



Society of Petroleum Engineers

9–10 November 2010 | The Royal Marquee, Hilton Kuwait Resort | Mangaf, Kuwait

**Early Bird Registration Deadline:
9 September 2010**

SPE Applied Technology Workshop ***Heavy Oil Resource: Opportunities and Challenges***



Who Should Attend

- Engineers
- Geologists
- Researchers
- Field development and operation managers

Committee Members

Chairperson:

Badria Farhad, Kuwait Oil Company

Co-chairperson:

John Hoholick, ExxonMobil

Co-chairperson:

Manika Prasad, Colorado School of Mines

Coordinator:

Naz Gazi, Kuwait Oil Company

Abdul Razak Ali, Eastern National Oilfield Services

Ahmad Al-Khuraibet, BJ Services Company (USA)

Ali Akbar, Kuwait University

Ali Al-Gheithy, Petroleum Development Oman

Annette Sureau, Total

Eissa Al Safran, Kuwait University

Fahad Al-Ajmi, Saudi Aramco

Fowzia Abdullah, Kuwait University

Gary Greaser, Chevron

Guillermo Velasquez, Halliburton

Hussain Dashti, Kuwait Oil Company

Jassim Al-Kanderi, Kuwait Oil Company

John Cadenhead, Schlumberger

John Schnessl, CMG

Khaled Al-Mushaileh, Kuwait National Petroleum Company

Meena Marafi, Kuwait Institute for Scientific Research

Mohammad Al-Qattan, Al Dorra Petroleum Services

Robert Gales, Weatherford

Scott Smith, Occidental Petroleum

Simon Bennett, Shell

Sultan Al-Otaibi, Kuwait Oil Company

Yousef M. Al-Shobaili, Saudi Aramco

Yousif Ahmed, Kuwait Gulf Oil Company

Workshop Abstract

Vast quantities of heavy oil are trapped in the Middle East; a very prolific oil region besides the traditional known heavy oil provinces of the world. This workshop will take a multidisciplinary approach to discuss the more relevant advances in the application of upstream and downstream technologies, workflows and decision processes related to heavy oil reservoirs, an important resource that is nowadays an integral part of the oil development plans of oil producing countries.

New technologies specifically invented for the heavy-oil resources have facilitated the special challenges related to the development, production, transportation and commercialisation of this crude. This workshop will focus on the current developments, successful case histories and lessons learnt from the heavy oil related technologies, as well as on all the activities that help make heavy oil resources reservoirs profitable assets.

Industry wide producers and service companies will exchange their experiences, knowledge and case histories in solving the key uncertainties, challenges and issues pertinent to the economic development and processing of heavy oil resources including:

- Heavy oil global perspectives
- Field development and reservoir management
- Production operations challenges
- Downstream value creations

www.spe.org/events/10aku2

WORKSHOP

Heavy Oil Resource: Opportunities and Challenges

Sponsorship Support

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Sponsorships are offered on a first come basis. Please contact SPE to verify the availability of a particular sponsorship. Existing sponsors have the opportunity to renew the same level of sponsorship for annual workshops. Sponsorship packages remaining are as follows:

- Luncheons - Per Day
- Coffee Breaks - Per Day

Sponsorship Benefits

In addition to on-site recognition; SPE will recognise sponsors on the SPE website and in all printed material for the workshop.

For More Information

For a detailed list of available sponsorships, including benefits and pricing, contact Deepa Choitram, at dchoitram@spe.org.

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arcis
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Tuesday, 9 November 2010

0905–1055 hours

Session 1: Heavy Oil Global Perspectives

Session Chairmen: Naz Gazi, Kuwait Oil Company; Simon Bennett, Shell

This workshop will provide in its opening session the challenges and opportunities for heavy oil developments and put into light the nature of the issues facing the industry in this area. An outlook for heavy oil production will aim to provide an insight into the impact of heavy oil developments in areas such as demand for reservoir management, drilling, facilities and infrastructure as well as enhanced regulatory requirements. The outlook may also address the affects upon overall crude pricing, quality and its impact on refining type and capacity. Differentiation of heavy oil developments to secure cost and price advantages through enhancements of the heavy oil value chain will be introduced since the technologies employed may, in the future, require different ways of working and different deliverables from petroleum engineers. In this session an overview of Middle Eastern experiences and opportunities in heavy oil developments will be presented as an introduction to subsequent sessions where case histories will be presented.

1330–1520 hours

Session 2: Field Development and Reservoir Management

Session Chairmen: Gary Greaser, Chevron;
Jassim Al-Kanderi, Kuwait Gulf Oil Company

The oil industry has a long history of developing heavy oil projects using thermal and non-thermal technologies. Heavy oilfield development has addressed many types of reservoirs; however, the Middle East heavy oil reservoirs present some additional challenges as many of these reservoirs are carbonate and fractured carbonate. This session will discuss the industry's use of modelling and other forecasting techniques, new recovery technologies, and new well and completions designs for heavy oil development options. Reservoir management programmes are critical to the success of an active project including well surveillance and reservoir monitoring. Case histories and new development plans will be covered.

2000–2130 hours

Dinner

Wednesday, 10 November 2010

0835–1040 hours

Session 3: Production Operations Challenges

Session Chairmen: John Cadenhead, Schlumberger;
Sultan Al-Otaibi, Kuwait Oil Company

The reserve of conventional oil is decreasing at an alarming rate and it is leading to price hikes for conventional crude. Finding alternative energy sources including heavy oil is therefore a major agenda of the day. Availability of heavy oil is more than double than that of conventional oil. Thus there is an incentive to explore the heavy oil, with a priority. This workshop is arranged to address the problems related to production operation issues and to share the lessons learnt through heavy oil production plants. In this session our focus will mostly be on the surface facilities for CSS, SF and SAGD although not limited to it.

1040–1210 hours

Session 4: Downstream Value Creations

Session Chairmen: Meena Marafi, Kuwait Institute for Scientific Research;
Khaled Al-Mushaileh, Kuwait National Petroleum Company

This session will focus on downstream value creation for heavy oil. Global refineries and global capability will be a key topic of discussion as well as future plans for maximising downstream value from heavier crudes. As upstream technologies become more efficient and global production of heavy crude becomes more economic, downstream processes and technologies must meet the challenge of maximising the value of the heavier crudes. This session will focus on emerging technologies, upgrading technologies, global capabilities, and refining efficiency gains for accomplishing this challenge and doing so while producing a final product which has minimal environmental impact.

General Information

Workshop Venue

The Royal Marquee
Hilton Kuwait Resort
P.O. Box 7887, Fahaheel 64009, Mangaf, Kuwait
Tel: +965.2225.6222
Fax: +965.2225.6290
Email: reservations.kuwait@hilton.com
Website: www.hilton.com

Workshop Guidelines

Format

Two (2) days of informal discussions prompted by selected keynote presentations and discussions. Workshops maximise the exchange of ideas among attendees and presenters through brief technical presentations followed by extended Q&A sessions. Focused topics attract an informed audience eager to discuss issues critical to advancing both technology and best practices. The majority of the presentations are in the form of case studies, highlighting engineering achievements and lessons learnt. In order to stimulate frank discussion, no proceedings are published and the press is not invited to attend.

Documentation

- Proceedings will not be published; therefore, formal papers and handouts are not expected from speakers.
- Work in progress, new ideas, and interesting projects are sought.
- Professionally-prepared visual aids are not required; handwritten view graphs are entirely acceptable.
- Note-taking by participants is encouraged.

Poster Session

The Steering Committee encourages registrations from professionals who are able to prepare and present a poster on a relevant project. For further details kindly contact Deepa Choitram, event manager at dchoitram@spe.org.

Attendance

Registrations will be accepted on a first-come, first-serve basis. The Steering Committee encourages attendance from those who can contribute to the workshop most effectively either in discussions or with posters. A mix of attendees in terms of geographic origin, companies and disciplines will be encouraged.

Workshop Deliverables

- The Steering Committee will appoint a "scribe" to record the discussions and to produce the full workshop report for SPE.
- This report will be circulated to all attendees as the workshop deliverable within 4–6 weeks following the workshop. The copyright of the report is with SPE.
- PowerPoint presentation materials will be posted on a specific SPE URL address after the workshop. Provision of the materials by the speakers will signify their permission for SPE to do so.

Commercialism

In keeping with ATW objectives and the SPE mission, commercialism in posters or presentations will not be permitted. Company logos must be limited to the title slide and used only to indicate the affiliation of the presenter and others involved in the work.

Attendance Certificate

All attendees will receive an attendance certificate attesting to their participation in the workshop. This certificate will be provided in exchange for a completed Workshop Questionnaire.

Continuing Education Units

Attendees at this workshop qualify for SPE Continuing Education Units (CEU) at the rate of 0.1 CEU per hour of the workshop.

Registration Information

This is a nonresidential workshop. The registration fees include all workshop sessions, coffee breaks, luncheons and dinner. The registration fees are as follows

Before 9 September 2010:	USD 1,450 SPE Member	USD 1,550 Nonmember
After 9 September 2010:	USD 1,850 SPE Member	USD 1,950 Nonmember

Cancellation and Refund Policy

- A processing fee of USD 100 will be charged for cancellations received before the registration deadline 9 October 2010.
- For cancellations received after the registration deadline, 9 October 2010, 25% refund will be made to the registrant.
- No refund on cancellations received within seven (7) days prior to the workshop date, i.e. on or after 2 November 2010.
- No refund will be issued if a registrant fails to attend the workshop.

Registration Policy

- Registration fee MUST be paid in advance for attending the Applied Technology Workshop.
- Full fixed fee is charged regardless of the length of time that the registrant attends the workshop.
- Fixed fee cannot be prorated or reduced for anyone (workshop co-chairpersons, committee members, speakers, discussion leaders, students and registrants).
- Attendees are expected to attend all workshop sessions and are not permitted to attend on a partial basis.
- Delegates with no proof of advance payment are required to pay on-site by cash or cheque, present a copy of the wire transfer or submit a letter from their company guaranteeing payment of the workshop fees.

PLEASE USE INSIDE FORM FOR REGISTRATION



