

Resources, Professionalism, Technology: Time to Deliver



SPE ASIA PACIFIC OIL & GAS CONFERENCE AND EXHIBITION

Co-sponsored by the Society of Indonesian Petroleum Engineers (IATMI)
30 October – 1 November 2007 • Jakarta, Indonesia

Conference Preview

Sponsoring Organisations:



**Society of Petroleum
Engineers**



**Society of Indonesian
Petroleum Engineers**

Supporting Organisations:



BPMIGAS



PERTAMINA

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MESSAGE FROM THE CHAIRMAN



On behalf of the Society of Petroleum Engineers (SPE), the Society of Indonesian Petroleum Engineers (IATMI), and the various organizing committees, it gives me great pleasure to invite you to the SPE Asia Pacific Oil & Gas Conference and Exhibition (APOGCE). This prestigious conference will be held at the Jakarta Convention Center, Jakarta, Indonesia from the 30th of October to the 1st of November, 2007.

The conference theme "*Resources, Professionalism, Technology: Time to Deliver*" aims to address contemporary issues affecting the industry. Topical concerns focusing on the demand of resources, professional accountability, social responsibilities and the swift evolution of technology, are all considered paramount topics in today's competitive working environment.

The program consists of high profile keynote session and luncheon speakers with over 60 technical presentations delivered in conjunction with the conference theme. An exhibition and poster area will also complement and support the daily technical sessions updating delegates with the industry's latest cutting edge technology.

We are pleased to introduce an Education Day this year. It is a new initiative to introduce students to the discipline of petroleum engineering and to the oil and gas industry in general. Industry professionals will be invited to share their experiences with students and present topics of general interest and relevance to the industry. We are confident that this program will be a great success.

In line with developing the young professionals, a Young Professionals Workshop will be held once again in Jakarta. The program caters for oil and gas professionals and university students under the age of 35.

In addition to the professional benefits, the conference also provides an opportunity to renew old acquaintances, make new friends, and network with fellow industry peers.

The week's social activities begin with the infamous Shrimp Boil taking place on Saturday 27 October 2007. This is followed by a Golf Tournament and a conference dinner which provides a perfect opportunity for delegates to network and socialise.

We look forward to welcoming you to Jakarta this October for APOGCE.

R.S Trijana Kartoatmodjo
General Chairman

ADVISORY COMMITTEE

Chairperson:

Gandung Atmadji, PT. Pulau Kencana Raja

Committee Members:

Fauzi Imron, MEDCO MOECO Langsa Ltd. TAC

Kevin Moore, Citic Seram Energy Ltd.

Priyambodo Mulyosudirjo, PT Bikomp Energi Nusantara

Budiman Parhusip, BP Indonesia

Untung Suryanto, PT. Lamongan Integrated Shorebase



CONDUCT COMMITTEE

Suhadi Dwijomartono, Schlumberger Oilfield Services Indonesia, Conduct Committee Chairman
Steven Broadmeadow, PT Expro Indonesia, Conduct Committee Vice Chairman



(Group Photo: R.S. Trijana Kartoatmodjo, Conference General Chairman, Kuswo Wahyono, IATMI President, and Advisory and Conduct Committee members)

Arrangement/Protocol/Security Subcommittee

T.M. Razief Fitri, ConocoPhillips Indonesia
Toni Tjokro, BPMIGAS
Handoyo Eko Wahono, BPMIGAS

Exhibition Subcommittee

Herry Wibiksana, ConocoPhillips Indonesia
Karen Agustiawan, PT. PERTAMINA (Persero)
Lia Kusumawardhani, Marathon Oil
Maria R. Nellia, ENI Indonesia
Tanu Wijaya, PT. Imeco Inter Sarana

Sponsorship Subcommittee

Joang Laksanto, ConocoPhillips Indonesia
Mochamad Taffif Djoenaedi, PT. Imeco Inter Sarana
Suprijonggo Santoso, PT. Saripari Pertiwi Abadi

Registration Subcommittee

Kukuh Apriyanto Yudusudatyo, PT. Bernamas
Multilaksana Cipta
Ade Aznam, Star Energy
Gamal Karim, PT. Corelab Indonesia

Publicity Subcommittee

Amir Hamzah, BPMIGAS
Dita Dwityawarman, CNOOC SES Ltd.
Ramdan H., BPMIGAS

Membership Subcommittee

Desvita M. Widyas, PT. Technip Indonesia

Student Paper Contest Subcommittee

Ratnayu Sitaesmi, Trisakti University
Reza Iskandar, Halliburton
M. Syuhada, Chevron
H. Wahyu Wihyangsa, CNOOC SES Ltd

Conference Dinner Subcommittee

Eri Sistiana, PT. Chevron Pacific Indonesia
Lia Kusumawardhani, Marathon Oil

Golf Subcommittee

Suryaman Adiwinata, Elnusa Bangkanai Energy Ltd.
Priyandaru Effendi, Star Energy Ltd.

TECHNICAL PROGRAMME COMMITTEE

Gde Pradnyana, BPMIGAS, Technical Programme Committee Chairman
David McCullough, Star Energy, Technical Programme Committee Vice-Chairman

Laurent Alessio, Carigali-Shell Mutiara Petroleum
Salis Aprilian, Mobil Cepu Ltd.
Ahmed Badruzzaman, Chevron Energy Technology Co.
Wisup Bae, Sejong U.
Nasir Bagis, PT. Chevron Pacific Indonesia
Doug Bowling, PT. Chevron Pacific Indonesia
David A. Castillo, GeoMechanics Intl., Inc.
Jiecheng Cheng, Daqing Oilfield Co. Ltd.
Jonggeun Choe, Seoul Natl. U.
Kaustubh Dighe, Transocean Offshore Drilling
Karl Dominik, OMV E&P
Sammy Haddad, Schlumberger
Bambang Ismanto, VICO Indonesia
Bambang Istadi, Lapindo Brantas, Inc.
Shiblee Kamal, Aker Kvaerner Geo AS
Hazli Sham B. Kassim, Petronas Carigali Sdn. Bhd.
Kevin Lay, Advanced Well Technologies
Eko Lumadyo, Santos Asia Pacific Pty. Ltd.

Juan Carlos Mantecon, Scandpower Petroleum Technology
John Marcou, Kodeco Energy Co., Ltd.
Partha P. Mitra, Cairn India
A. Marouf Mohamed, Egyptian Petroleum Consultants
Prabodh Pathak, ExxonMobil Oil Indonesia Inc.
Nasir Rahman, PETRONAS
Shigeru Saito, INPEX Corp.
Nobuyuki Samizo, Arabian Oil Co. Ltd.
Fernando Samaniego-Verduzco, PEMEX
Sandeep Sarma, Schlumberger
Thad Scott, Weatherford Asia Pacific Pte. Ltd.
Unggul Setyamoko, VICO Indonesia
Darius Shamsavari, IPR Group of Companies
Deden Supriyatman, TOTAL E&P Indonesia
Gunawan Sutadiwiria, BPMIGAS
Kuswo Wahyono, BPMIGAS
Bailin Wu, CSIRO Petroleum
Shiyi Zheng, Heriot-Watt U.



SCHEDULE OF EVENTS

All functions, unless otherwise specified, are scheduled at the Jakarta Convention Centre.

Saturday, 27 October

1900 hours **Shrimp Boil** *To be advised*

Sunday, 28 October

0700 hours **Golf Tournament** *Emeralda Golf Course*
1200-1800 hours **Exhibit Move-in** *Main Lobby*

Monday, 29 October

0800-0830 hours **Registration – Young Professionals Workshop** *Merak Room Foyer*
0830-1400 hours **Young Professionals Workshop** *Merak Room*
0800-1730 hours **SPE Petroleum Professional Certification Exam** *Nuri Room 1*
0900-1800 hours **Exhibit Move-In** *Main Lobby*
1500-1700 hours **Asia Pacific Regional Section Officers' Conference** *Murai Room*
1500-1800 hours **Speaker/Author Check-in** *Kakatua Room*
1500-1800 hours **Speaker Preparation/AV Check Room** *Kenari Room*
1500-1800 hours **Registration** *Outside Entrance Foyer*

Tuesday, 30 October

0730-0830 hours **Author/Session Chairperson Breakfast Meeting** *Nuri Room 1*
0730-1700 hours **Speaker/Author Check-In** *Kakatua Room*
0730-1700 hours **Speaker Preparation/AV Check Room** *Kenari Room*
0730-1730 hours **Registration** *Outside Entrance Foyer*
0930-1730 hours **Exhibition** *Main Lobby*
0900-1000 hours **Opening Ceremony** *Assembly Hall 3*
0900-1730 hours **Poster Display** *Main Lobby*
1000-1030 hours **Coffee Break** *Exhibit Area*
1030-1215 hours **Keynote Session** *Assembly Hall 3*
1215-1400 hours **Topical Luncheon** *Assembly Hall 2*
1400-1600 hours **Panel Session "Are We Running Out of Petroleum Professionals? What Should the Industry Do?"** *Merak Room 1*
1400-1600 hours **Technical Sessions**
Session 1: Formation Evaluation I *Merak Room 2*
Session 2: IOR/EOR I *Merak Room 3*
1400-1730 hours **SPE Asia Pacific Regional Student Paper Contest** *Murai Room*
1600-1730 hours **Welcome Reception** *Main Lobby*

Wednesday, 31 October

0700-0800 hours **Author/Session Chairperson Breakfast Meeting** *Nuri Room 1*
0730-1700 hours **Speaker/Author Check-In** *Kakatua Room*
0730-1700 hours **Speaker Preparation/AV Check Room** *Kenari Room*
0800-1730 hours **Registration** *Outside Entrance Foyer*
0830-1000 hours **Technical Sessions**
Session 3: Reservoir Engineering I *Merak Room 1*
Session 4: Formation Evaluation II *Merak Room 2*
Session 5: Extended Reach, Horizontal & Multilaterals *Merak Room 3*
0830-1230 hours **Education Day** *Nuri Room 1*
0830-1730 hours **Exhibition** *Main Lobby*
0830-1730 hours **Poster Display** *Main Lobby*
1000-1030 hours **Coffee Break** *Main Lobby*
1030-1230 hours **Panel Session "Challenges in Satisfying the Future Oil & Gas Demand"** *Merak Room 1*
1030-1230 hours **Technical Sessions**
Session 6: Reservoir Management *Merak Room 2*
Session 7: IOR/EOR II *Merak Room 3*
1230-1400 hours **Topical Luncheon** *Assembly Hall 2*
1400-1500 hours **Presentation on Writing a Paper Proposal for an SPE Meeting and the SPE Paper Proposal and Manuscript Management System** *Murai Room*



| | | |
|-----------------|--|---|
| 1400-1630 hours | Technical Sessions Session 8: Reservoir Engineering II Session 9: Drilling Technology Session 10: Production Optimisation | <i>Merak Room 1</i> <i>Merak Room 2</i> <i>Merak Room 3</i> |
| 1630-1730 hours | Session 11: Poster Session/Refreshments | <i>Exhibit Area</i> |
| 1900 hours | Conference Dinner | <i>Golden Ballroom, Sultan Hotel</i> |

Thursday, 1 November

| | | |
|-----------------|--|--|
| 0700-0800 hours | Author/Session Chairperson Breakfast Meeting | <i>Nuri Room 1</i> |
| 0730-1400 hours | Speaker/Author Check-In | <i>Kakatua Room</i> |
| 0730-1400 hours | Speaker Preparation/AV Check Room | <i>Kenari Room</i> |
| 0800-1630 hours | Registration | <i>Outside Entrance Foyer</i> |
| 0830-1030 hours | Technical Sessions Session 12: Case Studies Session 13: Field Development Session 14: Completion Technology Session 15: Reservoir Engineering III | <i>Merak Room 1</i> <i>Merak Room 2</i> <i>Merak Room 3</i> <i>Murai Room</i> |
| 0830-1630 hours | Exhibition | <i>Main Lobby</i> |
| 1030-1100 hours | Coffee Break | <i>Exhibit Area</i> |
| 1100-1300 hours | Plenary Session "Opportunities Arising from High Oil Price" | <i>Merak Room</i> |
| 1300-1430 hours | Topical Luncheon | <i>Assembly Hall 2</i> |
| 1430-1630 hours | Technical Sessions Session 16: Overarching Industry Issues Session 17: Gas Session 18: Emerging & Unconventional Resources | <i>Merak Room 1</i> <i>Merak Room 2</i> <i>Merak Room 3</i> |
| 1630-2000 hours | Exhibit Move-Out | <i>Main Lobby</i> |

PETROLEUM PROFESSIONAL CERTIFICATION

Associations, societies and professions offer voluntary certification programmes to their members to bring increased recognition of the recipient's high professional standards and commitment to the profession. For the petroleum industry, the environmental and consumer era of the past few decades have given the public greater awareness of pollution, energy, and the need for a high level of industry professionalism. The SPE Petroleum Professional Certification Programme requires that applicants demonstrate a minimum level of technical knowledge to be certified.

Why Consider Certification?

There are several reasons to consider becoming an SPE Certified Petroleum Professional, even if it is not required by your employer:

1. Public and professional recognition of compliance with the standards established by SPE for the Petroleum Professional.
2. Self-satisfaction of complying with the spirit of the certification on a voluntary basis to demonstrate one's commitment to the profession.
3. Recognition of your technical knowledge from your peers.

The SPE Petroleum Professional Certification offers individuals in those countries an opportunity to demonstrate their professional and technical knowledge.

SPE Petroleum Professional Certification Exam
Monday, 29 October 2007
Asia Pacific Oil & Gas Conference and Exhibition
Jakarta, Indonesia

For registration information, contact Zoe Scott at;
E-mail: zscott@spe.org; Tel: 60.3.2288.1233; Fax: 60.3.2282.1220



SPONSORING ORGANISATIONS



The Society of Petroleum Engineers (SPE) is a not-for-profit professional association whose members are engaged in energy resources development and production. SPE serves 73,000-plus members from more than 112 countries worldwide.

SPE is a key resource for technical knowledge related to the oil and gas exploration and production industry and provides services through its publications, conferences, workshops, forums, and Web site at www.spe.org.



The Society of Indonesian Petroleum Engineers (IATMI) is a professional organisation. It is a vehicle for its members in every sector of the oil and gas industry to further its quest in advancing the development of education and training and initiating research projects. Another important role of IATMI is to complement and provide valuable information to the government. In all of IATMI's activities, IATMI seeks assistance and cooperation with other professional organisations nationally or internationally. IATMI's head office is in Jakarta. At present its membership of almost 2,400 professionals spread throughout the nation in several districts (known as Komisariat) and representatives overseas.

2007 SPE PRESIDENT



Abdul Jaleel Al-Khalifa, Saudi Aramco, currently serves as Manager of Reservoir Description and Simulation in Saudi Aramco's headquarters in Dhahran, Saudi Arabia. Before this assignment, he was Manager of Characterisation-Exploration, served as Assistant to the Vice President of Petroleum Engineering and Development, and he has held several division

head assignments in the Reservoir Management and Simulation departments. Al-Khalifa won first place in the SPE Western Region Student Paper Contest in 1987 and since has authored and coauthored numerous papers, articles, and presentations. In 1998-99, he served as an SPE Distinguished Lecturer on "Reservoir Management of Giant Oil Fields in Saudi Arabia." In 1999, he received the SPE Middle East Regional Service Award, and in 2001, he was named an SPE Distinguished Member.

Since joining the Society in 1988, Al-Khalifa's participation in, and support for, SPE covers a wide spectrum. He was the 2005 Chairperson of the Board Committee on Technical Programs and Meetings. He also served as the 2005 Chairperson of the Society's International Petroleum Technology Conference (IPTC). In addition to chairing the Board Committee on Technical Programs and Meetings in 2004 and 2005, Al-Khalifa was Director of the SPE Saudi Arabia Section during 1993-97, Technical Editor of SPE Formation Evaluation during 1991-92, and Chairperson of the SPE Annual Technical Symposium in Saudi Arabia during 1990-92. He also served as Technical Editor of the Arabian Journal of Science and Engineering during 1993-94.

Al-Khalifa earned BS and MS degrees from King Fahd U. of Petroleum and Minerals, Saudi Arabia, and a PhD degree in petroleum engineering from Stanford U.

2007 IATMI PRESIDENT



Kuswo Wahyono, currently serves as Senior Vice President Exploitation, BPMIGAS. He graduated from the Institute of Technology Bandung in petroleum engineering, and then pursued an Industrial Business Management (Magister Management) at the Gajah Mada U. in Yogyakarta. He also took a course on Petroleum Engineering Aspects in IFP Paris.

Wahyono joined Pertamina in 1982, and in 1983-86 was assigned to work with Lemigas team at the Duri Steam Floor Study, followed by Minas Reservoir Study in both Indonesia and the U.S. From 1988-92 he was in field operations in West Java, and in 1993-96 was with PSC JOB Pertamina-Talisman in South Sumatra. Wahyono was Reservoir and Production Manager with Pertamina from 1996-99 following which he was transferred to BPPKA, then under Pertamina, looking after project economics. He was tasked with managing Pertamina's exploitation covering all regions in Indonesia from 2000-02.

His joined BPMIGAS in 2002, leading the Field Operations Division until he was re-installed to lead the Exploitation Division in his current position.



OPENING CEREMONY

Tuesday, 30 October • 0900-1000 hours • Assembly Hall 3



Purnomo
Yusgiantoro



Kardaya
Warnika



Abdul Jaleel
Al-Khalifa



Trijana
Kartoatmodjo



Kuswo
Wahyono

H.E. Dr. Purnomo Yusgiantoro, Minister of Energy and Mineral Resources;
Kardaya Warnika, Chairman, Government Executive Agency for Upstream Oil and Gas Business Activities (BPMIGAS);
Abdul Jaleel Al-Khalifa, 2007 SPE President and Manager, Reservoir Description and Simulation, Saudi Aramco;
Kuswo Wahyono, 2007 IATMI President and Senior Vice President, Exploitation, BPMIGAS; and
R. S. Trijana Kartoatmodjo, 2007 APOGCE General Chairman and former Vice Chairman, BPMIGAS, will open the conference and exhibition at the Tuesday, 30 October Opening Ceremony.

Attendance at this event will include senior management from major petroleum related companies, representatives from government ministries and departments; and engineering and technical industry professionals.

KEYNOTE SESSION

Tuesday, 30 October • 1030-1215 hours • Assembly Hall 3



Kardaya Warnika
Chairman
Government Executive Agency
for Upstream Oil & Gas Activities
(BPMIGAS)



Khaled A. Al-Buraik
Chief Petroleum Engineer
Petroleum Engineering
Saudi Aramco



David Lesar
Chairman, President and CEO
Halliburton



Ramlan Malek
Vice President, E&P Business
PETRONAS

TOPICAL LUNCHEONS

Tuesday, 30 October • 1215-1400 hours
Assembly Hall 2



Keith R. Morley
Corporate Senior Vice President
Weatherford International Ltd.

Thursday, 1 November • 1300-1430 hours
Assembly Hall 2



L. William Abel
President
ABEL Engineering/Well Control Co.

Wednesday, 31 October • 1230-1400 hours
Assembly Hall 2

Senior Representation from Japan Bank for International Corporation



PANEL SESSIONS

Tuesday, 30 October • 1400-1600 hours • Merak Room 1

PANEL SESSION: ARE WE RUNNING OUT OF PETROLEUM PROFESSIONALS? WHAT SHOULD THE INDUSTRY DO?



Abdassah



Al-Khalifa



Edmunson



Manullang



**Datuk Dr.
Rosti**



Utomo

The effect of increasing the oil price will increase tremendously activities in oil and gas industry. The needs of experienced petroleum professionals are increasing in industry. The current boom in worldwide E&P activity combined with the industry's poor record during last decade in recruiting and training professionals has led to today's acute shortage of oilfield skills. We are faced with severe challenges in every phase of developing petroleum professionals: from encouraging young people to seek out an E&P career, to supporting university departments offering petroleum related courses and degrees, to developing more and better training within E&P companies, to managing the competition between companies for the limited reservoir of experience professionals, limited mature petroleum professional engineer and any possible effort to solve the above issues from industry. This session will hear from a distinguished panel on this topic and invite debate from the floor.

Moderator: Henry Edmundson, Schlumberger

Panelists:

Doddy Abdassah, Professor, Inst. of Technology Bandung

Abdul Jaleel Al-Khalifa, 2007 SPE President and Manager, Reservoir Description and Simulation, Saudi Aramco

M.H. Manullang, HR Manager, VICO Indonesia

Datuk Dr. Rosti Saruwono, Vice President, Training and Education, PETRONAS

Gregorius S. Utomo, Senior Coordinator, Chevron Indonesia Co.

Wednesday, 31 October • 1030-1230 hours • Merak Room 1

PANEL SESSION: CHALLENGES IN SATISFYING THE FUTURE OIL & GAS DEMAND



Al-Buraik



Dunderdale

Oil is a finite energy resource and the demand for energy, including, oil will continue to increase in the future. Our ability to satisfy this demand will become increasingly difficult and poses many challenges across many facets of the energy supply chain. As a global community, we must address issues relating to oil demand, as well as oil supply, to enable a smooth transition from oil dependency for energy without impeding economic growth. Such issues include energy use efficiency, oil substitution including other fossil fuels, unconventional hydrocarbons and renewable energy, and enhanced exploration and development technologies. All of these technologies are influenced by geo-political forces within an environment of social responsibility set by our communities, including climate change, pollution, public safety and environmental conservation. Regardless of energy policy direction and fashion, the supply of appropriately trained and experienced human resources will be a major factor in maintaining a stable energy market and therefore a "sustainable" oil industry. Representatives from operators, service companies and academia will offer their point of view and entertain questions from the audience during this session on an issue that is growing within our industry.

Panelists:

Khaled A. Al-Buraik, Chief Petroleum Engineer, Petroleum Engineering, Saudi Aramco

Ian Dunderdale, Managing Director, Harrison Lovegrove Sdn. Bhd.

Tri Siwindono, President Director, Pertamina EP (to be invited)





Riddle



Tiffen

High oil prices are a big benefit to the petroleum industry with high corporate profit margins, ever-increasing stock prices, the influx of additional capital into the industry, and a greater interest in the younger generation to study petroleum-related academic disciplines and re-invigorate the industry. But high oil prices also make alternative energy technologies such as solar and nuclear more competitive. What type of technologies will shape the future - petroleum technologies such as deepwater production, enhanced oil recovery and smart fields - or does the future belong to renewable sources such as bio-fuels, wind-farms and solar? Can the petroleum industry reduce the cycle time for the development and application of new technologies? Is the industry doing enough high-risk, high-return research on emerging technologies or are we focusing on near-term marginal improvements to existing technologies? Can the petroleum industry reduce the costs of new technologies to remain competitive in the long run or will the new renewables keep gaining market share? What will be the role of national oil companies in the new high price world? Can the large multinational companies compete with national oil companies who are willing to undertake developments that may have lower economic returns but provide better social benefits? This panel will present some thought-provoking insights into these questions with an international panel of experts from the major oil companies and service companies.

Speakers:

Suwito Anggoro, President Director, PT. Chevron Pacific Indonesia (*Invited*)

Gopalan K. Papachan, General Manager, New Business Development (Commercial) Asia Pacific, Shell E&P

Al Riddle, Director of Technology, Baker Hughes Inc.

Martin Tiffen, Vice President, Business Development, TOTAL



Society of Petroleum Engineers

Petroleum Professional Certification Program

The SPE certification program is designed to provide E&P professionals an opportunity to

- Validate technical knowledge and skills
- Show a commitment to professionalism
- Obtain a recognized credential
- Achieve employer and peer recognition

Register now for the exam and download the exam study guide at www.spe.org/certification.

Become an SPE certified petroleum professional!

| Exam Date | Contact Information |
|--|--|
| Monday, 29 October 2007 Asia Pacific Oil and Gas Conference and Exhibition Jakarta Convention Center Jakarta, Indonesia <small>*SPE members in Indonesia are encouraged to also participate in the certification program provided by IATMI</small> | Zoe Scott Email: zscott@spe.org Tel: 60.3.2288.1233 Fax: 60.3.2282.1220 |

The exam will be subject to cancellation in the event that insufficient registrations are received by 15 October 2007. Registrants for the exam will be notified on or after 15 October 2007.



SPE ASIA PACIFIC REGIONAL AWARDS

Recognition of significant technical and professional contributions is a hallmark of SPE. In appreciation and to acknowledge exceptional contributions by members, awards will be presented by the 2007 SPE President, Mr. Abdul Jaleel Al Khalifa, to the 2006 SPE Regional Award recipients. Presentations will be made in conjunction with the Tuesday topical luncheon to the recipients of the Regional Service Award, the Regional Technical Award and the Regional Outstanding Young Member Award.

Regional Service Award

The award acknowledges exceptional contributions to the Society of Petroleum Engineers at the section or regional level and recognises singular devotion of time and effort to the programmes and development of the member's Section and Region that set it apart from the services rendered each year by many members of the Society.

Northern Asia Pacific Region



Dan Bailie

Executive Vice President Operations
ConocoPhillips China Inc.

In recognition of his commitment and ongoing involvement in the Society's activities, including service as Northern China International Section Chairman, and his efforts in student chapter establishment and membership development.



Keith Steel

Consultant Drilling Fluids Advisor

For his dedication and contributions to the Singapore Section for over 12 years as treasurer, membership chairman, programme chairman, and section chairman.



Yuan Shiyi

Director-General, Science and Technology
Department
PetroChina Co. Ltd.

For his valuable service and continuing commitment in furthering the Society's mission in China, particularly in the advancement of dissemination of technical information through his work on numerous conference programme committees.

Southern Asia Pacific Region



Gandung Atmadji

Commissioner
PT. Pulau Kencana Raya

In recognition of over 23 years of distinguished service and leadership in many roles, particularly in the Asia Pacific Oil & Gas Conference and Exhibition; and devotion to promoting the Society's programmes to other professional societies in Indonesia.



Rod Bresnehan

Manager, Engineering and Commercial
Innamincka Petroleum Pty. Ltd.

For his outstanding contributions to the Society and the petroleum industry in Australia, particularly in his participation in establishing the first section in Australia and his long service as a member of the Australia/New Zealand/Papua New Guinea Council.



David McCullough

Senior Reservoir Engineering Advisor
PT. Star Energy

In recognition of his contributions and support in promoting the Society's programmes, including his service as SPE Director, Southern Asia Pacific Region, and in advancing development of petrotechnical and young professionals groups.

Regional Technical Award

The award acknowledges exceptional contributions to the Society of Petroleum Engineers at the section or regional level and recognise singular devotion of time and effort to the programmes and development of technical expertise in one of the following six disciplines: Drilling and Completions; Reservoir Description and Dynamics; Production and Operations; Facilities and Construction; Health, Safety, Security, Environment and Social Responsibility; and Management and Information.

Northern Asia Pacific Region



Production and Operations

Liu He

Vice General Engineer
Daqing Oilfield Company Ltd.





Reservoir Description and Dynamics

Wang Demin

Deputy Director
Daqing Oilfield Co. Ltd.

Regional Outstanding Young Member Award

The award recognises contributions and leadership to the public and the community, with respect to local custom, as well as to the Society, the profession of petroleum engineering, or the petroleum industry within the region.

Northern Asia Pacific Region



Zamri Abdul Ghapor

Senior Reservoir Engineer
ExxonMobil Exploration and Production
Malaysia Inc.

Southern Asia Pacific Region



Romi Branajaya

Reservoir Engineer
Santos Ltd.

EXHIBITION

The Technical Exhibition will include an international cross section of operating, service and supply companies, national and international oil companies providing opportunities to learn about new projects, products and improvements to existing technologies, and opportunities to make new contacts.

A Welcome Reception, Poster Session Reception and daily coffee/tea breaks will take place within the exhibit area.

Each booth (9m²) is priced at US\$4,185 (space only) and US\$4,455 (stand package). If you would like information on exhibiting at the 2007 APOGCE, please contact the following individuals:

Exhibit Co-Chairpersons

Herry Wibiksana (herry.wibiksaba@conocophillips.com)

Karen Agustawan (karen_a@pertamina.com)

Lia Kusumawardhan (liakusuma@marathonoil.com)

Maria R. Nellia (maria.nellia@eniindonesia.co.id)

Tanu Wijaya (tanu@imeco.co.id)

or Gregg Parker, SPE Project Manager, SPE Asia Pacific Office (Kuala Lumpur), Tel: 60.3.2288.1233, Fax: 60.3.2282.1220, E-mail gparker@spe.org , or spekl@spe.org

Exhibiting Companies

(Additions after 6 July will be reflected in the on-site programme)

Advance Well Technologies

AGR Asia Pacific

Baker Hughes Indonesia, PT

Clariant Indonesia, PT

Chevron Pacific Indonesia, PT

ConocoPhillips

Cudd Well Control

Erraenersi Konstruksindo, PT.

GeoMechanics International

Halliburton

IDM International

Kota Minyak Automation, PT.

National Oilwell Varco

Negus Expo International

Palisade Asia-Pacific Pty. Ltd.

PetroChina International Companies in Indonesia

PETRONAS

Pioneer Petrotech Services Inc.

Pitman Nusantara, PT.

Premier Oil

Pumpa Cakrawala Mulia, PT.

Rhodia Asia Pacific Pte. Ltd.

Schlumberger

SPT Group (PT. Danan Wingus Sakti)

Technip Geoproduction (M) Sdn Bhd

Total E&P Indonesie

Tyco Safety Products

Weatherford Intl. Ltd.

WellDynamics

Welltec Oilfield Services

VISIT THE POSTER SESSION

FOR ONE TO ONE INTERACTION
AND TECHNICAL EXCHANGE
WITH THE POSTER AUTHORS

Main Lobby
1630-1730 hours
Wednesday, 30 October

Posters will be on display
throughout the conference.



YOUNG PROFESSIONALS WORKSHOP

Monday, 29 October • 0830-1400 hours • Merak Room

Sponsored By:



PACIFIC OIL & GAS

The Young Professionals Workshop is designed for young professionals in the oil and gas industry under the age of 35 years with less than 10 years industry experience in any technical discipline. Industry executives and young professionals will have the opportunity to engage in discussions about the future directions for young professionals in the oil and gas industry, and to address issues of importance to them.

Speakers include:

- **Abdul Jaleel Al-Khalifa**, 2007 SPE President
- **Zamri Abdul Ghapor**, Senior Reservoir Engineer, ExxonMobil Exploration & Production Malaysia Inc. and 2006 SPE Northern Asia Pacific Regional Outstanding Young Member Award Recipient
- **Geoff Barker**, Partner, RISC Pty. Ltd.
- **Romi Branajaya**, Reservoir Engineer, Santos Ltd. and 2006 SPE Southern Asia Pacific Regional Outstanding Young Member Award Recipient
- **Fauzi Imron**, General Manager, MEDCO MOECO Langsa Ltd.
- **Dudung A.R. Natanegara**, President Director, PT. Pacific Oil & Gas Indonesia
- **Senior Representative** from BP, BPMIGAS, Chevron, PT Pertamina or Total (to be invited)

For further information, please contact the Workshop Coordinator Robert Tjandra, Tel: 62.21.4585.0020; Fax: 62.21.4585.7273, E-mail: rtj@otoma.co.id; or Zoe Scott, SPE Member Services Coordinator, Tel: 60.3.2288.1233, Fax: 60.3.2282.1220, E-mail: zscott@spe.org.

SPE ASIA PACIFIC REGIONAL STUDENT PAPER CONTEST

Tuesday, 30 October • 1400-1730 hours • Murai Room

The SPE Regional Student Paper Contest will be held on Tuesday, 30 October 2007, and prizes will be awarded at the Wednesday luncheon. Prizes include an invitation to present at the 2008 SPE Annual Technical Conference and Exhibition in Denver, Colorado, U.S.A. Five (5) entries from Undergraduates representing four (4) academic institutions from four (4) countries; and five (5) entries from Postgraduates representing three (3) academic institutions and two (2) countries have been received to compete in this contest. Conference delegates are encouraged to attend the presentations.

Organising Chairperson: Ratnayu Sitaesmi, Trisakti University

Committee Member: Reza Iskandar, Halliburton

M. Syuhada, Chevron

H. Wahyu Wihyangsa, CNOOC SES Ltd.

EDUCATION DAY

Wednesday, 31 October • 0830-1230 hours • Nuri Room 1

Sponsored By:



The Education Day is an initiative to introduce students to the discipline of petroleum engineering, and the industry in general. 50 high school students with keen interest in science who may consider majoring in petroleum and related engineering programmes when they enter university, will be invited to attend each day.

Industry professionals will be invited to share their experience with students and deliver talks on topics of general interest and relevance to the industry. The students will be given free access to the exhibition area. They will be able to see first hand the high end technology used by engineers and the sophisticated software available for solving many engineering problems. It is hoped that they will leave the conference with a better understanding of what petroleum engineers do and their role in the broader community. Equally important, they will also become aware that a petroleum engineering career is full of challenges, teamwork and responsibilities.

For further information, please contact the Education Day Coordinator Hari K. Oetomo, Tel: 62.21.5794.5300, Fax: 62.21.529.3210, E-mail: hari.oetomo@petrochina.co.id; or Zoe Scott, SPE Member Services Coordinator, Tel: 60.3.2288.1233, Fax: 60.3.2282.1220, E-mail: zscott@spe.org.



SPONSORSHIP OPPORTUNITIES

The Asia Pacific Oil & Gas Conference & Exhibition offers a wealth of sponsorship prospects for organisations keen to market and promote their products and services to a truly international delegation. Sponsorship opportunities are still available which offer measurable return on investment and reaffirm your organisation's commitment to this prestigious conference and the development of technical excellence.













All monies raised contribute to running the conference and toward SPE's and IATMI's mission of exchanging technical knowledge concerning the exploration, development and production of oil and gas resources, and related technologies for the public benefit; and to provide opportunities for professionals to enhance their technical and professional competence.

Sponsorship opportunities range from a minimum of US\$1,000 which includes recognition in the conference programme and onsite at the event. For further information please contact SPE Project Manager, Gregg Parker, Tel: 60.3.2288.1220, Fax: 60.3.2282.1220 or via Email at gparker@spe.org

CONFERENCE SPONSORS

Additions after 6 July 2007 will be reflected in the On-Site Conference Programme

The Society of Petroleum Engineers (SPE) and the Society of Indonesia Petroleum Engineers (IATMI) wish to gratefully acknowledge the contribution and support of the following companies.

| | |
|--|--|
|  <p>Welcome Banner</p> |  <p>Education Day</p> |
|  <p>Co-Sponsor: CD-Rom Proceedings</p> |  <p>Morning Coffee/Tea Break, 30 October</p> |
|  <p>Author Gifts</p> |  <p>Directional Signage</p> |
|  <p>Silver Sponsorship</p> |  <p>Young Professionals Workshop</p> |
|  <p>Co-Sponsor: CD-Rom Proceedings</p> |  <p>Writing Notepads and Pens</p> |
|  <p>Conference Programme</p> |  <p>Lanyards</p> |



SESSION GRID

| | Merak Room 1 | Merak Room 2 | Merak Room 3 |
|------------------------------|--|---|--|
| Tuesday, 30 October | | | |
| 0900-1000 hours | Opening Ceremony – Assembly Hall 3 | | |
| 1000-1030 hours | Coffee Break – Main Lobby | | |
| 1030-1215 hours | Keynote Session – Assembly Hall 3 | | |
| 1215-1400 hours | Luncheon – Assembly Hall 2 | | |
| 1400-1600 hours | Panel Session Are We Running Out of Petroleum Professionals? What Should the Industry Do? | Session 1 Formation Evaluation I | Session 2 IOR/EOR I |
| 1400-1730 hours | Regional Student Paper Contest – Murai Room | | |
| Wednesday, 31 October | | | |
| 0830-1000 hours | Session 3 Reservoir Engineering I | Session 4 Formation Evaluation II | Session 5 Extended Reach, Horizontal and Multilaterals |
| 1000-1030 hours | Coffee Break – Main Lobby | | |
| 1030-1230 hours | Panel Session Challenges in Satisfying the Future Oil & Gas Demand | Session 6 Reservoir Management | Session 7 IOR/EOR II |
| 1230-1400 hours | Luncheon – Assembly Hall 2 | | |
| 1400-1500 hours | Presentation on Writing a Paper Proposal for an SPE Meeting and the SPE Paper Proposal and Manuscript Management System – Murai Room | | |
| 1400-1630 hours | Session 8 Reservoir Engineering II | Session 9 Drilling Technology | Session 10 Production Optimisation |
| 1630-1730 hours | Session 11: Poster Session – Exhibit Area | | |
| 1900 hours | Conference Dinner – Sultan Hotel | | |
| Thursday, 1 November | | | |
| 0830-1030 hours | Session 12 Case Studies | Session 13 Field Development | Session 14 Completion Technology |
| | | | Session 15 Reservoir Engineering III (Murai Room) |
| 1030-1100 hours | Coffee Break – Main Lobby | | |
| 1100-1300 hours | Plenary Session Opportunities Arising from High Oil Price – Merak Room | | |
| 1300-1430 hours | Luncheon – Assembly Hall 2 | | |
| 1430-1630 hours | Session 16 Overarching Industry Issues (HSE, HR, IT) | Session 17 Gas | Session 18 Emerging and Unconventional Resources |



TECHNICAL PROGRAMME

Changes/additions after 6 July 2007 will be reflected in the on-site programme

Tuesday, 30 October • 0900-1000 hours

Assembly Hall 3

OPENING CEREMONY

- **Welcoming Address: R.S. Trijana Kartoatmodjo**, 2007 APOGCE General Chairman and former Vice Chairman, Government Executive Agency for Upstream Oil & Gas Business Activities (BPMIGAS)
- **Abdul Jaleel Al-Khalifa**, 2007 SPE President and Manager, Reservoir Description and Simulation, Saudi Aramco
- **Official Opening • H.E. Dr. Purnomo Yusgiantoro**, Minister of Energy and Mineral Resources; accompanied by **R.S. Trijana Kartoatmodjo; Abdul Jaleel Al-Khalifa; Kardaya Warnika**, Chairman, BPMIGAS; and **Kuswo Wahyono**, 2007 IATMI President and Senior Vice President, Exploitation, BPMIGAS
- Ribbon cutting and VIP Tour of the Exhibition

Tuesday, 30 October • 1030-1215 hours

Assembly Hall 3

KEYNOTE SESSION

- **Kardaya Warnika**, Chairman, BPMIGAS
- **David Lesar**, Chairman, President and CEO, Halliburton
- **Khaled A. Al-Buraik**, Chief Petroleum Engineer, Petroleum Engineering, Saudi Aramco
- **Ramlan Malek**, Vice President, E&P Business, PETRONAS

Tuesday, 30 October • 1400-1600 hours

Merak Room 1

PANEL SESSION: ARE WE RUNNING OUT OF PETROLEUM PROFESSIONALS? WHAT SHOULD THE INDUSTRY DO?

Session Chairperson:

Gunawan Sutadiwara, BPMIGAS

Session Moderator:

Henry Edmundson, Schlumberger

Panelists:

Doddy Abdassah, Professor, Inst. of Technology Bandung

Abdul Jaleel Al-Khalifa, 2007 SPE President and Manager, Reservoir Description and Simulation, Saudi Aramco

M.H. Manullang, HR Manager, VICO Indonesia

Datuk Dr. Rosti Saruwono, Vice President, Training and Education, PETRONAS

Gregorius S. Utomo, Senior Coordinator, Chevron Indonesia Co.

Tuesday, 30 October • 1400-1600 hours

Merak Room 2

SESSION 1: FORMATION EVALUATION I

Session Chairpersons:




Laurent Alessio, Carigali-Shell Mutiara Petroleum

Bambang Istadi, Lapindo Brantas, Inc.

SPE

- 109204 Downhole Fluid Analysis and Sampling Establishes Compositional Gradient in a Deep Water Gas-Condensate Reservoir**
B. Ghosh, D. Kundu, S. Joshi, Schlumberger; D.H. Zope, B. Deka, M.K. Gupta and N. Mehrotra, Reliance Industries
- 110098 Is Accurate Gas Saturation Behind Pipe Feasible with PNC Measurements?**
A. Badruzzaman, J.P. Logan, Jr., C. Platt, A. Adeyemo, C. Bean, J. Crowe, Chevron; and T.A. Zalan, PT. Chevron Pacific Indonesia
- 106627 Better Porosity Estimate of Gas Sandstone Reservoirs using Density and NMR Logging Data**
G.M. Hamada, King Fahd U. of Petroleum & Minerals; and M.A. Abushanab, BAPETCO
- 110926 Updating the Geomechanical Model and Calibrating Pore Pressure from 3D Seismic Using Data from the Gnu-1 Well, Dampier Sub-Basin, Australia**
A. White, D.A. Castillo, J. Trotta, M. Magee, C.D. Ward, GeoMechanics Intl. Inc.; B. McIntyre and P. O'Shea, Apache Energy

Alternates

-  **110277 Enhanced Reservoir Description in Iran using OBMI and XPT**
Z. Movahed and P. Jeffreys, Schlumberger
-  **110730 Porosity, Permeability, and MHR Calculations Using SEM and Thin-Section Images for Characterising Complex Mauddud-Burgan Carbonate Reservoir**
W.H. Al-Bazzaz and Y. Al-Mehanna, Kuwait Inst. for Scientific Research
-  **108451 Study on Productivity Evaluation and Performance Prediction Method of Overpressured, Stress-Sensitive Gas Reservoirs**
H. Sun, Langfang Branch of RIPED

Tuesday, 30 October • 1400-1600 hours

Merak Room 3

SESSION 2: IOR/EOR I

Session Chairpersons:

David A. Castillo, GeoMechanics Intl., Inc.

Jiecheng Cheng, Daqing Oilfield Co. Ltd.



SPE

- 110374 Physical Simulation of In-Situ Combustion of Sensitive Heavy Oil Reservoir**
S. Wu, G. Wenlong, PetroChina; and W. Shihu, SINOPEC
- 109906 Challenges in Workover Operations During In-Situ Combustion Process in India - A Field Study**
S.K. Chattopadhyay and R. Bhattacharya, Oil & Natural Gas Corp.



- 109220 Planning for Regional EOR Pilot for Baram Delta, Offshore Sarawak, Malaysia: Case Study, Lesson Learnt and Way Forward**
N.B. Darman, S. Sudirman, and Y. Samsudin, PETRONAS
- 110306 Reservoir Flow Simulation Using Combined Vorticity-based Gridding and Multi-Scale Upscaling**
H. Mahani, B. Firoozabadi, and M. Ashjari, Sharif U. of Technology

Alternates

-  **109228 Effect of the Visco-elasticity of Displacing Fluids on the Relationship of Capillary Number and Displacement Efficiency in Weak Oil-Wet Cores**
H. Xia, W. Wu, Daqing Petroleum Inst.; D. Wang and H. Jiang, Daqing Oilfield Co. Ltd.
-  **110265 Advanced Technology for Rapid Minimum Miscibility Pressure Determination (A Proven Method)**
W. Adyani, PETRONAS

Tuesday, 30 October 2007 • 1400-1730 hours

Murai Room

SPE ASIA PACIFIC REGIONAL STUDENT PAPER CONTEST

Organising Chairperson:

Ratnayu Sitaresmi, Trisakti U.

Organising Committee:

Reza Iskandar, Halliburton

M. Syuhada, Chevron

H. Wahyu Wihyangsa, CNOOC SES Ltd.

Undergraduate Division

- **Application of Cyclic Steam Injection to Recover Condensate from Gas-condensate Reservoir**
Chanapol Bhuripanyo, Chulalongkorn U.
- **An Analytical Model to Predict Segregated Flow in the Downhole Water Sink Completion and Anisotropic Reservoir**
Herfran Rhama Priwanza, Bandung Institute of Technology
- **Research on Feasibility of Physic Nut (Jatropha Curcas) Biodiesel Usage as Base Oil in Oil Based Mud System**
Fia Adhi Utama, Bandung Institute of Technology
- **Statistical Approach for Well Modeling Accuracy**
Mohd Hatta Bin Rashdi, U. Teknologi Malaysia
- **Evaluation Studies on Accuracy and Applicability of Streamline Model**
Shusei Tanaka, Waseda U.

Postgraduate Division

- **The Influence of Fractured Fluid Filtrate to Oil Displacement Efficiency of Especial Low Permeable Layer**
Huang Hai, Xi'an Petroleum U.
- **Screening of effective thermophilic microorganisms for Microbial EOR**
Machiko Oka, Kyushu U.
- **Experimental Study and Application Evaluation of Kick Detection While Drilling with Acoustic Wave**
Hanbing Xu, China U. of Petroleum, Beijing

- **Numerical Prediction Method of CO₂ Characteristics in a Deep Injector for CO₂ Sequestration into Coal Seams**
Tetsu Yasunami, Kyushu U.
- **Analysis of Fracture Propagation Behaviour and Fracture Geometry Using Tri-axial Fracturing System in Natural Fractured Reservoir**
Jian Zhou, China U. of Petroleum, Beijing

Wednesday, 31 October • 0830-1000 hours

Merak Room 1

SESSION 3: RESERVOIR ENGINEERING I

Session Chairpersons:



Salis Aprilian, Mobil Cepu Ltd.

Hazli Sham B. Kassim, Petronas Carigali Sdn. Bhd.

SPE

- 108925 Reservoir Fluid Characterization Using Downhole Fluid Analysis in Northern Kalimantan, Indonesia**
A. Halim, Pertamina DOH Kalimantan; C. Ayan, E. Haryanto and N. Orban, Schlumberger
- 108439 Evaluation of Below Bubble Point Viscosity Correlations & Construction of a New Neural Network Model**
M.A. Ayoub and A.I. Raja, Universiti Teknologi PETRONAS
- 108230 Candidate Selection for Underbalanced Drilling: An Approach**
A.A. Shaikh, Maharashtra Inst. of Technology

Alternates

-  **109166 Effect of Gas Recycling in a Gas Condensate Reservoir on Condensate Recovery and Productivity Index**
M. Mokhtari, Petroleum U. of Technology Iran
-  **109169 The Effectively of Geochemical Technique for Evaluation of Commingled Reservoir: Case Study**
A. Nengkoda, S. Widodo, M.S. Mandhari, Z. Hinai, Petroleum Development Oman; and T. Khan, Sultan Qaboos U.
-  **109724 Scaling of Spontaneous Imbibition into Downscaled Cores**
O.A. Olafuyi, Y. Cinar, and W.V. Pinczewski, U. of New South Wales

Wednesday, 31 October • 0830-1000 hours

Merak Room 2

SESSION 4: FORMATION EVALUATION II

Session Chairpersons:

Laurent Alessio, Carigali-Shell Mutiara Petroleum

Bambang Istadi, Lapindo Brantas, Inc.

SPE

- 109279 Mini-DST Applications for Shell Deepwater Malaysia**
S. Daungkaew, H.J. Harfoushian, Schlumberger; S.B. Toulekima, Santos Ltd.; O.B. Akinsanmi, Sarawak Shell Bhd.; and J.Y. Yeo, Shell Malaysia



- 109275 Advanced Geological Modeling and Uncertainty Analysis in a Complex Clastic Gas Reservoir from Saudi Arabia**
A.A. Al-Maskeen and R.R. Sung, Saudi Aramco
- 109846 An Integrated Study of Low Permeability Reservoir in the Bekasap Field, Central Sumatra Basin, Indonesia**
Y.B. Pramudyo, G. Jacobs, H.S. Moestopo, M. Reihold and H. Nur, PT. Chevron Pacific Indonesia

Alternates

- 110301 The Application of NMR Logs for Evaluation of Gas Reservoirs with Low Salinity Formation Waters**
M. Claverie, D.C. Maggs, M. Van Steene, Schlumberger; and D. Westacott, Carigali Hess
- 109277 Wireline Formation Fluid Sampling from Heterogeneous Carbonate Reservoirs**
S.S. Haddad, C. Xian, Schlumberger; and A.M. Dawoud, Abu Dhabi Co. for Onshore Oil Operations
- 106667 Shifting Paradigms-Underbalanced Drilling Technology Proves Highly Successful for Reservoir Evaluation and Drilling Performance Improvement in Kuwait**
P. Vieira, H.H. Qutob, J.R. Chopty, Weatherford; F. Larroque, A.M. Al-Saleh, and H. Hamad Ismael, Kuwait Oil Co.
- 109886 Use of Artificial Intelligence Techniques for Predicting Irreducible Water Saturation - Australian Hydrocarbon Basins**
H.M. Goda, P. Behrenbruch and H. Maier, U. of Adelaide

Wednesday, 31 October • 0830-1000 hours

Merak Room 3

SESSION 5: EXTENDED REACH, HORIZONTAL AND MULTILATERALS

Session Chairpersons:

Doug Bowling, PT. Chevron Pacific Indonesia
Thad Scott, Weatherford Asia Pacific Pte. Ltd.

SPE

- 110382 Case Study: Application of Coiled Tubing Tractor to Acid Stimulate Horizontal Extended Reach Open Hole Power Water Injector**
A.M. Al-Shehri, Saudi Aramco; S. Al-Sarakbi and M. Omari, Schlumberger
- 110385 Wireline Tractor Technology Supports Fast Tracking New Well Design**
C. Kruger and J. Vinge, Welltec, Inc.
- 109214 New Zealand Offshore Gas Development Sets New Performance and Environmental Milestones. The Role of Drilling Fluid Selection and Performance in the Pohokura Offshore Development**
D.A. Knox, G. McVey, M-I SWACO; I. Tan and F. DeLange, Shell E&P

Alternates

- 109754 Optimum Method to Remove Formate Drill-in Fluid Damage in Extended Reach Wells**
M.B. Alotaibi, A.D. Hill, U. of Texas Austin; and H.A. Nasr El-din, Saudi Aramco
- 110537 The Effect of Weighting Material Sag on Drilling Operation Efficiency**
T. Omland, A. Saasen, K. Taugbol, Statoil; C.V. Zwaag, M-I SWACO; and P.A. Amundsen, U. of Stavanger
- 109649 Successful Placement Technique of Openhole Plugs In Adverse Conditions**
H.E. Rogers, Halliburton Energy Services Group
- 110240 Succeeding with Multilateral Wells in Complex Channel Sands**
J.C. Kok, Y. Shim, Schlumberger; S. Liu, J. Li, and D. Lu, China Natl. Offshore Oil Corp.

Wednesday, 31 October • 1030-1230 hours

Merak Room 1

PANEL SESSION: CHALLENGES IN SATISFYING THE FUTURE OIL & GAS DEMAND

Session Chairpersons:

Sammy Haddad, Schlumberger
Fernando Samaniego-Verduzco, PEMEX
Doug Bowling, PT. Chevron Pacific Indonesia

Panelists:

Khaled A. Al-Buraik, Chief Petroleum Engineer, Petroleum Engineering, Saudi Aramco
Ian Dunderdale, Managing Director, Harrison Lovegrove Sdn. Bhd.
Kun Kurnely, President Director, Pertamina EP

Wednesday, 31 October • 1030-1230 hours

Merak Room 2

SESSION 6: RESERVOIR MANAGEMENT

Session Chairpersons:

Gunawan Sutadiwiria, BPMIGAS
Shiyi Zheng, Heriot-Watt U.

SPE

- 109190 Predicting Accelerating Subsidence above the Highly Compacting Luconia Reservoirs, Offshore Sarawak Malaysia**
J.W. Dudley, A. Van der Linden, Shell Intl. E&P B.V.; and K. Mah, Sarawak Shell Bhd.
- 110446 Irong Barat Field Development: An Integrated Approach to Maximize Asset Value**
Z. Abdul Ghapor and H. Lim, ExxonMobil E&P Malaysia Inc.
- 109661 Facies Interpretation and Modeling of a Carbonate Reef Reservoir, South Sumatra Corridor TAC Block, Indonesia**
S.K. Chakraborty, M.J. Abdul Majid, Schlumberger; B.T. Wahono, M. Chalik, J.J. Guttormsen, A. Dradjat and S. Sudirman, ConocoPhillips Indonesia
- 109112 Transient Pressure Analysis of 4D Reservoir System Response from Permanent Down Hole Gauges (PDG) for Reservoir Monitoring, Testing and Management**
S. Zheng and X. Li, Heriot-Watt U.



Alternates

110207 Enhancing Production from Thin Oil Column Reservoirs Using Intelligent Completions
F.H. Almutairi, D.R. Davies, Heriot-Watt U.; and S.B. Singh, BG Group

108947 Application of Experimental Design and Other Model Simplifications to Speed Up Uncertainty Analysis of Integrated Production System Models

W.E. Van Zandvoord, Shell Global Solutions

108768 Production - Log base Model for Effective Carbonate Management Case Study Miocene Carbonate, the Gulf of Suez, Egypt

S.F. Frage, General Petroleum Co.

109853 Grid Modeling and Numerical Simulation of Multiphase Flow in Heterogeneous Reservoirs Using Orthogonal Collocation Schemes

K.E. Abhulimen and M.O. Anubi, U. of Lagos

Wednesday, 31 October • 1030-1230 hours

Merak Room 3

SESSION 7: IOR/EOR II

Session Chairpersons:

David Castillo, GeoMechanics Intl., Inc.

Jiecheng Cheng, Daqing Oilfield Co. Ltd.

SPE

109077 Identification of Bypassed Oil for Development in Mature Water-Drive Reservoirs

T. Tan, C. Schell, J. Liu, L. Borkovec and S. Akam, Sarawak Shell Bhd.

108742 Preliminary Evaluation of a Non-Damaging Fracturing Fluid to Improve Productivity of Oil and Gas Wells

M. Amanullah, CSIRO Petroleum

109619 Study on Migration Dynamic Regularity of Cross-link Polymer Gel and its Adaptability to the Physical Property in Reservoir

J. Hou and Z. Liu, SINOPEC

110173 Simulation Studies on the Mechanisms and Performances of MEOR using a Polymer Producing Microorganism Clostridium sp. TU-15A

Y. Sugai, Kyushu U.; C. Hong, Jilin Oilfield Co.; T. Chida and H. Enomoto, Tohoku U.

Alternates

109118 Research and Application on Horizontal Well Sectional Acidizing Technology

B. Li, S. Zhang, W. Yang, Daqing Oilfield Co. Ltd.; X. Pei, Q. Li and L. Kong, Inst. of Daqing Oil Production Technology

110299 Field Application of Immiscible WAG (EOR) Technology as a Means to Improve Oil Recovery in Dulang Field, Offshore Peninsular Malaysia Operation

R. Ibrahim, N. Maarop, A. Faisal, Petronas Carigali Sdn. Bhd.; and N. Anua, Petronas Research and Scientific Services

108661 Case Studies on Polymer Flooding for Poor Reservoirs in Daqing Oilfield

J. Luo, S. Xinguang, W. Yan, W. Wei, W. Lei and X. Qing, Daqing Oilfield Co.

Wednesday, 31 October • 1400-1500 hours

Murai Room

Presentation on Writing a Paper Proposal for an SPE Meeting and the SPE Paper Proposal and Manuscript Management System

Wednesday, 31 October • 1400-1630 hours

Merak Room 1

SESSION 8: RESERVOIR ENGINEERING II

Session Chairpersons:

Eko Lumadyo, Santos Asia Pacific Pty. Ltd.

Prabodh Pathak, ExxonMobil Oil Indonesia Inc.

SPE

110272 Integrating Pressure Transient Test Data with Seismic Attribute Analysis to Characterise an Offshore Fluvial Reservoir

A. Sahni, H. Samorn, and K.D. Kelsch, Chevron

110412 Using Production Log to Calibrate Horizontal Wells in Reservoir Simulation

Y. Wang and J.E. Moreno, Schlumberger

110247 In-Situ Residual Oil Saturation Determined at Angsi

M. Othman, Petronas Carigali Sdn. Bhd. and N.M. Jakobsson, Exxon Mobil Corp.

107693 The 2007 SPE/AAPG/WPC/SPEE Petroleum Resources Management System

J.R. Etherington, PRA Intl.; J.E. Ritter, Occidental Petroleum Corp.; and G.J. Barker, RISC Pty. Ltd.

Driven by advancements in technology, the international expansion of the E&P sector and the increasing role of unconventional resources in meeting global energy needs, the SPE, in conjunction with the AAPG, WPC and SPEE has recently approved a revised set of Reserves and Resources Classification, Definitions and Guidelines.

The 2007 system described in this paper incorporates best industry practice and provides guidance to achieve a high level of consistency in estimating, classifying and reporting petroleum resources with global application. The resulting document is a set of technical definitions, standards and guidelines that can be used to the benefit of all stakeholders with interests in the E&P sector.

109730 The Status and Potential of Integrated Production Logging on Handling Up-to-Date Production Problems.....Keys to Keeping Producing Wells Healthy

R. Iskandar, Halliburton



Alternates

107330 **Can Equations of State be Used as Predictive Tools?**



T.H. Ahmed, Anadarko Petroleum Corp.

109268 **Effect of Capillary Pressure and Initial Water Saturation on Oil Production and Water Cut in Water-Wet Reservoirs**



K. Li, Stanford U.

109113 **A New General Formula for Dimensionless Well Inflow Performance Relationship**



H. Zhong, Y. Li, Southwest Petroleum Inst.; Y. Wen, Schlumberger; C. Li, and W. Li, CNOOC Research Center

Wednesday, 31 October • 1400-1630 hours

Merak Room 2

SESSION 9: DRILLING TECHNOLOGY

Session Chairpersons:

Jonggeun Choe, Seoul Natl. U.

Kaustubh Dighe, Transocean Offshore Drilling

SPE

106870 **Underbalanced Coiled Tubing Drilling Practices in Horizontal Short Radius Re-Entry Well Applied in Hassi Messaoud - Algeria, Case Study**

M.A. Arnone, H.H. Qutob, J.R. Chopty, N. Barakat, F. Schoch, Weatherford; B. Ben Amor and A. Ferhat, Sonatrach

109075 **An Innovative Approach for Long Term Zonal Isolation in HT/HP Gas Wells**

A.S. Al-Yami, H.A. Nasr-El-Din, Saudi Aramco; and Y.A. Elmarsafawi, Schlumberger

110722 **Solid Expandable Tubulars Deliver on Promise and Potential**

M.B. Holland, I.S. Jennings and M. Kaschke, Enventure Global Technology

109641 **Design, Engineering, and Construction of Steel Catenary Risers for Indonesia Deepwater Field applications**

J. Korloo, Chevron and D. Thomas, Rider Hunt Intl.

105855 **First Gas Field Developed Using Exclusively Dope-Free Casing and Tubing Connections - Statoil Snohvit**

G.E. Carcagno, T.H. Castineiras, Tenaris; and D.J. Eiane, Statoil ASA.

Alternates

110441 **GeoPilot Directional Drilling Designs that Incorporates Geomechanical Constraints to Improve Performance**



D.A. Castillo, GeoMechanics Intl. Inc.; M. Dow, C. Fraser, G. Douglas, Oil Search; G. Ross and S. Swick, Sperry Sun

109219 **Integration of Pore Pressure/Fracture Gradient Prediction Methods and Real-Time Annulus Pressure Measurements Optimises Drilling in Deltaic Environments**



J.A. Greenwood, Sperry Drilling Services; and M. Abdallah, Halliburton

110544 **Optimisation of Solids Control Opens Up Opportunities for Drilling of Depleted Reservoirs**



T. Omland, B. Dahl, A. Saasen, K. Taugbol, Statoil ASA; C.V. Zwaag, M-I SWACO; and P.A. Amundsen, U. of Stavanger

Wednesday, 31 October • 1400-1630 hours

Merak Room 3

SESSION 10: PRODUCTION OPTIMISATION

Session Chairpersons:

Ahmed Badruzzaman, Chevron Energy Technology Co.

A. Marouf Mohamed, Egyptian Petroleum Consultants

SPE

109188 **Technological Applications Redefining Mature Fields Economic Limits**

M.A. Abduldayem, G.M. Berberian and Z.A. Baluch, Saudi Aramco

110093 **Application of 3-D Reservoir Simulator for Hydraulically Fractured Wells**

E.P. Lolon, J.R. Shaoul and M.J. Mayerhofer, Pinnacle Technologies

110161 **Detecting Water Influx in Beam Pump Lifted Horizontal Wells in the NIMR Field Using Temperature Measurements, Production Profiling and Concentric Coiled Tubing**

M.P. Kuchel, H. Sakhbouri, BJ Services Co.; M.A. Al-Mahrooqi, and G. Hinai, Petroleum Development Oman

105159 **Striving Coil Tubing Limit Intervention on Snake "Long Horizontal" Complex Gas Well: Successful Perforation and Completion**

N.M. Al-Araimi, Brunei Shell Petroleum Sdn. Bhd.; and S. Srisa-Ard, Schlumberger

107681 **Improved Frac and Pack Job Design and Execution in Baram Field - A Case History**

A. Azer, Halliburton Energy Services; M. Arfie, M.B. R. Ali, Jadid and H.S. Kassim, Petronas Carigali Sdn. Bhd.

Alternates

107676 **Production Optimisation through a Well-Centric Intelligent System**



G.P. Vachon and J. Lee, Baker Hughes

108915 **Capitalising on Stick-Slip Pseudo-Plasticity of Formation Improves Production of Dual Fracture Completions**



J.B. Surjaatmadja, Halliburton Energy Services

108781 **Optimised Fracture Designs with RPM Control Water Cut in Ust Vakh Field Western Siberia**



R.L. Guerra, V. Maritchev, BJ Services Co.; G.M. Aleksandrovich, G.E. Alexandrovich, BP; and J.C. Velasquez, BP Exploration Colombia Ltd.



Thursday, 1 November • 0830-1030 hours

Merak Room 1

SESSION 12: CASE STUDIES

Session Chairpersons:

Unggul Setyamoko, VICO Indonesia

Deden Supriyatman, Total E&P Indonesi 

SPE

108973 Multi Type Application of Cement-Packer: Simple and Economic Method of Accessing By-Passed Reservoir Potential

M. Idris, M. Rylance, K. Joenoes and B. Dharma, VICO Indonesia

107047 Cementing a Producing Formation with Low-Fracture-Pressure Gradient in Wafra Field, Kuwait

Y.A. Elmarsafawi, M.M. Razouqi, F. Caillat Schlumberger; and G. Raabe, Saudi Arabian Texaco- Kuwait Oil Co.

106840 An E-Line Deployed Retrofit Completion with Temporary Automatic Shut-Off in a Subsea UK North Sea Well Using an Intervention Vessel

M. Rogers, Weatherford Evaluation, Drilling & Intervention; and M.J. Hartley, BP

108615 Simulation Study of Waterflooding Performance Using Horizontal Wells in Heterogeneous Reservoirs, Zone17-HMD Field Algeria

A. Hamadouche, Sonatrach ; and D. Tiab, U. of Oklahoma

Alternates

108401 Initial UBD-Reservoir Candidate Screening Prevents Applying the Technology to the Wrong Reservoirs: Case Study



S. Babajan, Petroleum Development Oman; and H.H. Qutob, Weatherford

108402 Reservoir Candidate Screening: The SURE Way to Successful Underbalanced Drilling Projects in ADCO



A.A. Keshka, A. Al Rawahi, R. Al Murawwi, K. Al Yaaqeeb, Abu Dhabi Co. for Onshore Operations ; H.H. Qutob, S.M. Boutalbi and J.J. Villatoro, Weatherford Intl. Ltd.

109098 The Largest Acid Stimulation for Horizontal Power Water Injector in Saudi Arabia



Y.A. Al-Rufaie, M.A. Al-Otaibi, M.H. Albuali, A.K. AL-Mulhim, Saudi Aramco; and M. Erbil, Schlumberger

108909 Screenless Frac-Pack Completions - Case Studies from Jidong Fields, China



H. Deng, Halliburton; P.D. Nguyen, W. Lubis, Halliburton Energy Services; X. Chang and R. Chen, PetroChina

Thursday, 1 November • 0830-1030 hours

Merak Room 2

SESSION 13: FIELD DEVELOPMENT

Session Chairpersons:

Bambang Ismanto, VICO Indonesia

Juan Carlos Mantecon, Scandpower Petroleum Technology

SPE

109137 Indonesia Deepwater Field development Technical, Contracting, and Execution Challenges

J. Korloo, Chevron Corp.

106748 Hydrocarbon Potential Monitoring of By-Passed Pay Zones Using TDT and CHFR Logs

G.M. Hamada, King Fahd U. of Petroleum & Minerals

108765 Application of Massive Hydraulic Fracturing in C Field Middle Gharif Formation - Case Study

K. Al-Maamari, S.S. Al-Hajri, J.E. Clark and J. Vandorp, Petroleum Development Oman

110748 Application of Horizontal Wells in Heavy Oil Reservoir with Bottom Water Drive

H. Gao, Schlumberger; and G. Yang, Liaohe Oilfield Co.

Alternates

106910 Remote Real Time Well Surveillance the Best Fit for Southern Part of Ghawar Area Field



A.A. Al-Amer, Saudi Aramco

109202 Capturing Remaining Oil in a Giant Mature Carbonate Waterflood Field in Oman



H.H. Al-Sharji, H.M. Behairy, J. Van Houwelingen, P. Male and H.A. Al Lawati, Petroleum Development Oman

109830 Subsurface and Surface Integration for an Improved Field Development Plan: A Case Study for Sepat Field



H. Shwe and B.M. Nasron, Petronas Carigali Sdn. Bhd.

109669 Concept Development Options & Selection, Deepwater Indonesia



M.J. Craig, Chevron Corp.

Thursday, 1 November • 0830-1030 hours

Merak Room 3

SESSION 14: COMPLETION TECHNOLOGY

Session Chairpersons:

Nasir Bagis, PT. Chevron Pacific Indonesia

Shigeru Saito, INPEX Corp.

SPE

108877 Advanced Well Completions Result in Enhanced Well Productivity

D.E. Hembling, A.H. Sunbul and D.S. Qudaihy, Saudi Aramco

108381 Cliffhead Intelligent Completion with Coiled Tubing Deployed ESP - Increased Production, Reduced Life-Cycle Cost

J.M. Bettridge, D.G. McCall, J.P. Jordan, V.J. Guatelli and E. Bird, Advanced Well Technologies

110494 Simplified Sandstone Matrix Acidizing: Stimulation Campaign Results in the Tiong Field

A. Schmidt, H. Abuseif, A.P. Parapat, Schlumberger; F.H. Hassan and M. Ismail, Petronas Carigali Sdn. Bhd.



109286 Fiber Assisted Fracture Fluid Technology Brings Increased Production to Burgos Field in North Mexico

J. Sanchez, and J.M.G. Sanchez, Schlumberger

Alternates

110692 Fluid-Loss Pills Control Losses through Sand-Control Screens Without Damage or Cleanup Treatment

W.E. Foxenberg, M.T. Darring, H.C. Marine, M-I SWACO; B.F. Harper, K.F. Lamb, Chevron Corp.; and S.A. Ali, Chevron Energy Technology Co.

109837 Innovative Method for Predicting Down-Hole Pressures during Frac Pack Pumping Operations Allows for More Successful Completions

W.J. Edwards and R.C. Jannise, Halliburton Energy Services Group

109025 Is HRWP Better than Frac and Pack? Lessons Learnt on How to Enhance PI from Sand Control Treatment at Baram Field

M. Arfie and M.B. Jadid, Petronas Carigali Sdn. Bhd.

Thursday, 1 November • 0830-1030 hours

Murai Room

SESSION 15: RESERVOIR ENGINEERING III

Session Chairpersons:

Ahmed Badruzzaman, Chevron Energy Technology Co.
Shiyi Zheng, Heriot-Watt U.

SPE

109162 Integrated Wellbore-Reservoir Dynamic Simulation

B. Hu, G. Chupin, Scandpower Petroleum Technology; and J. Sagen, Inst. for Energy Technology

109655 Evaluation of Production Performance from a Thin Oil Column Reservoir through Dynamic Modelling

C. Yeow and M.K. Hamdan, Petronas Carigali Sdn. Bhd.

108831 Building the Field Development Plan for a New Gas Field, Located in Algeria, Reggane Trend

M.J. Vilela, P.R. Marin, M. Rodrigo, A.C. Limeres, A. Medina, and K.R. Mohammed, Repsol YPF

109216 Application of DST to Delineate the Uncertainties in Deepwater Dry Gas Turbidite Fields, Offshore Myanmar

J.J. Park and H. Yi, Daewoo Intl.Corp.; and D. Baxendale, Gaffney, Cline & Assocs.

Alternates

109023 Interference Testing with Horizontal Wells in Layered Reservoir

A.Syed and H.S. Al-Hashim, King Fahd U. of Petroleum & Minerals

108426 Reservoir Simulation to Find Bypassed Oil in Melibur Field - A Case Study

M. Mirza and J. Priyantoro, Kondur Petroleum, S.A.

109544 Application of Temperature Transient Analysis in Well Test Interpretation for Gas Wells

J. Siavoshi, Memorial U.; and H. Bahrami, Sharif U. of Technology

Thursday, 1 November • 1100-1300 hours

Merak Room

PLENARY SESSION: OPPORTUNITIES ARISING FROM HIGH OIL PRICE

Session Chairpersons:

Eko Lumadyo, Santos Asia Pacific Pty. Ltd.
Prabodh Pathak, ExxonMobil Oil Indonesia Inc.

Speakers:

Suwito Anggoro, President Director, PT. Chevron Pacific Indonesia (*Invited*)

Gopalan K. Papachan, General Manager, New Business Development (Commercial) Asia Pacific, Shell E&P

AI Riddle, Director of Technology, Baker Hughes Inc.

Martin Tiffen, Vice President, Business Development, TOTAL

Thursday, 1 November • 1430-1630 hours

Merak Room 1

SESSION 16: OVERARCHING INDUSTRY ISSUES (HSE,HR, IT)

Session Chairpersons:

Karl Dominik, OMV E&P Ltd.
Partha P. Mitra, Cairn India

SPE

109265 Generation Y in the Oilfield: Are We Ready?

S. Rajan, Marathon Oil Co.

109819 From the What Can I Do for You to the What Can You Do for Me Generation: The Disconnect Between the Establishment and the Youth Culture in the Oil Industry

R.A. LeBas, Halliburton Co.; and W.J. Edwards, Halliburton Energy Services Group

109245 Reducing CO₂ Emissions by Making Cheaper CO₂ Capture Technologies Available

T.C. Klaver and T. Mikus, Shell Global Solutions Intl. B.V.

109100 Extending ERP to Wells for Various Technical Analysis: An Innovative Application in India

D. Adhikari, P.P. Chaudhury, and S. Kumar, Oil & Natural Gas Corp. Ltd.

Alternates

110982 West Java Rehabilitation Project, a Holistic Integrated Approach to Consistently Conform with Safety, Secure Facilities Readiness for Continues Production, and Improve Facilities Production Efficiency

P. Prawirowijoto, BP Indonesia

110353 Novel Service Approach Helps Operators Meet European Environmental Requirements, Reduce Waste Generation and Cut Costs

P. Marinescu, M. Mertin, M-I SWACO; and A. Buchner, M-I Drilling Fluids Co.



109571 Bioremediation of Oil Contaminated Soil at South Santhal CTF, Mehsana, India : A Case Study



A. Mandal, P.M. Sarma, M. Dwivedi, A. Swaleh, B. Lal, The Energy and Resources Inst.; and A. Agnihotri, U.S. Hazra, A. Doraiah, and S.S. Patidar, Oil & Natural Gas Corp.

Thursday, 1 November • 1430-1630 hours

Merak Room 2

SESSION 17: GAS

Session Chairpersons:

John Marcou, Kodeco Energy Co. Ltd.

David McCullough, Star Energy

SPE

108749 Initial Surveillance in the Cannonball Field: Design, Implementation and Interpretation

J.R. Jones, BP Plc.; S.T. Jemmott and K. Baksh, BP Trinidad and Tobago

108924 Geo-Engineering and Economic Assessment of a Potential CO₂ Sequestration Site in Southeast Queensland, Australia

Y. Cinar, P.R. Neal, W.G. Allinson, U. of New South Wales; and J. Sayers, U. of Adelaide

110328 Angsi K-Sands Production Performance: A Case History of Hydraulically Fractured Retrograde Gas Condensate Reservoir

M. Othman and M.B. Omar Chong, Petronas Carigali Sdn. Bhd.

109670 Flow Assurance Challenges in Deepwater Gas Developments

R.S. Kopps, Chevron

Alternates

109294 A CO₂-Rich Gas Well Test and Analyses

Q. Xu, G.F. Weir, Curtin U. of Technology; L. Paterson, CSIRO Petroleum; I. Black, Upstream Petroleum Pty. Ltd; and S. Sharma, Schlumberger

110342 Potential Formation Damage and Remedial Methods in Gas Condensate Wells: from Lab to Field

H.A. Al-Anazi, Saudi Aramco; and M.A. Ba-Taweel, Aramco Services Co.

Thursday, 1 November • 1430-1630 hours

Merak Room 2

SESSION 18: EMERGING AND UNCONVENTIONAL RESOURCES

Session Chairpersons:

Darius Shahsavari, IPR Group of Companies

Bailin Wu, CSIRO Petroleum

SPE

110859 Evaluation of the Gas Production Potential of Oceanic Hydrate Deposits in the Ulleung Basin of the Korean East Sea

G.J. Moridis, Y. Seol, Lawrence Berkeley Natl. Laboratory; and S. Kim, Korea Inst. Geoscience & Mineral Resources

109506 Anomalous Diffusion Behavior of CO₂ in the Macromolecular Network Structure of Coal and its Significance for CO₂ Sequestration

S. Mazumder, Shell Intl. B.V.; J. Bruining and K. Wolf, Delft U. of Technology

109192 CBM Drilling and Completions - An Australian Perspective

P. Lansom, Origin Energy; D.W. McMillan, Oil Gas CBM Services Pty. Ltd.; and D. Mathew, Arrow Energy

109508 The Late Miocene Coalbed Methane System in the South Sumatra Basin of Indonesia

S. Mazumder, Shell Intl. B.V.; S.A. Ficarra, ENI Indonesia Ltd; and S.H. Stevens, Advanced Resources Intl., Inc.

Alternates

109844 Utilise Geosteering in Horizontal Wells to Maximise Value in Mature Fields, Central Sumatra, Indonesia



H.S. Moestopo, M. Reinhold, Y. Pramudyo, K. Purwanto and H. Nur, PT. Chevron Pacific Indonesia

109182 Gas-to-Hydrate Technology, an Alternative Energy for Low-Level Communities in Indonesia



A.N. Bawono, PT. Perusahaan Gas Negara

108127 In-Situ Generation of Carbon Dioxide: A New Way to Enhance Oil Recovery



L. Bo, P.W. Fen, Z. Ming, Z.J. Zhou, Southwest Petroleum U.; and D. Su, SINOPEC

POSTER SESSION

The poster session will be held at the Exhibit Area of the Jakarta Convention Centre. Posters will be on display during the conference and presented during **1630-1730 hours on Wednesday, 31 October**. Conference delegates are encouraged to attend the Poster Session Presentation. The presentation will allow delegates to meet the authors of the poster displays and provide an opportunity to discuss some of the latest developments in the oil & gas industry

106948 Effects of Friction and Fluid Acceleration in Drain Hole on Productivity of Horizontal and Multilateral Wells

B. Guo, U. of Louisiana at Lafayette

107160 Interpretation of Post Deep-Acidizing Pressure Tests in a Naturally Fractured Reservoir

O. Bensalem, Organisation Ourhoud

107750 A Novel Technique for the Determination of Microscopic Pore Size Distribution of Heterogeneous Reservoir Rocks

S. Elgaghah, U. of Western Australia; and S.A. Shedid, United Arab Emirates U.

108304 An Innovative Approach to Uncertainty Assessment of Hydrocarbon Estimates in Fluvial Systems: A Case Study

M.A. Al-Khalifa, Saudi Aramco; T. Payenberg and S. Lang, U. of Adelaide



- 108363 A Rigorous Reservoir-Wellbore Cross-Flow Equation for Predicting Liquid Inflow Rate during Underbalanced Horizontal Drilling and Production**
B. Guo, U. of Louisiana at Lafayette
- 108408 Fishing 10000' of CT from Deep Gas Well in Saudi Arabia**
H.H. Al Jubran, Saudi Aramco
- 108604 The Development of an Artificial Neural Network as a Pressure Transient Analysis Tool for Applications in Double-Porosity Reservoirs**
M.N. Alajmi and T. Ertekin, Pennsylvania State U.
- 108771 Managing Hydrate Risks for a Black Oil Long Subsea Tie-Back When Water Cut Predictions Exceed Original Design Basis**
A.F. Harun and T.J. Blanchard, BP
- 108847 Reconciling Subsurface Uncertainty with the Appropriate Well Design Using the Mechanical Earth Model (MEM) Approach**
H.E. Goodman, Chevron Energy Tech Co.
- 108891 Optimising the Drilling and Completion Strategy of Deep Gas Reservoir in Saudi Arabia using Geomechanics**
M.S. Ahmed, A.M. Kanan, Saudi Aramco; and T. Finkbeiner, GeoMechanics Intl.
- 109150 Removing the Effect of Reservoir Fluids on Porosity Estimated from Seismic Data. A Study on Aboozar Oilfield, North-West Persian Gulf**
M. Asgharzadeh, Iranian Offshore Oil Co.
- 109208 New Wireline Sampling Technique Enables ZERO Contamination Sampling: A Case Study in A Challenging Sampling Environment**
D. Kundu, S. Joshi, Schlumberger; and S. Kumar, Cairn Energy India
- 109246 Development of Highly Contaminated Gas & Oil Fields, Breakthrough $\text{CO}_2/\text{H}_2\text{S}$ Separation Technologies**
T.C. Klaver and E. Geers, Shell Global Solutions Intl.
- 109278 Risk-Based Candidate Selection Workflow Improve Acid Stimulation Success Ratio in Mature Field**
G.P. Kartoatmodjo, F. Caretta, S.R. Flew, Schlumberger; and M.B. Jadid, Petronas Carigali Sdn. Bhd.
- 109528 Multiphase Flowmeters in Well Testing: The Benefit of the Combination of Venturi and Dual-Energy Spectral Gamma Ray- An Innovative Approach**
M. Sharan and A.K. Singh, Indian School of Mines
- 109539 Continuous Downhole Fluid Log Powered by an Integrated Approach Reveals Reservoir Fluid Complexities and Minimizes Uncertainties**
C. Xian, S.S. Haddad, Schlumberger; M.O. Okuyiga and A. Berrim, Abu Dhabi Marine Operating Co.
- 109683 Reservoir Characterization through the Integration of Downhole Fluid Analysis, Geochemistry and Mud Gas Analysis**
O.C. Mullins, L. Venkatramanan, Schlumberger; H. Elshahawi, D.E. McKinney, M. Flannery and M.N. Hashem, Shell
- 110106 Incorporation of Static and Dynamic Constraints in Optimum Upscaling: A Field Case Study**
M. Mohammadpour Faskhoodi, H. Ates, T. Soeriawinata, Kelkar & Associates; X. Britsch, AGIP KCO; and M.G. Kelkar, U. of Tulsa
- 110148 The Study of Predominant Production Mechanisms in Naturally-Fractured Rich Gas-Condensate Reservoirs**
E. Piramoon, Natl. Iranian South Oil Co; B. Dabir and Amir-Kabir, U. of Technology
- 110223 Applications of NMR Logs and Borehole Images to the Evaluation of Laminated Deepwater Reservoirs**
M. Claverie, S.M. Hansen, S. Daungkaew, Schlumberger; O.B. Akinsanmi and P.S. Pillai, Sarawak Shell Berhad
- 110224 Quantifying History Matching Errors - When is a Match a Match?**
T. Friedel, DCS; S.R. Flew, R. Strasser, and R. Trebolle, Schlumberger
- 110225 Integration of Production Data Analysis Results into Geostatistical Models by Downscaling**
R.A. Archer, U. of Auckland
- 110257 Depletion Planning - More Than Just Wells**
D. Meadows, Y.A. Prihartono, C. Damanya and K.R. Narayanan, VICO Indonesia
- 110341 Uniquely Characteristics Mixed-Metal Oxide (MMO) Fluid Cure Lost Circulation While Meeting European Environmental Regulations**
P. Marinescu, P. Vlasceanu, M-I SWACO; and R.J. Oswald, Petroleum S.A.
- 110364 In-Situ Density of Reservoir Fluids measured by Wireline Formation Testers**
M.D. O'Keefe, R.R. Vasques; and E. Donzier, Schlumberger
- 110882 Reviving the Mature Handil Field: From Integrated Reservoir Study to Execution**
H. Herwin, E. Cassou, and H. Yusuf, TOTAL
- 110927 Unlocking the Potential of Mature Fields - An Innovative Filtering and Analysis Approach to Identify Sidetracking Candidates in Mature Water Flooded Fields**
P. Von Pattay and R. Strasser, Schlumberger
- 110929 Suspension Flow in Petroleum Reservoirs: Fractional Flow Theory**
P.G. Bedrikovetsky and P. Bedrikovetsky, LENEP/JENEF



GENERAL INFORMATION

ADVANCE REGISTRATION

Register by 30 September and Save!

To advance register, please complete and return the Advance Registration Form. Early Bird Registration deadline is **30 September 2007**. The deadline for receipt of Advance Registration Form is **15 October 2007**. Advance registration should be made by mail OR fax to the SPE Asia Pacific Office (Kuala Lumpur), OR via SPE website. Payment on advance registration should be mailed to the SPE Asia Pacific Office (Kuala Lumpur), as indicated on the form, or fax your completed registration form with credit card information to SPE Asia Pacific Office (Kuala Lumpur), facsimile: 60.3.2282.1220, or provide your credit card information on-line. To submit your registration on-line, please go to the SPE web site <www.spe.org> (credit card registrants only).

REGISTRATION PAYMENT

Advance registration payment by cheque or credit card:

1. U.S. Dollar Cheque/Money Order payable to the **Society of Petroleum Engineers**.
2. Credit Card payments will be in U.S. Dollars only: American Express, MasterCard, VISA, and Diners Club.
3. For wire transfer, please contact the SPE Asia Pacific Office (Kuala Lumpur). E-mail <spekl@spe.org>

Indonesian Rupiah, with the day's exchange rate, will be accepted on-site only. However, registrants are encouraged to advance register and then make payment on-site at the conference.

Conference materials and badges will not be mailed in advance, but should be collected at the Conference Registration Booths, Outside Entrance Foyer, Jakarta Convention Centre, during registration hours. To avoid congestion during the event, delegates are encouraged to collect their materials/badges at the Registration Counter on Monday, 29 October between 1500-1800 hours.

ON-SITE REGISTRATION

Delegates may register on-site at the Conference Registration Booths, Outside Entrance Foyer, Jakarta Convention Centre:

1500-1800 hours: Monday, 29 October

0730-1730 hours: Tuesday, 30 October

0800-1730 hours: Wednesday, 31 October

0800-1630 hours: Thursday, 1 November

REGISTRATION PACKAGE AND FEE

Full Conference Period Registration Fee includes: admission to technical sessions and exhibition, one CD-ROM *Proceedings*, Welcome Reception, luncheons, daily coffee/tea breaks, and Conference Dinner (registrant and partner).

One-Day Registration Fee includes: admission to all technical sessions and exhibition, luncheon and coffee/tea breaks for that day only.

Students: Registration for technical sessions and exhibition is **complimentary** for full time students. Complimentary registration does **not** include *Proceedings* or any function tickets. Students are required to fax or photocopy their current Student ID with the registration form, or show their student ID when they collect their badges on-site.

REFUND DEADLINE

Cancellations must be received in writing by the SPE Asia Pacific Office address shown on the Advance Registration Form no later than **15 October 2007** to receive a refund less US\$100 processing fee. No refunds will be accepted after this date. Substitutions will be accepted.

CONFERENCE PROCEEDINGS

Advance full conference registration guarantees one (1) CD-ROM *Proceedings* and is available for collection at the conference. Additional CD-ROM *Proceedings* may be pre-ordered on the Advance Registration Form or purchased during registration hours at the conference for US\$100 member and US\$150 non-member. Participants are encouraged to order CD-ROM *Proceedings* in advance, as on-site availability is limited.

HOTEL ACCOMMODATION

Hotel accommodation can be reserved at the **Sultan Hotel** or the **Hotel Mulia Senayan**, where room blocks with "special rates" are being held for 2007 APOGCE conference delegates. The Sultan Hotel is within the same complex of the Jakarta Convention Centre, whereby participants can move from one location to the other via the indoor traveller. Please complete the Hotel Booking Form to ensure your hotel accommodation during the conference.

AIRPORT

The Jakarta International Airport is located 30-35 minutes from the Sultan Hotel, Hotel Mulia Senayan, and the Jakarta Convention Centre. Ground transportation is available by taxi or by hotel limousine. Silver Bird taxi is recommended.

VISA / IMMIGRATION

All visitors to Indonesia must be in possession of passport valid for at least six months after arrival, with proof of onward passage out of the country. Please check with your travel agent or the Indonesian Embassy or Consulate on regulations relating to immigration/visa before your departure.



SOCIAL ACTIVITIES

GOLF TOURNAMENT

(Organised by IATMI)

Emeralda Golf Course, Bogor

Sunday, 28 October • 0700 hours tee-off

Cost: US\$150

The Emeralda Golf Course is one and a half hour drive by car from Jakarta and provides the perfect backdrop for the 2008 IATMI Golf Tournament. The course, designed by two golf legends Arnold Palmer and Jack Nicklaus, offers scenic lakes and an experience you will never forget.

Tee-off time is 0700 hours, and the cost includes green fee, caddy fee, transportation, breakfast and lunch, and golf cart. Transportation will be provided to and from The Sultan Hotel (formerly Hilton International Hotel), to the course. Entry is limited to 150 persons on a first-come first-served basis. Those who wish to participate in this event are advised to register early to avoid disappointment.

Please contact the organisers listed below for additional information, and make your reservation by completing the appropriate section on the Advance Registration Form and forward to the SPE Asia Pacific Office (Kuala Lumpur).

Suryaman Adiwinata

Mobile No. 62.811.974.211

Fax No. 62.21.781.8432

Priyandaru Effendi

Mobile No. 62.811.849.266

Fax No. 62.21.3002.1598

FAMOUS SHRIMP BOIL

(Organised by the SPE Java Indonesia Section)

Saturday, 27 October • Cost: US\$60.00

APOGCE welcomes the 19th Annual SPE Java Shrimp Boil 2007! Enjoy a true Cajun extravaganza with friends and colleagues. Relax and feast on sumptuous boiled spicy shrimp, a free flow of drinks and live music that will keep you entertained throughout the evening. The event will help support the SPE Scholarship Fund and Foundation for Excellence in Education (FEE). Tickets are selling fast, so register now to avoid disappointment.

If you require any further information, please do not hesitate to contact Doug Slusher at +62 816 190 2830

WELCOME RECEPTION

Main Lobby, Jakarta Convention Centre

Tuesday, 30 October • 1600-1730 hours

Cost: Free for full conference registrant

US\$35 for 1-day and non registrants

A chance to network and socialise with conference delegates where you can catch up with old friends and make new acquaintances. Reception cost is included in the full conference registration fee. Additional tickets can be purchased from the Registration Desk, outside the entrance foyer, at the Jakarta Convention Centre.

CONFERENCE DINNER

(Organised by IATMI)

Grand Ballroom - Sultan Hotel

Wednesday, 31 October • 1900 hours

Cost: Free for full conference registrant and partner

US\$100 per additional guest ticket

Enjoy the tropical paradise ambiance where delightful Latin dance and music will tantalise your senses while you relax and enjoy the evening cuisine. A guest star will perform and accompany you to dance and light up the dance floor!

This is an evening that should not be missed! Ticket is included in the full conference registration fee. Additional tickets can be purchased by completing the appropriate section on the Advance Registration Form and sent to the SPE Asia Pacific Office (Kuala Lumpur).



**SPE ASIA PACIFIC OIL & GAS CONFERENCE AND EXHIBITION
30 OCTOBER – 1 NOVEMBER 2007 • JAKARTA CONVENTION CENTRE
JAKARTA INDONESIA**

ADVANCE REGISTRATION FORM

All portions of this form must be completed. Print names as they should appear on meeting badge. Registration will not be processed without payment. This form can be used as a company invoice.

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| Office Telephone (Include Country and City Code) | | | | | | | | | | Facsimile (Include Country and City Code) | | | | | | | | | |
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| E-mail Address | | | | | | | | | | | | | | | | | | | |
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**Early Bird Registration
Deadline:
30 September 2007**

**Advance Registration
Deadline:
15 October 2007**

Mail or Fax to:
Registrar-2007 APOGCE
Society of Petroleum Engineers
Suite 23-02, Level 23
Centrepoint South, Mid Valley City
Lingkaran Syed Putra
59200 Kuala Lumpur, Malaysia
Tel: 60.3.2288.1233
Fax: 60.3.2282.1220

**Faxes accepted only if credit
card details are provided.
If you fax this form,
do NOT mail original.**

| FEE PER PERSON | | NO. | COST | REGISTRATION |
|--|--------------------------|-----|------|---|
| FULL CONFERENCE PERIOD (Includes technical sessions, exhibition, luncheons, coffee/tea breaks, welcome reception, conference dinner and CD-ROM Proceedings) | | | | |
| On/before 30 Sept | After 30 Sept | | | I will attend the Conference Dinner on Thursday, 1 November 2007 <input type="checkbox"/> Yes <input type="checkbox"/> No |
| US\$600 | US\$635 | | | I will attend the Conference Dinner with Spouse/Partner <input type="checkbox"/> Yes <input type="checkbox"/> No |
| US\$695 | US\$730 | | | MEMBER |
| US\$550 | US\$585 | | | NON-MEMBER |
| Complimentary | | | | AUTHOR/SESSION CHAIRPERSON/COMMITTEE <input type="checkbox"/> Member <input type="checkbox"/> Non-member |
| | | | | STUDENT (With valid college I.D.) (Includes technical sessions and exhibition only) |
| ONE DAY REGISTRATION (Includes technical sessions, exhibition, luncheon and coffee/tea breaks for that day only) | | | | |
| US\$265 | US\$300 | | | MEMBER – Check day you will attend <input type="checkbox"/> Tuesday <input type="checkbox"/> Wednesday <input type="checkbox"/> Thursday |
| US\$315 | US\$350 | | | NONMEMBER – Check day you will attend <input type="checkbox"/> Tuesday <input type="checkbox"/> Wednesday <input type="checkbox"/> Thursday |
| US\$40 | US\$55 | | | VISITOR (Includes admittance to exhibition and coffee/tea breaks for that day only) |
| ADDITIONAL CD-ROM PROCEEDINGS | | | | |
| US\$100 | | | | CD-ROM PROCEEDINGS – MEMBER |
| US\$150 | | | | CD-ROM PROCEEDINGS – NONMEMBER |
| SOCIAL ACTIVITIES/ADDITIONAL TICKETS | | | | |
| US\$60 | | | | SHRIMP BOIL (Saturday, 27 October 2007) |
| US\$150 | | | | GOLF TOURNAMENT (Sunday, 28 October 2007) |
| US\$35 | | | | WELCOME RECEPTION (Tuesday, 30 October 2007) |
| US\$100 | | | | CONFERENCE DINNER (Wednesday, 31 October 2007) |
| US\$40 | | | | LUNCHEON – Check day you will attend <input type="checkbox"/> Tuesday <input type="checkbox"/> Wednesday <input type="checkbox"/> Thursday |
| TOTAL US\$ | | | | |

YOUNG PROFESSIONALS WORKSHOP (Monday, 29 October 2007) **COMPLIMENTARY**

This is a limited attendance workshop. Complimentary registrations will be issued on a first-come first-served basis. The Workshop is for young professionals under the age of 35 years and with less than 10 years industry experience. Please tick box if you wish to attend. **YES! I would like to attend.**

PAYMENT OPTIONS:

U.S. Dollars Cheque or Money Order Payable to
Society of Petroleum Engineers

American Express MasterCard
 Diners Club Visa

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(Credit Card Payment will be in U.S. Dollars only.)

Check here for Indonesian Rupiah payment on-site. Rupiah currency will be accepted on-site only at that day's rate. However, registrants are encouraged to advance register and then make payment on-site at the conference.

REFUND DEADLINE: Cancellations in writing must be received by this office no later than **15 October 2007** to receive a refund less US\$100 processing fee. No refund will be issued if a registrant fails to show up at the conference on-site.

**To submit your registration on-line,
please visit the SPE Web Site at www.spe.org
(Credit Card Registration Only)**

**A GLANCE AT 2007-2008
SOCIETY OF PETROLEUM ENGINEERS
EVENTS IN ASIA PACIFIC**

2007

Applied Technology Workshops

“Capture and Geological Storage of CO₂”
7-10 October • Perth, Australia

“Wellbore Integrity”
14-17 October • Perth, Australia

“Second Stage Field Development”
14-17 October • Kyoto, Japan

“Improved Oil Recovery”
4-7 November • Bangkok, Thailand

“Resources to Reserves for Asset Development”
18-21 November • Penang, Malaysia

“LNG – Challenges to Development”
18-21 November • Kota Kinabalu, Sabah, Malaysia

**“Reservoir Testing in a World of High
Production Values”**
11-14 December • Bali, Indonesia

**Asia Pacific Health, Safety, Security and
Environment Conference and Exhibition**

10-12 September • Bangkok, Thailand

2008

Applied Technology Workshops

“Asset Integrity”
January • Penang, Malaysia

“Decommissioning”
January • Penang, Malaysia

**“Well and Reservoir Management – Best Practices for
Increased Production and Reserves Addition”**
24-27 February • Bandar Seri Begawan, Brunei

“Joint Venture Challenges”
March • Malacca, Malaysia

“Management of Technology”
16-19 March • Langkawi, Malaysia

“Young Professionals Workshop”
26-29 March • Bangkok, Thailand

Forum Series In Asia Pacific

“Deepwater – The Way Forward”
11-16 May • Phuket, Thailand or Hangzhou, China

Asia Pacific Drilling Technology Conference

25-27 August • Jakarta, Indonesia

**Asia Pacific Oil & Gas
Conference and Exhibition**

20-22 October • Perth, Australia

International Petroleum Technology Conference

3-5 December • Kuala Lumpur, Malaysia

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