

Commonwealth of Virginia
DEPARTMENT OF LABOR AND INDUSTRY
Division of Mines
Big Stone Gap, Virginia

~~HEXKXX~~
NOTICE OF INTENTION TO DRILL ~~XXXXX~~ GAS WELL
~~HEXKXX~~

(One copy of this report and three identical copies of a plat or map, on a scale not smaller than 400 feet to the inch, and showing information required by Section 45-114, Code of Virginia, 1950, must be submitted to the Division of Mines, and copies sent by registered mail to all persons defined in above law, prior to obtaining a permit to drill.)

TO: DIVISION OF MINES
BIG STONE GAP, VIRGINIA

Charleston, W. Va.
Place

August 18, _____, 19 81
Date

Gentlemen:

The undersigned proposes to begin as soon as a permit therefor is obtained from the Division of Mines, to drill, ~~redrill or deepen~~ (strike out two) a well for ~~oil~~ gas on the Pittston Company Farm, comprising 28,810.88 acres, in the Prater District of Buchanan County, Virginia, having the fee title thereto, or as the case may be, under grant or lease dated 5-1-70, made by Pittston Company to Columbia Gas Trans. Corp. and recorded on the _____ day of _____, 19 -- in the office of the County Clerk for said County in Book 195, page 198.

The proposed location of the well, as shown on the attached plat or map, is about 10,100 feet South of 37° 17' 30" and about 11,400 feet West of 82° 10' 00".

It is proposed to drill this well to a depth of about 6200 feet. Samples or cuttings therefrom ~~will not~~ will be available for examination by a member of the staff of the Virginia Geological Survey. Cuttings ~~will not~~ will be furnished the Survey.

A plat or map, in triplicate, on a scale not smaller than 400 feet to the inch, showing the proposed location of the well and other information, required in Section 45-114, Code of Virginia, 1950, is attached hereto. Copies of the plat and notice of intention to drill, redrill or deepen the aforementioned well have been sent to all interested persons as required by Section 45-114, above cited, as follows (List names and mail address of each. Use back of sheet if additional space is required):

- The Pittston Company, Dante, Virginia 24327
- Harman Coal Company, Harman, Virginia 24618
- _____
- _____
- _____
- _____

Very truly yours,

Signature of officer or certifying party:

J. Weekley
Name
Director, Drilling & Operations
Title

Columbia Gas Transmission Corporation
Drilling Company or Operator

P. O. Box 1273
Street Address

Charleston, W. Va. 25325
City or Town, and State

File BU-208 Date Received 8-20-81 Well No. 20292-T



COMMONWEALTH OF VIRGINIA
 DIVISION OF MINES AND QUARRIES
 DEPARTMENT OF LABOR AND INDUSTRY
 BIG STONE GAP, VIRGINIA

~~XXXXXXXX~~
 APPLICATION FOR PERMIT TO DRILL ~~XXXXX~~ GAS WELL
~~REDRILL~~

(Required by Section 45-115, Code of Virginia, 1950. To be accompanied by Permit fee of twenty-five dollars and bond and surety therefor, as specified by Section cited. To be submitted in duplicate, one copy to be returned to applicant after action by Division of Mines and Quarries.)

TO: DIVISION OF MINES AND QUARRIES
 BIG STONE GAP, VIRGINIA

Charleston, W. Va.
 Place
August 18, 1981
 Date

Gentlemen:

The undersigned hereby makes application for a Permit to drill, ~~redrill or deepen~~ (strike out two) a well for oil or gas on the Pittston Coal Co. Farm, comprising 28,810.88 acres, in the Prater District of Buchanan County, Virginia, having the fee title thereto, or as the case may be, under grant or lease dated 6/2, 19 70 made by Pittston Coal Co. to Columbia Gas Transmission Corporation and recorded on the day of , 19 in the office of the County Clerk for the said County in Book 195 page 198.

The proposed location of the well is shown on a location plat or map submitted to the Division of Mines and Quarries, by the undersigned, together with Notice of Intention to Drill, ~~Redrill or Deepen~~ a Well for ~~Oil or Gas~~ (Form 2) on the 18th day of August, 19 81.

The proposed well will be known as Well No. 20292-T of Columbia Gas Transmission Corp. (company, etc.) It is proposed to drill this well to a depth of about 6200 feet.

The proposed location is about 680 feet distant from the nearest property or lease line; about feet distant from the nearest mining opening, or quarry (strike out words not applicable); and/or about feet distant from the nearest ~~drilling, abandoned or producing, or applied for~~ (strike out words not applicable) ~~oil or gas~~ (strike out words not applicable) well.

There is enclosed herewith a certified check or U. S. Postal Money Order, in the amount of twenty-five (\$25.00), payable to the Treasurer of Virginia, covering fee for a Permit to Drill a Well for Oil or Gas, as required by Section 45-115, Code of Virginia, 1950.

Bond and surety therefor to insure compliance with the provisions of Chapter 8, Title 45, Code of Virginia, 1950, for this well, in the amount of \$ 11,000 is submitted herewith of (give status of) Policy No. 907352

Correspondence regarding this well should be addressed to Mr. J. L. Weekley
P. O. Box 1273, Charleston, W. Va. 25325.

Signature of officer or certifying party:

J. L. Weekley
 Name
Director, Drilling & Operations
 Title

Very truly yours,

Columbia Gas Transmission Corporation
 Drilling Company or Operator
P. O. Box 1273
 Street
Charleston
 City of Town
West Virginia 25325
 State

Space below this line is for the use of the Board only.
 ACTION OF DIVISION OF MINES AND QUARRIES

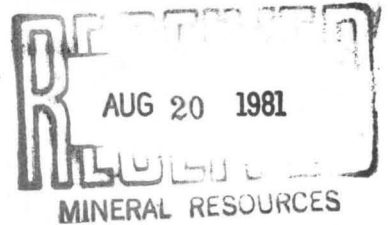
Received on 8-20, 19 81.
 Approved and Permit (No. 441) granted on September 2, 19 81.
 Denied
 Reasons for denial

DIVISION OF MINES AND QUARRIES
 By B. J. Jones, State Mine Inspector
 Title

File No. BU-208 Well No. 20292-T Permit No. 440

Commonwealth of Virginia
DEPARTMENT OF LABOR AND INDUSTRY
Division of Mines
Big Stone Gap, Virginia

VIRGINIA DIVISION OF



~~XXXXXX~~
NOTICE OF INTENTION TO DRILL ~~XXXXX~~ GAS WELL
~~XXXXXX~~

(One copy of this report and three identical copies of a plat or map, on a scale not smaller than 400 feet to the inch, and showing information required by Section 45-114, Code of Virginia, 1950, must be submitted to the Division of Mines, and copies sent by registered mail to all persons defined in above law, prior to obtaining a permit to drill.)

TO: DIVISION OF MINES
BIG STONE GAP, VIRGINIA

Charleston, W. Va.
Place
August 18, 1981
Date

Gentlemen:

The undersigned proposes to begin as soon as a permit therefor is obtained from the Division of Mines, to drill, ~~redrill or deepen~~ (strike out two) a well for ~~oil~~ gas on the Pittston Company Farm, comprising 28,810.88 acres, in the Prater District of Buchanan County, Virginia, having the fee title thereto, or as the case may be, under grant or lease dated 5-1-70, made by Pittston Company to Columbia Gas Trans. Corp. and recorded on the ----- day of -----, 19 -- in the office of the County Clerk for said County in Book 195, page 198.

The proposed location of the well, as shown on the attached plat or map, is about 10,100 feet South of 37° 17' 30" and about 11,400 feet West of 82° 10' 00".

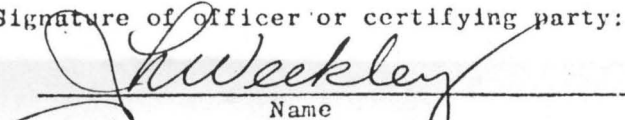
It is proposed to drill this well to a depth of about 6200 feet. Samples or cuttings therefrom ~~will not~~ will be available for examination by a member of the staff of the Virginia Geological Survey. Cuttings ~~will not~~ will be furnished the Survey.

A plat or map, in triplicate, on a scale not smaller than 400 feet to the inch, showing the proposed location of the well and other information, required in Section 45-114, Code of Virginia, 1950, is attached hereto. Copies of the plat and notice of intention to drill, ~~redrill~~ or deepen the aforementioned well have been sent to all interested persons as required by Section 45-114, above cited, as follows (List names and mail address of each. Use back of sheet if additional space is required):

- The Pittston Company, Dante, Virginia 24327
- Harman Coal Company, Harman, Virginia 24618
-
-
-
-

Very truly yours,

Signature of officer or certifying party:


Name
Director, Drilling & Operations
Title

Columbia Gas Transmission Corporation
Drilling Company or Operator
P. O. Box 1273
Street Address
Charleston, W. Va. 25325
City or Town, and State

File ----- Date Received ----- Well No. 20292-T

Commonwealth of Virginia
DEPARTMENT OF LABOR AND INDUSTRY
Division of Mines
Big Stone Gap, Virginia

3/20/81

~~XXXXXXXX~~
NOTICE OF INTENTION TO DRILL ~~XXXXXXXX~~ GAS WELL
~~XXXXXX~~

(One copy of this report and three identical copies of a plat or map, on a scale not smaller than 400 feet to the inch, and showing information required by Section 45-114, Code of Virginia, 1950, must be submitted to the Division of Mines, and copies sent by registered mail to all persons defined in above law, prior to obtaining a permit to drill.)

TO: DIVISION OF MINES Charleston, W. Va.
BIG STONE GAP, VIRGINIA Place
April 9, 19 81
Date

Gentlemen:

The undersigned proposes to begin as soon as a permit therefor is obtained from the Division of Mines, to drill, ~~XXXXXXXXXXXXXXXXXXXX~~ (strike out two) a well for oil or gas on the Walter Yates etal Farm, comprising 233.6 acres, in the Rock Lick District of Buchanan County, Virginia, having the fee title thereto, or as the case may be, under grant or lease dated 3-24-71, made by W. Yates to Columbia Gas Trans. Corp. and recorded on the -- day of --, 19 -- in the office of the County Clerk for said County in Book 199, page 560.

The proposed location of the well, as shown on the attached plat or map, is about 900 feet ~~XXXXX~~ South of 37° 17' 30" and about 7450' feet ~~XXXXX~~ West of 82° 12' 30".
SHOULD BE REVERSED ? - ACCORDING TO PLAT.

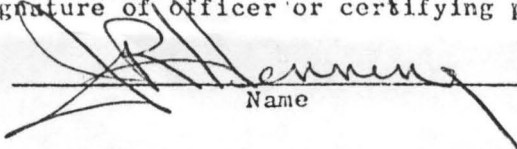
It is proposed to drill this well to a depth of about 6070 feet. Samples or cuttings therefrom ~~will not~~ will be available for examination by a member of the staff of the Virginia Geological Survey. Cuttings ~~will not~~ will be furnished the Survey.

A plat or map, in triplicate, on a scale not smaller than 400 feet to the inch, showing the proposed location of the well and other information, required in Section 45-114, Code of Virginia, 1950, is attached hereto. Copies of the plat and notice of intention to drill, redrill or deepen the aforementioned well have been sent to all interested persons as required by Section 45-114, above cited, as follows (List names and mail address of each. Use back of sheet if additional space is required):

1. Walter Yates, Harman, Virginia 24618
2. Nubern Yates, Haysi, Virginia 24256
3. Bull Creek Coal Co., Tazewell, Virginia 24651
4. Harman Mining Corp., Harman, Virginia 24618
5. _____
6. _____

Very truly yours,

Signature of officer or certifying party:



Name
Director, Exploration & Development
Title

Columbia Gas Transmission Corporation
Drilling Company or Operator
P. O. Box 1273
Street Address
Charleston, W. Va. 25325
City or Town, and State

File _____ Date Received _____ Well No. 20292-T

(To be filled in by
Division of Mines)

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF LABOR AND INDUSTRY

(To be filled in by
Division of Mines)

BUCHANAN
County

PRATER
District

HARMAN
Quadrangle

BU-208
File

DIVISION OF MINES

BIG STONE GAP, VIRGINIA

DEEPENED
OIL AND GAS WELL COMPLETION REPORT
ABANDONMENT

(This report and a copy of electrical log, if made, must
be submitted to the Division of Mines within 30 days after
abandonment or completion of well, as required by Section
45-113, Code of Virginia, 1950.)

Well No. 20292-T

Permit No. 441

County Code 027

Well
Classification DEVELOPMENT

Company Columbia Gas Transmission Corporation Address P. O. Box 1273, Charleston, WV 25325

Farm Pittston Company Acres 28,810.88

County Buchanan District Prater

Well No. (Company) 20,292-T Elevation (ground surface) 1916.49 ft.

Location: (Give direction and distance in feet from two (2) map coordinates (Latitude and Longitude) shown
on location plat or map previously filed with the Division of Mines or shown on quadrangle topo-
graphic map of area.)

11,400 feet west of 82° 10' 00" and

10,100 feet south of 37° 17' 30"

Surface of tract is owned in fee simple by Walter Yates

Address Harmon, Virginia 24618

Mineral rights are owned by Walter Yates

Address Harmon, Virginia 24618

Location made by Columbia Gas Transmission Corporation - Civil Engineering

Drilling commenced 12-1-81 Drilling contractor Ray Resources

Drilling completed 12-13-81 Address 630 Commerce Square, Charleston, WV

Well completed as ^{gas}~~oil~~ well on 4-29-82

Well abandoned at _____ feet on _____: Reason _____

Well plugged on _____, 19____ Affidavit filed _____, 19____

Total depth 6145 feet. Steel line measurement _____ feet.

Commenced producing on _____, 19____

Oil Well

Initial production, _____ Barrels per day.

Stimulation Record _____

Breakdown Pressure _____ psi; Average Injection Pressure _____ psi;

Average Injection Rate _____ BPM; Instant Shut-in Pressure _____ psi;

Min. Shut-in Pressure _____ psi;

Final Production _____ Barrels per day.

Gravity and grade of oil _____

Oil pays at (1) _____ feet to _____ feet. Oil shows at (1) _____ feet to _____ feet.

(2) _____ feet to _____ feet. (2) _____ feet to _____ feet.

(3) _____ feet to _____ feet. (3) _____ feet to _____ feet.

(4) _____ feet to _____ feet. (4) _____ feet to _____ feet.

Main production at _____ feet to _____ feet. (5) _____ feet to _____ feet.

Gas Well

Initial open flow, gas: _____ Gaged _____ /10ths. Water in _____ inch.

_____ /10ths. Mercury in _____ inch.

Well No. 20292-T

File No. _____

Permit No. 45-027-00441

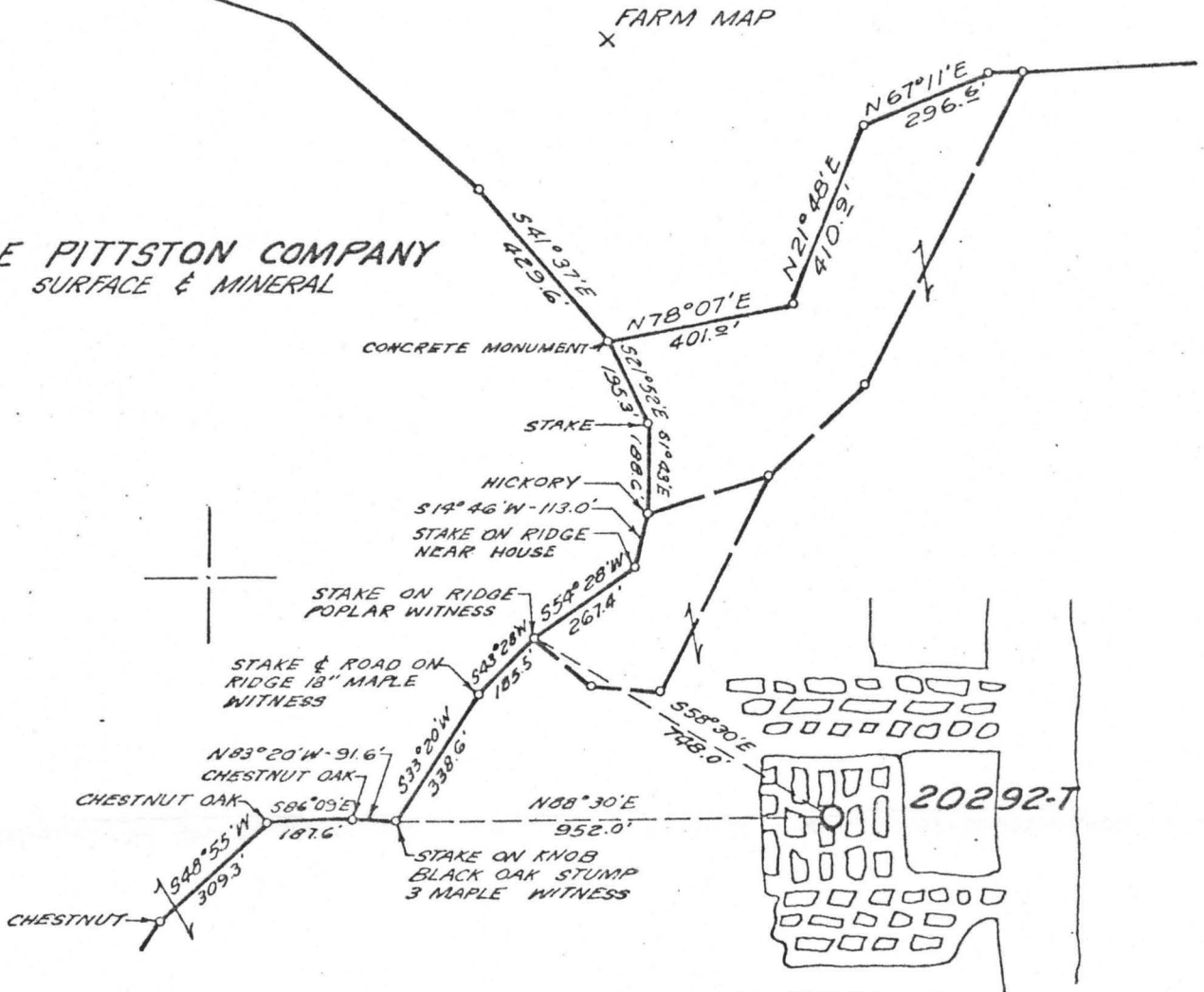
LOG

Furnished by _____ Date _____

Compiled by Charlotte Deck Date 6-15-82

GEOLOGIC AGE	FORMATION	GENERAL LITHOLOGY	COLOR	TOP (feet)	BOTTOM (feet)	THICKNESS (feet)	REMARKS OIL, GAS WATER DEPTHS SHUT DOWN FISHING, ETC.
	Sand			0	141	141	
	Sand & Shale			141	229	88	
	Sand			229	505	276	
	Sand & Shale			505	1965	1460	
	Salt Sand			1980	2169	189	
	Ravencliff			2644	2682	38	
	Maxon			2996	3046	50	
	Maxon			3340	3388	48	
	Big Lime			3524	4035	511	
	Berea			4705	4720	15	
	Devonian Shale			4720	6140	1420	
	Top Corniferous		DTD	6140			
			LTD	6145			

THE PITTSTON COMPANY SURFACE & MINERAL



CLINCHFIELD COAL CO-ORDINATES AT PROPOSED WELL LOCATION

N - 59,718
E - 51,760

REVISED
6-10-81
7-24-81

— COAL NOTE —
CLINCHFIELD COAL COMPANY;
CLINTWOOD AND LOWER SEAMS
LEASED TO AND OPERATED BY
HARMAN MINING CORP., HARMAN,
VIRGINIA. SPLASHDAM SEAM,
ELEV. 1333' ± MINED OUT AT
LOCATION SITE.

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

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

Signed _____

LAND SURVEYOR LIC. N° 99 (WVA)

Company COLUMBIA GAS TRANS. CORP.
 Address BOX 1273 CHARLESTON, W.V.
 Farm THE PITTSTON CO.
 Lease PT. 64340 Acres 28,810.88
 Well Farm No. _____ Ser. No. 20292-T
 Elevation - Spirit Level 1916.49'
 Quadrangle HARMAN, VA.-KY.
 Township or District PRATER
 County BUCHANAN
 Sec., Lot, Qr. _____ T _____ R _____
 Coordinates LAT: 37° 15' 50" LONG: 82° 12' 21"
 File No. 30-393 Dwg. No. _____
 Date 6-2-81 Scale 1" = 400'

FORM 1495 CE 4 CSD
(REV. 3-79)

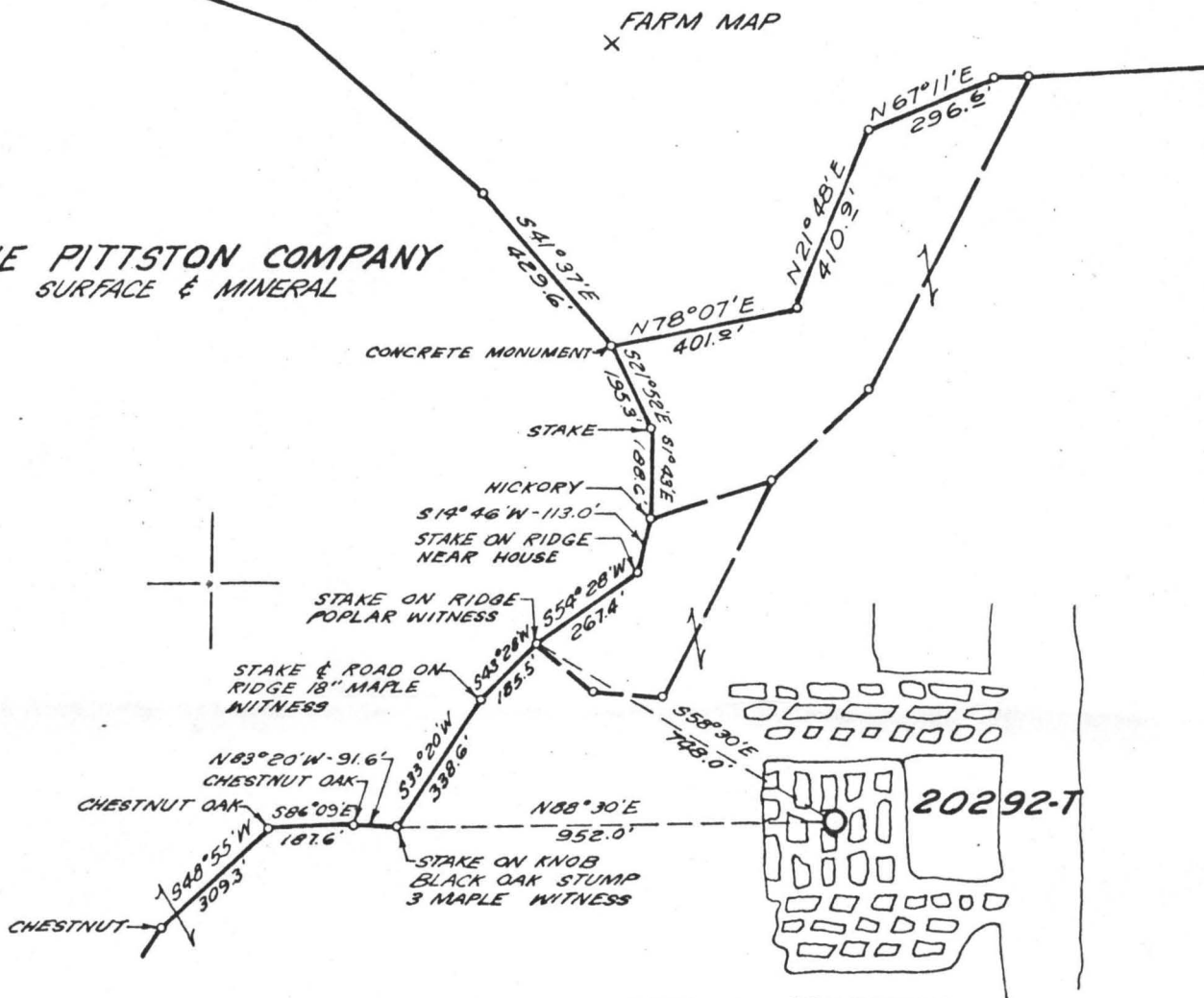
COLUMBIA GAS SYSTEM
COLUMBIA GAS TRANSMISSION CORPORATION

WELL LOCATION MAP
STATE OF VIRGINIA

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

Scale 15' 7-1/2'

THE PITTSTON COMPANY SURFACE & MINERAL



CLINCHFIELD COAL CO-ORDINATES AT PROPOSED WELL LOCATION

N - 59,718
E - 51,760

REVISED
6-10-81
7-24-81

— COAL NOTE —

CLINCHFIELD COAL COMPANY;
CLINTWOOD AND LOWER SEAMS
LEASED TO AND OPERATED BY
HARMAN MINING CORP., HARMAN,
VIRGINIA. SPLASHDAM SEAM,
ELEV. 1333' ± MINED OUT AT
LOCATION SITE.

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of the oil and gas section of the mining laws of VIRGINIA

Minimum degree of accuracy is one part in 200

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

Signed _____

LAND SURVEYOR LIC. N° 99 (W.VA)

Company COLUMBIA GAS TRANS. CORP.
 Address BOX 1273 CHARLESTON, W.V.
 Farm THE PITTSTON CO.
 Lease PT. 64340 Acres 28,810.88
 Well Farm No. _____ Ser. No. 20292-T
 Elevation - Spirit Level 1916.49'
 Quadrangle HARMAN, VA.-KY.
 Township or District PRATER
 County BUCHANAN
 Sec., Lot, Qr. _____ T _____ R _____
 Coordinates LAT: 37° 15' 50" LONG: 82° 12' 21"
 File No. 30-393 Dwg. No. _____
 Date 6-2-81 Scale 1" = 400'

FORM 1495 CE 4 CSD
(REV. 3-79)

COLUMBIA GAS SYSTEM
COLUMBIA GAS TRANSMISSION CORPORATION

WELL LOCATION MAP STATE OF VIRGINIA

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

Scale 15' 7-1/2'

VIRGINIA DIVISION OF MINERAL RESOURCES
 Box 3667, Charlottesville, VA 22903

INTERVAL SHEET

Page 1 of 2

Well Repository No.: W-6689

Date rec'd: Date Processed: 3/12/84

Sample Interval: from 3000 to: 6110

PROPERTY: Pittston Co. - Well #20292-T

Number of samples: 221

COMPANY: Columbia Gas Transmission Corp.

Total Depth: 6145

COUNTY: Buchanan

Oil or Gas: X Water: Exploratory:

From-To	From-To	From-To	From-To	From-To
3000 - 3010	3300 - 3310	3600 - 3610	3900 - 3910	4200 - 4210
3010 - 3020	3310 - 3320	3610 - 3620	3910 - 3920	4210 - 4220
3020 - 3030	3320 - 3330	3620 - 3630	3920 - 3930	4220 - 4230
3030 - 3040	3330 - 3340	3630 - 3640	3930 - 3940	4230 - 4240
3040 - 3050	3340 - 3350	3640 - 3650	3940 - 3950	4240 - 4250
3050 - 3060	3350 - 3360	3650 - 3660	3950 - 3960	4250 - 4260
3060 - 3070	3360 - 3370	3660 - 3670	3960 - 3970	4260 - 4270
3070 - 3080	3370 - 3380	3670 - 3680	3970 - 3980	4270 - 4280
3080 - 3090	3380 - 3390	3680 - 3690	3980 - 3990	4280 - 4290
3090 - 3100	-	3690 - 3700	3990 - 4000	4290 - 4300
3100 - 3110	-	3700 - 3710	4000 - 4010	4300 - 4310
3110 - 3120	-	3710 - 3720	4010 - 4020	4310 - 4320
3120 - 3130	-	3720 - 3730	4020 - 4030	4320 - 4330
3130 - 3140	3430 - 3440	3730 - 3740	4030 - 4040	4330 - 4340
3140 - 3150	3440 - 3450	3740 - 3750	4040 - 4050	4340 - 4350
3150 - 3160	3450 - 3460	3750 - 3760	4050 - 4060	4350 - 4360
3160 - 3170	3460 - 3470	3760 - 3770	4060 - 4070	4360 - 4370
3170 - 3180	3470 - 3480	3770 - 3780	4070 - 4080	4370 - 4380
3180 - 3190	3480 - 3490	3780 - 3790	4080 - 4090	4380 - 4390
3190 - 3200	3490 - 3500	3790 - 3800	4090 - 4100	4390 - 4400
3200 - 3210	3500 - 3510	3800 - 3810	4100 - 4110	4400 - 4410
3210 - 3220	3510 - 3520	3810 - 3820	4110 - 4120	4410 - 4420
3220 - 3230	3520 - 3530	3820 - 3830	4120 - 4130	4420 - 4430
3230 - 3240	3530 - 3540	3830 - 3840	4130 - 4140	4430 - 4440
3240 - 3250	3540 - 3550	3840 - 3850	4140 - 4150	4440 - 4450
3250 - 3260	3550 - 3560	3850 - 3860	4150 - 4160	4450 - 4460
3260 - 3270	3560 - 3570	3860 - 3870	4160 - 4170	4460 - 4470
3270 - 3280	3570 - 3580	3870 - 3880	4170 - 4180	4470 - 4480
3280 - 3290	3580 - 3590	3880 - 3890	4180 - 4190	4480 - 4490
3290 - 3300	3590 - 3600	3890 - 3900	4190 - 4200	4490 - 4500

VIRGINIA DIVISION OF MINERAL RESOURCES
 Box 3667, Charlottesville, VA 22903

INTERVAL SHEET
 Continued

Page 2 of 2

Well Repository No.: W- 6689

From-To	From-To	From-To	From-To	From-To
4500 - 4510	5060 - 5090	-	-	-
4510 - 4520	5090 - 5120	-	-	-
4520 - 4530	5120 - 5150	-	-	-
4530 - 4540	5150 - 5180	-	-	-
4540 - 4550	5180 - 5210	-	-	-
4550 - 4560	5210 - 5240	-	-	-
4560 - 4570	5240 - 5270	-	-	-
4570 - 4580	5270 - 5300	-	-	-
4580 - 4590	5300 - 5330	-	-	-
4590 - 4600	5330 - 5360	-	-	-
4600 - 4610	5360 - 5390	-	-	-
4610 - 4620	5390 - 5420	-	-	-
4620 - 4630	5420 - 5450	-	-	-
4630 - 4640	5450 - 5480	-	-	-
4640 - 4650	5480 - 5510	-	-	-
4650 - 4660	5510 - 5540	-	-	-
4660 - 4670	5540 - 5570	-	-	-
4670 - 4680	5570 - 5600	-	-	-
4680 - 4690	5600 - 5630	-	-	-
4690 - 4700	5630 - 5660	-	-	-
4700 - 4710	5660 - 5690	-	-	-
4710 - 4720	5690 - 5720	-	-	-
4720 - 4730	5720 - 5750	-	-	-
4730 - 4740	5750 - 5780	-	-	-
4740 - 4750	5780 - 5810	-	-	-
4750 - 4760	5810 - 5840	-	-	-
4760 - 4770	5840 - 5870	-	-	-
4770 - 4780	5870 - 5900	-	-	-
4780 - 4790	5900 - 5930	-	-	-
4790 - 4800	5930 - 5960	-	-	-
4800 - 4810	5960 - 5990	-	-	-
4810 - 4820	5990 - 6020	-	-	-
4820 - 4850	6020 - 6050	-	-	-
4850 - 4880	6050 - 6080	-	-	-
4880 - 4910	6080 - 6110	-	-	-
4910 - 4940	-	-	-	-
4940 - 4970	-	-	-	-
4970 - 5000	-	-	-	-
5000 - 5030	-	-	-	-
5030 - 5060	-	-	-	-