

NOTE: ELEVATION FROM SPOT ELEVATION 1177 AT INTERSECTION OF PINCH RIDGE ROAD AND PRIVATE DRIVE 1.2 MILES SOUTHEAST OF WELL.

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

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1"=200'  
 MINIMUM DEGREE OF ACCURACY 1:200  
 PROVEN SOURCE OF ELEVATION SEE NOTE ABOVE

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) *Charles C. Douglas Davidson*  
 R.P.E. \_\_\_\_\_ L.L.S. 819



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



DATE 7 APRIL, 1995  
 OPERATOR'S WELL NO. 7042  
 API WELL NO. \_\_\_\_\_

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION \_\_\_ STORAGE X DEEP \_\_\_ SHALLOW \_\_\_  
 LOCATION: ELEVATION 1107.90 WATERSHED BILLY'S BRANCH OF BLUE CREEK  
 DISTRICT ELK COUNTY KANAWHA  
 QUADRANGLE BLUE CREEK, WV LONG: 81°26'12" W LAT: 38°24'35"  
 SURFACE OWNER RUSSEL H. & CAROLYN KOCH ACREAGE 8.63  
 OIL & GAS ROYALTY OWNER RUSSEL H. & CAROLYN KOCH LEASE ACREAGE 8.63  
 LEASE NO. 881

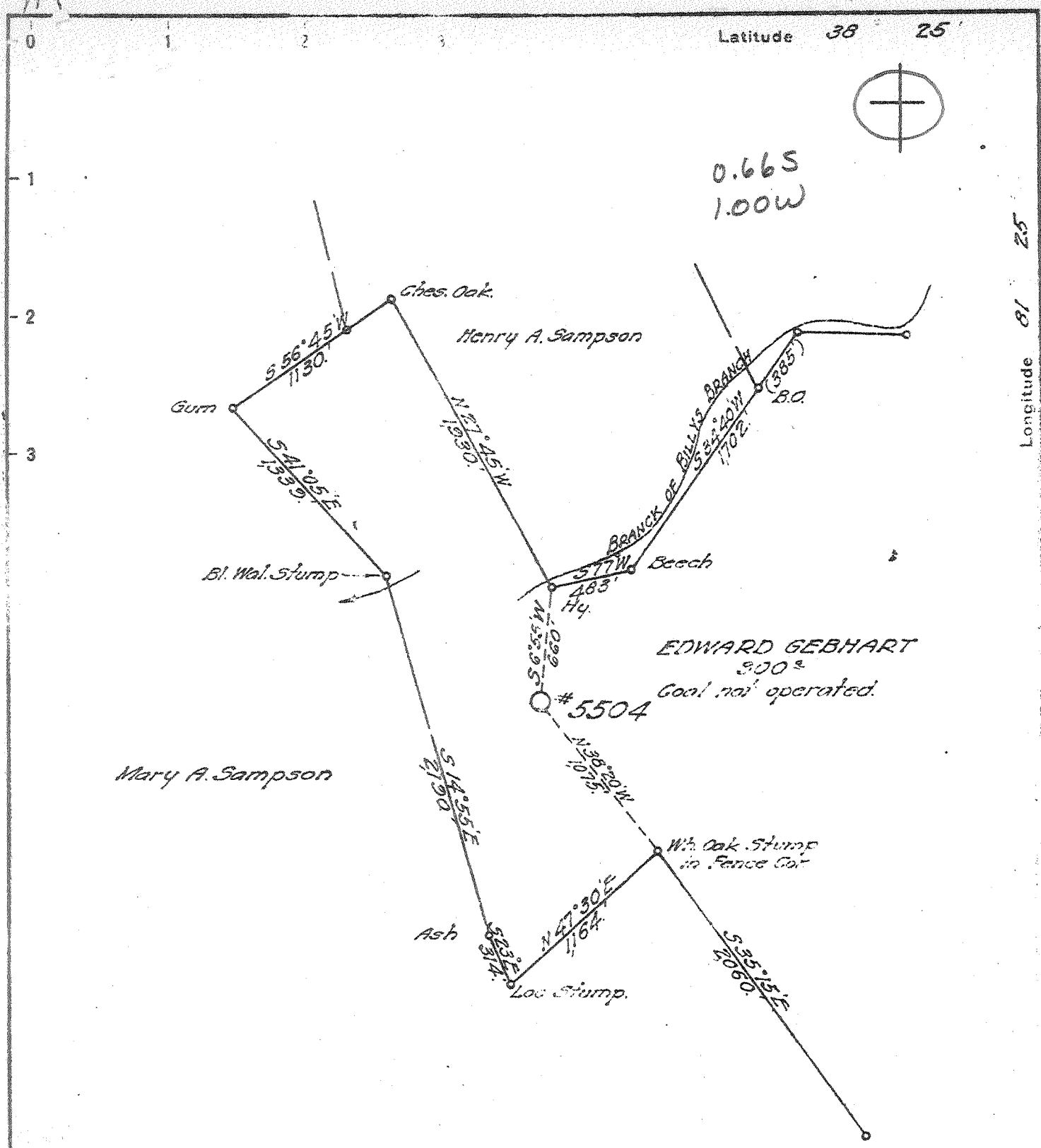
PROPOSED WORK: DRILL \_\_\_ CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) RECONDITION FOR STORAGE

PLUG AND ABANDON - CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION Chickamauga ESTIMATED DEPTH 5475'  
 WELL OPERATOR COLUMBIA GAS TRANSMISSION CORP. DESIGNATED AGENT RICHARD L. COTY

005218 EADUIGNOT

KANAWHA COUNTY NAME PERMIT 01140

FORM IV-6 (8-78)



New Location  X  
 Drill Deeper   
 Abandonment

Company UNITED FUEL GAS CO.  
 Address CHARLESTON W.VA.  
 Farm EDWARD GEBHART  
 Tract \_\_\_\_\_ Acres 900 Lease No. 881  
 Well (Farm) No. 2 Serial No. 5504  
 Elevation (BAROMETER) 1050  
 Quadrangle GLENDENNIN WC  
 County KANAWHA District ELK  
 Engineer M. Cunningham  
 Engineer's Registration No. 659  
 File No. 72-63 Drawing No. \_\_\_\_\_  
 Date JUNE 3, 1944 Scale 1" = 800'

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

WELL LOCATION MAP  
 FILE NO. KAN-1140

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.  
 - Denotes one inch spaces on border line of original tracing.

(Oriskany) 6-6 214 Deep Well

WEST VIRGINIA DEPARTMENT OF MINES  
OIL & GAS DIVISION  
W E L L R E C O R D

Permit No. Kan 1140  
Clendenin Quad.  
Company  
Address  
Farm  
Location  
Well No.  
District  
Surface  
Mineral  
Commenced  
Completed  
Not shot  
Volume  
Salt Water

Gas Well  
CASING & TUBING

United Fuel Gas Company  
Box 1273, Charleston, 25, W.Va.  
Edward Gebhart Acres 900 13 889 889  
Billys Branch of Blue Creek 10 1709 1709  
5504 Elev. 1110.26 T.S. Top 8 1/2 2187 2187  
Elk Kanawha County OK 6 5/8 5280 5280  
KLC 12/12/42  
Kanawha Crude Oil Co., Charleston, W.Va. 5422  
6-23-44  
12-11-44  
Gas Well  
1090'H.F.

|                |      |      |                         |      |      |
|----------------|------|------|-------------------------|------|------|
| Soil           | 0    | 10   | Sand                    | 2047 | 2115 |
| Yellow Clay    | 10   | 30   | Black Slate             | 2115 | 2160 |
| Pink Rock      | 30   | 35   | White Slate             | 2160 | 2187 |
| Blue Rock      | 35   | 65   | Slate & Shells          | 2187 | 2560 |
| White Sand     | 65   | 90   | White Sand              | 2560 | 2570 |
| Blue Rock      | 90   | 110  | Slate & Shells          | 2570 | 4010 |
| White Sand     | 110  | 130  | Brown Shale             | 4010 | 4160 |
| Blue Slate     | 130  | 155  | Lime                    | 4160 | 4190 |
| White Sand     | 155  | 235  | Slate & Shells          | 4190 | 4280 |
| Blue Slate     | 235  | 260  | White Slate             | 4280 | 4794 |
| Lime           | 260  | 270  | Brown Shale             | 4794 | 4850 |
| White Sand     | 270  | 345  | White Slate             | 4850 | 4880 |
| Black Slate    | 345  | 350  | Brown Shale             | 4880 | 5150 |
| White Sand     | 350  | 410  | White Slate             | 5150 | 5210 |
| Black Slate    | 410  | 465  | Dark Slate              | 5210 | 5240 |
| Slate & Shells | 465  | 490  | Black Shale             | 5240 | 5263 |
| White Sand     | 490  | 515  | Corniferous Lime        | 5265 | 5388 |
| Dark Slate     | 515  | 580  | Criskany Sand           | 5388 | 5422 |
| Slate & Shells | 580  | 620  | TOTAL DEPTH             |      | 5422 |
| White Sand     | 620  | 650  |                         |      |      |
| Black Lime     | 650  | 660  | Oil 2105 show           |      |      |
| Black Slate    | 660  | 680  | Gas 5405-5422           |      |      |
| Blue Slate     | 680  | 700  |                         |      |      |
| White Sand     | 700  | 740  |                         |      |      |
| Black Slate    | 740  | 755  |                         |      |      |
| White Sand     | 755  | 795  |                         |      |      |
| Black Slate    | 795  | 805  |                         |      |      |
| White Sand     | 805  | 865  |                         |      |      |
| Black Slate    | 865  | 889  |                         |      |      |
| Gray Shells    | 889  | 895  |                         |      |      |
| Sand           | 895  | 910  |                         |      |      |
| Black Slate    | 910  | 920  |                         |      |      |
| Black Lime     | 920  | 930  |                         |      |      |
| Black Lime     | 930  | 950  |                         |      |      |
| Slate & Shells | 950  | 990  |                         |      |      |
| Black Lime     | 990  | 1000 |                         |      |      |
| Salt Sand ✓    | 1000 | 1155 |                         |      |      |
| Slate Break    | 1155 | 1157 | Gas 1135 show           |      |      |
| White Sand     | 1157 | 1240 |                         |      |      |
| Lime           | 1240 | 1255 |                         |      |      |
| White Sand     | 1255 | 1493 |                         |      |      |
| Break          | 1493 | 1538 |                         |      |      |
| Red Rock       | 1538 | 1550 |                         |      |      |
| Shells         | 1550 | 1575 |                         |      |      |
| Red Rock       | 1575 | 1595 |                         |      |      |
| Slate & Shells | 1595 | 1625 |                         |      |      |
| Sandy Lime     | 1625 | 1650 |                         |      |      |
| Black Slate    | 1650 | 1674 |                         |      |      |
| Lime           | 1674 | 1692 |                         |      |      |
| Pencil Cave    | 1692 | 1707 |                         |      |      |
| Big Lime       | 1707 | 1845 |                         |      |      |
| Sandy Red Lime | 1845 | 1860 |                         |      |      |
| Lime           | 1860 | 1923 |                         |      |      |
| Injun          | 1923 | 2044 | Gas 1920-1945-1995 show |      |      |
| Slate          | 2044 | 2047 |                         |      |      |

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WV Division of Environmental Protection

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

MAR 01 1996

Well Operator's Report of Well Work

Permitting Office of Oil & Gas  
Farm name: ROBERT ETAL.

Operator Well No.: 7042

LOCATION: Elevation: 1,107.90 Quadrangle: BLUE CREEK

District: ELK County: KANAWHA  
Latitude: 3550 Feet South of 38 Deg. 25Min. Sec.  
Longitude 5725 Feet West of 81 Deg. 25 Min. Sec.

Company: COLUMBIA GAS TRANSMISSION  
P.O. BOX 1273  
CHARLESTON, WV 25325-1273

Agent: RICHARD L. COTY

Inspector: CARLOS HIVELY  
Permit Issued: 07/19/95  
Well work Commenced: 10-23-95  
Well work Completed: 1-03-96  
Verbal Plugging  
Permission granted on: \_\_\_\_\_  
Rotary Cable Rig workover  
Total Depth (feet) 5422'  
Fresh water depths (ft) \_\_\_\_\_

Salt water depths (ft) \_\_\_\_\_

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

| Casing & Tubing Size | Used in Drilling | Left in Well | Cement Fill Up Cu. Ft.                  |
|----------------------|------------------|--------------|---|
| 13-3/8"              | 889'             | 889'         | cement to surface from 620' w/ 300 sks. |
| 10-3/4"              | 1709'            | 1709'-675'   |   |
| 8-5/8"               | 2187'            | 2187'-695'   |   |
| 7"                   | 5280'            | 5280'        | 5150' TOC FROM CBL                      |
| 4-1/2"               | 5355'            | 5355'        | 50 SKS. TOC FROM CBL 4834'              |

OPEN FLOW DATA

Producing formation ORISKANY SAND Pay zone depth (ft) 5388-5422  
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 1000 psig (surface pressure) after 24 Hours

\* STORAGE WELL - NO OPEN FLOW AVAILABLE

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: COLUMBIA GAS TRANSMISSION CORP.

By: Richard L. Coty  
Date: 2/27/96

HOLE WAS NOT DRILLED DEEPER DUE TO JUNK IN HOLE THAT COULD NOT BE DRILLED UP.

1/3/96

STIMULATED ORISKANY SANDSTONE W/2000 GAL. 15% HCL. MAX. PRESSURE: 1400 PSIG  
NO PERFORATIONS - OPEN HOLE COMPLETION.

STATE OF WEST VIRGINIA  
 DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
 WELL WORK PERMIT APPLICATION

Permitting Office of Oil & Gas  
 Well Operator: COLUMBIA GAS TRANSMISSION CORP. 10450 (4) 258

Operator's Well Number: 7042 3) Elevation: 1107.90  
~~4110.26~~

Well type: (a) Oil    / or Gas X /  
 (b) If Gas: Production    / Underground Storage X /  
 Deep X / 4-5 Shallow    /

Issued 07/19/95  
 Expires 07/19/97

Proposed Target Formation(s): ORISKANY SANDSTONE

Proposed Total Depth: 5475' feet

Approximate fresh water strata depths: +/- 200' (EST.)

Approximate salt water depths: 1090'

Approximate coal seam depths: NO INFORMATION

Does land contain coal seams tributary to active mine? Yes    / No X /

Proposed Well Work: PULL 4-1/2" FROM 950'. PULL 7" FROM 900'. PULL 8-5/8" FROM 850'. PULL 10-3/4" FROM 800'. RE-CEMENT 13-3/8" TO SURFACE IF CBL INDICATES NEED. TIE BACK 7" & 4-1/2" CASING. DRILL NEW HOLE FROM 5422' TO 5475'. STIMULATE ORISKANY.

CASING AND TUBING PROGRAM

| TYPE                                   | SPECIFICATIONS |       | FOOTAGE INTERVALS |                             | CEMENT                       |
|--|----------------|-------|-------------------|-----------------------------|------------------------------|
|  | Size           | Grade | Weight per ft.    | For drilling / Left in well |                              |
| <del>CONDUCTOR</del><br>FRESH WATER    | 13-3/8"        |       | 48#/FT.           | 889                         | CIRL. TO SURFACE             |
| <del>FRESH WATER</del><br>INTERMEDIATE | 10-3/4"        |       | 40.5#/FT.         | 1709                        | 1709'-800'                   |
| <del>CONDUCTOR</del><br>INTERMEDIATE   | 8-5/8"         |       | 28#/FT.           | 2187                        | 2187'-850'                   |
| Intermediate                           | 7"             |       | 20#/FT.           | 5280                        | TDC FROM CBL - 5150'         |
| Production                             | 4-1/2"         |       | 11.6#/FT.         | 5355                        | 50 SKS. TDC FROM CBL - 4834' |
| Tubing                                 |                |       |                   |                             |                              |
| Liners                                 |                |       |                   |                             |                              |

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

For Office of Oil and Gas Use Only

Fee(s) paid:  Well Work Permit  Reclamation Fund  WPCP  
 Plat  WW-9  WW-2B  Bond [Signature] Agent [Signature]  
 (Type)

**RECEIVED**

WV Division of  
Environmental Protection

JUN 22 1995

- 1) Date: 5/26/95
- 2) Operator's well number 7042
- 3) API Well No: 47 - 039 - 1140  
State - County - Permit

Permitting **STATE OF WEST VIRGINIA**  
Office of Oil & Gas 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 ROBERT EVANS ET AL  
Address #9 SENECA DRIVE  
ELKVIEW, WV 25071
  - (b) Name \_\_\_\_\_  
Address \_\_\_\_\_
  - (c) Name \_\_\_\_\_  
Address \_\_\_\_\_
- 5) (a) Coal Operator:
  - Name \_\_\_\_\_  
Address \_\_\_\_\_
  - (b) Coal Owner(s) with Declaration  
Name ROBERT EVANS ET AL  
Address #9 SENECA DRIVE  
ELKVIEW, WV 25071
  - Name \_\_\_\_\_  
Address \_\_\_\_\_
  - (c) Coal Lessee with Declaration  
Name \_\_\_\_\_  
Address \_\_\_\_\_
- 6) Inspector CARLOS W. HIVELY  
Address 223 PINCH RIDGE RD.  
ELKVIEW, WV 25071  
Telephone (304)-965-6069

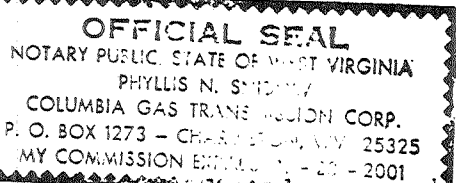
TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

\_\_\_\_\_ 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 COLUMBIA GAS TRANSMISSION CORP.  
By: Richard J. Coley  
Its: MANAGER - WELL SERVICES  
Address P. O. BOX 1273  
CHARLESTON, WV 25325-1273  
Telephone (304) 357-3034



Subscribed and sworn to before me this 6<sup>th</sup> day of June, 1995  
Phyllis N. Sneed Notary Public  
My commission expires November 20, 2001