



**To Whom This May Be Of Interest**

August 31, 2025

**Re: Imaging KH from Seismic with ADF®**

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Commercial hydrocarbon reservoirs require source, commercial reservoir and trap. Heretofore, the industry has struggled to reliably determine reservoir quality and areal extent except based on well data.

ADF® images KH from seismic data without use of well data. Strong ADF® indicates the likelihood of encountering commercial quality reservoir is high and the odds of a tight dry hole low.

*In the past*, we mistakenly believed ADF® was a DHI because not infrequently, early hydrocarbon migration is required to preserve porosity and permeability. Hence, in multiple geologic settings a high correlation was observed between ADF® and commercial oil and gas reservoirs misleading us into believing ADF® was a DHI. While unfortunately, mistakes in the process of invention are inevitable.

ADF® works in carbonate formations as well. Importantly, in addition to showing where commercial reservoir is likely, by showing where permeability is absent, ADF® is helpful to show where permeability barriers may be setting up traps.

Kind Regards,

*SW Peters*

Scott W. Peters  
President