

Methane Adsorption Isotherm

Montney

Sample ID: 9256

Raw Basis

Well: 100/07-05-067-07W6/00

Depth: 10132.5 feet

TOC = 1.17%

Sample Weight = 248.39 g

Particle Size = -12 Mesh

Temperature = 161.6°F (72.0°C)

As-Received Moisture = 0.13%

Methane Adsorption

Pressure		Gas Content (Raw Basis)	
(psia)	(MPa)	(scf/ton)	(scc/gm)
121	0.83	1.2	0.04
226	1.56	1.9	0.06
441	3.04	3.4	0.11
863	5.95	5.3	0.17
1,282	8.84	6.3	0.20
1,839	12.68	6.9	0.22
2,473	17.05	7.9	0.25
3,170	21.86	8.5	0.27
3,947	27.21	8.7	0.27

Langmuir Coefficients

$$V = 11.0 * P / (P + 1,003.7)$$

PL		VL (Raw Basis)	
(psia)	(MPa)	(scf/ton)	(scc/gm)
1,003.7	6.92	11.0	0.3

