



# Volumetric Analysis Utilizing *rscCBM*



**rscCBM**

**Coalbed Methane Volumetric Analysis**  
(Protected)



Field:	XYZ Field	Date:	5/2/2006
County, State:	Pittsburg, OK	Operator:	Bubba's O&G
Reservoir:	Hartshorne	Press. Base, psia:	14.65
Geol/Engr:	JFL	Temp. Base, °F:	60

Langmuir Parameters	
V <sub>L</sub> , Scf/Ton (DAF*)	1,200.00
P <sub>L</sub> , psia	500.00

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Reservoir Parameters	
Moisture Content, frac.	0.020 (default)
Press. Grad., psi/ft	0.450
Isotherm Temp, °F (opt.)	118.0
Gas Gravity (Air=1) (opt.)	0.600
ρ <sub>pure coal</sub> , gm/cm <sup>3</sup>	1.200
ρ <sub>pure ash</sub> , gm/cm <sup>3</sup>	2.200

[Print Graph](#)

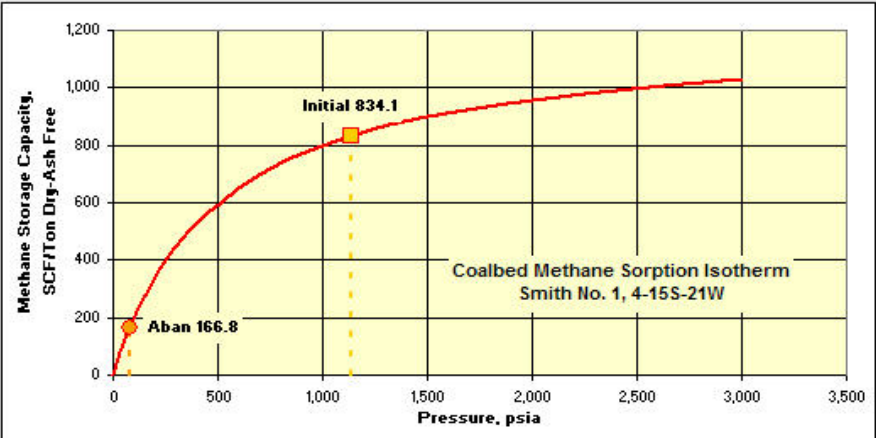
[Add Lines](#)

\* - Dry, Ash Free

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<input type="checkbox"/>	Data Input
<input checked="" type="checkbox"/>	Calculated
<input type="checkbox"/>	Manual Override

Well Parameters																
Well/Seam Identifier (Select well name to display graph data)	Location	P <sub>avg</sub> , gm/cm <sup>3</sup> (req'd)	Ash Content, frac.	Avg. Depth, Ft	P <sub>res</sub> , psia	P <sub>zbnr</sub> , psia	DAF @P <sub>res</sub> , Scf/Ton	In-Situ, Scf/Ton	Res. Area (AC)	h <sub>avg</sub> , Ft	Res. Vol., AF	OGIP, MMcf	Rec. Fac., frac.	EUR, MMcf	Cum Prod, MMcf	RRR, MMcf
Smith No. 1	4-15S-21W	1.600	0.400	2,500	1,140	81	834	484	160	6.0	960	1,010.3	0.800	808.3		808.3
Jones No. 2-5	5-15N-21W	1.530	0.330	2,750	1,252	75	858	557	140	7.0	980	1,136.4	0.817	929.0		929.0
Arithmetic Averages:		1.565	0.365	2,625	1,196	78	846	521	150	6.5	970	1,073.4	0.809	868.6		





# rscCBM Coalbed Methane Sorption Isotherm

