



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: 10.55

Conference Day: 2

Venue: CCD

Conference Speaker: **Budi Priasati (Timor Gap)**

Presentation Title/Topic: **CROCODILE 3D BROADBAND SEISMIC PROCESSING AND INTERPRETATION REVEAL SUB-THRUST PROSPECTS IN TIMOR-LESTE OFFSHORE AREA.**

Presentation Notes	Q&A
<p>Crocodile 3D broadband seismic is a new 3D acquisition has been carried out by TIMOR GAP over the PSC block TL-SO-15-01 in Timor-Leste Offshore Area (TLOA). The PSC block is part of the Banda Arc petroleum province and located in a proven hydrocarbon province of the Plover Formation.</p> <p>This survey area is characterized by a complex geological setting, including rugose seabed topography, fold–thrust, anticlinal and faulted structures with strong associated lateral velocity heterogeneity and seismic anisotropy.</p> <p>The main reservoir target is the Upper Jurassic Plover Formation, located at 850m-2400m below mud line (BML). Vintage seismic data shows the target reservoir was highly distorted due to the complex overburden and strong lateral velocity variation.</p> <p>Therefore, improving the bandwidth and signal to noise of this new seismic dataset and resolving the structural complexity became the main objective during the processing phase.</p> <p>Broadband seismic processing provided the expanded bandwidth in particular, the ultra-low frequencies for coherency and continuity enhancement of the target level beneath the complex overburden. The application of these processing technologies was seen to collectively improve the interpretability of the image of the sub-thrust prospects.</p> <p>The new broadband dataset allows interpretation of more than 30 individual closed seismic structures at various geological levels, stacked vertically, in 17 geographically distinct locations.</p>	<p>N/A</p>

Note Taker's Name:

JR



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<p>The identification of prospects in the Triassic and Permian formations provide an unrecognized exploration fairway for explorations in the region. To date many prospects and exploration plays have all been found the Jurassic formation.</p>	
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