

Desorbed gas is the measured volume of gas emitted in a sealed container at approximately 70°F until measurements are below 0.05 cm³/gm/day for five consecutive days. As shown in Table 1, the amount of desorbed gas is greater in the Cahn well than in the Ealum well. The difference is believed due to less lost time (see Appendix 1 for measurements and Appendix 2 for calculations).

Table 1

AMOCO- EALUM GAS COM "B"-1

SAN JUAN CO., NEW MEXICO: FRUITLAND

ADSORBED GAS CONTENT

Gas Measured	CYLINDER "A" 2785.7-2787.9'		CYLINDER "B" 2783.5-2784.5'	
	USBM Method	Surface Time Only	USBM Method	Surface Time Only
Lost Gas (cm ³)	30,000	9,500	10,000	4,100
Desorbed Gas (cm ³)	22,177	22,177	13,510	13,510
Residual Gas (cm ³)	2,724	2,724	3,649	3,649
Total Gas (cm ³)	54,901	34,401	27,159	21,259
Total Sample Wt. (g)	2145.0	2145.0	3296.4	3296.4
Gas Content (cm ³ /g)	25.595	16.038	8.239	6.449
Gas Content (ft ³ /ton)	819.	513.	{ 264. 505.* }	{ 206. 395.* }

* WEIGHT CORRECTED FOR 47.8 PERCENT SHALE IN COAL SAMPLE.

AVERAGE (4 Samples - Both Wells) wt. corr.	USBM = 657 CF/ton Sur. Only = 551 CF/ton
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AMOCO-CAHN GAS COM. NO. 1

SAN JUAN CO., NEW MEXICO: FRUITLAND COAL

ADSORBED GAS CONTENT

Gas Measured	CYLINDER "A" 2797.6-2800.5'		CYLINDER "B" 2808.1-2810.2'	
	USBM Method	Surface Time Only	USBM Method	Surface Time Only
Lost Gas (cm ³)	14,400	4,600	17,600	5,000
Desorbed Gas (cm ³)	31,682	31,682	36,587	36,587
Residual Gas (cm ³)	1,122	1,122	3,469	3,469
Total Gas (cm ³)	47,204	37,404	57,656	45,056
Total Sample Wt. (g)	3,340	3,340	2,765	2,765
Gas Content (cm ³ /g)	14.133	11.199	20.852	16.295
Gas Content (ft ³ /ton)	{ 452 637.* }	{ 358 505.* }	667	521

* WEIGHT CORRECTED FOR EXCESS WATER, CLAYS AND ASH CONTENT