

Clarence Jones No. 1 Well.

3-14-52
C

Union District, Preston County, W. Va.
By ~~Orville~~ Eberly and William E. Snee - now Cumberland and Allegheny Gas Co.
Located 1.02 Mile South of 39° 25' and 0.18 mile W. of 79° 35'.
Kingwood Quadrangle - C.
Elevation 1830.04' L.
Permit - Preston 24.
Drilling commenced July, 1951; completed Nov. 24, 1951.
Gas well - volume 2,500,000 cu. ft.
Ran casing at 4630'.
Gas 4682 - 4721'.

Section based on samples from 3924 to ⁴716'; examined by Russell R. Flowers.

Top	Bottom	Thickness	
3924	3939	15	Shale, medium dark to dark-gray, small amount is calcareous and dolomitic <u>Harrell Shale, 86 Feet.</u>
3939	4025	86	Shale, grayish-black to black, carbonaceous, calcareous in part, slightly pyritic (very finely disseminated) <u>Tully Limestone, 32 Feet.</u>
4025	4057	32	Limestone, olive-gray to medium dark gray, lithographic texture, argillaceous; a large amount of grayish-black to black shale (cavings?) <u>Hamilton and Marcellus Shales, 551 Feet.</u>
4057	4364	307	Shale, dark-gray to grayish-black, some grayish-black to black, small amount of dolomite
4364	4393	29	Shale, dark-gray at the top to dark-gray and grayish-black in the lower part; some olive-gray, shaly dolomite
4393	4475	82	Shale, grayish-black to black, carbonaceous; a large amount of the shale is black, highly carbonaceous with pyritic and highly calcareous streaks and lumps in the lower part
4475	4516	41	Shale (highly calcareous) to limestone (very shaly), medium dark to dark-gray; some grayish-black to black shale
4516	4552	36	Shale, grayish-black to black, carbonaceous, slightly pyritic; highly calcareous in part
4552	4600	48	Shale, black (highly carbonaceous), some grayish-black to black (carbonaceous), pyritic; a very small amount of vein calcite; trace of brownish-gray metabentonite at the bottom
4600	4608	8	Shale, grayish-black to black, carbonaceous, highly calcareous with some vein calcite, pyritic in part; trace of dark-gray to brownish-black pyritic metabentonite <u>Huntersville Chert, 108, plus, feet.</u>
4608	4619	11	Metabentonite, brownish-gray to dark yellowish brown; a large amount of grayish-black to black very highly calcareous shale with some vein calcite, pyritic in part

4619	4630	11	Shale, grayish-black to black, carbonaceous, very highly calcareous with limestone spots, slightly pyritic; some dark yellowish brown metabentonite in the upper part; trace of calcite
4630	4636	6	No sample
46 2 ³ / ₆	4653	17	Shale (highly calcareous) with some shaly limestone, dark-gray to grayish-black, silicified at the bottom
4653	4656	3	Chert, medium- to dark-gray, some ^{grayish} yellowish-black (argillaceous), calcareous and dolomitic, slightly spicular
4656	4667	11	Chert, mottled light- to medium-gray and dark-gray to grayish-black (highly argillaceous), highly calcareous and dolomitic in part
4667	4662	-5	Depth correction
4662	4672	10	Chert, mottled light to medium-gray and dark-gray to grayish-black (argillaceous), calcareous and dolomitic, spicular in part; the amount of dark chert decreases at the bottom
4672	4670	-2	Depth correction
4670	4676	6	Chert, light- to medium-gray, some dark-gray (argillaceous), spicular in part, somewhat calcareous and somewhat dolomitic, lighter in color and less argillaceous in the lower part
4676	4695	19	Chert, light gray, transparent and translucent, highly spicular with grayish-black/ shaly streaks and fracture fillings, slightly dolomitic; more dark shaly material in the lower part
4695	4701	6	Chert, mottled light-gray (transparent, spicular) and dark-gray (argillaceous); the major portion of this chert is light gray
4701	4703	2	Chert, medium-gray (translucent, spicular) with grayish-black shale streaks
4703	⁴ / ₇ 16	13	Chert, light- to medium-gray, some dark-gray (argillaceous), transparent (spicular) to opaque, silty, small amount is calcareous
4724			TOTAL DEPTH