



BENCH MARK DESCRIPTION  
 Square Cut On North East Corner Of Bottom Step  
 OF Asbury Church & About 425' East OF Forks OF  
 Road. Elev. 2078.90'

DEGREE OF ACCURACY  
 One Part In 200

Fracture	
Before 6/5/27	<input type="checkbox"/>
New Location	<input checked="" type="checkbox"/>
Drill Deeper	<input type="checkbox"/>
Redrill	<input type="checkbox"/>
Abandonment	<input type="checkbox"/>

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 2078.90'

Company UNITED FUEL GAS CO  
 Address CHARLESTON W.V.A.  
 Farm W.S. PARK, ET AL.  
 Tract \_\_\_\_\_ Acres 283 Lease No. PT. 49991  
 Well (Farm) No. \_\_\_\_\_ Serial No. 9410  
 Elevation (Spirit Level) 2259.69'  
 Quadrangle MOOREFIELD - EC  
 County HARDY District MOOREFIELD  
 Engineer Seibert R. Strell  
 Engineer's Registration No. 2529  
 File No. 214-111 Drawing No. \_\_\_\_\_  
 Date JULY 6, 1966 Scale 1" = 800'

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

**WELL LOCATION MAP**  
 FILE NO. Hardy-20

+ 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.

5-0 0. A well (mining)



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

Battery   
Spudder   
Cable Tools   
Storage

Quadrangle Moorefield  
Permit No. Hardy-20

WELL RECORD

Oil or Gas Well Dry Hole  
(KIND)

Company United Fuel Gas Company  
Address P.O. Box 1273 Charleston, W.Va. 25325  
Farm W. S. Parks, et al Acres 800 Merger  
Location (waters) North River  
Well No. 9410 Elev. 2259.69'  
District Moorefield County Hardy  
The surface of tract is owned in fee by \_\_\_\_\_  
Address \_\_\_\_\_  
Mineral rights are owned by Winfred S. Park & Lucy E. Park et al  
Address Rockoak, West Va.  
Drilling commenced 7-30-66  
Drilling completed 8-22-66  
Date Shot \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
With \_\_\_\_\_  
Open Flow \_\_\_\_\_ /10ths Water in \_\_\_\_\_ Inch  
\_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch  
Volume Dry Hole - Plugged & Abandoned Cu. Ft. 8-25-66  
Rock Pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
WELL ACIDIZED (DETAILS) \_\_\_\_\_  
WELL FRACTURED (DETAILS) \_\_\_\_\_

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size 16			Kind of Packer
13 3/8 84'	Cemented with 78 sack neat cement with 2% calcium chloride		
10			
9 5/8" 234'	Cemented with 500 cu. ft. "Litepoz" 300 cu. ft. neat cement with 2% calcium chloride		
6 1/2"			
4 1/2" 7326'	Cemented with 410 cu. ft. of neat cement		Perf. top _____ Perf. bottom _____
3			Perf. top _____ Perf. bottom _____
2			
Liners Used			

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
Catskill formation			0	700			Hole damp at 170'
Sand and Shale			700	5000			
Shale			5000	6320			Hole wet at 350'
Marcellus Shale			6320	7210			
Needmore Shale			7210	7319			Show gas 7406'
Criskany Sand			7319	7526			
Helderberg Limestone			7526	7840			Hole damp 7406'
Total Depth			7840'				Show gas 7428'
							Hole plugged back to 7559'
							Acidized 8-23-66 with 20,000 gallons 28% Hcl acid, 176,130 std. cu.ft. nitrogen No results after acidized
							Bridge plug set at 7559-7561'.
							LOGS RUN: Gamma Ray Differential Temperature
							DRY HOLE - PLUGGED & ABANDONED 8-25-



NOTE: Bridge plug set at 7559-7561', Gearhart Owen cast iron bridge plug. 1 1/2 sacks of Calseal and Dump bailer on top of plug. Bailer 3 1/2" O.D. 28 feet long with 1-7/16" O.D. cable head 10" long and 300 feet wire line on top.