Well Operator's Report of Well Work

Field Name: WADSWORTH, C.I. & FRANCES Operator Well No.: STRINGTWN#1-110

*Ad Lamasters*

LOCATION: Elevation: 1220.00      Quadrangle: CENTER POINT

District: MCELROY      County: TYLER  
Latitude: 12400 Feet South of 39 Deg. 30Min. 0 Sec.  
Longitude 5900 Feet West of 80 Deg. 40 Min. 0 Sec.

Company: PENNZOIL PRODUCTS COMPANY  
P. O. BOX 5519  
VIENNA, WV 26105-5519

Agent: JAMES A. CREWS

Inspector: MIKE UNDERWOOD  
Permit Issued: 09/09/92  
Well work Commenced: 9/15/92  
Well work Completed: 12/10/92  
Verbal Plugging  
Permission granted on: \_\_\_\_\_  
Rotary X Cable \_\_\_\_\_ Rig \_\_\_\_\_  
Total Depth (feet) 3221'  
Fresh water depths (ft) N/A

| Casing & Tubing Size | Used in Drilling | Left in Well | Cement Fill Up Cu. Ft. |
|----------------------|------------------|--------------|------------------------|
| 11 3/4               | 32'              | 32'          |                        |
| 8 5/8                | 470              | 470          | To Surface<br>250 Sks. |
| 4 1/2                | 3193.35          | 3193.35      | 300 Sks.               |
|                      |                  |              |                        |
|                      |                  |              |                        |

Salt water depths (ft) N/A

Is coal being mined in area (Y/N)? N  
Coal Depths (ft): N/A

OPEN FLOW DATA (Water Injection Well)

Producing formation Gordon Pay zone depth (ft) 3105-3150  
 Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
 Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d  
 Time of open flow between initial and final tests \_\_\_\_\_ Hours  
 Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

Second producing formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_  
 Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
 Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d  
 Time of open flow between initial and final tests \_\_\_\_\_ Hours  
 Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE

For: PENNZOIL PRODUCTS COMPANY  
Timothy P. Roush  
By: \_\_\_\_\_ Supervisor - Surveying/Mapping  
Date: 3-3-93

Reviewed TMG  
Recorded \_\_\_\_\_

**TREATMENT:**

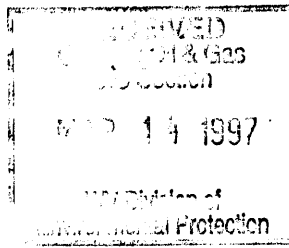
Perforated Gordon with 10 Holes 3126' - 3131'  
Treated with 500 Gal. HCL Acid, 283 Bbls. Gelled Water, & 2000# 20/40 Sand.

**WELL LOG:**

|              |             |
|--------------|-------------|
| Sand & Shale | 0 - 555     |
| Sand         | 555 - 562   |
| Sand & Shale | 562 - 765   |
| Sand         | 765 - 790   |
| Sand & Shale | 790 - 910   |
| Sand         | 910 - 930   |
| Sand & Shale | 930 - 1090  |
| Sand         | 1090 - 1140 |
| Sand & Shale | 1140 - 1460 |
| Sand         | 1460 - 1510 |
| Sand & Shale | 1510 - 1850 |
| Sand         | 1850 - 1870 |
| Sand & Shale | 1870 - 2075 |
| Sand         | 2075 - 2100 |
| Shale        | 2100 - 3105 |
| Gordon       | 3105 - 3150 |
| T.D.         | 3221        |

1 0 89  
Perforating  
Service of Oil & Gas

DF-411  
DFT-419



1) Date March 7, 1997  
 2) Well No. A.D. Lemasters No. I-10  
 3) SIC Code \_\_\_\_\_  
 4) API Well No. 47 - 095 - 1502 - F  
                   State           County           Permit  
 5) UIC Code \_\_\_\_\_

*Issued 04/07/97*  
*Expires 04/07/99*

**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**

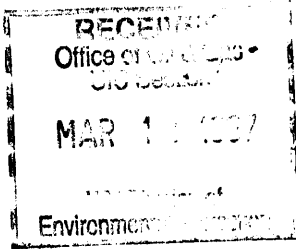
- 23395
- 6) WELL TYPE:           Liquid Injection X           Gas Injection \_\_\_\_\_           Waste Disposal \_\_\_\_\_
- LOCATION:           Elevation 1220           Watershed Left Hand Fork  
                   District McElroy 3 County Tyler           Quadrangle \_\_\_\_\_           Centerpoint 786
- WELL OPERATOR: Pennzoil Products Company 4670  
P.O. Box 5519  
Vienna, WV 26105
- 9) DESIGNATED AGENT: Philip S. Ondrusek  
P.O. Box 5519  
Vienna, WV 26105
- 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 X  
                                   Plug Off Old Formation \_\_\_\_\_   Perforate New Formation \_\_\_\_\_   Convert \_\_\_\_\_  
                                   Other Physical Change in Well (specify) \_\_\_\_\_
- 13) Geological target formation Gordon 419   Depth 3105   Ft. (Top) to 3150   Ft. (Bottom)
- 14) Estimated depth of completed well (or actual depth of existing well) 3221   Ft.
- 15) Approximate water strata depths:   Fresh NA   Ft.           Salt NA   Ft.
- 16) Approximate coal seam depths:                   1000   Ft.
- 17) Is coal being mined in the area?           Yes           X   No
- 18) Virgin reservoir pressure in target formation:           1400   psig.   Source Estimated
- 19) Estimated reservoir fracture pressure:           3500   psig.
- 20) Maximum proposed injection operations:           Volume per hour 25 bbl.           Bottom Hole Pressure 2470
- 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 | Size    | SPECIFICATIONS |        |     |      | FOOTAGE INTERVALS |              | CEMENT FILLUP OR SACKS | PACKERS      |
|-----------------------|---------|----------------|--------|-----|------|-------------------|--------------|------------------------|--------------|
|                       |         | Grade          | Weight | New | Used | For Drilling      | Left in Well |                        |              |
| Conductor             | 11 3/4" |                |        |     |      | 32                | 32           | Existing Casing        | Kinds        |
| Fresh Water           | 8 5/8"  |                |        |     |      | 470               | 470          | Existing Casing        | Tension      |
| Coal                  |         |                |        |     |      |                   |              |                        | Sizes        |
| Intermediate          |         |                |        |     |      |                   |              |                        |              |
| Production            | 4 1/2"  |                |        |     |      | 3193              | 3193         | Existing Casing        | Depths Set   |
| Tubing                |         |                |        |     |      |                   |              |                        |              |
| Liners                |         |                |        |     |      |                   |              |                        | Perforations |
|                       |         |                |        |     |      |                   |              |                        | Top   Bottom |
|                       |         |                |        |     |      |                   |              |                        |              |

25) APPLICANTS OPERATING RIGHTS were acquired from Stringtown Unit Royalty Owners  
 by Deed \_\_\_\_\_ Lease \_\_\_\_\_ Other Contract X Dated \_\_\_\_\_ of record in the  
Wetzel County Clerk's Office in \_\_\_\_\_ Book 69A at Page 123





|                 |                         |        |        |
|-----------------|-------------------------|--------|--------|
| 1) Date         | March 7, 1997           |        |        |
| 2) Well No.     | A.D. Lemasters No. I-10 |        |        |
| 3) SIC Code     |                         |        |        |
| 4) API Well No. | 47                      | 095    | 1502   |
|                 | State                   | County | Permit |

**STATE OF WEST VIRGINIA**  
**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 Sharon L. & Richard C. Neff  
Address Route 1, Box 229  
Middlebourne, WV 26149

(ii) Name \_\_\_\_\_  
Address \_\_\_\_\_

(iii) Name \_\_\_\_\_  
Address \_\_\_\_\_

7 (i) COAL OPERATOR:  
Name N/A  
Address \_\_\_\_\_

7 (ii) COAL OWNER WITH DECLARATION ON RECORD:  
Name N/A  
Address \_\_\_\_\_

7(iii) COAL LESSEE WITH DECLARATION ON RECORD:  
Name N/A  
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 \_\_\_\_\_


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 

Its Supervisor, Surveying/Mapping

Telephone (304) 422-6565

OFFICE USE ONLY  
DRILLING PERMIT

Permit number 47-095-1502-F

April 7th. 19 97  
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 (if required) construction and reclamation plan, subject to any modifications and conditions specified below.

Permit expires 4-7-99 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: <u>JS</u> | Casing: <u>JS</u> | Fee: <u>CK #</u> |
|---|--|-----------------|-------------------|------------------|

0301589404

*[Signature]*  
CHIEF, OFFICE OF OIL AND GAS

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

PERMIT MODIFICATIONS AND CONDITIONS (IF ANY) TO THE PROPOSED WELL WORK

OFFICE USE ONLY

This part of Form IV-3(b) is to record the dates of certain occurrences and any follow-up inspections.

|                       | Date | Follow-up inspection(s) | Date(s) |
|-----------------------|------|-------------------------|---------|
| Application received  |      |                         |         |
| Well work started     |      | " "                     |         |
| Total depth reached   |      | " "                     |         |
| Well Record received  |      | " "                     |         |
| Reclamation completed |      | " "                     |         |

OTHER INSPECTIONS

Reason: \_\_\_\_\_

Reason: \_\_\_\_\_

**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: STRINGTOWN UNIT NO. 1 I10 3) Elevation: 1220'
- 4) Well type: (a) Oil X / or Gas /  
(b) If Gas: Production / Underground Storage /  
Deep / Shallow /
- 5) Proposed Target Formation(s): Gordon
- 6) Proposed Total Depth: 3210 feet
- 7) Approximate fresh water strata depths: 395'
- 8) Approximate salt water depths: >395'
- 9) Approximate coal seam depths: 1024'
- 10) Does land contain coal seams tributary to active mine? Yes / No X
- 11) Proposed Well Work: Drill and stimulate new well
- 12)

**RECEIVED**  
WV Division of  
Environmental Protection  
**AUG 24 02**  
Permitting  
Office of Oil & Gas

**CASING AND TUBING PROGRAM**

| TYPE         | SPECIFICATIONS |       |                | FOOTAGE INTERVALS |              | CEMENT                |
|--------------|----------------|-------|----------------|-------------------|--------------|-----------------------|
|              | Size           | Grade | Weight per ft. | For drilling      | Left in well | Fill-up* (cu. ft.)    |
| Conductor    |                |       |                |                   |              | <u>30CSB11.3</u>      |
| Fresh Water  | 8 5/8          | 6.5   | 20             | 475               | 475          | To Surface            |
| Coal         |                |       |                |                   |              | <u>30CSB11.2.2</u>    |
| Intermediate |                |       |                |                   |              |                       |
| Production   | 4 1/2          | M-50  | 10.5           | 3210              | 3210         | Cement over Salt Sand |
| Tubing       |                |       |                |                   |              | <u>30CSB11.1</u>      |
| Liners       |                |       |                |                   |              |                       |

**PACKERS :** Kind \_\_\_\_\_  
 Sizes \_\_\_\_\_  
 Depths set \_\_\_\_\_

**For Division of Oil and Gas Use Only**

14237  
 1 Fee(s) paid: 1 Well Work Permit 1 Reclamation Fund 1 WPCP  
1 Plat 1 WW-9 1 WW-2B 1 Bond 1 Inventory Blanket Agent

**RECEIVED**  
WV Division of  
Environmental Protection  
**AUG 24 92**  
Permitting  
Office of Oil & Gas

- 1) Date: August 21, 1992
- 2) Operator's well number  
STRINGTOWN UNIT NO. 1 I10
- 3) API Well No: 47 - 095 - 1502  
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 C.I. & Frances Wadsworth  
Address Alvy, WV 26322
  - (b) Name \_\_\_\_\_  
Address \_\_\_\_\_
  - (c) Name \_\_\_\_\_  
Address \_\_\_\_\_
- 5) (a) Coal Operator:
  - Name \_\_\_\_\_  
Address \_\_\_\_\_
  - (b) Coal Owner(s) with Declaration
    - Name \_\_\_\_\_  
Address \_\_\_\_\_
  - (c) Coal Lessee with Declaration
    - Name \_\_\_\_\_  
Address \_\_\_\_\_
- 6) Inspector \_\_\_\_\_  
Address \_\_\_\_\_  
Telephone (304)- \_\_\_\_\_

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

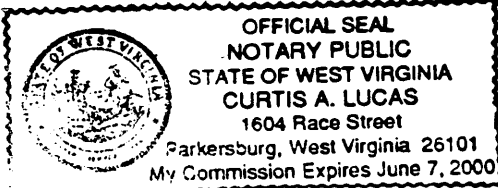
\_\_\_\_\_ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR  
X Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

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  
Telephone (304) 422-6565

Subscribed and sworn before me this 21st day of August, 19 92

Curtis A. Lucas Notary Public  
My commission expires June 7 2000