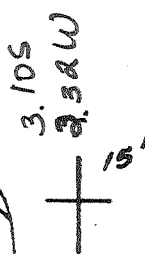


Latitude 39° 27' 30"

STONE PILE IN FENCE
CORNER ON RIDGE TWO
RED OAK & DEAD CHESTNUT
OAK POINTERS YELLOW
PAINT

**WESTERN MARYLAND CO.
(MINERAL)**
**WESTVACO CORPORATION
(SURFACE)**

20725-T



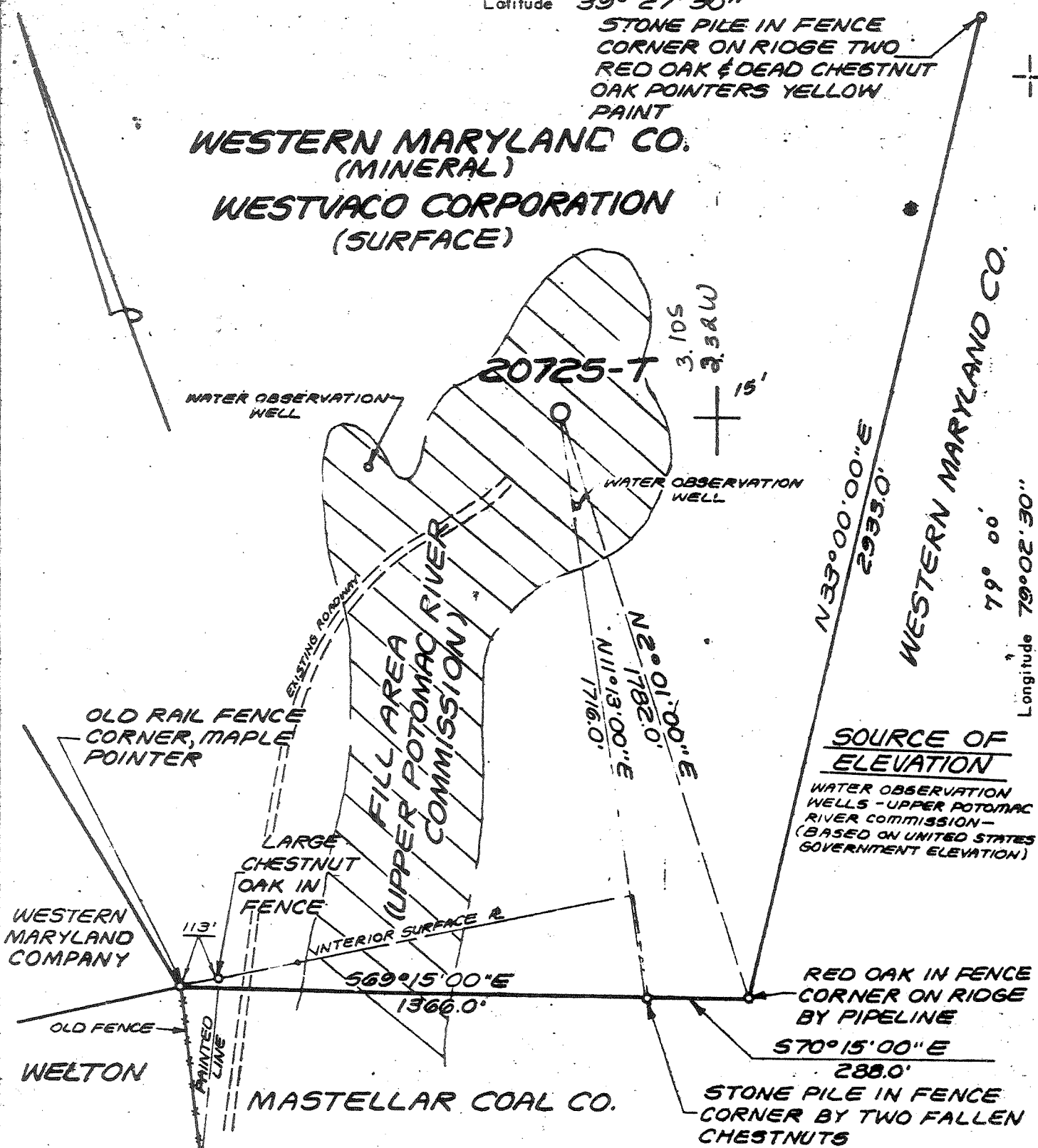
WATER OBSERVATION WELL

WATER OBSERVATION WELL

WESTERN MARYLAND CO.
Longitude 79° 02' 30"

SOURCE OF ELEVATION

WATER OBSERVATION WELLS - UPPER POTOMAC RIVER COMMISSION - (BASED ON UNITED STATES GOVERNMENT ELEVATION)



"I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by the rules and regulations of the oil and gas section of the mining laws of WEST VIRGINIA
Minimum degree of accuracy is one part in 200

REVISION 2-24-81

Signed _____

LAND SURVEYOR LICENSE NO. 99 WEST VIRGINIA
BOX 1273 CHARLESTON, WEST VIRGINIA

- New Location
- Storage
- Drill Deeper
- Abandonment
- Re-Drill/Fracture

Company COLUMBIA GAS TRANS. CORP.
 Address BOX 1273 CHARLESTON, W.VA.
 Farm WESTERN MARYLAND CO.
 Legs 41894 Acres 1814
 Well No. 1 Ser. No. 20725-T
 Elevation - Spirit Level 2369.91'
 Quadrangle WESTERNPORT-W.VA.-MD.
 Township or District PIEDMONT EG 15
 County MINERAL
 Sec., Lot, Qr. _____ T. _____ R. _____
 Coordinates LAT: 39°27'18" LONG: 79°02'32"
 File No. 50E Dwg. No. _____
 Date JAN. 28, 1981 Scale 1" = 400'

FORM 1495 CE 4 CSD (REV. 11-78)

COLUMBIA GAS SYSTEM
COLUMBIA GAS TRANSMISSION CORPORATION
WELL LOCATION MAP

STATE OF WEST VIRGINIA

(+) Denotes Values of Well On United States Topographic Maps

47-057-0059-R

Scale 15' 7-1/2'

P. 10/20/81

OCT 29 1981

Deep well

39° 30'

200'

Latitude 39° 27' 30"

STONE PILE IN FENCE
CORNER ON RIDGE TWO
RED OAK & DEAD CHESTNUT
OAK POINTERS YELLOW
PAINT

**WESTERN MARYLAND CO.
(MINERAL)
WESTVACO CORPORATION
(SURFACE)**

0.245
0.03W

20725-T

WATER OBSERVATION WELL

WATER OBSERVATION WELL



15' 3.12
3.07
2.34
2.26

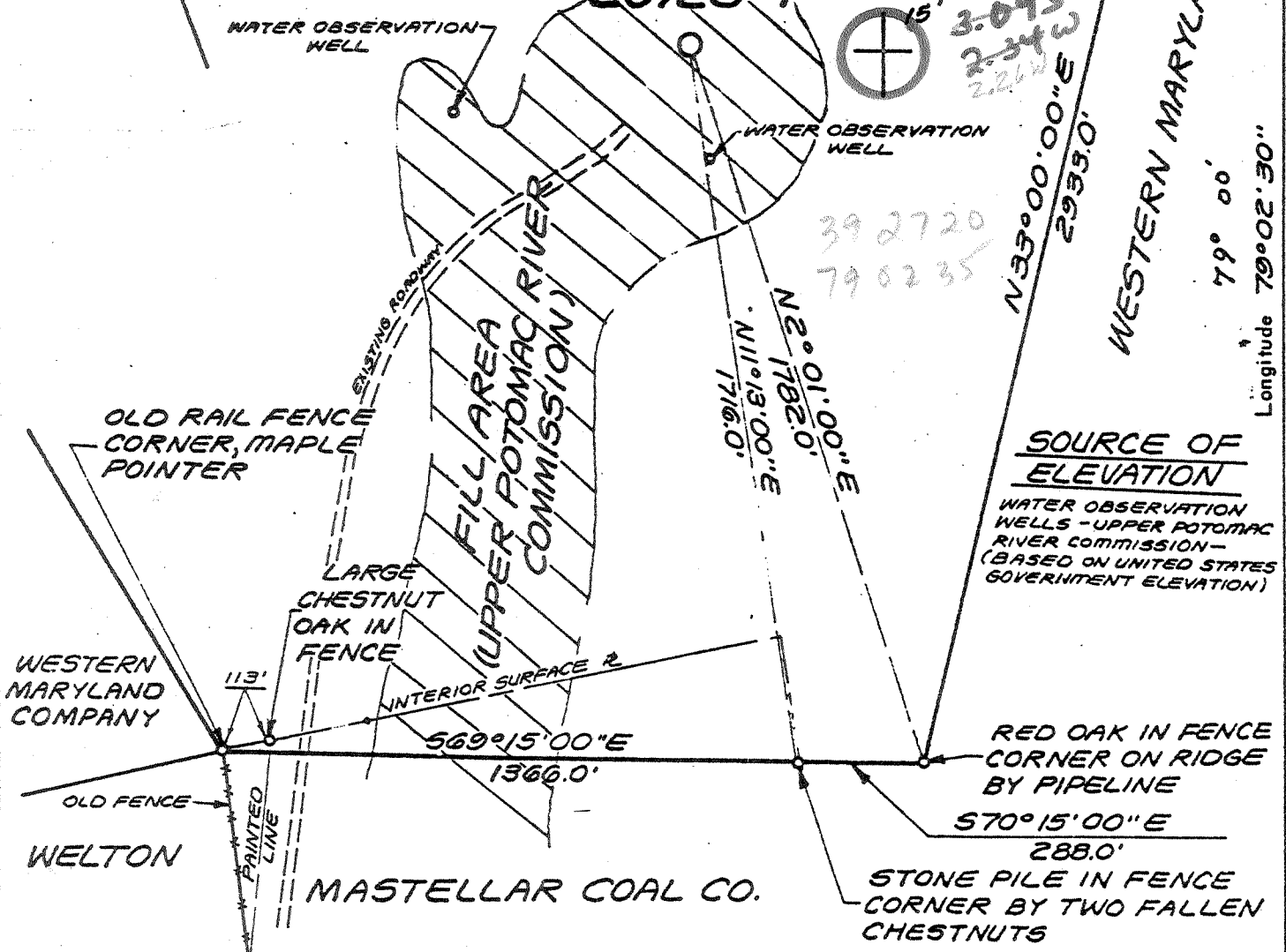
N33°00'00"E
2933.0'

WESTERN MARYLAND CO.

Longitude 79° 02' 30"

SOURCE OF ELEVATION

WATER OBSERVATION WELLS - UPPER POTOMAC RIVER COMMISSION - (BASED ON UNITED STATES GOVERNMENT ELEVATION)



"I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by the rules and regulations of the oil and gas section of the mining laws of WEST VIRGINIA
Minimum degree of accuracy is one part in 200

REVISION 2-24-81

Signed _____

LAND SURVEYOR LICENSE NO. 99 WEST VIRGINIA
BOX 1273 CHARLESTON, WEST VIRGINIA

- New Location
- Storage
- Drill Deeper
- Abandonment
- Re-Drill/Fracture

Company COLUMBIA GAS TRANS. CORP.
 Address BOX 1273 CHARLESTON, W.VA.
 Farm WESTERN MARYLAND CO.
 Lease 41894 Acres 1814
 Well Farm No. 1 Ser. No. 20725-T
 Elevation - Spirit Level 2369.91'
 Quadrangle WESTERNPORT-W.VA.-MD.
 Township or District PIEDMONT
 County MINERAL
 Sec., Lot, Qr. _____ T. _____ R. _____
 Coordinates LAT: 39°27'18" LONG: 79°02'32"
 File No. 50E Dwg. No. _____
 Date JAN. 28, 1981 Scale 1" = 400'

FORM 1495 CE & CSD (REV. 11-78)

COLUMBIA GAS SYSTEM
COLUMBIA GAS TRANSMISSION CORPORATION

WELL LOCATION MAP

STATE OF WEST VIRGINIA

(+) Denotes Values of Well On United States Topographic Maps

47-557-6559

Scale 15' 7-1/2'

dequell

MAR 23 1981



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

MAR - 6 1981

Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE March 6, 1981

Surface Owner Westvaco Corporation
Address Wood Procurement Div., Bloomington, Md.
Mineral Owner Western Maryland Co.
Address 2 North Charles St., Baltimore, Md.
Coal Owner same as above
Address _____
Coal Operator XXX: Lesport, Mustellar Coal Co.
Address P. O. Box 370, Keyser, WV 26726

Company Columbia Gas Transmission Corporation
Address P. O. Box 1273, Charleston, WV
Farm Western Maryland Co. Acres 1814
Location (waters) _____
Well No. 20725-T Elevation 2359.0
District Piedmont County Mineral
Quadrangle Westernport

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 11-9-81

INSPECTOR
TO BE NOTIFIED Robert Stewart
ADDRESS P. O. Box 345, Jane Lew, W.Va.
PHONE 884-7782

John B. Bennett
Deputy Director - Oil & Gas Division

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated 2-23 1971 by PPG Industries et al. made to Columbia Gas Transmission and recorded on the _____ day of _____ 1971 in Mineral County, Book 175 Page 543
X NEW WELL _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE
_____ OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.
The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days.
Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND
ECONOMIC SURVEY
P. O. BOX 879
MORGANTOWN, WEST VIRGINIA 26505
AC-304 - 292-6331

Very truly yours,
(Sign Name) [Signature]
Well Operator

Address _____
of _____
Well Operator _____
P. O. Box 1273
Street
Charleston
City or Town
West Virginia 25325
State

"SECTION 3 . . . If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

47-057-0059 PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."
Signed by [Signature]
Director, Exploration & Development

BLANKET BOND

THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO X DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME _____ NAME Dave Rife
 ADDRESS _____ ADDRESS P. O. Box 1440, Cumberland, Md.
 TELEPHONE _____ TELEPHONE (301) 729-8181
 ESTIMATED DEPTH OF COMPLETED WELL: 10,300 ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Oriskany
 TYPE OF WELL: OIL _____ GAS X COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LIFT IN WELL	CEMENT LIFT UP OR SACKS - CUBIC FT
20 - 1 1/2	90'		To surface
13 - 1 1/2 3/8	600'		To surface
9 - 5/8	3700'		To surface
8 - 5/8			
7			
5 1/4	10,300		
4 1/4			
3			
2			Perf. Top
			Perf. Bottom
Links			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ FEET _____ SALT WATER _____ FEET

APPROXIMATE COAL DEPTHS _____

IS COAL BEING MINED IN THE AREA? No BY WHOM? _____

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

For Coal Company

Official Title

OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

ated 10235 - 10391 12 shots
 ized w/3200 gals. 15% HCL w/FE additives
 ctured w/52,600 gals. "Versagel" w/84,000# 20/40 mesh sand;
 9000# 80/100 mesh sand.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Surface Slts			0	620	Fresh water at 76' @ 253' @ 617'
Upper Freeport Coal			620	630	
Lower Kittanning Coal			750	754	
Top Mauch Chunk			1030	1830	
Greenbrier Limestone			1830	2100	
Pocono Sands & Siltstone			2100	2708	
Hampshire (Red Beds)			2708	4438	
Greenland Gap Grp.			4438	8168	
Foreknobs F			4438	6068	
Scherr F			6068	8168	
Brallier Shale			8168	8978	
Harrell Shale			8978	9111	
Tully Limestone			9094	9097	
Mahantango F			9111	9920	
Chaneyville Siltstone			9357	9450	
Upper Marcellus Sh.			9920	9966	
Purcell Limestone			9966	10028	
Lower Marcellus			10028	10103	
Needmore Sh.			10103	10234	
Oriskany Sandstone			10234	10462	
Helderberg Limestone			10462	TD 10,574	

10103
 2370
 7733
 10234
 2370
 11864
 10462
 2370
 8092

(Attach separate sheets as necessary)

COLUMBIA GAS TRANSMISSION CORPORATION

Well Operator

By: J. J. Beckley Director, Drilling & Operations

Date: December 22, 1981

Note: Regulation 2.02(i) provides as follows:
 "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPPLICATE, ONE COPY MAILED TO THE DEPARTMENT, 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.

Western Maryland Company <small>COAL OPERATOR OR OWNER</small> 2 N. Charles St., Baltimore, Md. 21201 <small>ADDRESS</small> Mastellar Coal Co. <small>COAL OPERATOR OR OWNER Lessee</small> P. O. Box 370, Keyser, W. Va. 26726 <small>ADDRESS</small> Westvaco Corporation <small>LEASE OR PROPERTY OWNER</small> Wood Procurement Div. Bloomington, Maryland 21523	Columbia Gas Transmission Corporation <small>NAME OF WELL OPERATOR</small> P. O. Box 1273, Charleston, W. Va. 25325 <small>COMPLETE ADDRESS</small> December 1 19 81 <small>WELL AND LOCATION</small> Piedmont District Mineral County Well No. 20725-T Western Maryland Company Farm
--	--

STATE INSPECTOR SUPERVISING PLUGGING.....Bob Stewart.....

AFFIDAVIT

STATE OF WEST VIRGINIA, }
 County of Mineral } ss:

Robert H. Shrut and Michael J. Akers Jr.
 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 Columbia Gas Transmission Corp. well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 15th day of October, 19 81, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD	FILLING MATERIAL	PLUGS USED	CASING	
			CSG PULLED	CSG LEFT IN
FORMATION		SIZE & KIND		
Conemaugh Series-Spud		Cmt.Plug 0'-500'	7300'	5-1/2"-3241'
Mauch Chunk 1030'-1830'	Gel 500' - 3500'		of 5-1/2"	
Greenbrier 1830'-2100'				
Pocono 2100'-2710'		Cmt.Plug 3500'-3800'		9-5/8"-3672'
Hampshire 2710'-4440'				
Chemung 4440'-8170'				13-3/8"-579'
Brallier 8170'-8980'	Gel 3800'-9900'			
Harrell 8980'-9110'				20"-93'
Mahantango 9110'-9920'				
Marcellus 9920'-10,100'		Cmt.Plug 9900'-10,200'		
Needmore 10,100'-10,230'				
Oriskany 10,200'-10,460'				
Helderburg 10460'-TD				
COAL SEAMS	DESCRIPTION OF MONUMENT			
(NAME) Upper Freeport (620'-630')	Proper monument erected			
(NAME) Lower Kittanning (750'-754')	as prescribed by State Law			
(NAME)				
(NAME)				

and that the work of plugging and filling said well was completed on the 20th day of October, 19 81.

And further deponents saith not.

Sworn to and subscribed before me this 1st day of December 19 81.

My commission expires:

August 13, 1989

Michael J. Akers Jr.
Robert H. Shrut
 Notary Public.
 Permit No. M.N.-59-D

47-057-59-P