

Methane Adsorption Isotherm

Montney

Sample ID: 9255

Raw Basis

Well: 100/05-32-073-12W6/00

Depth: 2816.4 m

TOC = 1.83%

Sample Weight = 235.39 g

Particle Size = -12 Mesh

Temperature = 161.6°F (72.0°C)

As-Received Moisture = 0.20%

Methane Adsorption

Pressure		Gas Content (Raw Basis)	
(psia)	(MPa)	(scf/ton)	(scc/gm)
119	0.82	1.8	0.06
229	1.58	3.1	0.10
435	3.00	5.1	0.16
852	5.87	7.3	0.23
1,270	8.76	8.8	0.27
1,817	12.53	10.2	0.32
2,445	16.86	11.0	0.34
3,137	21.63	12.2	0.38
3,902	26.90	13.2	0.41

Langmuir Coefficients

$$V = 16.1 * P / (P + 1,005.2)$$

PL		VL (Raw Basis)	
(psia)	(MPa)	(scf/ton)	(scc/gm)
1,005.2	6.93	16.1	0.5

