

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.

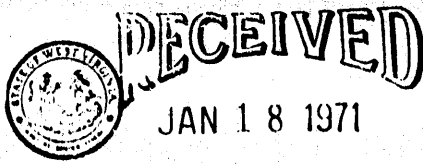
Company ATLANTIC SEABOARD CORP.
 Address CHARLESTON, W.VA.
 Farm CLINTON S. KNIGHT
 Tract _____ Acres 450.75 Lease No. AS-1096
 Well (Farm) No. _____ Serial No. 7526
 Elevation (Spirit Level) 2226.33'
 Quadrangle KINGWOOD
 County PRESTON District UNION
 Engineer William E. Anderson
 Engineer's Registration No. 2330
 File No. 170-127 Drawing No. _____
 Date 2-6-70 Scale 1" = 400'

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

WELL LOCATION MAP
 FILE NO. Pres-146

+ 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.



Map Square 170-127

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

- Rotary
- Spudder
- Cable Tools
- Storage

Storage

Quadrangle Kingwood

Permit No. Pres. - 146

WELL RECORD

Oil or Gas Well (KIND)

Company <u>Atlantic Seaboard Corporation</u>	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>P. O. Box 1273, Charleston, W. Va. 25325</u>	Size			Kind of Packer.....
Farm <u>Clinton S. Knight</u> Acres <u>450 3/4</u>	<u>16</u>			Size of.....
Location (waters) <u>Madison Run</u>	<u>13 3/8"</u>	<u>32'</u>	<u>32'</u>	Depth set.....
Well No. <u>X-76-S-7526</u> Elev. <u>2226.33</u>	<u>10</u>	<u>2016'</u>	<u>2016'</u>	Perf. top. (See.....
District <u>Union</u> County <u>Preston</u>	<u>8 5/8"</u>	<u>5955'</u>	<u>5955'</u>	Perf. bottom. Reverse.....
The surface of tract is owned in fee by <u>Clinton S. Knight</u>	<u>6 7/8"</u>			Perf. top. Side.....
Address <u>Amboy, W. Va.</u>	<u>5 3/16</u>			Perf. bottom.....
Mineral rights are owned by <u>Clare E. Knight</u>	<u>4 1/2</u>			
Address <u>Amboy, W. Va.</u>	<u>3</u>			
Drilling commenced <u>July 31, 1970</u>	<u>2 3/8"</u>	<u>6113'</u>	<u>6113'</u>	
Drilling completed <u>August 18, 1970</u>				
Date Shot From..... To.....	Liners Used			
With.....				
Open Flow /10ths Water in..... Inch	Attach copy of cementing record.			
/10ths Merc. in..... Inch	CASING CEMENTED..... SIZE..... No. Ft..... Date			
Volume..... Cu. Ft.	Amount of cement used (bags)..... (See Reverse Side)			
Rock Pressure..... lbs..... hrs.	Name of Service Co. <u>Halliburton</u>			
Oil..... bbls., 1st 24 hrs.	COAL WAS ENCOUNTERED AT <u>None</u> FEET..... INCHES			
WELL ACIDIZED (DETAILS) (See Reverse Side)	FEET..... INCHES..... FEET..... INCHES			
WELL FRACTURED (DETAILS)	FEET..... INCHES..... FEET..... INCHES			

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 21.1 M

ROCK PRESSURE AFTER TREATMENT 1560 HOURS 1 hour

Fresh Water..... Feet..... Salt Water..... Feet.....

Producing Sand..... Depth.....

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Shale and Siltstone			0	5361	Measured from KB		
✓ Tully Lime			5361	5397	5771	5963	6089
Shale			5397	5771	2241	2241	2241
✓ Onondaga Lime			5771	5819	3530	3722	3848
✓ Chert			5819	5951	Gas		
✓ Shale - <i>None more</i>			5951	5963			
✓ Oriskany Sand			5963	6089	Gas		
✓ Helderberg Lime			6089				
Total Depth			<u>485</u>	6137			

Formation	Color	Hard or Soft	Top $\frac{5}{8}$	Bottom	Oil, Gas or Water	Depth Found	Remarks
NOTE:							
13 3/8"	48#/ft., H-40, casing cemented to surface with 26 sacks of neat cement plus 2% CaCl. July 31, 1970.						
9 5/8"	36#/ft., K-55, casing cemented to surface with 605 cubic feet regular neat cement mixed with 7563 lbs. of Gilsonite plus 2% CaCl. August 5, 1970.						
7"	23#/ft., K-55, Seal-lok casing cemented in 1000' with 125 cubic feet regular neat cement with 1563 lbs. Gilsonite added. 40 sacks of Halliburton latex cement with 500 lbs. Gilsonite added. August 14, 1970. Gel drilling mud to surface. Casing set about 6 feet in Oriskany sand.						
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 437' off bottom. August 18, 1970.						
Perforations:							
Chert (5832' - 5932') with 200, 3 1/2" glass jets shots. Oriskany open hole. Basin Surveys Inc. August 16, 1970.							
Stimulation:							
Halliburton stimulated both the Oriskany and Chert pays using (1) one drum Baroid B-11, 1500 gallons 28% HCL acid and 760 barrels of fresh water. Average pressure 1100#, average pump rate 19 BPM. Well on Vac. after treatment. October 5, 1970.							
Logging:							
Gamma Ray - PDC (6146' - 5250') August 16, 1970. Cement Bond (5970' - 4700')							

Date December 17, 1970

APPROVED Atlantic Seacoast Corp. Owner

By [Signature]

(Title)