

Exhibit 6 - Casaus #1 Adsorption Isotherm

Case #13770

September 14, 2006 Hearing

RE: Application of Benson-Montin-Greer Drilling Corp.
For Approval of a Pilot Project, Including an Exception
To Rules 4 and 7 of Special Rules and Regulations for
The Basin-Fruitland Coal Gas Pool, for the purpose of
Establishing a pilot program to determine commercial
Feasibility for Fruitland Coal Gas wells in Township 25
North, Range 2 West, N.M.P.M., Rio Arriba County,
New Mexico

Methane Adsorption Isotherm					
Benson-Montin-Greer			Well: Casaus #1 (O-20)		
Sample: Cuttings			Depth: 3463'-70'		
Dry, Ash-Free Basis					
Sample Weight = 118.85 g			Ash Content = 37.78 %		
Particle Size = < 20 Mesh			EQ. Moisture Content = 4.37%		
Temperature = 115.0°F (46.1°C)					
Methane Adsorption					
Pressure			Gas Content (Dry, Ash-Free Basis)		
(psia)	(MPa)		(scf/ton)	(scc/gm)	
59	0.41		26.9	0.84	
112	0.77		50.4	1.57	
209	1.44		74.1	2.31	
356	2.45		108.8	3.40	
504	3.47		135.7	4.24	
801	5.52		180.5	5.63	
1,208	8.33		223.0	6.96	
1,606	11.07		248.1	7.74	
2,104	14.51		271.0	8.46	
Langmuir Coefficients			V = 371.4 * P / (P + 807.2)		
PL			VL (Dry, Ash-Free Basis)		
(psia)	(MPa)		(scf/ton)	(scc/gm)	
807.2	5.57		371.4	11.6	