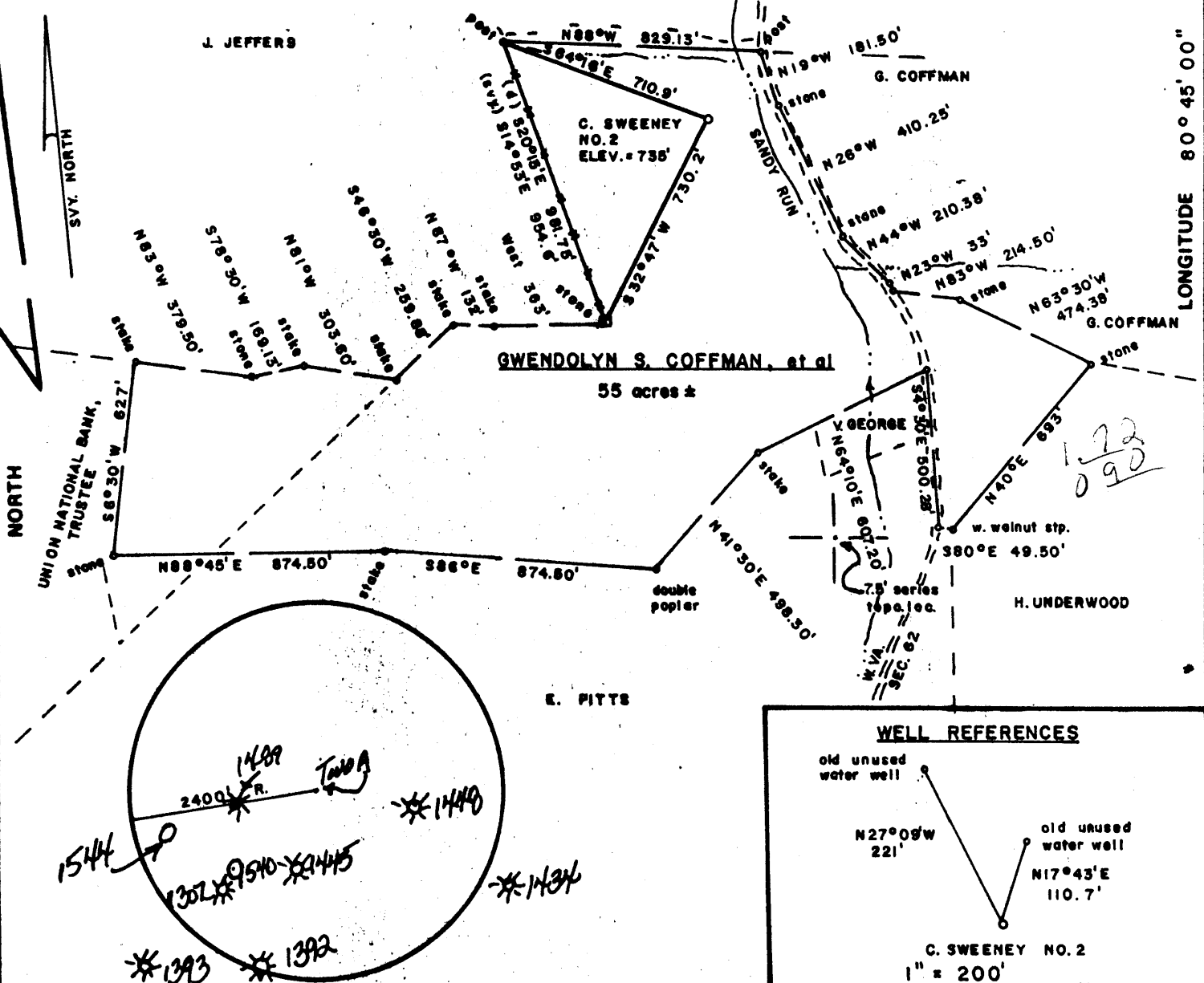


# CLARA SWEENEY HRS.

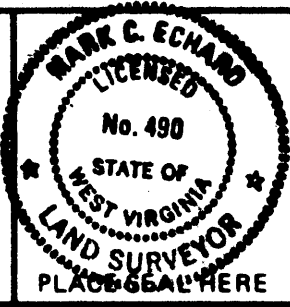
## 55 acres ±

*Janice Thayer*  
*11/10/26/93*



FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1/200  
 PROVEN SOURCE OF ELEVATION B.M. NORTHEAST OF LOC. 2300' ± ELEV. = 733'

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.  
*Mark C. Echard*  
 (SIGNED) MARK C. ECHARD  
 R.P.E. \_\_\_\_\_ L.L.S. 490



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



DATE JUNE 14, 19 89  
 OPERATOR'S WELL NO. TWO - A  
 API WELL NO. 47 - 095 - 1308 - F  
 STATE COUNTY PERMIT

### STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION

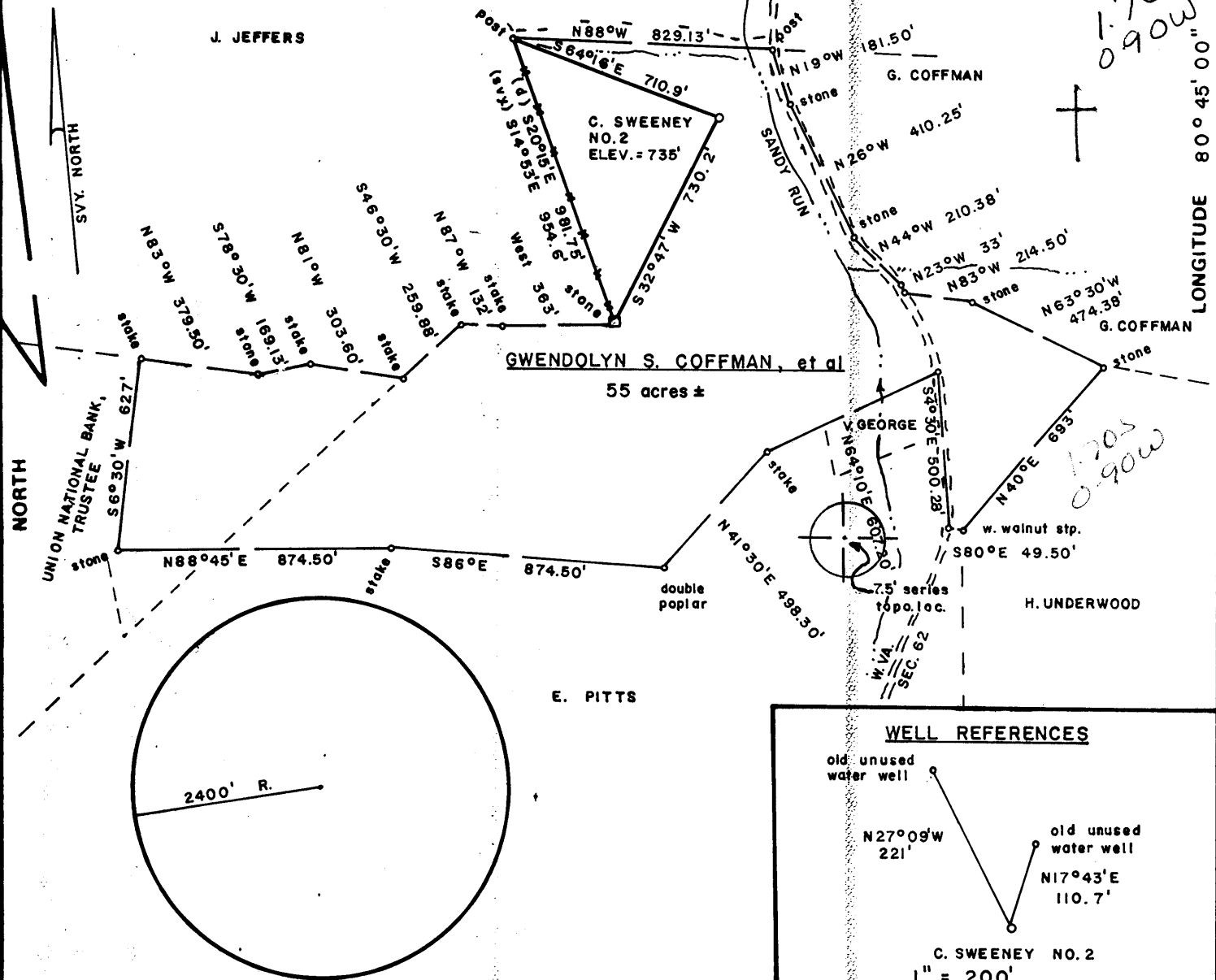
WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
 (IF "GAS,") PRODUCTION  STORAGE  DEEP  SHALLOW   
 LOCATION: ELEVATION 735' WATER SHED SANDY RUN  
 DISTRICT McELROY COUNTY TYLER  
 QUADRANGLE SHIRLEY 75' WU EC  
 SURFACE OWNER GWENDOLYN SWEENEY COFFMAN, et al ACREAGE 55 Ac.  
 OIL & GAS ROYALTY OWNER GWENDOLYN SWEENEY COFFMAN, et al LEASE ACREAGE 55 Ac.  
 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 BENSON ESTIMATED DEPTH 5300' ±  
 WELL OPERATOR D.A.C. DESIGNATED AGENT KENNETH MASON  
 ADDRESS P.O. BOX 99 ADDRESS P.O. BOX 99  
ALMA, W.VA. 26302 ALMA, W.VA. 26302

TYLER 1308

CLARA SWEENEY HRS. *Janice 7/14/89*

LATITUDE 39° 25' 00"

55 acres ±



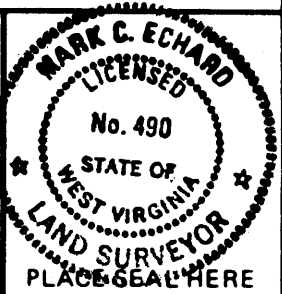
*1.705  
0.90W*

*1.205  
0.90W*

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1/200  
 PROVEN SOURCE OF ELEVATION B.M. NORTHEAST OF LOC. 2300'± ELEV. = 733'

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.

*Mark C. Echard*  
 (SIGNED) MARK C. ECHARD  
 R.P.E. \_\_\_\_\_ L.L.S. 490



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



DATE JUNE 14, 19 89  
 OPERATOR'S WELL NO. TWO - A  
 API WELL NO. \_\_\_\_\_  
47 - 095 - 1308  
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

WELL TYPE: OIL \_\_\_ GAS  LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION  STORAGE \_\_\_ DEEP \_\_\_ SHALLOW   
 LOCATION: ELEVATION 735' WATER SHED SANDY RUN  
 DISTRICT McELROY 5 COUNTY TYLER  
 QUADRANGLE SHIRLEY 7.5' 1007 1336 West Union EC  
 SURFACE OWNER GWENDOLYN SWEENEY COFFMAN, et al ACREAGE 55 Ac.  
 OIL & GAS ROYALTY OWNER GWENDOLYN SWEENEY COFFMAN, et al LEASE ACREAGE 55 Ac.  
 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 BENSON ESTIMATED DEPTH 5300'±  
 WELL OPERATOR D.A.C. DESIGNATED AGENT KENNETH MASON  
 ADDRESS P.O. BOX 99 280 ADDRESS P.O. BOX 99  
ALMA, W.VA. 26302 ALMA, W.VA. 26302

JUL 14 1989

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

Well Operator's Report of Well Work

Farm name: COFFMAN, GWENDOLYN ETAL Operator Well No.: SWEENEY 2A

LOCATION: Elevation: 735.00 Quadrangle: SHIRLEY

District: MCELROY County: TYLER  
Latitude: 9000 Feet South of 39 Deg. 25Min. Sec.  
Longitude 4800 Feet West of 80 Deg. 45 Min. Sec.

Company: DRILLING APPALACHIAN CORP  
P. O. BOX 99  
ALMA, WV 26320-0099

Agent: KENNETH R. MASON

Inspector: MIKE UNDERWOOD  
Permit Issued: 10/26/93  
Well work Commenced: 11/4/93  
Well work Completed: 11/4/93  
Verbal Plugging  
Permission granted on: \_\_\_\_\_  
Rotary Cable Rig  
Total Depth (feet) 2606  
Fresh water depths (ft) 120, 645  
Salt water depths (ft) 1200  
Is coal being mined in area (Y/N)?  
Coal Depths (ft): N

| Casing & Tubing Size | Used in Drilling | Left in Well | Cement Fill Up Cu. Ft. |
|----------------------|------------------|--------------|------------------------|
| 11-3/4               | 86               | 86           | CTS                    |
| 8-5/8                | 930              | 930          | CTS                    |
| 4-1/2                |                  | 2559         | 220 sks                |
|                      |                  |              |                        |
|                      |                  |              |                        |

OPEN FLOW DATA

Producing formation Gordon Sandstone Pay zone depth (ft) 2463-67  
Gas: Initial open flow show MCF/d Oil: Initial open flow 0 Bbl/d  
Final open flow 220 MCF/d Final open flow 0 Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock Pressure 900 psig (surface pressure) after 48 Hours

Second producing formation Big Injun Sand Pay zone depth (ft) 1796-1800  
Gas: Initial open flow show MCF/d Oil: Initial open flow 0 Bbl/d  
Final open flow 150 MCF/d Final open flow 0 Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock Pressure 240 psig (surface pressure) after 24 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: DRILLING APPALACHIAN CORP.

By: Kenneth R. Mason  
Date: 2-8-94

Perfed 1796-1800, 16 shots, 0.39"

Fraced with 1800 gallons 15% Hydrochloric acid, foamed with 140,000 SCF Nitrogen Gas. Initial Formation Break occurred at 2540 psi, avg treatment psi, 2024, avg fluid rate 3.38 bbl/min, avg nitrogen rate, was 6429.3 SCF/minute, INSTANT shut in psi, 1565.

|                                |              |              |
|--------------------------------|--------------|--------------|
| Permian<br>Sands/Shales        | Surface      | 500          |
| Pennsylvanian<br>Sands/Shales  | 500          | 1500         |
| Maxon<br>shale                 | 1501<br>1525 | 1524<br>1641 |
| Big Lime                       | 1642         | 1710         |
| Big Injun Sand<br>shale        | 1711<br>1863 | 1862<br>2009 |
| Weir Sand<br>shale             | 2010<br>2091 | 2090<br>2209 |
| Gantz Sand<br>shale/siltstone  | 2210<br>2229 | 2228<br>2455 |
| Gordon Sand<br>shale/siltstone | 2456<br>2473 | 2472<br>2606 |

ET 181

State of West Virginia  
DEPARTMENT OF ENERGY  
Division of Oil and Gas

Well Operator's Report of Well Work

Farm name: COFFMAN, GWENDOLYN Operator Well No.: C. SWEENEY #2A

LOCATION: Elevation: 735.00 Quadrangle: SHIRLEY

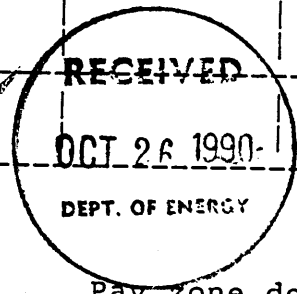
District: MCELROY County: TYLER  
Latitude: 9000 Feet South of 39 Deg. 25Min. 0 Sec.  
Longitude 4800 Feet West of 80 Deg. 45 Min. 0 Sec.

Company: DRILLING APPALACHIAN CORP  
P. O. BOX 99  
ALMA, WV 26320-0099

Agent: KENNETH R. MASON

Inspector: GLEN P. ROBINSON  
Permit Issued: 07/11/89  
Well work Commenced: 9/20/90  
Well work Completed: 10/1/90  
Verbal Plugging  
Permission granted on: N/A  
Rotary  Cable \_\_\_\_\_ Rig  
Total Depth (feet) 2606  
Fresh water depths (ft) \_\_\_\_\_  
120', 645'  
Salt water depths (ft) \_\_\_\_\_  
1200'  
Is coal being mined in area (Y/N)? \_\_\_\_\_  
Coal Depths (ft): N

| Casing & Tubing Size | Used in Drilling | Left in Well | Cement Fill Up Cu. Ft. |
|----------------------|------------------|--------------|------------------------|
| 11-3/4"              | 86               | 86           | CTS                    |
| 8-5/8"               | 930              | 930          | CTS                    |
| 4-1/2"               |                  | 2559         | 220 sks                |



OPEN FLOW DATA

Producing formation Gordon Sandstone Pay zone depth (ft) 2463'-67'  
 Gas: Initial open flow show MCF/d Oil: Initial open flow 0 Bbl/d  
 Final open flow 220 MCF/d Final open flow 0 Bbl/d  
 Time of open flow between initial and final tests \_\_\_\_\_ Hours  
 Static rock Pressure 900 psig (surface pressure) after 48 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: DRILLING APPALACHIAN CORP.  
By: [Signature] Date: 10/23/90 OCT 30 1990

Perfed 2463'-2467', 17 shots 0.39"  
 Fraced 20# gelled water, 750 bbls, 95,000 SCF nitrogen gas  
 10,000 80/100 and 38,500 # 20/40 sand  
 Formation Break at 1910, second break at 25 bbl/min, 3190  
 avg. psi 3140, avg rate 24.2 bbl/min

|                               |         |      |
|-------------------------------|---------|------|
| Permian<br>Sands/Shales       | Surface | 500  |
| Pennsylvanian<br>Sands/Shales | 500     | 1500 |
| Maxon Sand                    | 1500    | 1524 |
| shale                         | 1525    | 1641 |
| Big Lime                      | 1642    | 1710 |
| Big Injun Sand                | 1712    | 1862 |
| shale                         | 1863    | 2009 |
| Weir Sand                     | 2010    | 2090 |
| shale                         | 2091    | 2209 |
| Gantz Sand                    | 2210    | 2228 |
| shale/siltstone               | 2229    | 2455 |
| Gordon Sand                   | 2456    | 2472 |
| shale/siltstone               | 2473    | 2606 |

9195

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

- 1) Well Operator: Drilling Appalachian Corp. 14425, 5, 606
- 2) Operator's Well Number: Clara Sweeney Heirs #2A 3) Elevation: 735
- 4) Well type: (a) Oil  / or Gas  /  
 (b) If Gas: Production  / Underground Storage  /  
 Deep  / Shallow  /
- 5) Proposed Target Formation(s): Benson/Riley
- 6) Proposed Total Depth: 5300'± feet
- 7) Approximate fresh water strata depths: 373'
- 8) Approximate salt water depths: 0-883'
- 9) Approximate coal seam depths: 364'-368'
- 10) Does land contain coal seams tributary to active mine? Yes  / No  /
- 11) Proposed Well Work: Drill, Perforate, Stimulate new formation
- 12) New Well

**CASING AND TUBING PROGRAM**

| TYPE         | SPECIFICATIONS |       |                | FOOTAGE INTERVALS |              | CEMENT       |
|--------------|----------------|-------|----------------|-------------------|--------------|--------------|
|              | Size           | Grade | Weight per ft. | For drilling      | Left in well |              |
| Conductor    | 11-3/4"        | H-40  | 42#            | 100'              | 100'         | CTS          |
| Fresh Water  |                |       |                |                   |              |              |
| Coal         |                |       |                |                   |              |              |
| Intermediate | 8-5/8          | J-55  | 20#            | 900'              | 900'         | 38CSR18-11.3 |
| Production   | 4-1/2          | J-55  | 10½#           | 4950'             | 4950'        | 38CSR18.11-1 |
| Tubing       |                |       |                |                   |              |              |
| Liners       |                |       |                |                   |              |              |

**RECEIVED**  
JUL 10 1989

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

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

For Division of Oil and Gas Use Only

Fee(s) paid: 15 Well Work Permit 15 Reclamation Fund 15 WPCP  
15 Plat 15 WW-9 15 WW-2B 15 Bond Blanket one Agent

(Type)

RECEIVED  
JUL 10 1989

Page 1 of 5  
Form WW2-A  
(09/87)  
File Copy

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

1) Date: June 15, 1989  
2) Operator's well number  
CLARA SWEENEY HEIRS #2A  
3) API Well No: 47 - 095 - 1308  
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 Gwendolyn Coffman  
Address C.P. Star Route, Box 166  
West Union, WV 26456  
(b) Name Bayard Sweeney, Jr.  
Address 807 17th St.  
Vienna, WV 26105  
(c) Name LaMoyne Sweeney  
Address Route 9, Box 83A  
Parkersburg, WV 26101  
  
6) Inspector Glen Robinson  
Address Rt 1, #6 Mt. Pleasant Estates  
Mineral Wells, WV 26150  
Telephone (304)- 489-9162

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

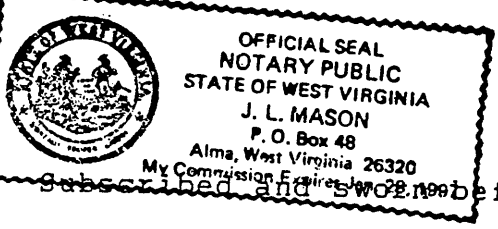
TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

\_\_\_ 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 5 on the above named parties, by:  
\_\_\_ Personal Service (Affidavit attached)  
\_\_\_ 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 Drilling Appalachian Corp.  
By: Kenneth R. Mason  
Its: President  
Address PO Box 99  
Alma, WV 26320-0099  
Telephone (304) 758-4638



Subscribed and sworn to before me this 15th day of June, 19 89

My commission expires 1/28/97 J. L. Mason Notary Public