



1) Date: March 30, 19 83
 2) Operator's Well No. 20581
 3) API Well No. 47 039 3950
 State County Permit

DRILLING CONTRACTOR:
Ray Resources Corporation

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

OIL AND GAS WELL PERMIT APPLICATION

- 4) WELL TYPE: A Oil / Gas X /
 B (If "Gas", Production X / Underground storage / Deep X / Shallow)
- 5) LOCATION: Elevation: 1431.20 Watershed: Left Fork Witcher Creek
 District: Cabin Creek County: Kanawha Quadrangle: Quick
- 6) WELL OPERATOR Columbia Gas Transmission Corp. 11) DESIGNATED AGENT J. L. Weekley
 Address P. O. Box 1273 Address P. O. Box 1273
Charleston, WV 25325 Charleston, WV 25325
- 7) OIL & GAS ROYALTY OWNER Amherst Industries Inc. 12) COAL OPERATOR Pratt Mining Company
 Address Port Amherst Address P. O. Box 1751
Charleston, WV 25306 Hansford, WV 25103
 Acreage 575
- 8) SURFACE OWNER Amherst Industries, Inc. 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Address Name Amherst Industries, Inc.
 Address Name
 Address Address
- 9) FIELD SALE (IF MADE) TO:
 Address
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name D. Craig Duckworth
 Address P. O. Box 454
Mt. Lookout, WV 26678
- 15) PROPOSED WORK: Drill X / Drill deeper / Redrill / Fracture or stimulate
 Plug off old formation / Perforate new formation
 Other physical change in well (specify)
- 16) GEOLOGICAL TARGET FORMATION, Tuscarora
- 17) Estimated depth of completed well, 6730 feet
- 18) Approximate water strata depths: Fresh, feet; salt, feet.
- 19) Approximate coal seam depths: 75', 180' Is coal being mined in the area? Yes / No X /

RECEIVED

APR 4 - 1983

OIL AND GAS DIVISION
 WV DEPARTMENT OF MINES

20) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS	
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well			
Conductor	20"			X		60	60	To surface	Kinds	
Fresh water	13-3/8"			X		225	225	To surface		
Coal	9-5/8"			X		2350	2350	To surface	Sizes	
Intermediate	7"			X		5200		<u>285 sks</u>	<u>As req by Rule 15-C</u>	
Production	4-1/2"			X		6730			Depths set	
Tubing										
Liners									Perforations:	
									Top	Bottom

- 21) EXTRACTION RIGHTS
 Check and provide one of the following:
 Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
 The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)
- 22) ROYALTY PROVISIONS
 Is the right to extract, produce or market the oil or gas based upon a lease or other continuing contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No
- If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.
- 23) Required Copies (See reverse side.)

24) Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

Notary: Harry A. Burdette
 My Commission Expires August 13, 1989

Signed: J. L. Weekley
 Its: Director, Drilling & Operations

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-039-3950 Date May 2 19 83
02/16/2024

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. **Notification must be given to the District Oil and Gas Inspector. (Refer to No. 10) Prior to the construction of roads, locations and pits for any permitted work.** In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

Permit expires January 2, 1984 unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond: <u>BB</u>	Agent: <u> </u>	Plat: <u> </u>	Casing: <u> </u>	Fee: <u>406.00 869</u>
-----------------	----------------------	---------------------	-----------------------	------------------------

J. L. Weekley
 Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.

Line Item Explanation

- 1) Date of Application
- 2) Your well name and number
- 3) To be filled out by office of oil & gas
- 4A) "Oil" means natural crude oil or petroleum and other hydrocarbons, regardless of gravity, which are produced at the well in liquid form by ordinary production methods and which are not the result of condensation of gas after it leaves underground reservoirs: "Gas" means all natural gas and all other fluid hydrocarbons not defined as oil.
- 4B) "Shallow well" means any well drilled and completed in a formation above the top of the uppermost member of the "Onondaga Group" or a depth less than six thousand feet, whichever is shallower.
"Deep well" means any well drilled and completed in a formation at or below the top of the uppermost member of the "Onondaga Group" or at a depth less than six thousand feet, whatever is shallower.
- 5) Where well is located
- 6) Before a permit can be issued in a corporation, company partnership, or fictitious name, the name must be registered with the Secretary of State Office
- 7) Use separate sheet if necessary
- 8) Present surface owner at time application is filed.
- 9) Optional
- 11) See Reg. 7.01 relating to code §22-4-1k
- 12) "Coal Operator" means any persons, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine. See Note 24
- 13 & 14) As per §22-4-20; See Note 24
- 15) Work that will be attempted—A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.
- 16) Anticipated formation for which well will be completed
- 17) Self explanatory
- 18) Depth to deepest freshwater, and shallowest salt water, taken from nearby wells corrected for differences in elevation
- 19) All coal seam depths
- 20) Proposed casing program and cementing refer to Code 22-4-5, 22-4-6, 22-4-7, 22-4-8, 22-4-8a Reg 9.01, 15.01, 15.02, 15.03, 15.04, 25.01, 25.02, 25.03, 25.04
- 21) Code 22-4-11(c) - In lieu of filing the lease or leases or other continuing contract or contracts, the applicant for a permit described herein may file the following:
 - (1) A brief description of the tract of land including the district and county wherein the tract is located;
 - (2) The identification of all parties to all leases or other continuing contractual agreements by which the right to extract, produce or market the oil or gas is claimed;
 - (3) The book and page number wherein each such lease or contract by which the right to extract, produce or market the oil or gas is recorded;
 - (4) A brief description of the royalty provisions of each such lease or contract.
- 22) Code 22-4-11(d) and 22-4-11(e).
- 23) Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code §22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code §22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code §22-4-12a, and (v) if applicable, the consent required by Code §22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

24) The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof.

WAIVER

02/16/2024

The undersigned coal operator _____ / owner _____ / lessee _____ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: _____, 19 _____

By _____

Its _____



MAR. 22 1983

IV-9
(Rev 8-81)

DATE March 17, 1983

WELL NO. 20581

State of West Virginia
Department of Mines
Oil and Gas Division
API NO. 47-039-3950

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Columbia Gas Transmission Corp. DESIGNATED AGENT J. L. Weekley
Address P. O. Box 1273, Charleston, WV Address P. O. Box 1273, Charleston, WV
Telephone 357-2000 Telephone 357-2000
LANDOWNER Amherst Coal Co. SOIL CONS. DISTRICT Capitol
Revegetation to be carried out by J. L. Weekley (Agent)

This plan has been reviewed by Capitol SCD. All corrections and additions become a part of this plan: MAR. 29 1983

(Date)
R. C. Alford
(SCD Agent)

ACCESS ROAD

LOCATION

Structure 16" culvert (A)
Spacing per sketch
Page Ref. Manual 2-7 & 2-8 Table 3 & 4

Structure Diversion ditch (1)
Material per sketch (Earthen)
Page Ref. Manual 2-13 + 2-12

Structure Rip Rap (B)
Spacing Rock Berms
Page Ref. Manual 2-10

Structure Rip Rap (2)
Material Rock Berms
Page Ref. Manual 2-10

Structure Open ditch (C)
Spacing per sketch
Page Ref. Manual 2-12 & 2-14

Structure Sediment Barrier (3)
Material Rock Berms
Page Ref. Manual 2-16

All structures should be inspected regularly and repaired if necessary. All commercial timber is to be cut and stacked and all brush and small timber to be cut and removed from the site before dirt work begins.

REVEGETATION

Treatment Area I

Treatment Area II

Lime Three (3) Tons/acre
or correct to pH 6.5
Fertilizer 500 lbs/acre
(10-20-20 or equivalent)
Mulch (Straw) Two (2) Tons/acre
Seed* Ky 31" fescue 30 lbs/acre
Birdsfoot Trefoil 10 lbs/acre
lbs/acre

Lime Three (3) Tons/acre
or correct to pH 6.5
Fertilizer 500 lbs/acre
(10-20-20 or equivalent)
Mulch (Straw) Two (2) Tons/acre
Seed* Ky 31" fescue 30 lbs/acre
Birdsfoot Trefoil 10 lbs/acre
lbs/acre

02/16/2024

*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

PLAN PREPARED BY Michael John
ADDRESS P. O. Box 1273
Charleston, WV
PHONE NO. 357-2584

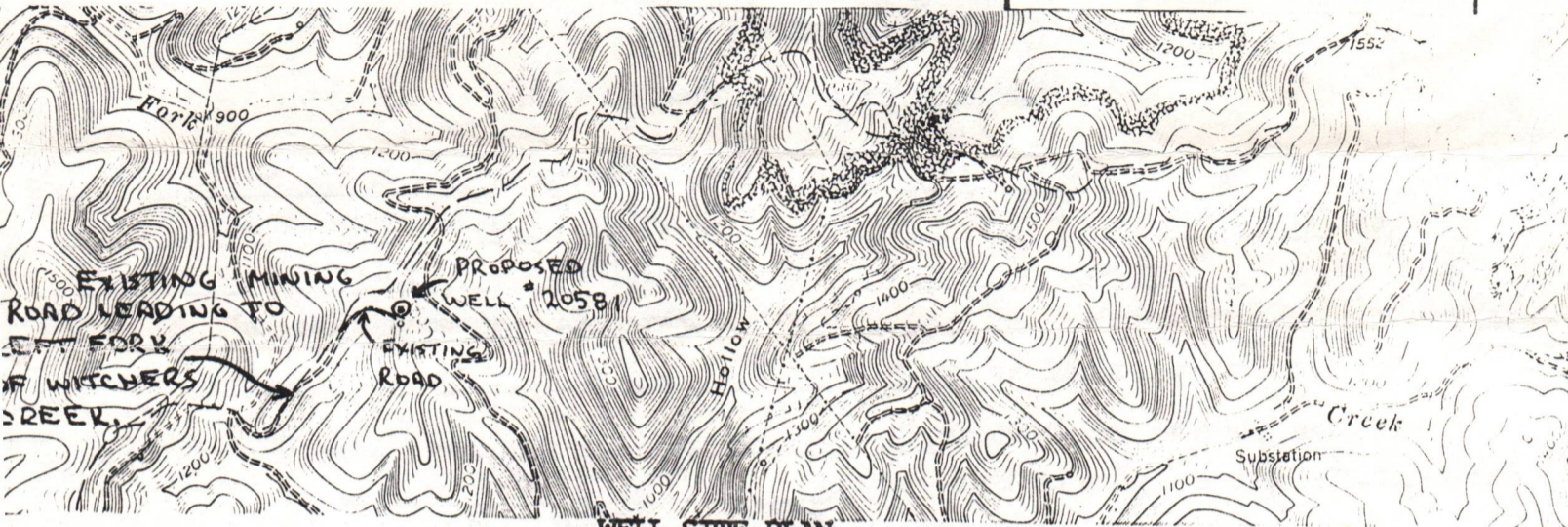
NOTES: Please request landowners' cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.

ATTACH OR PHOTOCOPIY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE QUICK

LEGEND

Well Site ⊕

Access Road ———



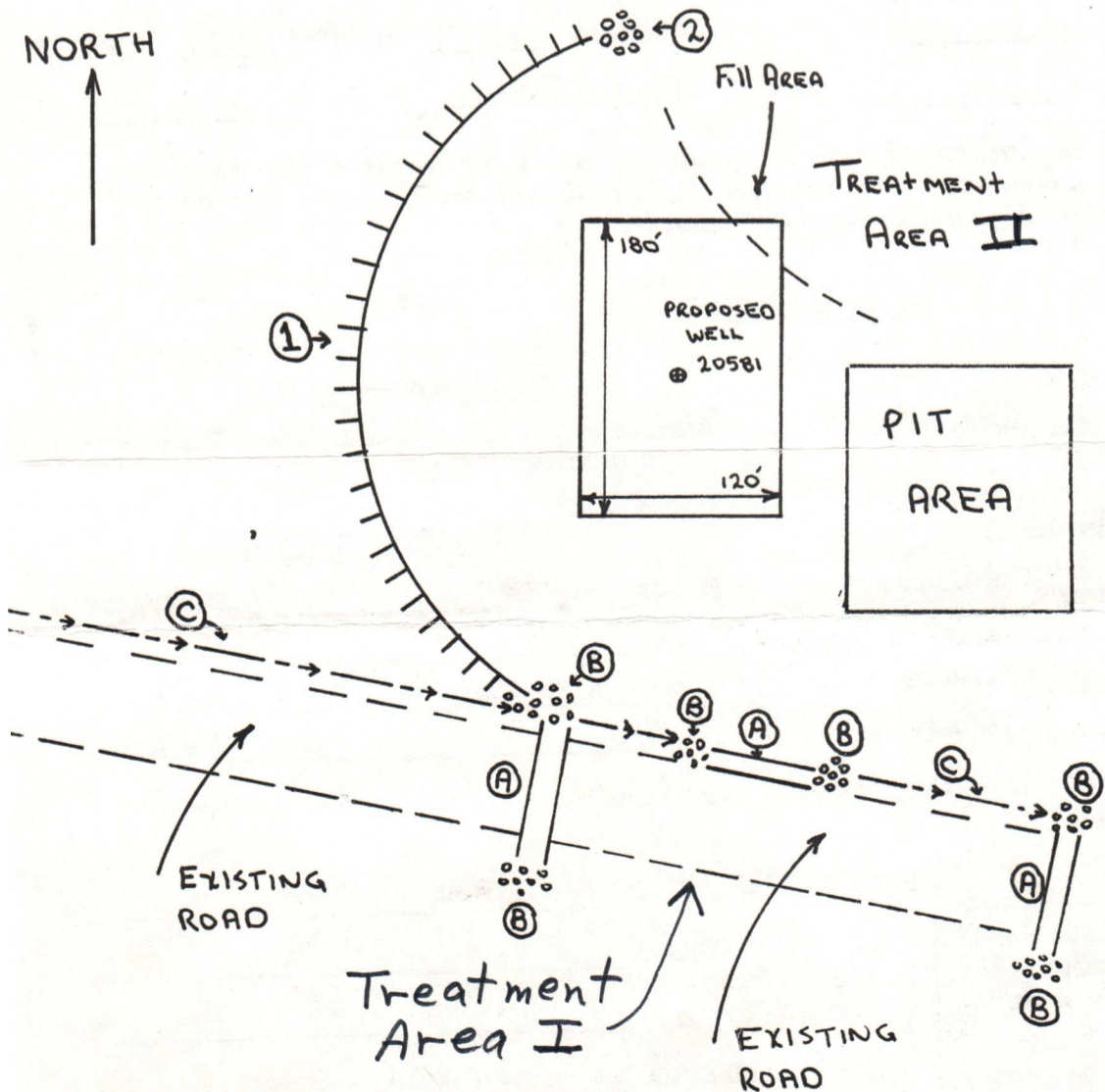
WELL SITE PLAN

Sketch to include well location, existing access road, roads to be constructed, wellsite drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

LEGEND

Property boundary ————	Diversion ————
Road ————	Spring ○→
Existing fence — x — x —	Wet spot ⊕
Planned fence — / — / —	Building ■
Stream ~~~~~	Drain pipe —○→○→
Open ditch ———→——→	Waterway ←———

NORTH ↑



COMMENT: Topsoil shall be scalped from the disturbed AREA, stockpiled and utilized for topdressing AFTER the site is regraded.

02/16/2024
EXISTING WELL #9344 ⊕



STATE OF WEST VIRGINIA
 OIL AND GAS CONSERVATION COMMISSION
 CHARLESTON 25305

May 2, 1983

Mr. Theodore M. Streit, Administrator
 Department of Mines
 Office of Oil and Gas

RE: APPLICATION FOR PERMIT #47- 039 - 3950 TO DRILL DEEP WELL

COMPANY: COLUMBIA GAS TRANSMISSION CORPORATION

FARM: AMHERST INDUSTRIES, INC.

COUNTY: KANAWHA DISTRICT: CABIN CREEK

The application of the above company is APPROVED FOR TUSCARORA COMPLETION
 (APPROVED - DISAPPROVED)

Applicant HAS complied with the provisions of Chapter twenty-two, Article
HAS - HAS NOT
 four-a, (522-4A), of the Code of West Virginia, nineteen hundred and thirty-one (1931)
 as amended, Oil and Gas Conservation Commission, as follows:

1. *Provided a certified copy of duly acknowledged and recorded consent and easement from all surface owners; Yes*
2. *Provided a tabulation of all deep wells within one mile of the proposed location, including the API number of the deep well, well name, and the name and address of the operator, and, ***
3. *Provided a plat showing that the proposed location is a distance of 1300 feet from the nearest unit boundary and showing the following wells drilling to or capable of producing from the objective formation within 3000 feet of the proposed location: See ***

Very truly yours,

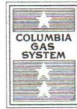
James B. Gehr
 James B. Gehr (J.B.G.)
 Commissioner

**
 039-3884

TEH/rf

02/16/2024

COLUMBIA GAS TRANSMISSION CORPORATION



ADDRESS REPLY TO
POST OFFICE BOX 1273
CHARLESTON, WEST VIRGINIA 25325

March 30, 1983

In compliance with the requirements of the West Virginia Department of Mines, the following data is submitted on Columbia Gas Transmission Well No. 20581, Kanawha County, West Virginia.

1. The nearest outside unit boundary line is approximately 1300' East of the subject well location.
2. Existing "deep test wells" within a one mile radius are as follows:
 - A. Columbia Gas Transmission Corporation
Well No. 20543
A.P.I. No. 47-039-3884
 - B. Columbia Gas Transmission Corporation
Well No. 20545
A.P.I. No. 47-039-3700

A handwritten signature in cursive script that reads "Larry G. Burdette".

RECEIVED

APR 4 - 1983

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

02/16/2024



Date November 17, 1983
 Operator's Well No. 20581
 Farm Amherst Coal Co.
 API No. 47-039-0395

RECEIVED
 NOV 21 1983

State of West Virginia
 Department of Mines
 Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

WELL OPERATOR'S REPORT
 OF

039-3950

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil ___ / Gas X / Liquid Injection ___ / Waste Disposal ___ /
 (If "Gas," Production X / Underground Storage ___ / Deep X / Shallow ___ /)

LOCATION: Elevation: 1431.20 Watershed Left Fork Witcher Creek

District: Cabin Creek County Kanawha Quadrangle Quick

COMPANY Columbia Gas Transmission Corporation

ADDRESS P. O. Box 1273, Charleston, WV 25325

DESIGNATED AGENT James L. Weekley

ADDRESS P. O. Box 1273, Charleston, WV 25325

SURFACE OWNER Amherst Industries, Inc.

ADDRESS Port Amherst, Charleston, WV 25306

MINERAL RIGHTS OWNER Amherst Industries, Inc.

ADDRESS Port Amherst, Charleston, WV 25306

OIL AND GAS INSPECTOR FOR THIS WORK D. Craig
P. O. Box 454

Duckworth ADDRESS Mt. Lookout, WV 26678

PERMIT ISSUED 4-15-83

DRILLING COMMENCED 5-17-83

DRILLING COMPLETED 5-18-83

IF APPLICABLE: PLUGGING OF DRY HOLE ON
 CONTINUOUS PROGRESSION FROM DRILLING OR
 REWORKING. VERBAL PERMISSION OBTAINED
 ON _____

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.	20	20	15 sacks
13-10"	221.78	221.78	165 sacks
9 5/8	2523.37	2532.37	630 sacks
8 5/8			
7	5520.63	5520.63	280 sacks
5 1/2			
4 1/2	6866.94	6866.94	140 sacks
3			
2	6812.15	6812.15	
Liners used			

GEOLOGICAL TARGET FORMATION Tuscarora Depth 6730 feet

Depth of completed well 6918 feet Rotary X / Cable Tools _____

Water strata depth: Fresh 109,1090 feet; Salt _____ feet

Coal seam depths: 156', 290', 392', 424' Is coal being mined in the area? Yes

OPEN FLOW DATA

Producing formation Tuscarora Pay zone depth 6894-6902 feet

Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d

Final open flow 4420 Mcf/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ hours

Static rock pressure 1580 psig (surface measurement) after 72 hours shut

(If applicable due to multiple completion--)

Second producing formation _____ Pay zone depth _____ feet

Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d

Final open flow _____ Mcf/d Oil: Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ hours

Static rock pressure _____ psig (surface measurement) after _____ hours shut in

02/16/2024

Kanawha 3095

Natural Well

RECEIVED

DEPT. OF MINES
OFFICE OF THE DIVISION

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all and salt water, coal, oil and
Shale			0	76	
Sand Shale			76	156	
Coal			156	162	
Shale			162	290	
Penn Coal			290	300	
Shale			300	392	
Undiff. Coal			392	398	
Shale			398	424	
Cole			424	429	
Shale			429	562	
Sand			562	623	
Shale			623	716	
Sand			716	754	
Shale			754	793	
Sand			793	830	
Shale			830	915	
Sand			915	932	
Shale			932	1012	
Salt Sand			1012	1062	
Shale			1062	1090	
Salt Sand			1090	1226	
Shale			1226	1263	
Salt Sand			1263	1526	
Shale			1526	1552	
Maxon Sand			1552	1834	
Greenbrier			1850	2030	
Big Injun			2030	2070	
Pocono Undif.			2070	2520	
Devonian Shale			2520	5330	
Onondaga			5330	5430	
Williamsport			6115	6145	
Tuscarora			6850	6910	
LTD				6913	
DTD				6918	

(Attach separate sheets as necessary)

Columbia Gas Transmission Corporation

Well Operator

By: *[Signature]*

Date: November 17, 1983

02/16/2024

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 ... encountered in the drilling of a well."

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

RECEIVED

MAY 26 1983

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 039-3950

Oil or Gas Well _____
(KIND)

Company COLUMBIA GAS TRANS.
 Address CHARLESTON, W. VA.
 Farm AMHERST INDUSTRIES
 Well No. 20581
 District CABIN CREEK County KANAWHA
 Drilling commenced 5/18/83
 Drilling completed _____ Total depth _____
 Date shot _____ Depth of shot _____
 Initial open flow _____ /10ths Water in _____ Inch
 Open flow after tubing _____ /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 Fresh water _____ feet _____ feet
 Salt water _____ feet _____ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer _____
13			
10			Size of _____
8 1/4			
6 3/8			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED 13 3/8 SIZE 221 No. FT. 5/21 Date
 NAME OF SERVICE COMPANY HALLBURTON
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES _____ FEET _____ INCHES
 _____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names RAY RES RIG 6 CLIFF HAMES (TOOK PUSHER)
JOHN NESTOR EDWARD FRAZER LEONARD McCARTY

Remarks: RAN 221' OF 13 3/8 CEMENTED TO SURFACE WITH 165 SKS

1479' AT 8:30

5/23/83
DATE

Craig Duckworth 505
DISTRICT WELL INSPECTOR

02/16/2024

FORM 26
2/16/82

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

INSPECTOR'S PLUGGING REPORT

Permit No. _____

Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner Location Amount Packer Location

PLUGS USED AND DEPTH PLACED			BRIDGES	CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks: _____

_____ I hereby certify I visited the above well on this date.

DATE

02/16/2024

DISTRICT WELL INSPECTOR

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

RECEIVED

JUN -3 1983

INSPECTOR'S WELL REPORT OIL & GAS DIVISION
DEPT. OF MINES

Permit No. D39-3950

Oil or Gas Well _____
(KIND)

Company COLUMBIA GAS TRANS.

Address CHARLESTON, W.V.

Farm AMHERST INDUSTRIES

Well No. 20581

District CABIN CREEK County KANAWHA

Drilling commenced 5/18/83

Drilling completed _____ Total depth _____

Date shot _____ Depth of shot _____

Initial open flow _____ /10ths Water in _____ Inch

Open flow after tubing _____ /10ths Merc. in _____ Inch

Volume _____ Cu. Ft.

Rock pressure _____ lbs. _____ hrs.

Oil _____ bbls., 1st 24 hrs.

Fresh water _____ feet _____ feet

Salt water _____ feet _____ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer _____
13			
10			Size of _____
8 3/4			
6 3/4			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED 9 5/8 SIZE 2523 No. FT. 5/27 Date

NAME OF SERVICE COMPANY HALLIBURTON

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES FEET _____ INCHES

_____ FEET _____ INCHES FEET _____ INCHES

Drillers' Names RAY RES. RIG 6 CLIFF HAMES (TOOL PUSHER)

Remarks: RAN 2523' OF 9 5/8 CEMENTED TO SURFACE WITH 200 SKS
5497' AT 11:00 AM.

5/31/83
DATE

Craig Duckworth 02/16/2024
DISTRICT WELL INSPECTOR 505

Form 26
2/16/82

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION
INSPECTOR'S PLUGGING REPORT

Permit No. _____ Well No. 160

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner Location Amount Packer Location

PLUGS USED AND DEPTH PLACED			BRIDGES	CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks: _____

I hereby certify I visited the above well on this date.

DATE

2/16/2024

02/16/2024

DISTRICT WELL INSPECTOR

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

RECEIVED

JUN -7 1983

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. D39-395D

Oil or Gas Well
(KIND)

Company COLUMBIA GAS TRANS.

Address CHARLESTON, W.VA.

Farm AMHERST INDUSTRIES

Well No. 20581

District CABIN CREEK County KANAWHA

Drilling commenced 5/18/83

Drilling completed _____ Total depth _____

Date shot _____ Depth of shot _____

Initial open flow _____ /10ths Water in _____ Inch

Open flow after tubing _____ /10ths Merc. in _____ Inch

Volume _____ Cu. Ft.

Rock pressure _____ lbs. _____ hrs.

Oil _____ bbls., 1st 24 hrs.

Fresh water _____ feet _____ feet

Salt water _____ feet _____ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer
13			
10			Size of
8 1/4			
6 3/4			Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED 7" SIZE 5526 No. FT. 6/2 Date _____

NAME OF SERVICE COMPANY HALLIBURTON

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names RAY RES. RIG 6 CLIFF HAMES (TOOL PUSHER)

Remarks: RAN 5526' OF 7" CEMENTED WITH 280 SKS

6/2/83
DATE

Graig Duckworth 505
DISTRICT WELL INSPECTOR

02/16/2024

Form 26
2/16/82

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

INSPECTOR'S PLUGGING REPORT

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner Location Amount Packer Location

PLUGS USED AND DEPTH PLACED			BRIDGES	CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks: _____

_____ I hereby certify I visited the above well on this date.
DATE

02/16/2024
DISTRICT WELL INSPECTOR

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
FINAL INSPECTION REQUEST
INSPECTOR'S COMPLIANCE REPORT

RECEIVED
 APR 30 1984
 OIL & GAS DIVISION
 DEPT. OF MINES

Permit No. 039-3950 County Kanawha
 Company Columbia Gas Transmission District Cabin Creek
 Inspector JERRY HOLCOMB Farm Amherst Coal Company
 Date December 1, 1983 Well No. 20581 Issued 5-2-83

RULE	DESCRIPTION	IN COMPLIANCE	
		Yes	No
23.06	Notification prior to starting work	_____	_____
25.04	Prepared before drilling to prevent waste	_____	_____
25.03	High-pressure drilling	_____	_____
16.01	Required permits at wellsite	_____	_____
15.03	Adequate fresh water casing	_____	_____
15.02	Adequate coal casing	_____	_____
15.01	Adequate production casing	_____	_____
15.04	Adequate cement strength.	_____	_____
23.02	Maintained access roads	_____	_____
25.01	Necessary equipment to prevent waste	_____	_____
23.03	Reclaimed drilling site	_____	_____
23.04	Reclaimed drilling pits	_____	_____
23.05	No surface or underground pollution	_____	_____
7.05	Identification markings	_____	_____

COMMENTS: Release

I have inspected the above well and have found it to be in compliance with the rules and regulations of the Office of Oil and Gas Department of Mines of the State of West Virginia, and the well can be released from the permitted work.

SIGNED: Rodney H. Nelson

DATE: 4/24/84

02/16/2024



State of West Virginia
 Department of Mines
 Oil and Gas Division
 Charleston 25305

WALTER N. MILLER
 DIRECTOR

THEODORE M. STREIT
 ADMINISTRATOR

May 9, 1984

Columbia Gas Transmission Corp.
 P. O. Box 1273
 Charleston, W. Va. 25325

In Re: PERMIT NO: 47-039-3950
 FARM: Amherst Industries, Inc.
 WELL NO: 20581
 DISTRICT: Cabin Creek
 COUNTY: Kanawha
 ISSUED: May 2, 1983

Gentlemen:

The FINAL INSPECTION REPORT for the above captioned well has been received in this office. Only the column checked below applies:

 The well designated by the above permit number has been released under your Blanket Bond.

 Please return the enclosed cancelled single bond which covered the well designated by the above permit number to the surety company who executed said bond in your behalf, in order that they may give you credit on their records.

XXXX Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above captioned well will remain under bond coverage for life of the well.

Very truly yours,

Theodore M. Streit, Administrator
 Office of Oil & Gas - Dept. Mines

TMS/ rl

02/16/2024



STATE OF WEST VIRGINIA
 OIL AND GAS CONSERVATION COMMISSION
 CHARLESTON 25305

BEFORE THE OIL AND GAS CONSERVATION COMMISSION
 OF THE STATE OF WEST VIRGINIA

IN THE MATTER OF THE APPLICATION)	
OF COLUMBIA GAS TRANSMISSION)	
CORPORATION FOR AN ORDER FROM)	CAUSE NO. 28
THE COMMISSION PERMITTING AN EX-)	
CEPTION TO SPECIAL FIELD RULES)	
ESTABLISHED IN CAUSE NO. 28,)	ORDER NO. 4
ORDER NO. 1, INDIAN CREEK FIELD,)	
KANAWHA COUNTY, WEST VIRGINIA,)	
FOR LOCATION OF A WELL IN DRILLING))	
UNIT 155.)	

REPORT OF THE COMMISSION

This cause came before the Commission on September 9, 1981, at 10:00 a.m., Capitol Conference Center Room E, Capitol Complex, Charleston, West Virginia, after giving notice of hearing as required by law whereby Columbia Gas Transmission Corporation seeks an exception location for a well to be located thirteen hundred (1300) feet from the eastern boundary and the permitted fifteen hundred (1500) feet from the north boundary of Unit 155 of the Indian Creek Field described in Cause No. 28, Order No. 1, Kanawha County, West Virginia.

FINDINGS OF FACT

1. Applicant is an operator within the meaning of paragraph (5), subsection (a) of Chapter 22-4A-2.
2. The application was submitted within the provisions of Rule 3.03, Rules and Regulations of the West Virginia Oil and Gas Conservation Commission.
3. That from the evidence and testimony introduced in the hearing, it appears and the Commission hereby finds:
 - (a) Applicant holds a lease on five hundred and eighty-three (583) acres (91.1%) of Unit 155.
 - (b) Cabot Corporation has agreed in principle to "farm out" to Columbia its leases on fifty-seven (57) acres (9.9%) of Unit 155.

RECEIVED
 02/16/2024

APR 4 - 1983

OIL AND GAS DIVISION
 WV DEPARTMENT OF MINES

- (c) Applicant holds 100% of the leases on surrounding Units 139, 140, 156, and 172.
- (d) The operators of partial interest in other offset leases were notified of the hearing by certified mail.
- (e) The exception location is greater than the three thousand (3,000) feet minimum distance found in Cause No. 28, Order No. 1, from offset wells.
- (f) Applicant's witness stated the cost of rebuilding a shallow well location in Unit 155 would be more than double the cost of the exception location.
- (g) The exception location will not interfere with or alter development of the Indian Creek Field as described in Cause No. 28, Order No. 1.
- (h) Surface conditions encountered make the selected location the most economical.
- (i) Applicant's witness stated the exception location would facilitate the effective drainage of Unit 155.

CONCLUSION OF LAW

1. That due notice of the time, place and purpose of the hearing has been given in all respects as required by law.
2. That pursuant to Chapter 22, Article 4A, Code of West Virginia of 1931, as amended, the Commission has jurisdiction over the subject matter embraced in said notice, and the persons interested therein, and jurisdiction to promulgate the hereinafter prescribed Order.

ORDER

The Commission hereby Orders the application for exception is granted and the applicant, Columbia Gas Transmission Corporation, will present the Commission with a voluntary unitization agreement or seek an involuntary unitization order before the drilling of the exception location.

The Commission further incorporates the Report of the Commission and the Findings of Fact and Conclusion of Law dated September 9, 1981, as if the same were fully set forth and includes hereto the Report of the Commission and Findings of Fact and Conclusion of Law therein as part of this Order.

Entered at Charleston, West Virginia, this 24th day of September, 1981.

IN THE NAME OF THE STATE OF WEST VIRGINIA:

OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF WEST VIRGINIA

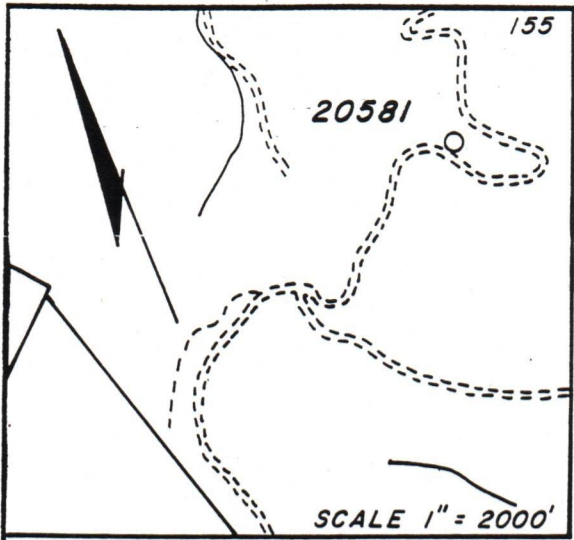
By: Thomas E. Huzzey
Thomas E. Huzzey, Commissioner

Larry Bordette

02/16/2024

68

7,200'



LATITUDE 38° 17' 30"

"X" ON SET STONE ON HILLSIDE, POPLAR & BEECH POINTERS

STAKE, LOCUST SOURWOOD & POPLAR POINTERS, WEST SIDE OF POWER LINE R/W

N 61° 15' E
12,690.00'

LONGITUDE 81° 27' 30"

S 79° 00' W
4,833.00'

N 29° 08' W
2,555.37'

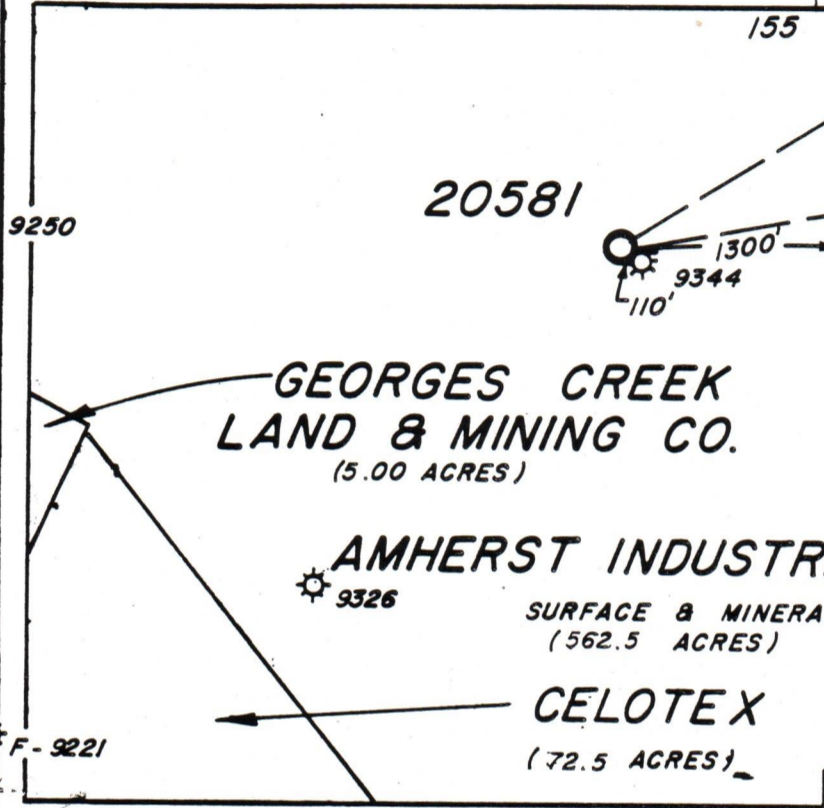
ANGLE IRON GUM & HICKORY STUMP POINTERS

N 77° 45' W
6,131.00'

N 46° 15' E
8,365.00'

FARM MAP

1 1/4" BOLT & NUT, 2 BEECH POINTERS, APPROXIMATELY 300' NORTH OF BRANCH ON STEEP BANK



REVISED 3-30-83

FILE NO. 68-55
 DRAWING NO. 20581
 SCALE 1" = 1320'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION U.S. GOVT. TRI. STA.
 ELEV. 1625'

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) Lloyd C. Hart
 R.P.E. _____ L.L.S. 99

PLACE SEAL HERE

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

FORM IV-6
 (8-78) LAT: 38° 17' 28"
 LONG: 81° 29' 01"



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

DATE 7-1, 19 80
 OPERATOR'S WELL NO. 20581
 API WELL NO. 47-039-3950
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 1431.20' WATER SHED LEFT FORK WITCHER CREEK
 DISTRICT CABIN CREEK COUNTY KANAWHA
 QUADRANGLE QUICK

SURFACE OWNER SAME ACREAGE 575
 OIL & GAS ROYALTY OWNER AMHERST INDUSTRIES, INC. LEASE ACREAGE 575
 LEASE NO. 1021

02/16/2024

PROPOSED WORK: DRILL X 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 TUSCARORA ESTIMATED DEPTH 6730'
 WELL OPERATOR COL. GAS TRANS. CORP. DESIGNATED AGENT J.L. WEEKLEY
 ADDRESS P.O. BOX 1273 ADDRESS SAME
CHARLESTON W. VA. 25325