



**TIMOR GAP, E.P.**

“CAN DO” spirit

To be a regional leader in oil & gas for sustainable national development

Edition of June 2017

**SUAI AIRPORT INAUGURATION**

On 20th of June, a significant stepping stone towards the development of our Country's infrastructures and air communication system was attained with the inauguration of Suai Airport. Named in honour of a Timor-Leste's prominent political/military figure, the “Commander in Chief of FALINTIL, Kay Rala Xanana Gusmão, International Airport”, located between Matai and Holbelis, Covalima district, features a 1.5 km long runway, a new terminal building with facilities for customs and immigration, fire station and helipad with Medivac air ambulance facilities.

The President of the Republic, H.E. Francisco Lu-Olo Guterres, officially cut the ribbon to open the International Airport, in the presence of the Prime Minister of Timor-Leste, H.E. Rui Maria de Araújo, Minister of Public Works, Transport and Communication, H.E. Gastão de Sousa, and the Minister of Petroleum and Mineral Resources, H.E. Alfredo Pires along with other members of National Parliament, Veterans and local community and traditional leaders.

The Suai airport is a supporting infrastructure envisioned in the Tasi Mane Project, a multi-year development of three industrial clusters on the south coast identified in the national Strategic Development Plan.

The airport was refurbished in line with International Civil Aviation Organization (ICAO) best standards with the main purpose of allowing safe operations of light airplanes and helicopters to support petroleum activities and supply base operations, thus benefiting the companies working on oil and gas platforms, the Tasi Mane project, and the communities living in the south coast. With the new airport it is expected the creation of multiple services such as air traffic control, catering, maintenance, fire brigade, meteorological, transports, security, passenger handling, communications, fuel companies, hence generating various new job opportunities.



Tasi Mane Project - South Coast



**TRADITIONAL CEREMONY "TESI AI LULIK " - SUAI AIRPORT AREA**



Respecting our country traditions and earning the trust of local communities is essential to the success of our projects and operations. In view of this, TIMOR GAP partook in a traditional ceremony carried out under the rehabilitation and expansion of the Suai airport held on 8<sup>th</sup>-12<sup>th</sup>, in Camanasa, where the new airport is located.

The above mentioned traditional ceremony, locally known as "Tesi Ai Lulik" (cutting of sacred trees), encompasses the felling of ancient trees considered sacred and protected by the local community. Although considered sacred by the locals, the clearance of the 500 meters forest area is necessary to meet the requirements established by the Civil Aviation for the visibility conditions and required length of the approach area to the runway, ensuring the safety of the flights operations.

The traditional ceremony involved cultural dances and displays, several gatherings and dialogue with the traditional leaders held on the "Uma Lulik" (Timorese sacred house) and in the forest area near an "Ai Lulik" (sacred tree), where it was performed a ritual and an symbolic offering to the sacred forest spirits. This ceremony assembled more than 100 villagers, traditional leaders of different villages of Suai, ANPM's President, Mr. Gualdino da Silva (on behalf of H.E. Minister of Petroleum and Mineral Resources, Mr. Alfredo Pires) and TIMOR GAP's Directors Mr. Luís Martins and Mr. Vicente Lacerda.

TIMOR GAP understands and respects the social context in which the company operates, helping to preserve Timor-Leste traditions while working for the country's development and growth.

SUMMARY OF E&P DEPARTMENT IN-HOUSE TRAINING

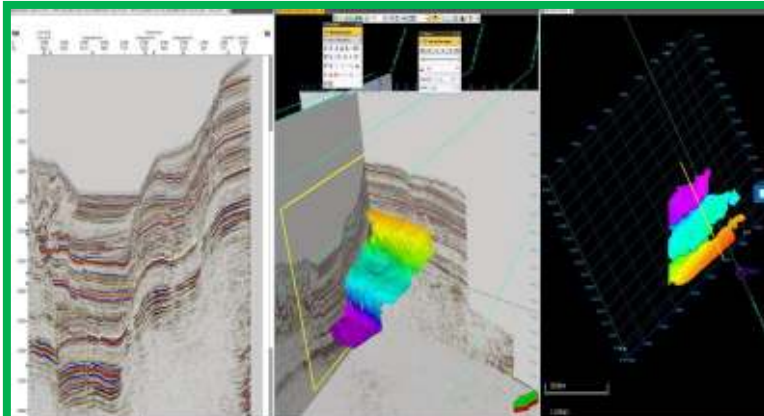


Fig. 1: 3D auto-tracking for continuous seismic amplitude



Fig 2: Geophysicist and Geologist in the in-house training session

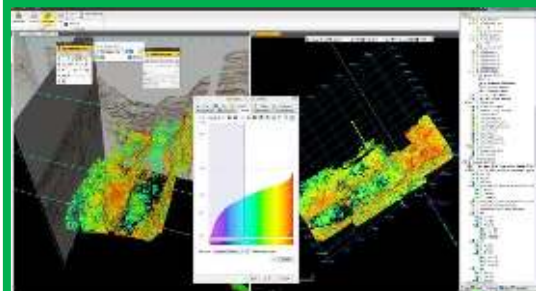


Fig. 3: Horizon interpretations filtering of 3D auto-tracking



Fig.4: Seismic well tie analysis to synchronize seismic with well

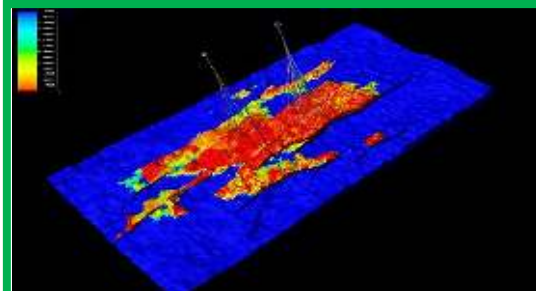


Fig 5. Bayu Undan dynamic model base map

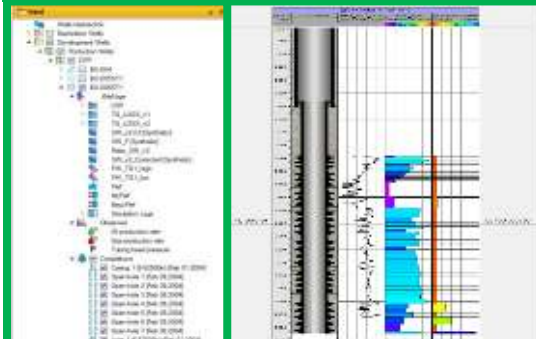


Fig 6: Bayu Undan well completion

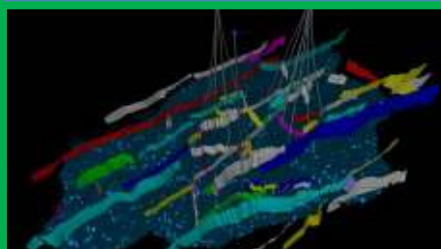


Fig 7: Bayu Undan dynamic fault model



Fig. 8: Bayu Undan History Matching output

Schlumberger senior geophysicist and reservoir engineer were in the E&P office from the 15<sup>th</sup> – 26<sup>th</sup> May 2017 to train and expose their industry experiences in both static and dynamic models for the E&P team members. The data used in this two weeks training was comprised of:

1. Crocodile 3D seismic data that covered OFFSHORE BLOCK contract area and Sera-1 well data within TLEA and Bayu Undan field data in the JPDA for Geologies and geophysics team members
2. Bayu Undan field production data for build a reservoir Simulation model for engineering team members.

The principal objective of two weeks in house training was to strengthen the skills and capacity of E&P team members in the following areas:

- a. Effective and maximize in utilizing PETREL geophysics and geology tools for the interpretation of Crocodile 3D seismic data in the contract area of TIMOR GAP OFFSHORE BLOCK within TLEA and review of Bayu Undan field data within the JPDA.
- b. Turn-up with an effective reasonable solutions for the challenges in the seismic interpretation and static modelling/Geomodel
- c. Expose the team members to a real project experience in building reservoir simulation and history matching models in combination utilizing of computer based software that composed of PETREL RE, INTERSECT, ECLIPSE 300 and PVTi software.
- d. Develop a comprehensive understanding of oil and gas reservoir characteristics ranging from fluid and rock characteristics through to reservoir descriptions and classifications as well as development and production of resources management and optimization strategy of oil and gas field.
- e. Build dynamic and history matching model that end up with a forecast of future production behavior of Bayu Undan wells particularly production forecast of Bayu Undan field post PSC of 2022.



**TIMOR GAP**  
Sponsored by  
**PERTAMINA**

6 am - 10 pm

GAZOLINA (Gasoline)  
GAZOLEU (Diesel)



TIMOR GAP Fuel Station in Suai is operated by certified people from Covalima community:

- Your friends
- Your neighbors
- Your family



Thank you for your preference



TIMOR GAP is part of EITI's Multi-Stakeholder Group



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MINISTÉRIO DO  
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**TIMOR GAP**

GAP-MHS Aviação Lda  
JPDA PSC 11-106

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## SOUTHERN COAST PROJECTS

Today, The Company is focused on the Southern Coast (Tasi Mane) Project as the main activity in the formation of a Company Portfolio in the future. The project will focus on the development of the coastal zone from Suai to Beaço that requires infrastructure to support a growing domestic petroleum industry. Following on from this development, the company will diversify into other areas of operations, such as E&P sector and downstream activities.

