WHAT IS

GEOPHYSICS?

[The application of physics to problems in the Earth Sciences.]

In applied geophysics we inject a signal into the ground and record how the ground changes that signal as it passes through. (It's like tapping on a box and listening for the echo to figure out what is inside.) The difference between **SIGNAL IN** and **SIGNAL OUT** depends on what is beneath the surface.

The **SIGNAL IN** might be:

an explosion, as in seismic work,

a distant lightning strike,

a burst of energy from the Sun,

or a manufactured source such as the JM2000.

The JM2000 was built here at the U of S for use in our field schools and student labs. It uses an MP3 player as the signal source and a 700 Watt car stereo amplifier to boost the signal. We can custom design a signal on a computer and download it to the MP3 for playback, but almost any signal can be used, including music.

After extensive field trials, we have found that music by Saskatoon band **The Portmans** works best.

SIGNAL IN

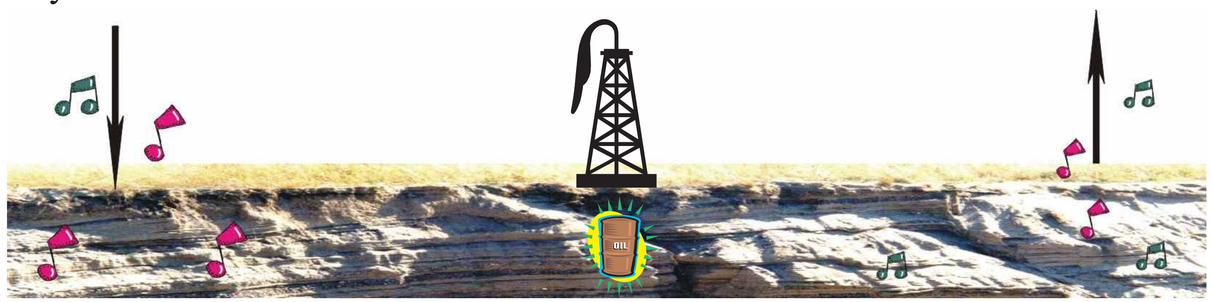
SIGNAL OUT

Wide Mouth Mason

Britney Spears

Wayne Newton

The Portmans



Spice Girls

The Jordan Cook Band

Rewarding careers are possible in exploration and environmental geophysics. Graduates of the U of S qualify for registration as Professional Geoscientists in Saskatchewan and Professional Geophysicists in Alberta.

For more information:
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