1. Bangladesh – Block SS-11
Bangladesh – Block SS-11 (Bengal Basin)

Block SS-11
• Status: Exploration
• Area: 4,475km²
• Location: Offshore Bengal Basin
• Water depths: 10 – 700m, with the majority of the block lying in water depths up to 200m

Partners:
• Santos / Ophir (Operator) 45%
• KrisEnergy 45%
• BAPEX 10% (carried interest through to commercial discovery)

Comittments:
• Block awarded March 12th, 2014
• 8 year exploration term (2 terms comprising 5+3 years)
• Partial firm commitments completed (3,125km 2D seismic acquired 2015; 308km² 3D seismic acquired May, 2018)
• Outstanding firm one (1) well commitment due by end permit year 5 (24 month extension to March 11th, 2021 granted January, 2019)
**Reservoirs** – Reservoirs are dominated by Miocene to Lower Pliocene sandstones, deposited in fluvio-deltaic / marine shelf, slope to deep water environments.

**Seal** – Intra-formational Mio-Pliocene fluvio-deltaic shales with shale channel fill often acting as lateral and/or top seals.

**Structure** – Anticlinal traps in the east of the Block. Stratigraphic traps are largely associated with shale-filled channels/canyons which incise sequences of stacked sands and interbedded shales.

**Source** – Late Eocene to Late Oligocene and Miocene shallow to deep water marine carbonaceous shales (both deeper thermogenic & shallower biogenic components).
Block SS-11 – Prospects and Leads Summary

- Prospective areas have been mapped with more than 7 tcfg of associated recoverable reserves
- Multiple play types identified on the Block
- Potential to test multiple targets from a single drill location.
- Multiple gas chimneys throughout the Block indicate an active petroleum system
- The majority of the identified prospects are in shallow water (less than 100m) with reservoir intervals depths of 2,600 – 3,200m

<table>
<thead>
<tr>
<th>Prospect / Lead</th>
<th>Rec. Reserves</th>
</tr>
</thead>
<tbody>
<tr>
<td>Daruchini</td>
<td>353 bcfg</td>
</tr>
<tr>
<td>Sheemanto</td>
<td>991 bcfg</td>
</tr>
<tr>
<td>Palongkee</td>
<td>773 bcfg</td>
</tr>
<tr>
<td>Inani</td>
<td>898 bcfg</td>
</tr>
<tr>
<td>Inani South</td>
<td>619 bcfg</td>
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<td>1,248 bcfg</td>
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<td>Dignoto</td>
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<tr>
<td>Inani South</td>
<td>619 bcfg</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>7,476 bcfg</strong></td>
</tr>
</tbody>
</table>
Block SS-11 – Sheemanto Prospect

- High potential, untested in Bangladesh but similar to successful Myanmar plays
- Multiple plays tested from one surface location
  - Shelfal facies sealed by shale filled channels (2,500m)
  - Sand filled channel (3,300m)
  - Basin floor fans (4,100m)

- Sheemanto focus of 3D seismic acquisition.
  308km² acquisition completed May 2018
- Drilling 2021/2022
- Water depth circa 90m
- Pmean reserves 991 bcfg (12/18 pre-3D seismic interpretation)

Sheemanto basin floor fan (~37 km north of the Thalin gas field)

ARMS Map of 430 Basin Floor Fan 1

Sheemanto shelfal sands cut by shale filled channels

Shale filled channel

Sheemanto channel lead

Arbitrary NS 3D seismic dip line showing the multiple targets of Sheemanto
2. Vietnam – Block 115/09
Vietnam – Block 115/09 (Song Hong Basin)

Block 115/09

- Status: Exploration
- Area: 7,382km²
- Location: Southern Song Hong Basin
- Water depths: 60 to 200m

Partners:

- KrisEnergy 100% (Operator)

Comittments:

- Block awarded March 20th, 2014
- 7 year exploration term (3 terms comprising 4+2+1 years) plus 2x1 year extension period within the exploration term. 20 year production period
- Partial firm commitments completed (3,000km 2D seismic reprocessed 2015)
- Outstanding firm 850km² and one (1) well commitment due by end permit year 4 (currently extended to March 20th, 2020)
Main Play Types

1. Mio-Pliocene sands – structural (fault closures) and stratigraphic (slope fans), often amplitude supported
2. Early – Middle Miocene carbonate reefs
   - Offset Bao Vang Fields circa 600bcfg Mio-Pliocene sands
   - CVX Field reported 3-5 tcfg

(Woodmac, 2017)
Block 115/09 – Play Types

Prospect / Lead | Recoverable Reserves P90 / P50 / P10 / Pmean bcfg
--- | ---
Lead 1 | 360 / 1037 / 2720 / 1349 bcfg
Lead 2 | 104 / 191 / 304 / 199 bcfg
Lead 3 | 113 / 329 / 875 / 431 bcfg
115-A | 970 / 1478 / 2161 / 1530 bcfg
Total | 3509 bcfg

Lead 1
- 130.5km² of bright amp. area
- Miocene Carbonate build-up

Lead 2
- 68.3km² of bright amp. area
- Miocene Carbonate

Lead 3
- Push-down due to overlying layers possibly bearing gas

115-A-1X Gas Discovery

Plio-Pleistocene Sst.

Miocene Carbonate

RMS amplitude between 2ma & 5.5ma Map overlaid with 2ma TWT contours