

**Society of Petroleum Engineers
Java Indonesia Section
Technical Discussion Group
(Free for all members/ participants)**



**Thursday, 22 December 2011
11.30 AM – 01.00 PM
JOB PHE – Costal IGL
27th Floor, Bakrie Tower, Rasuna Epicentrum
Jl. HR. Rasuna Said Jakarta**

“CBM PROSPECT EVALUATION”

by

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Abstracts:

CBM production and its proportion in total gas supply have been dramatically increasing in last five years in many countries. Coal Seam Gas industry has been made great success and developments both in USA, Canada and Australia. However it is still in the beginning stage in many countries such as Indonesia, Vietnam, India, Turkey and Europe.

CBM production is important in Indonesia because of the need for affordable, local energy sources and the potential of addition gas supplies for the existing LNG plants.

Most of methane in coal is contained in the coal matrix as adsorbed gas under pressure. It is difficult to evaluate the prospectivity of the CBM areas by means of the conventional methodologies due the complexity of coal and variable characteristics.

Detailed well-planned Geological and Geophysical (G&G) work is essential in order to identify coal seam gas potential and possible sweet spots. Many CBM projects fail due to poor assessment and management of exploration data for evaluation of the CBM prospects.

Coal seam gas exploration strategies target the thickest-continues coal seams with high gas contents in order to identify the exploration sweet-spots. There are seven key elements to be examined for commercial prospectivity of CBM target prospects:

- Depth of the coal seams;
- Thickness of the coal;
- Gas content of the coal;
- Gas saturation-absorption capacity of the coal;
- Coal maceral composition and ash-moisture content;
- Permeability of the coal;
- Proximity to infrastructure.

Biography:

Dr. Alan Bayrak has more than 20 years experience in oil and gas industry and director of Coal Seam Gas Exploration and Production Services, based in Queensland Australia.

Dr. Bayrak has had extensive experience in the evaluation of coal seam gas prospects and projects in Europe, Australia and Indonesia. In addition he has directed, or been senior adviser to, coal seam gas exploration and development projects in the Gloucester Basin, Galilee Basin, Otway Basin, Bowen Basin, Zonguldak Basin and Sumatra and Kalimantan.

Looking forward to seeing you,
Bambang Sadarta
Lead of Technical Discussion Group

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