

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 8 day of March 1934.

My Commission expires May 2, 1940

*J. J. Swartz*



W. G. Lucas  
 Well No. 1493  
 Chapmansville District  
 Logan County, W. Va.  
 Mar. 7, 1934

UNITED FUEL GAS CO.  
 MAP SHOWING  
 WELL TO BE ABANDONED  
 SCALE :- 1 INCH = 100 FEET

SE  
 MIDKIFF

? 5.50 S 63° 05'  
 2.32 W 82° 00'

16-A

LOGAN 16-A

Chapmanville District, Logan County, W. Va.

United Fuel Gas Co., Charleston, W. Va.

Well was drilled by Coal State Gas Co. and purchased by United Fuel Gas Co. in 1925.

Well completed August 18, 1911.

Elevation, 629'.

10" and 6-5/8" casing used; no record available of amount used.

Coal was encountered at 13-15, 350-352, and 590-596'.

Abandonment reported to Dept. of Mines March 8, 1934.

Production, 1,000,000 cu. ft. gas in Big Lime.

Record incomplete. No record of shot. No record of water.

	Top.	Bottom.
Surface	0	13
Coal	13	15
Mud and gravel	15	58
Sand	58	65
Slate	65	287
Sand	287	315
Slate	315	321
Sand	321	350
Coal, Lower Eagle	350	352
Slate	352	370
Sand	370	455
Slate	455	463
Lime	463	475
Sand	475	500
Lime	500	510
Sand	510	570
Slate	570	590
Coal, Sewell (?)	590	596
Slate	596	605
Lime	605	670
Black lime	670	685
Gray sand	685	820
Water sand	820	870
Slate	870	873
Sand	873	900
Slate	900	910
Lime	910	930
Slate	930	950
Red rock	950	965
Lime	965	980
Red rock	980	985
Slate	985	988
Lime	988	993
Slate	993	1010
Lime	1010	1020
Slate	1020	1035
Sandy lime	1035	1060
Slate	1060	1080
Little Lime	1080	1110
Slate	1110	1126
Big Lime (gas, 1201-1208')	1126	1301
Red rock, to bottom	1301	1308