



- 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 TERRA ALTA LAND CO. ET. AL.
 Tract _____ Acres 1555 Lease No. 15-5720
 Well (Farm) No. 10 Serial No. 7530
 Elevation (Spirit Level) 2181.12'
 Quadrangle KINGWOOD
 County PRESTON District UNION
 Engineer Adrian E. Spadman
 Engineer's Registration No. 2330
 File No. 170-127 Drawing No. _____
 Date JUNE 9, '71 Scale 1" = 400'

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

WELL LOCATION MAP
 FILE NO. PRES-160

+ 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.

9-D 6-6 Terra Alta (280)

Deep Well (Oriskany) JUL 12 1971



RECEIVED
JAN 20 1972

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

Rotary
Spudder
Cable Tools
Storage

Quadrangle Kingwood

Permit No. Pres. - 160

WELL RECORD

Oil or Gas Well. Gas
(KIND)

Company Columbia Gas Transmission Corporation
Address P. O. Box 1067, Elkins, West Virginia
Farm Terra Alta Land Company Acres. 1.555
Location (waters) Big Run
Well No. 7530 Elev. 2181.12'
District Union County Preston
The surface of tract is owned in fee by
Address
Mineral rights are owned by
Address
Drilling commenced August 14, 1971
Drilling completed August 27, 1971
Date Shot From To
With

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size	Ground	Level	Kind of Packer
16			
1 1/8 13 3/8"	29'	29'	
10			Size of
8 1/4 9 5/8"	2351'	2351'	
8 7/8 7"	5269'	5269'	Depth set
5 3/16			
4 1/2			
3			Perf. top. (See
2 3/8"	5573'	5573'	Perf. bottom. Reverse
Liners Used			Perf. top. Side
			Perf. bottom.

Open Flow 10 /10ths Water in 2 Inch
/10ths Merc. in. Inch
Volume 133 M Cu. Ft.
Rock Pressure lbs. hrs.
Oil bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS) (See Reverse Side)
WELL FRACTURED (DETAILS)

Attach copy of cementing record.
CASING CEMENTED SIZE No. Ft. Da
Amount of cement used (bags) See Reverse Side
Name of Service Co. Halliburton and Dowell
COAL WAS ENCOUNTERED AT None FEET INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 4,795 Mcf 4,795,000
ROCK PRESSURE AFTER TREATMENT 2015# HOURS 2
Fresh Water Feet Salt Water Feet
Producing Sand Chert and Oriskany Depth

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Tully			4800	4830	Measured from KB		
Shale			4830	5250			
Onondaga			5250	5273			
Chert - Huntersville			5273	5405	Gas		
Shale - NEEDMORE			5405	5418			
Oriskany			5418	5446	Gas		
Helderberg			5446	5546			
Total Depth				5586			
				<u>485</u>			
				5250	5418	5546	
				2181	2181	2181	
				3069	3237	3365	

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 28 sacks of neat cement plus 2% CaCl.	August 14, 1971.	29' ground level, 46' kelly bushing.		
9 5/8"	36#/ft.,	K-55, casing	cemented to surface with 680 sacks Gilsonite plus 2% CaCl.	August 20, 1971.	Casing set at 2351' ground level. 2368' kelly bushing, 2349 threads off, and 2365' threads on.		
7"	23#/ft.,	K-55, Seal-lok casing	cemented in 1000' with 220 cu.ft. of Dowells RFC cement plus Kolite,	August 24, 1971.	Gel Drilling mud to surface with 1 drum Baroids B-33. Casing set 4' in Chert. Casing set at 5269' ground level, 5283' kelly bushing, 5310' threads off, and 5354' 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 426' off bottom.	August 27, 1971.	5573' ground level, 5585' kelly bushing, 5568' threads off and 5611' threads on.		
Perforations:							
			Chert and Oriskany	open hole.			
Logging:							
			Gamma Ray, Collar Log and temperature.	(4700' - 5587'), August 27, 1971			
Stimulation:							
			<u>September 7, 1971</u>				
			Pumped in 25 barrels fresh water plus 5 gallons soap and unloaded same. Open flow after 1 hr., "16/10" water in 2" or 169 M.				
			<u>September 9, 1971</u>				
			Halliburton treated well using 5000 gals. 20% HCL acid followed with 300 barrels fresh water. 35 BPM, 3000# average press., plus N ₂				
			Final open flow. Rock pressure 2015#, 4.795 M dry.				

Date January 20, 1972

APPROVED Columbia Gas Transmission Corporation Owner

By *H. McFarland*
 (Title)
 Production and Storage Superintendent