

# ***Use and Abuse of Wireline Measurements For Potash Exploration and Reserves Estimates***

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What started out as a routine consulting assignment turned into an extended adventure, involving:

- Questionable Science
- Ignorance of W/L Field Operations
- Extended Litigation
- Battling Consultants
- An IPO
- Political Intrigue
- Briefing a Congressional Science Advisor
- A Failed Conformation Core Hole
- Discredit of a Proposed Evaluation Protocol

Oh: And he ended up developing a novel Potash Screening Protocol.

**Biography:** Donald Hill attended Michigan State University and The University of Minnesota, completing a Ph.D. in geology, with a mining exploration geophysics option and a petrophysics dissertation problem. He has spent over 40 years implementing innovative geophysical and petrophysical solutions, for a variety of natural resource companies involved in geophysical research; petroleum, geothermal, uranium, non-metallic minerals, and base metals exploration and production; groundwater resources; engineering geology; and environmental geology. In this process, Dr. Hill has worked on projects for over 43 companies and agencies in 22 US states, 3 Canadian Provinces and 33 countries. During the course of his career, Dr. Hill has moved easily between geophysics, petrophysics, formation evaluation, borehole geophysics, and shallow geophysics. Dr. Hill is currently a Consulting Petrophysicist. He is an Emeritus Adjunct Professor of Petrophysics in the Petroleum Engineering Program at the University of Southern California. Dr. Hill is an active member of several international professional societies and a published author in the fields of geophysics, petrophysics, enhanced oil recovery (EOR), geothermal exploration, and environmental evaluation & restoration. He has served on industry steering committees for major projects at Los Alamos Scientific Laboratory and Sandia National Laboratory, served on an ASTM standards committee, reviewed proposals for the U.S. Environmental Protection Agency, and reviewed standards and qualifying examinations for the California Board of Registration for Geologists and Geophysicists.