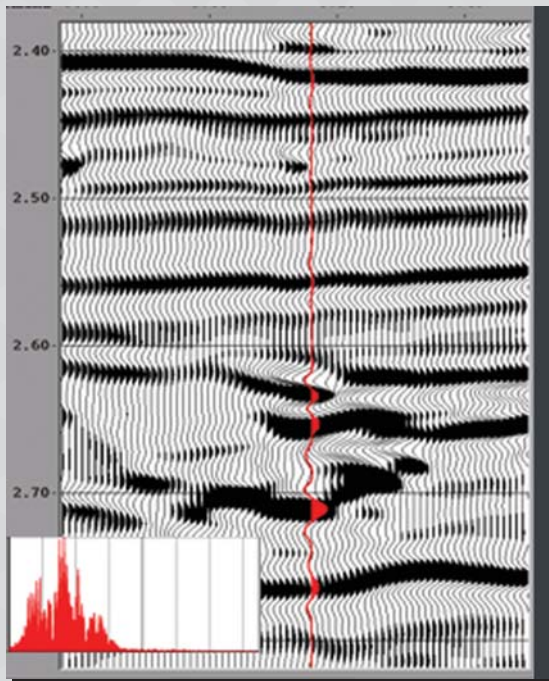


# High Frequency Imaging (HFI®)

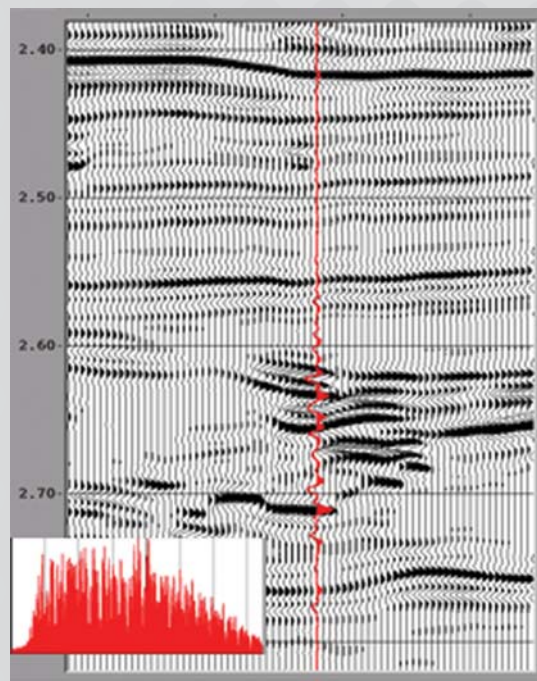
## *For the most difficult Imaging Challenges!*

If your exploration or development objective requires higher resolution than you have with your current seismic, Geotrace's High Frequency Imaging (HFI®) is probably the answer. High resolution reacquisition takes too much time and is up to 100 times more expensive.

Oil and gas companies all over the world have used HFI® on their existing data to dramatically increase their drilling success ratios.



**Input Data**



**HFI®**

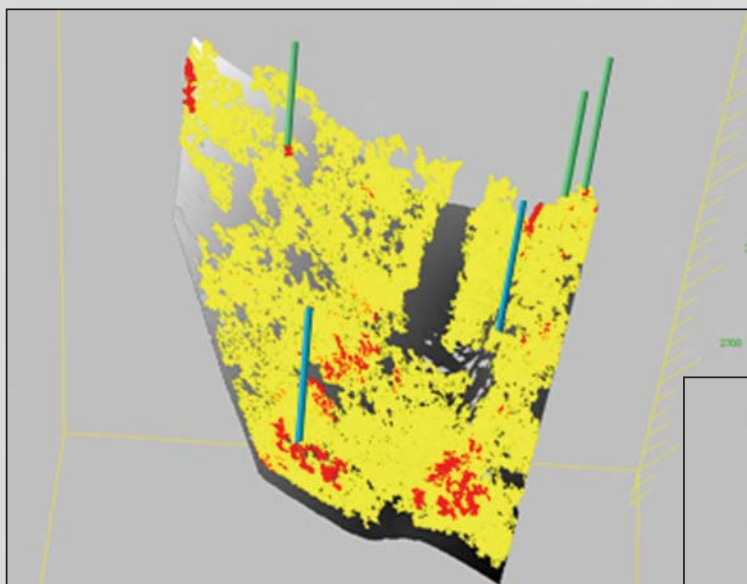
Results like this are very common with properly imaged data as input to HFI®. As you can see, even subtle events on the high frequency-filtered synthetic seismogram are correlated on the HFI® result and the bandwidth has been increased more than two-fold. Extracted wavelets demonstrate that the added bandwidth is real and the phase is well behaved throughout the spectrum.



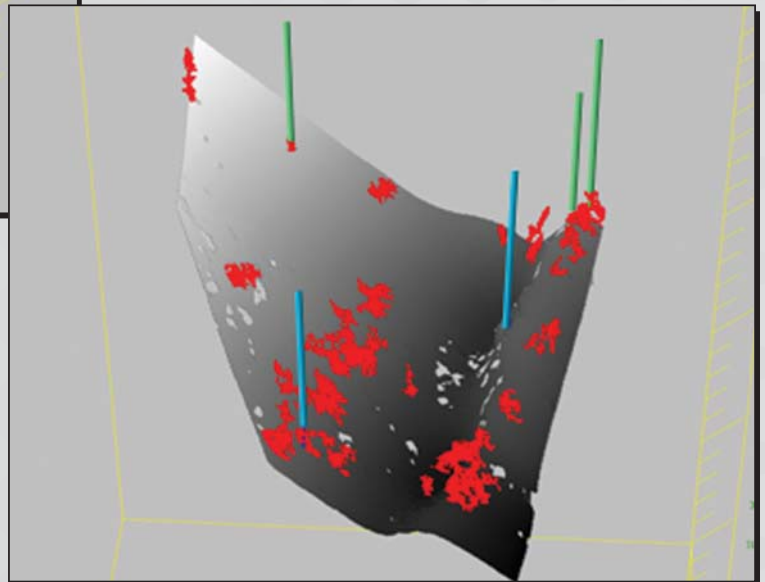
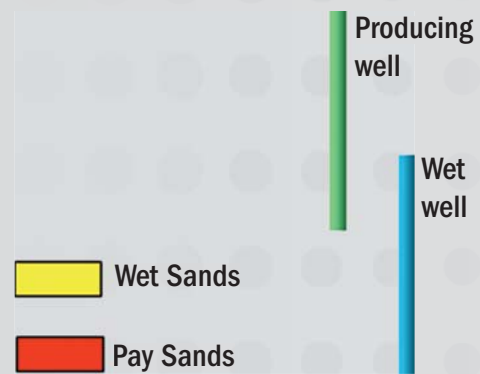
These are the things that Geotrace has helped explorationists to better see with HFI®:

- Small faults
- Amplitude changes associated with pay
- Pinchouts
- Subtle reflectors overpowered by nearby interfaces
- Reservoir barriers
- Thin, low amplitude events

## *What is your challenge?*



3D rendering from RockRes® of the sand interval in a producing field.



Sand interval showing only those sands predicted to contain pay.

*Call a Geotrace representative to have us look at YOUR challenge.*

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