

Methane Adsorption Isotherm

Muskwa

Sample ID: 9373

Raw Basis

Well: 100/02-04-126-11W6/00

Depth: 1533.0 m

TOC = 2.34%

Sample Weight = 224.94 g

Particle Size = -12 Mesh

Temperature = 152.6°F (67.0°C)

As-Received Moisture = 1.72%

Methane Adsorption

Pressure		Gas Content (Raw Basis)	
(psia)	(MPa)	(scf/ton)	(scc/gm)
64	0.44	1.6	0.05
122	0.84	2.8	0.09
220	1.52	5.0	0.16
376	2.59	7.3	0.23
530	3.65	9.0	0.28
841	5.80	10.9	0.34
1,238	8.54	12.3	0.38
1,632	11.25	14.0	0.44
2,210	15.24	14.6	0.46

Langmuir Coefficients

$$V = 19.3 * P / (P + 666.9)$$

PL		VL (Raw Basis)	
(psia)	(MPa)	(scf/ton)	(scc/gm)
666.9	4.60	19.3	0.6

