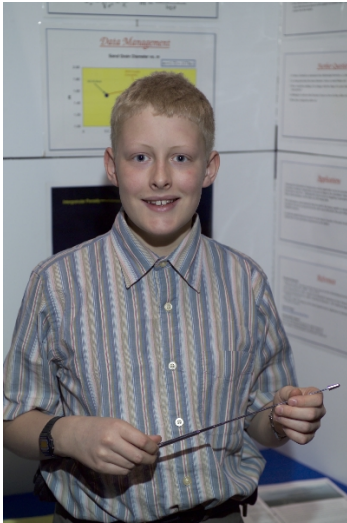


## CWSF 2006 - Saguenay, Québec



### Eric Peach

#### Archie's Equation And The Variable "m"

**Division:** Health Sciences

**Category:** Junior

**Region:** Calgary Youth

**City:** Cochrane, AB

**School:** St. Timothy Junior Senior High School

**Abstract:** Electrical measurements can be used to determine how much oil or gas is contained in a hydrocarbon reservoir. This project focuses on one of the variables used to calculate hydrocarbon and water saturations. It represents some geological characteristics of a porous sand that effect the flow of electricity through it.