

Methane Adsorption Isotherm

Banff

Sample ID: 8046

Raw Basis

Well: 100/08-30-082-02W6/00

Depth: 1994.5 m

TOC = 1.66%

Sample Weight = 233.36 g
Particle Size = < 12 Mesh
Temperature = 122.0°F (50.0°C)

As-Received Moisture = 1.42%

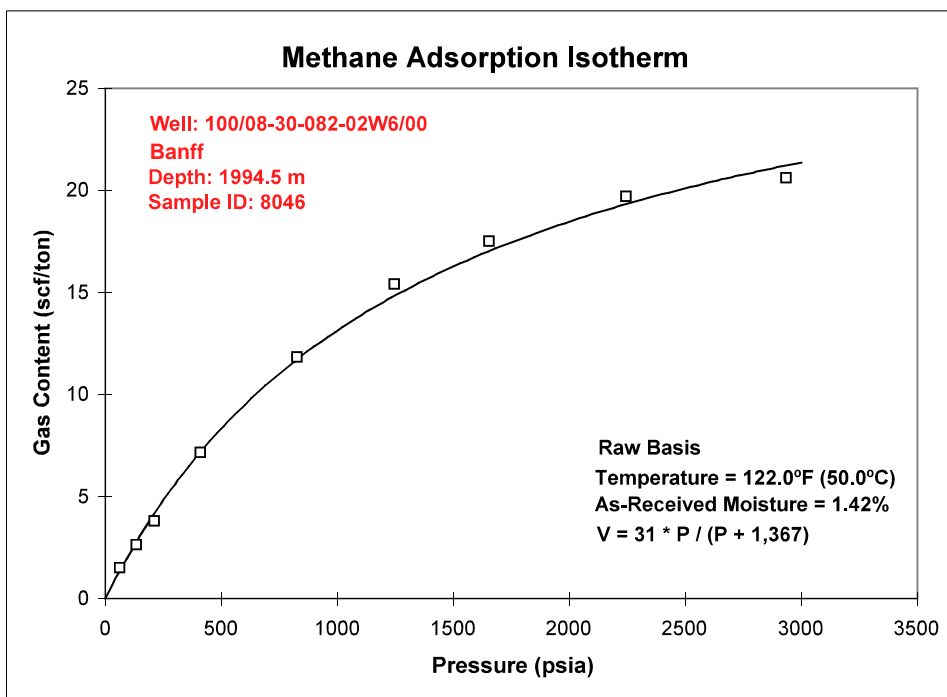
Methane Adsorption

Pressure		Gas Content (Raw Basis)	
(psia)	(MPa)	(scf/ton)	(scc/gm)
64	0.44	1.5	0.05
135	0.93	2.7	0.08
212	1.46	3.8	0.12
411	2.83	7.2	0.22
829	5.72	11.8	0.37
1,247	8.60	15.4	0.48
1,654	11.40	17.4	0.54
2,244	15.47	19.7	0.61
2,936	20.24	20.6	0.64

Langmuir Coefficients

$$V = 31.1 * P / (P + 1,366.7)$$

PL		VL (Raw Basis)	
(psia)	(MPa)	(scf/ton)	(scc/gm)
1,366.7	9.42	31.1	1.0



Schlumberger