

Methane Adsorption Isotherm

Muskwa

Sample ID: 8436

Raw Basis

Well: 100/11-30-109-08W6/00

Depth: 1599.3 m

TOC = 2.53%

Sample Weight = 232.33 g

Particle Size = -12 Mesh

Temperature = 149.0°F (65.0°C)

As-Received Moisture = 0.79%

Methane Adsorption

Pressure		Gas Content (Raw Basis)	
(psia)	(MPa)	(scf/ton)	(scc/gm)
60	0.41	1.5	0.05
115	0.79	2.9	0.09
220	1.52	5.5	0.17
426	2.94	10.0	0.31
827	5.70	15.4	0.48
1,233	8.50	19.1	0.60
1,635	11.27	21.3	0.66
2,067	14.25	24.5	0.76
2,520	17.37	27.9	0.87

Langmuir Coefficients

$$V = 44.7 * P / (P + 1,634.5)$$

PL		VL (Raw Basis)	
(psia)	(MPa)	(scf/ton)	(scc/gm)
1,634.5	11.27	44.7	1.4

