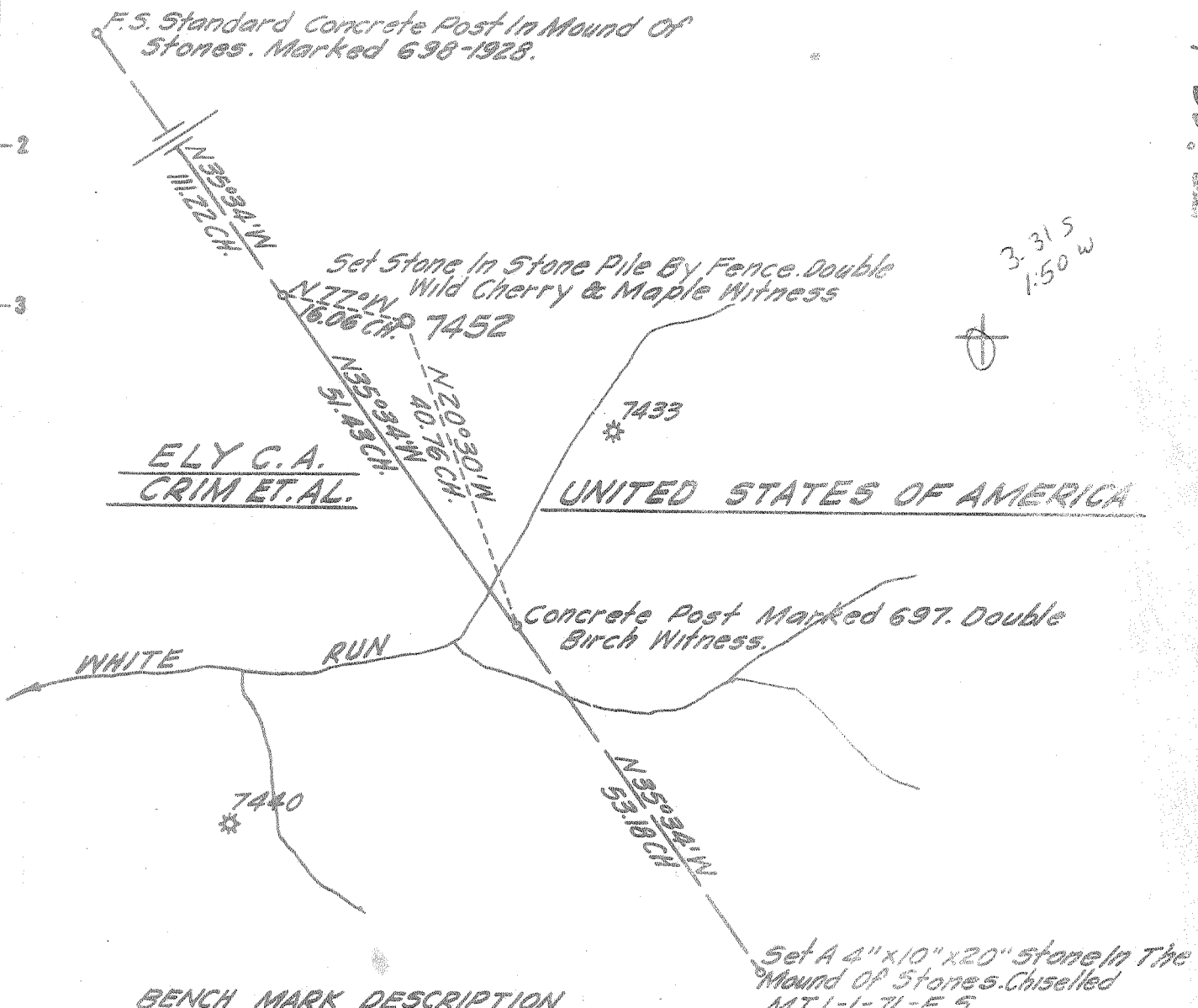


Latitude 38° 50'

Longitude 79° 40'



3.31 S
1.50 W

BENCH MARK DESCRIPTION

Nail In Base Of Large Cherry Near Ground And Along Atlantic Seaboard Corp. Well Road No 7435 & 50' East Of Intersection Of Well Road No 7433.

DEGREE OF ACCURACY

One Part In Two Hundred

- Fracture Before 6/5/27
- 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.

PROVEN ELEVATION 2953.99'

Company ATLANTIC SEABOARD CORP.

Address CHARLESTON, W. VA.

Farm UNITED STATES OF AMERICA

Tract 71 Acres 2499.20 BLM-A-01719 Lease No. 15-700-

Well (Farm) No. _____ Serial No. 7452

Elevation (Spirit Level) 3231.22'

Quadrangle HORTON-SW

County RANDOLPH District DRY FORK

Engineer Sybert Russell

Engineer's Registration No. 2529

File No. 166-89 Drawing No. _____

Date MARCH 24, 1966 Scale 1" = 1920'

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

WELL LOCATION MAP
FILE NO. RAN-126

+ 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.

9-0 26'

DEEP WELL

Oriskany Storage
T.D. = Helderberg



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage

Quadrangle Horton
Permit No. RAN-126

WELL RECORD

Oil or Gas Well Gas Storage
(KIND)

Company Atlantic Seaboard Corporation
Address P.O. Box 1273 Charleston, W. Va. 25325
Farm U.S.A. Tr. 71 Acres 48,212.33
Location (waters) White Run
Well No. X-77-7452 Elev. 3231.22'
District Dry Fork County Randolph
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by U.S. Geological Survey
3218 General Services Bldg. Washington, D.C.
Drilling commenced 7-31-66
Drilling completed 8-9-66
Date Shot _____ From _____ To _____
With _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
16			Kind of Packer
13 3/8		40' Cemented	
10			Size of
9-5/8"		1427' Cemented	
7"		5258' Cemented	Depth set
5 3/16			
4 1/2			
3			Perf. top
2 3/8		5454'	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume 3,886,000 - Oriskany Cu. Ft.
Rock Pressure 1860 lbs. = _____ hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS) _____
WELL FRACTURED (DETAILS) _____

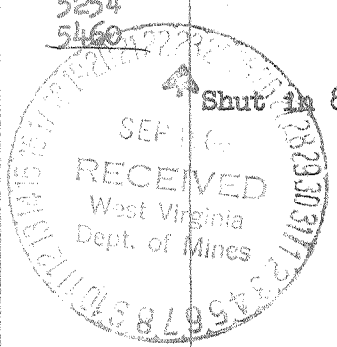
Attach copy of cementing record.
CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
Amount of cement used (bags) _____
Name of Service Co. _____
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.) _____
ROCK PRESSURE AFTER TREATMENT _____ HOURS _____
Fresh Water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand _____ Depth _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Surface			0	35			
Sand & Shale			35	105			
Sand			105	295			
Sand & Shale			295	755			
Sand			755	902			
Sand & Shale			902	1723			Test before acidized 45/10 W 2" 281 M
Sand			1723	1937			Acidized 8-25-66 with 12,000 gallons
Sand & Shale			1937	2350			28% Hcl
Sand			2350	2573			Test after acidized 2" spring gauge
Sand & Shale			2573	3541			thru 4" 3,886 M - Wet and salty
Shale			3541	4615			
Tully			4615	4645			
Marcellus			4645	5065			
Onondaga			5065	5110			
Chert			5110	5210			
Shale			5210	5254			
Oriskany Sand			5254	5460			
Helderberg			5460				
Total Depth			5465'				

5254
3231
201-5-27-66

5254
3231
2023



Shut in 8-27-66