

*Jamie*  
*6/23/92*

**FLOYD PUCKETT**  
DB 260 PG. 63  
TM-7 PAR. 19

**JOHN & CARROLL LONG**  
TM-7 PAR. 62

**CECIL COMBS, ET. AL. 88 ACRES**  
OIL & GAS ROYALTY OWNER  
LEASE-52245

**NORMA & ESTEL SMITH**  
SURFACE  
DB 118 PG. 415  
TM-7 PAR. 20

**RUSSELL E. SMITH, ET. UX.**

DB 217 PG. 76  
TM-7 PAR. 20.2  
S 77° 30' 12" W 904.77'

**PEAKE ENERGY**

WELL 2112  
**VERNON L. SMITH, ET. UX.**  
DB 217 PG. 72  
TM 7 PAR 20.1  
N 72° 43' 41" W 1564.76'

**M. E. & MARGARET P. AKERS**  
DB 179 PG. 295  
TM-7 PAR. 33

**ROBERT W. & MARY WALTERS**  
DB 253 PG. 685  
TM-7 PAR. 34

IRON ROD AT BASE OF  
14" BLACK OAK, FENCE  
CORNER

LAT. 38°51'21"  
LONG. 81°42'33"  
F.B. - 2574  
PG. 55-56

*1.34*  
*0.05*

*422*  
*2.29*

**TRANS. POWER LINE**

A/C 107-03274-W2138-4442

NOTE: THIS MAP IS FOR WELL LOCATION PURPOSES ONLY & DOES NOT REPRESENT A COMPLETE BOUNDARY SURVEY.

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

FILE NO. \_\_\_\_\_  
DRAWING NO. \_\_\_\_\_  
SCALE 1" = 400'  
MINIMUM DEGREE OF ACCURACY 1/200  
PROVEN SOURCE OF ELEVATION U.S.G.S. BM DISK SET IN TOP N.E. END OF S.E. HEADWALL N.W. SIDE RT. 21 STAMPED U-103 ELEV. 609.198

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 ENERGY

(SIGNED) *Edward Rich*  
R.P.E. 9936 L.L.S. 798

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
OIL AND GAS DIVISION  
LICENSED SURVEYOR  
NO. 798  
PLACE SEAL HERE

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



DATE APRIL 16, 1992  
OPERATOR'S WELL NO. 7311  
API WELL NO.

47-035-540 W  
STATE COUNTY PERMIT

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
(IF "GAS,") PRODUCTION \_\_\_ STORAGE X DEEP \_\_\_ SHALLOW \_\_\_

LOCATION: ELEVATION 855.12' WATERSHED LEFT FORK SYCAMORE CREEK  
DISTRICT RIPLEY 3 COUNTY JACKSON  
QUADRANGLE RIPLEY, WV

SURFACE OWNER NORMA & ESTEL SMITH ACREAGE 75.47 Ac.  
OIL & GAS ROYALTY OWNER CECIL COMBS, ET. AL. LEASE ACREAGE 88 Ac.  
LEASE NO. 52245

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

PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
TARGET FORMATION \_\_\_\_\_ ESTIMATED DEPTH \_\_\_\_\_

WELL OPERATOR COLUMBIA GAS TRANSMISSION CORP. DESIGNATED AGENT ROBERT C. WEIDNER  
ADDRESS P.O. BOX 1273 CHARLESTON, WV 25325 ADDRESS P.O. BOX 1273 CHARLESTON, WV 25325

*1.75*

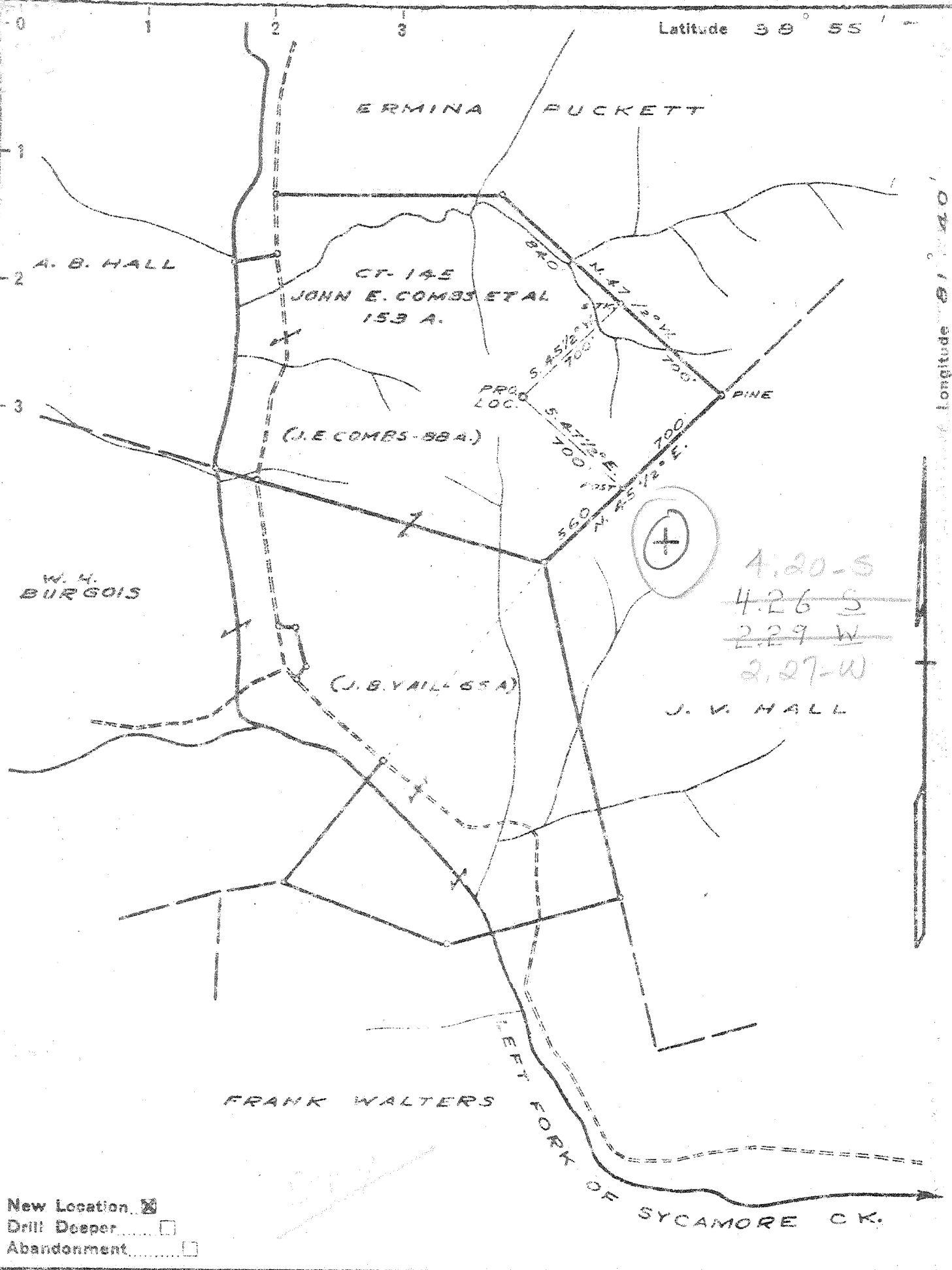
*JUN 26 1992*

JACKSON COUNTY NAME

PERMIT 540

FORM WW-6

P



4.20-S  
~~4.26 S~~  
~~2.29 W~~  
 2.27-W

New Location   
 Drill Deeper   
 Abandonment

Company COLUMBIAN CARBON CO.  
 Address CHARLESTON W.VA.  
 Farm JOHN E. COMBS ET AL  
 Tract \_\_\_\_\_ Acres 153 Lease No. CT-145  
 Well (Farm) No. 1 Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 859.3  
 Quadrangle RIPLEY 4-423-230-W  
 County JACKSON RIPLEY  
 Engineer [Signature]  
 Engineer's Registration No. 772  
 File No. \_\_\_\_\_ Drawing No. 403  
 Date OCT. 24, 1946 Scale 1" = 660'

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

WELL LOCATION MAP  
 FILE NO. JAC-540

+ 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.

0-6 192

Derry Well

RECEIVED

OFFICE OF OIL AND GAS

23-Ju- API # 47-35-00

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

SEP 04 1994

540

WV Division of

Well Operator's Report of Well Work

Environmental Protection

Operator Well No.: 7311

LOCATION: Elevation: 855.12      Quadrangle: RIPLEY

District: RIPLEY      County: JACKSON  
Latitude: 7015 Feet South of 38 Deg. 52Min. 30 Sec.  
Longitude 225 Feet West of 81 Deg. 42 Min. 30 Sec.

Company: COLUMBIA GAS TRANSMISSION  
1700 MacCORKLE AVENUE S.E.  
CHARLESTON, WV 25314-0000

Agent: ROBERT C. WEIDNER

Inspector: GLEN P. ROBINSON  
Permit Issued: 06/24/92  
Well work Commenced: 8/13/92  
Well work Completed: 10/2/92  
Verbal Plugging \_\_\_\_\_  
Permission granted on: \_\_\_\_\_  
Rotary  Cable \_\_\_\_\_ Rig \_\_\_\_\_  
Total Depth (feet) 5030'  
Fresh water depths (ft) 445'

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
16"	30'	30'	—
7"	4959'	4959'	70 SK. Agency 5 bales Fiberglass
3 1/2"	5107'	5065'	—

Salt water depths (ft) 900' est.

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

OPEN FLOW DATA

Producing formation Osiskany      Pay zone depth (ft) 5032'-5052'  
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

N/A

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

- over -

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: 9/23/94

32004

# Details of Perforated Internals, Fracturing or Stimulating, Physical Change, Etc.

- 1.) Installed 7" pup joint and welded on bell nipple
- 2.) Perforated 3 1/2" tubing from 4985' to 5011' w/ 4 shots/ft -
- 3.) At 5000' - spotted 500 gal. F.E. Acid - Pumped remaining 2000 gal. acid w/ 250 SCF/886 nitrogen.

4985'	5011'	5000'
4985'	5011'	5000'
4985'	5011'	5000'

4985'	5011'	5000'
4985'	5011'	5000'
4985'	5011'	5000'

Operation

... ..

A/H

13813

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

Permit No. Jac 540

Ripley Quad.

Company

Address

Farm

Location

Well No.

District

Surface

Mineral

Commenced

Completed

Date shot

Volume

Fresh Water

Gas Well

CASING & TUBING

Columbian Carbon Company

Box 873, Charleston 23, W.Va. 16 30' Same

John E. Combs Acres 153 13 3/8 757'3 Pld.

Left fork of Sycamore Creek 10 1/2 1271'0 Pld.

1 (GW-930) Elev. 859.3 G 8 5/8 2210'11 Pld.

Ripley Jackson County 7 4959'3 Same

Estel Smith, Rt. 1, Ripley, W.Va. 2 3/8 5045'9 Same

3 1/2 8.7# 64'11 Same

11-21-46

2-18-47 Coal at 1538' 24"

2-18-47 Depth 5029 to 4989  
with 300# DuPont EI-409, 50# 80% gelatin

1,220,000 C.F.

410' 4 blrs. per hr.; 910' 1/2 blr. per hr.

1530' 4 blrs. per hr.; 1773' H.F.

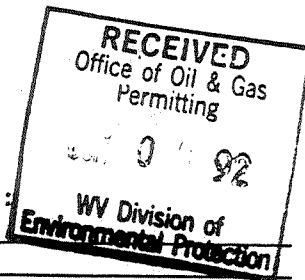
Clay	0	10	Lime	1359	1370
Slate	10	24	Sand	1370	1390
Sand	24	40	Slate	1390	1436
Red Rock	40	61	Sand	1436	1485
Lime	61	80	Slate	1485	1505
Slate	80	85	Sand	1505	1538
Red Rock	85	95	Coal	1538	1540
Slate	95	110	Slate	1540	1558
Red Rock	110	119	Sand	1558	1580
Slate	119	130	Slate	1580	1638
Red Rock	130	145	Sand	1638	1658
Lime	145	150	Slate	1658	1747
Red Rock	150	160	Lime	1747	1756
Slate	160	170	Salt Sand	1756	1920
Red Rock	170	185	Lime - Big lime	1920	2032 B. Lime
Slate	185	190	Sand	2032	2048 540
Red Rock	190	208	Slate	2048	2056
Slate	208	221	Sand - Injun?	2056	2080
Red Rock	221	240	Slate	2080	2100
Slate	240	260	Lime	2100	2105
Red Rock	260	290	Slate	2105	2125
Slate	290	305	Sand - Injun?	2125	2174
Sand	305	330	Slate	2174	2191
Red Rock	330	350	Lime	2191	2196
Sand	350	360	Slate Shells	2196	2517
Red Rock	360	380	Sand - Berea	2517	2530 - Berea
Sand	380	445	Slate & Shells	2530	3750
Slate	445	460	Shale	3750	4260
Red Rock	460	480	Slate & Shells	4260	4620
Sand	480	500	Brown Shale	4620 SLM	4892 SLM
Slate	500	535	Lime - 463	4892 SLM	4989 SLM
Red Rock	535	575	Criskany Sand	4989 SLM	5026
Slate	575	586	Lime	5026	5032
Lime	586	597	Criskany Sand	5032	5032
Red Rock	597	630	Lime	5052	5063
Slate	630	640	Total Depth	5063	5063
Red Rock	640	650			
Slate	650	677	PAYS 4990, 4992-95; 4998-5000; 5006-12		
Sand	677	712	CEMENT RECORD: 11-25-46 13 3/8" casing.		
Slate	712	767	Ran 10 sacks aquagel and 1 bale fibrotex.		
Lime	767	785			
Sand	785	835	12-2-46 10 1/2" casing. Ran 23 sacks aquagel		
Slate	835	846	and 1 bale fibrotex. Returns 683'.		
Red Rock	846	900			
Sand	900	940	12-20-46 8 5/8 " casing. Ran 27 sacks		
Red Rock	940	956	aquagel and 1 bale fibrotex.		
Slate	956	1030			
Red Rock	1030	1060	1-22-47 7" casing. Ran 70 sacks aquagel		
Slate	1060	1085	and 5 bales fibrotex.		
Red Rock	1085	1105			
Slate	1105	1273	Gas 2528 show		
Lime	1273	1276			
Slate	1276	1318			
Sand	1318	1331			
Slate	1331	1359			





1) Date: April 1, 1992  
2) Operator's well number  
Well 7311, Ripley Storage  
3) API Well No: 47 - 035 - 00540-Rewor  
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 Estel Smith  
Address Rt. 1, Box 383  
Ripley, WV 25271
- (b) Name \_\_\_\_\_  
Address \_\_\_\_\_
- (c) Name \_\_\_\_\_  
Address \_\_\_\_\_
- 5) (a) Coal Operator:  
Name none  
Address \_\_\_\_\_
- (b) Coal Owner(s) with Declaration  
Name none  
Address \_\_\_\_\_
- Name \_\_\_\_\_  
Address \_\_\_\_\_
- (c) Coal Lessee with Declaration  
Name none  
Address \_\_\_\_\_
- 6) Inspector Glen P. Robinson  
Address Box 1  
Belleville, WV 26133  
Telephone (304) - 863-8766  
(304) - 367-1832

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

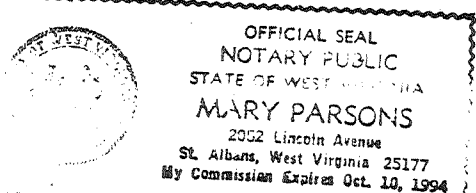
\_\_\_\_\_ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR  
x Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

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: [Signature]  
Its: Director, Drilling and Maintenance  
Address P. O. Box 1273  
Charleston, WV 25325-1273  
Telephone (304) 357-2459



Subscribed and sworn before me this 3<sup>rd</sup> day of May, 1992  
Mary Parsons Notary Public  
My commission expires October 10, 1994