

Methane Adsorption Isotherm

Muskwa

Sample ID: 9300

Raw Basis

Well: 100/16-36-108-09W6/00

Depth: 1595.2 m

TOC = 4.58%

Sample Weight = 222.61 g	As-Received Moisture = 1.29%
Particle Size = -12 Mesh	
Temperature = 149.0°F (65.0°C)	

Methane Adsorption

Pressure		Gas Content (Raw Basis)	
(psia)	(MPa)	(scf/ton)	(scc/gm)
60	0.41	2.3	0.07
117	0.81	4.1	0.13
225	1.55	7.4	0.23
432	2.98	13.5	0.42
843	5.81	21.8	0.68
1,251	8.63	28.0	0.87
1,658	11.43	32.9	1.03
2,091	14.42	39.6	1.24
2,567	17.70	42.7	1.33

Langmuir Coefficients

$$V = 75.6 * P / (P + 2,024.5)$$

PL		VL (Raw Basis)	
(psia)	(MPa)	(scf/ton)	(scc/gm)
2,024.5	13.96	75.6	2.4

