



I, the undersigned, hereby certify that this map is correct and shows all the information to the best of my knowledge and belief, required by the Oil and Gas Section of the Mining Laws of West Virginia.

G. A. Cunningham  
Engineer

Acknowledged before me, a Notary Public of Kanawha County, W. Va.

this 21 day of September 1934.

My Commission expires May 2, 1940 J. J. Martin



ROA-90-A

G.S. Randolph  
Well No. 319  
Harper District  
Roane County, W.Va.  
Sept. 21, 1934.

**UNITED FUEL GAS CO.**  
MAP SHOWING  
WELL TO BE ABANDONED  
SCALE - 1 INCH = 660 FEET



90A

Harper District, Roane County, W. Va.  
 By United Fuel Gas Co., Charleston, W. Va.  
 On 61 acres, mineral rights owned by D. M. Westfall et al.,  
 Traders Bank & Trust Co., Spencer, W. Va.  
 Drilled previous to June 1, 1929.  
 Elevation, 947' B.  
 10" casing, 670'; 8½", 667'.  
 Anchor packer, 3 x 8½".  
 No coal was encountered.  
 Abandonment reported to Dept. of Mines Sept. 21, 1934.  
 Well was not shot.  
 No record of water.  
 Producing hole.

(right four of  
 left four of  
 Mill Creek)

	Top.	Bottom.	Thickness.
Red rock cave	740	- 780	40
1st Cow Run Sand	925	- 950	25
2nd Cow Run Sand	1025	- 1065	40
Salt Sand (Upper)	1380	- 1410	30
Salt Sand (Middle)	1465	- 1500	35
Salt Sand (Lower)	1634	- 1657	23
Total depth		1657	