La’o Hamutuk note: This presentation was ANP President Gualdino da Silva was given on 1 July 2011 to the “Energy in Timor-Leste” conference sponsored by the Portuguese oil company Galp and the Timor-Leste National Parliament. For more information about the Greater Sunrise project, see http://www.laohamutuk.org/Oil/Sunrise/10Sunrise.htm.
Content ....

• The Greater Sunrise Gas and Condensate Field-Overviews

• Legal Framework and Stakeholders

• Project Progress

• Way Forward

• Other activities, potentials and the next bid round
Map Showing Location of the Greater Sunrise Field in the Timor Sea

TLEA - Timor-Leste Exclusive Area

JPDA - Joint Petroleum Development Area
Greater Sunrise (UPI)

- **Operator**: Woodside Petroleum (33.4417%)
- **Partners**:
  - Shell (26.5583%)
  - ConocoPhillips (30%)
  - Osaka Gas (10%)

**Areal Coverage**: 75 x 50 km – east-west elongated

- Distance from Northern Australia ~ 450km
- Distance from Southeast coast of TL ~ 150km
- Reservoir Depth 3000mSS
- Reservoir Thickness 60-80m
- Reservoir Temp – 40 degrees C
- Condensate Gas Ratio 30-50 bbl/mmscf
The Greater Sunrise Gas and Condensate Field

**AREA ESKLUSIVA**

**PSC 03-19**
- **Operator:** Woodside Petroleum (27.6666%)
- **Partners:**
  - Shell (32.3333%)
  - ConocoPhillips (30%)
  - Osaka Gas (10%)

**PSC 03-20**
- **Operator:** Woodside Petroleum (26.6666%)
- **Partners:**
  - Shell (33.3333%)
  - ConocoPhillips (30%)
  - Osaka Gas (10%)
The Greater Sunrise Gas and Condensate Field

- **Early Estimate:**
  - Gas Reserve - 7.67 TCF
  - Condensate - 298 MMBBL

- **Latest Estimate by Woodside (2009):**
  - Gas Reserve - 5.13 TCF
  - Condensate - 226 MMBBL

- ANP has engaged a third party to verify the change of reserve...
Legal Framework for the Greater Sunrise Project

establishment of JPDA

Timor Sea Treaty

IPMC & Regulations under TST

Greater Sunrise Project

PSCS & RLs

CMATS

IUA

Unitisation of the Areas

Australian Laws

Moratorium Period & Equal Revenue Share between TL & Australia
Institutional relationship across the three jurisdictions

Timor-Leste Government
- State Secretary of the Environment
- State Secretary of Natural Resources
- Board of Directors ANP

Australian Government
- Australian Regulatory Authorities
- Australian Joint Commission (3 commissioners)
- Sunrise Commission (3 commissioners)

Ministerial Council
(equal number from each side)

Joint Commission
(3 commissioners)

Autoridade Nacional do Petróleo
Designated Authority
National Up- and Downstream
• ANP has engaged a third party to review the reduction of the Greater Sunrise Contingent Resources presented by Woodside and its JVs in late 2009.

• ANP received three concepts for the Development of the Greater Sunrise Field in September 2010
  • Timor LNG
  • Darwin LNG
  • Floating LNG

• ANP presented its first preliminary findings on the three concepts at the 6th Sunrise Commission Meeting in Brisbane on 15th December 2010
Sunrise Development Concepts Review

TLNG  FLNG - DLNG
Kampu Gas no Kondensadu Sunrise
Project Progress

• Sunrise Commissioners agreed to suspend temporarily all the activities related to the Greater Sunrise Project until differences on downstream title under the PSCs is established.

• Consequently no significant progress on the follow up for the assessment of the three development concepts...
Way forward

• ANP to settle the issue on the Sunrise Contingent resources re-estimate with the Sunrise Commissioners

• ANP to review audits for the 2010 PSCs’ expenditures
  • PSC 03-19
  • PSC 03-20
Way forward

- Upon the agreement of the Sunrise Commissioners to resume discussions with WS & JVs as follows...
  
  - ANP will present its comments and feedbacks on the three concepts for further evaluation as necessary.

  - ANP with prior consent of the Sunrise Commissioners will open discussions on the Sunrise contingent resource estimate/reduction.
Other Projects
Seismic Activities

- **Eni**: 3,175 km 2D, 8,400 km$^2$ 3D (2007-8)
- **Oilex**: 2,140 km$^2$ 3D (2008)
- **Petronas**: 650 km$^2$ 3D (2007)
- **Minza**: 940 km 2D (2009)
- **Reliance**: 325 km 2D, 1,300 km$^2$ 3D (2007-8)
- **Woodside**: 3,200 km$^2$ 3D (2000)
- **Woodside**: 1,720 km$^2$ 3D (2009)

Contract Areas in JPDA and TLEA

59% unlicensed

63% unlicensed
Other projects - TLEA and JPDA

TL EXCLUSIVE OFFSHORE AREA

Bayu-Undan Production
OTHER PETROLEUM POTENTIALS

Exclusive Areas (Onshore & Offshore)

&

JPDA
Past Studies indicated that we have significant petroleum resources which should further be explored and developed.

+/- 60% area of the JPDA .. And 60% from TLEA exclusive remains open for business.

Continuing interest showed by the international oil players regionally and worldwide.
Map Showing Petroleum Prospects in JPDA

LEGEND
- Oil Well
- Suspended Oil Well
- Abandoned Oil Well
- Oil Well with Gas Shows
- Oil and Gas Well
- Suspended Gas Well
- Gas Well with Oils Show
- Dry Hole w/ Oil & Gas Show
- Dry Hole with Oil Show
- Dry Hole
- Gas Well
- Jurassic Prospects
- Jurassic Leads
- Permian Prospects
- Deep Water Leads
- PSC Areas
- Undrilled Wells

Dili, Sept. 2007

Not to scale
Onshore petroleum potentials .... More than two dozen of oil and gas seeps exist along the southern coast of TL.

Geological Studies for better understanding on the onshore prospects are well underway along the south coast .... aimed for all over TL.
ANP is preparing for the next acreage release round – planned to commence a road show in late 2011 – early 2012

- preparations are well underway
- New PSC Awards by Mid 2012