

X-17-45
②

George W. Harless No. 1 Well.

Elk District, Kanawha County, W. Va.

By A. C. Radford et al., 918 Bigley Avenue, Charleston, W. Va.

Located 1.35 Mi. S. of 38° 35' and 1.97 Mi. W. of 81° 25'.

Clendenin Quadrangle - W C

Elevation 1062' L.

Permit Kan - 1214

Drilling commenced March 28, 1945; completed Aug. 11, 1945.

Gas Well; Volume 13,962,000 cu. ft. gas in Oriskany Sandstone at 5323' -
tapped at 5310'.

Open flow, 80/10ths M³ in 7" O. D.

Rock pressure, 1850 Lbs. in 2 hours.

Fresh water, 1075'; hole full.

Salt water, 1772'; hole full

10" casing, 1692; 8-1/4", 2183'; 6-5/8", 5243'; 2" tubing, 5330'; all left
in. Casing cemented, 7", 2500' 8/25/45

Section based on samples from 5297' to 5321'.

Examined by Russell R. Flowers, Mineralogist.

Huntersville Chert, 11, plus, Feet.

Top	Bottom	Thickness	
5297	5300	3	Siltstone to sandstone (very fine), light-gray to light brownish gray, cherty, calcareous, dolomitic, glauconitic
5300	5304	4	Chert, light-gray to light brownish gray, some medium-gray, very silty in part, dolomitic, glauconitic
5304	5308	4	Shale (very sandy) to sandstone (shaly), medium- to dark-gray, very silty, the sand grains are fine to very coarse grained (well rounded, probably from the erosion of the underlying Oriskany). very highly glauconitic, somewhat calcareous
5308	5313	5	<u>Oriskany Sandstone, 13, plus, Feet.</u> Sandstone, very light to light-gray, fine- to medium-grained, some coarse to very coarse grains, mostly quartz with calcite cement, rounded to well-rounded

5313

5321

8

Sandstone, very light gray with white spots, some light-gray in the lower part, fine- to medium-grained, some coarse to very coarse grains, rounded to well rounded, most of the grains are clear and glassy, some are frosted, highly calcareous