



Instituto do Petróleo e Geologia – Instituto Público
(IPG)

4th IPG International Geosciences Conference on

Timor-Leste Geological Data and Information for Economic Diversification and Development

Dili 23-26 October 2018

Note Taker's Document

Date: Oct 24th, 2018

Time: 16.20

Conference Day: 2

Venue: CCD

Conference Speaker: Ernesto Pinto, ANPM Timor-Leste

Presentation Title/Topic: **Reconciling the Modelled Log and Core Based Saturation Height Functions: A Case Study from the Bayu-Undan Gas-Condensate Reservoir**

Presentation Notes	Q&A
<p>Petrophysics are adept at calculating water saturation using log data. Likewise they are good at interpreting the core measured capillary pressure data. In reservoir characterization, quite often, petrophysics are required to transform the log derived water saturation or core based capillary pressure information into saturation height functions for a realistic representation of water saturation in 3D geomodels and simulation models.</p> <p>Conclusions:</p> <ul style="list-style-type: none"> • Field with log data available the solution is straight-forward, generate saturation height functions using log derived water saturation • Field with Core data available the solution is straight-forward, generate saturation height functions using core derived water saturation • Field with both Log and Core data available, reconciling them to arrive at a realistic saturation height model is the key. 	<p>Agusto Doutel Institution: UNDIL Question: Mais ou menus Reserva hirak mak oras nee dadaun ejiste hela iha kampo produsaun Bayu – Undan no mais ou menus nia estimasaun bainhira mak reserva nee hotu? Answer: Klaro katak konta husi inisiu produsaun iha kampo Bayu – Undan to iha tinan ne'e komesa tun ba bebeik, no tuir estimasaun nebe kalkula husi kompania operador Conoco Philips identifika katak kampu produsaun Bayu – Undan sei para nia aktividade produsaun entre tinan 3 ka 4 mai tan. Oras nee dadaun, posu perfurasaun nebe uja ba produsaun iha kampo Bayu – Undan hamutuk 10.</p>

Note Taker's Name:

JR