



BENCH MARK
 U.S.G.S. - U.E. X ON NW SIDE AND N.E. END
 OF HEADWALL OF BRIDGE OVER WOLF
 RUN ON SALT LICK RUN.
 ELEV. 1686.04'

DEGREE OF ACCURACY
 ONE PART IN 200.

- Fracture
- Before 6/5/29
- New Location
- Drill Deeper
- Redrill
- Abandonment

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 Paragraph 5 of the Rules and Regulations of the Oil and Gas Section of the Mining Laws of West Virginia.

The accuracy of this survey is within the limits and as prescribed in Paragraph 5 by the Oil and Gas Division of the Department of Mines Regulations.

Company ATLANTIC SEABOARD CORP.
 Address CHARLESTON W. VA.
 Farm MAY M. WOLFE
 Tract _____ Acres 184 Lease No. AS-501
 Well (Farm) No. _____ Serial No. 7527
 Elevation (Spirit Level) 1999.54'
 Quadrangle KINGWOOD EC
 County PRESTON District UNION
 Engineer Adrian E. Friedman
 Engineer's Registration No. 2330
 File No. 172-129 Drawing No. _____
 Date FEB. 17, 1971 Scale 1" = 400'

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

WELL LOCATION MAP
 FILE NO. Pres-155

+ 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 square on border line of original tracing.



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JAN 26 1972

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

Rotary
Spudder
Cable Tools
Storage

Quadrangle Kingwood

Permit No. Pres. 155

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company Columbia Gas Transmission Corporation
Address P. O. Box 1067, Elkins, West Virginia
Farm Mary M. Wolfe Acres.....
Location (waters) Wolfe Run
Well No. X-76-S 7527 Elev. 1999.54
District Union County Preston
The surface of tract is owned in fee by Mary M. Wolfe
Address.....
Mineral rights are owned by.....
Address.....

Drilling commenced March 25, 1971
Drilling completed April 19, 1971
Date Shot..... From..... To.....
With.....

Open Flow /10ths Water in..... Inch
/10ths Merc. in..... Inch
Volume..... Cu. Ft.
Rock Pressure..... lbs..... hrs.
Oil..... bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS).....
(See Reverse Side)
WELL FRACTURED (DETAILS).....

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer.....
16			
13 3/8	30'	30'	
10			Size of.....
8 1/4 9 5/8	1792'	1792'	Depth set.....
6 1/4 7	5249'	5249'	
5 3/16			
4 1/2			
3			Perf. top (See reverse side)
2 1/2 2 3/8	5436'	5436'	Perf. bottom.....
Liners Used			Perf. top.....
			Perf. bottom.....

Attach copy of cementing record.
CASING CEMENTED..... SIZE..... No. Ft..... Date.....
Amount of cement used (bags) (See reverse side)
Name of Service Co. Dowell
COAL WAS ENCOUNTERED AT None FEET..... INCHES
..... FEET..... INCHES..... FEET..... INCHES
..... FEET..... INCHES..... FEET..... INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 2.316 Mcf
ROCK PRESSURE AFTER TREATMENT 1600 # HOURS 2
Fresh Water..... Feet..... Salt Water..... Feet.....
Producing Sand Huntersville + Oriskany Depth.....

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Shale and Siltstone			0	4503	Measured	from KB	
✓ Tully Lime			4503	4530			
Shale			4530	5086			
✓ Onondaga Lime			5086	5104	5086	5260	5395
✓ Chert - Huntersville			5104	5249			
✓ Shale - NEED MORE			5249	5260			
✓ Oriskany Sand			5260	5395			
✓ Helderberg Lime			5395				
Total Depth				5435			

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks	
NOTE:								
13 3/8"	48#/ft.,	H-40,	casing cemented to surface with 25 sacks of neat cement plus 2% CaCl.					March 25, 1971. 30' ground level. 4 1/2' Kelly bushing.
9 5/8"	36#/ft.,	K-55,	casing cemented to surface with 522 sacks Kolite plus 2% CaCl.					April 3, 1971. Casing set at 1792' G.L., 1809' KB, 1789' threads off, 1801' threads on.
7"	23#/ft.,	K-55,	Seal-lok casing cemented in 1,000' with 120 Cu. Ft. regular neat cement with 1890 lbs. of Kolite added. 375 gals. Cement, April 15, 1971. Gel drilling mud to surface. Casing set 7' in Oriskany sand. Casing set at 5249', G.L. 5268' KB, 5287' threads off, 5331' threads on.					
2 3/8"	4.6#/ft.,	J-55,	Seal-lok tubing run to T. D. (1) Baker Model "J" ported seating nipple, (1) Baker BFC Model "L" sliding sleeve. Sliding sleeve is 422' off bottom. April 19, 1971. 5436' G.L., 5453' KB, 5431' threads off, 5471' threads on.					
Perforations:								
Chert (5114' - 5222') with 103, 3 1/2" glass jets shots. <u>Oriskany open hole.</u> Basin Surveys Inc., April 18, 1971.								
Logging:								
Gamma Ray - PDC (4400' - 5434') April 18, 1971								
Stimulation:								
Halliburton stimulated both the Oriskany and Chert pays at separate times.								
<u>Oriskany:</u> (1) drum Bariod B-11 525 gal. 28% HCL acid, 31 gal. Pen-5, break down 2200#, average press. 2750#, 7 BPM., total volume 800 bbls. of fresh water. 4-17-71								
Set retrievable bridge plug at 5245'								
<u>Chert:</u> (1) drum Bariod B-11, 500 gal. 28% HCL. acid, 31 gal. Pen-5, break down 1900#, average press. 2300#., 9 BPM, total volume 800 bbls. of fresh water. 4-18-71								

Date January 20, 19 72

APPROVED Columbia Gas Transmission Corporation Owner

By [Signature]
Production and Storage Superintendent