COPELAND
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How Does Hydrocarbon Surveys (HS) Technology Work?

The question should be "does it work and can I make money off of it". YES!!!

The HS system uses a proprietary, patented, oil and gas remote sensing technology which was developed by C. Dave Copeland. It is housed in a cooler with a solid-state heat pump to keep the sensor package at a constant temperature and is usually placed on the back passenger seat of a vehicle. It does not need to be out of the vehicle to take readings, which are taken within a 30 second period, while the vehicle or boat is stopped.

What are we measuring? HS readings are an indirect measurement of signals which come up through the skin on the earth directly below the point of measurement. It is real time, based on the current hydrocarbon content of zones directly below the HS unit. **At the interface of zones, piezoelectrically generated signals vary in strength relative to the amount of hydrocarbons which are in the zone. Faults will "short out" these signals to varying extents.** We have researched, developed, and refined the system since 2005. It has been field tested in eight US states, resulting in a large field application knowledge base.

If someone says that they don't use anything which they don't know how it works, they should not use common electrical devices. We only understand basic electricity down to a certain point at a molecular level. Beyond that is unknown. A few years ago, we used Schlumberger's new Pulsar through the casing tool. We do not understand how it works but do know that it does work, and we can make money off of it.

We invite interested parties to study several HS real world case studies to see that the system does work, and we will answer technical questions on its application.

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