

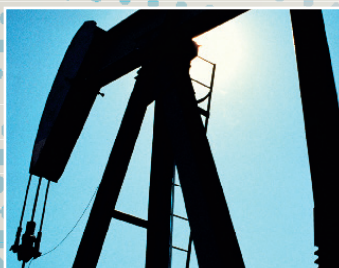


Society of Petroleum Engineers

21–23 February 2010 | The Petroleum Institute | Abu Dhabi, United Arab Emirates

Register by 21 January 2010

SPE Applied Technology Workshop *Best Practices and Challenges in the Development of Sour Gas Fields*



Who Should Attend?

This workshop is directed to technical professionals and technical managers who are engaged in any aspect of development and operation of sour gas field and its production systems and facilities.

Committee Members

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Workshop Abstract

As the economic development continues to grow in the region, demand for gas will continue to increase requiring the petroleum industry to find new resources. The move will now be to develop difficult and unconventional resources, both onshore and offshore and with high levels of H₂S and CO₂ concentrations.

The industry has gained significant experience in the drilling, production and processing of gas resources containing low to average concentrations of H₂S and CO₂. However, the development of highly sour gas reservoirs particularly at high temperatures and pressures will require deployment of new technology in drilling/completion, production and processing. Besides technology, increased risk to safety and the environment will be a key aspect of any such undertaking. To access these unconventional resources, the oil and gas industry will have to develop sour gas fields safely and cost effectively through the deployment of technology in both upstream and downstream sectors.

There are many major challenges in development of sour-gas fields such as maintaining integrity of the well and production system. Marketing sulphur is difficult because elemental-sulphur recovery and production costs are high whilst sulphur markets are unpredictable. Given these issues, utilisation of acid gas for Enhanced Oil Recovery (EOR) is most attractive. Alternately, re-injection of acid gas into depleted formations is appealing. In both instances, however, technical and operational viability pose significant challenges.

Workshop Objectives

This workshop is designed to bring together a group of professionals and provide an opportunity to share current industry knowledge, experiences and best practices for the efficient development of reservoirs and operation of facilities with high acid gas.

The workshop is geared to bring together experts from owners, contractors and suppliers and provide a forum for exchanging ideas in all areas of the value chain: from reservoir, drilling, completions, processing and transportation. A key component of the workshop will focus on HSE, sulphur marketing and metallurgical advances that are critical to developing, producing and operating such assets.

Workshop Guidelines

Format

Workshops maximise the exchange of ideas among attendees and presenters through brief technical presentations followed by extended Q&A periods. 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 learned. In order to stimulate frank discussion, no proceedings are published and the press is not invited to attend.

Documentation

Proceedings from the workshop will not be published; therefore, formal papers and handouts are not requested of speakers or panel members. A URL containing released copies of the workshop presentations will be available to attendees within 4–6 weeks following the workshop.

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 Makhija, event manager at dmakhija@spe.org.

Scribe Report

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.

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

This workshop qualifies for SPE Continuing Education Units (CEU) at the rate of 0.1 CEU per hour of the workshop.

Commercialism

In remaining consistent with workshop objectives and SPE guidelines, excessive commercialism in presentations will not be permitted. Company logos should be limited to indicate the affiliation of the presenter(s).

Cost and Residency Information

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

Before 21 December 2009:

SPE Member	USD 1,290
Nonmember	USD 1,390

After 21 December 2009:

SPE Member	USD 1,690
Nonmember	USD 1,790

Cancellation and Refund Policy

- A processing fee of USD 100 will be charged for cancellations received before the registration deadline 21 January 2010.
- For cancellations received after the registration deadline, 21 January 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 14 February 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 cochairpersons, 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.

PLEASE USE INSIDE FORM FOR REGISTRATION

ATTENTION NONMEMBERS:

*Sign Up on-site for One Year Membership and Get One Additional Year!
For More Information Call SPE Middle East, North Africa and India on
+971.4.390.3540 or Email: dmakhija@spe.org.*

WORKSHOP

Best Practices and Challenges in the Development of Sour Gas Fields

Sponsorship Support

Sponsorship support helps offset the cost of producing workshops and allows SPE to keep the attendance price within reach of operations-level individuals, those who benefit most from these technical workshops.

Sponsors benefit both directly and indirectly by having their names associated with a specific workshop.

While SPE prohibits any type of commercialism within the conference hall itself, the society recognises that sponsoring companies offer valuable information to attendees outside the technical sessions.

Sponsorship Categories

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 available for this workshop are:

- Stationery
- Audio-Visual Equipment
- Lanyards
- Speaker Gifts
- Luncheon – Per Day
- Coffee Break - Per Day
- Welcome Reception and Dinner
- Workshop Coffee Breaks
- Bronze Sponsorship
- Silver Sponsorship
- Gold Sponsorship

Sponsorship Benefits

In addition to onsite recognition, SPE will recognise sponsors on the SPE website and in all printed material for the workshop. Based on the sponsorship selected, sponsoring companies also receive logo visibility on promotional workshop items.

For More Information

For a detailed list of available sponsorships, including benefits and pricing, contact Deepa Makhija, event manager at dmakhija@spe.org

Workshop Sponsor



Gold Sponsor
Schedule



Silver Sponsor



Bronze Sponsor

Sunday, 21 February 2010

1700–1800 hours Registration and Badge Collection

Monday, 22 February 2010

0800–0830 hours **Key note speech**

0830–1000 hours

Session 1: Health Safety and Environment

- H₂S the silent killer - A safety presentation by ADNOC group of operating companies (include principles of HSE Management)
- Dispersion modelling of toxic gas
- Best HSE practices in drilling and operation of sour gas fields

1030–1230 hours

Session 2: Drilling and Completion

- Best practices in the drilling of high pressure and high temperature sour gas wells
- Design and operation of well test in high pressure and high temperature sour gas fields
- Material Selection in sour gas well completion

1400–1430 hours **Poster session**

1430–1630 hours

Session 3: Geoscience and Reservoir Engineering

- Geochemistry of a sour gas reservoir origin, migration and accumulation of H₂S
- Potential reactions between injected acid gas and reservoir
- Injection of Sour Gas into condensate reservoirs to optimise recovery

Tuesday, 23 February 2010

0800–1000 hours

Session 4: Field Operations

- Use of multiphase meters vs. test separator
- Sour gas injection lessons learned
- Acid/Sour Gas Injection Case Studies/Best Practices/ Lessons Learned
- Prediction and handling of elemental sulphur in the production systems
- Best practices and lessons learned in operation of sour gas

1030–1230 hours

Session 5: Transportation and Processing

- Recent technical advances in sour gas sweetening
- Optimum design practices for selection of piping and gathering systems in Sour Gas environment
- Recent advances in design and operation of compressors
- Multiphase pumps in sour gas wells

1400–1430 hours **Poster session**

1430–1630 hours

Session 6: Integrity Management

- Best practices to ensure well completion integrity
- Well integrity management of sour gas
- Best practices for control, monitoring and surveillance of hydrogen induced damage in existing operating facilities
- Prevention and mitigation of corrosion and scale deposition in Acid Gas environment including effects of chlorides

Register by 21 January 2010

