



**Shale Rock Properties**  
**Summary of Routine Crushed Core Analyses Results**  
As-Received and Vacuum Dried at 212°F

Fritz Consulting  
Undisclosed Well  
Undisclosed Field

Pennsylvania, USA  
File No: CO-48716  
Date: 9/30/2010

Sample ID	Dry Bulk Density, gm/cc	Dry Grain Density, gm/cc	Dry Helium Porosity, % of BV	Dry Press Decay Permeability, md
1-1-SRP	1.82	1.93	5.8	1.27E-04

As-received bulk volumes and bulk densities were determined on intact bulk sample material. The bulk material was crushed and all other analysis reported herein were conducted on the crushed material.