

TYPICAL COAL TEST RESULTS

for West Virginia Bituminous Coals

The following information is provided by Commercial Testing and Engineering as a courtesy to the Appalachian Blacksmiths Association



TEST VALUES	Heat Value in Btu's	% Sulphur	% Ash	% Moisture	Free Swelling Index (Coke Button)
COAL VEIN					
Pittsburgh	12,300 to 13,000	.8 - 4.0	8 - 15	3 - 6	6 - 8
Pittsburgh (washed)	12,800 to 13,500	.8 - 4.0	5 - 9	5 - 7	7 - 9
Redstone	12,500 to 13,000	1 - 3	8 - 16	3 - 6	5 - 7
Redstone (washed)	12,700 to 13,200	1 - 3	7 - 12	5 - 7	5 - 7
Kittanning	12,800 to 13,500	.7 - 2.0	8 - 20	3 - 6	4 - 8
Kittanning (washed)	12,800 to 13,500	.7 - 2.0	5 - 10	5 - 7	5 - 9

The following information is provided by the Blacksmiths Guild of Central Maryland newsletter as a courtesy to the Appalachian Blacksmiths Assn.

TEST VALUES	Heat Value in Btu's	% Sulphur	% Ash	% Moisture	Volatiles
COAL VEIN					
Sewell	15,075	.46%	3.66%	?	27.29%
Pocahontas #3	14,542	.64%	7.44%	?	15.70%
Pocahontas #3	15,006	.74%	4.60%	1.82%	18.31%

Sewell and Pocahontas are metallurgical coals and have high Btu heat value and low Sulphur content. There are nine veins of Pocahontas coal, all of which are referred to by numerical order.

The following information is provided by Doug Johnson as a courtesy to the Appalachian Blacksmiths Assn.

TEST VALUES	Heat Value in Btu's	% Sulphur	% Ash	% Moisture	Free Swelling Index (Coke Button)
COAL VEIN					
Sewell (washed)	15,200	< 2.0%	< 0.8%		

The following information is provided by Beury Mountain Carbon as a courtesy to the Appalachian Blacksmiths Assn.

TEST VALUES	Heat Value in Btu's	% Sulphur	% Ash	% Moisture	Free Swelling Index (Coke Button)
COAL VEIN					
Sewell (raw)	14,870	0.67%	1.5%	2.55%	
Sewell (raw, dry)	15,529	0.68%	2.5%	0%	

The following information is provided by Glenn Conner as a courtesy to the Appalachian Blacksmiths Assn.

TEST VALUES	Heat Value in Btu's	% Sulphur	% Ash	% Volatiles	Carbon dmmf
COAL VEIN					
Sewell	14,871	.62%	4.22%	24.98%	88.82%
Sewell	14,956	.56%	4.08%	31.88%	88.64%
Pocahontas #3	13,953	.70%	10.86%	19.2%	91.96%
Pocahontas #3	14,542	.64%	7.44%	15.70%	92.42%

"Washed" means coal has gone through a preparation plant to separate coal from binder slate and other impurities. "Free Swelling Index" and "Coke Button" are measures of structural strength of coal when it cokes.