CBM to LNG
LNG 17 - Unconventional Gas Conference Session

Nanang Untung
PT Badak NGL
President Director

Houston, 19th April 2013
A World Class Energy Company

PT BADAK NGL - Plant

Production Capacity
LNG : 22.5 MPTA
LPG : 1.2 MPTA
Feed Gas : 3,429 MMScfd

8 Process Trains
6 LNG Tanks
5 LPG Tanks
3 Loading Docks

15 Power Generators
22 Cooling Water Pumps
21 Boilers

Since 2000

Since 2001

Since 2009

Challenges:
- Maintaining world class reputation
- LNG center of excellence
- Business diversification
- Maximize revenues
INDONESIA CBM ROADMAP

INDONESIA COALBED METHANE DEVELOPMENT ROADMAP

- Reg: CBM - 1 Rambutan (APBN)
- CBM Prod Est of 500 MMSCFD
- CBM Prod Est of 1500 MMSCFD
- Gov Reg of CBM to Power
- CBM Prod Est of 900 MMSCFD
- Signing of more CBM PSCs
  Avg prod rate assumed = 250 MSCFD/ well

Notes:
- Projects with Gov. involvement
- Start of CBM Contract period
- CBM production
- PP: Pilot Project

© DJ MIGAS 2011
50 Gas Methane Based (CBM) Working Area already awarded by Government of Indonesia since 2008

Working Area already on Production Stage:
1. Sanga-sanga Working Area (East Kalimantan)
2. Muara Enim II (South Sumatera)
PT BADAK NGL
STRATEGIC LOCATION

BONTANG LNG
FACILITY
Located in the heart of
East Kalimantan CBM
Development

Total CBM Potency Surround Bontang
LNG Facility

1. Kutei Area - est. 80 Tcf
2. Berau Area - est. 8 Tcf
3. Barito Area - est. 100 Tcf

Courtesy of CBM Asia
Activities and Achievements

<table>
<thead>
<tr>
<th>Key Milestones</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>4Q</td>
<td>1Q</td>
<td>2Q</td>
<td>3Q</td>
</tr>
<tr>
<td>PSC Awarded</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Coring - Conventional Wells</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Permeability Testing</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Single Well Pilots - Recompletions</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Multi Well Pilot No. 1 and 2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Exploration Wells</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>First Gas into LNG Bontang Plant</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CBM to Electricity Project GSPA with PLN</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Source: Vico, April 7th 2013
PT Badak NGL is the 1\textsuperscript{st} LNG Plant in the world that processed CBM into LNG

As a world class LNG company, PT Badak NGL always maintain competitive performance and strive to keep the asset integrity for long-term foreseeable operation

Available under utilized Capacity LNG Plant and Strategically Located in the heart of East Kalimantan CBM Gas Development is the main driver to efficiently monetize CBM to LNG
thank you