

Geoseis – an exciting New Way of Directly Detecting Water and Fluids

What can we do for you?

We locate difficult to find water – e.g. fractures, veins – for you.

We commercialize an exciting new technology to locate water and other fluids for the first time **directly**.

Standard exploration technology for locating fluids is different from our technology and falls short in this - it provides only indirect indications of water and fluids - if at all.

This new technology substantially increases knowledge of the presence of fluids, which increases success rates.

Because our technology is totally different from standard seismic exploration, it should be used in a complementary way.

What is Geoseis?

We are a small geophysical engineering company (LLC). Capacity for investigations will initially be 4 large ones per year.

What is our technology?

Our technology is radically different from existing exploration techniques which primarily detect structural differences in the sub-ground. Our analysis is based on signal shape due to the interaction of the fluid with the ground from which fluid presence can be inferred. We have the world's top specialist in the fluid dynamic field at hand in support of this technology.

We are developing a set of tools for this analysis. Two patents are being processed and are close to or have been issued.

How can we assist you in locating water / fluids?

There are virtually no rocks without some fractures. Such fractures are dangerous for hazardous waste disposal sites and nuclear end storage sites.

Tiny fractures are difficult to locate, either by drilling, standard seismological exploration, or geo-electrical methods. They constitute a so called secondary porosity. Even at small aspect ratios of 1:10'000 or smaller, such fractures can transport water or other fluids very efficiently. That is why fracking works so well for tight oil reservoirs and shale oil reservoirs.

Our methods can detect such conditions, because we rely on the interaction of fluids with the rock in fractures with water. It has been shown to work well with small aspect ratios.

The method can be used to check a single time, periodically or installed as a monitoring system.

Alternatively our method can be also used for water contained in veins, a porous area or similar situation not necessarily associated with fractures.

What is our product?

We offer small, medium and large field investigations for water / fluids using special instruments. These followed by interpretation to establish the likelihood of water / fluids, from preliminary to high details.

The technology is extensible, e.g. active excitation can be used.

What kind of interpretations do we offer?

There is a large spectrum starting with qualitative interpretation (currently available) going to fully quantitative interpretation (in development) consisting of full modeling, using specific physical concepts. Differentiation between fluids is the king of interpretation. The result is a statement about the likelihood of fluid presence.

What does the customer get?

We establish likelihood of presence water / fluids, location and extent with higher precision. The results will be presented and a report delivered. The goal is to interact with customers to address specific problem areas and how to address them. We closely interact with customers with a focus on mutual benefit, thereby we can solve difficult customer issues. High quality at a fair market value is the goal.

What is our contact information?

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