**RFC-LFP005 (False Fluid Friends)**

**Suggested problem**  
How to define a good fluid analog when necessary fluid properties are not measured.  
  
  
**Suggested solution**

It is not enough with geographical closeness for selecting fluid analog. Geological issues that should be understood:  
1. TVDML and degree of biodegradation for HC zones  
2. Unique kitchen source and/or several migration paths  
If no similar formation or group measurement values exist, one should consider using the default Norne properties.

**Example**

The well GB 3/29A-4 with gas zone TVDML = 4556.9 m – 4757.9 m is using oil properties from Bressay well GB 3/28A-6 where oil properties are measured in the range TVDML = 945 m – 1018 m.

In the Mariner & Bressay Book 50 report the low values of API and GOR (API = 11.3 dAPI and GOR = 24 Sm3/Sm3) clearly indicate biodegradation in Bressay, which is not a probable process at the depths of ca. 4500 m TVDML.