

The Chairman's Corner

Niladri Kumar Mitra

Chairman 2005-06



Dear Friends,

It gives me great pleasure to share with you that with this inaugural issue of SPENDSEC NEWS, we have achieved yet another milestone, after the successful launch of SPE New Delhi section website that was first of its kind in India. Our endeavour would be to bring out newsletter on a monthly basis.

You may recall that the Kick Off meeting, to form New Delhi section, was held on December 13, 2004. A small group of volunteers assembled at Jeevan Bharti Building and signed a petition for the formation of new section.

On March 13, 2005 Society of Petroleum Engineers' Board of Directors approved the New Delhi section and forwarded us the Section Charter signed by Mr. Giovanni Paccaloni SPE President 2005 and Mark Rubin, Executive Director, SPEI. Thereafter, our first formal section meeting was held on April 26, 2005 which was attended by 18 members.

As you are aware, SPE is about learning, sharing and dissemination of knowledge and new technologies in the field of E & P of petroleum. Its very purpose is to add value to and enhance the career of engineers and technologists in the petroleum industry. It's about volunteerism and leadership. As a team we will work towards following the Best Practices and establishing new ones for the others.

We will very soon launch a membership drive, keeping a focus on inducting many young members who could become leaders tomorrow.

Being the founder Chairman, I am quite optimistic in my view that New Delhi section has all the capability to grow to catch up with the other sections not only in India but rest of the World.



SPE International President to Visit New Delhi Section

Special Announcement

Rahul Bali

Secretary 2005-06

You will be pleased to know that Mr. Giovanni Paccaloni, SPE international President 2005, shall be visiting New Delhi section in the month of December 2005. To welcome him, our section is planning a very special meeting on December 3, 2005. More details in next issue.



Giovanni Paccaloni



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Highlights of First Formal Section Meeting

April Section Meeting

Rahul Bali

Secretary 2005-06

First formal meeting of the newly formed SPE New Delhi section was held on April 26, 2005 at 9th Floor Conference Room Jeevan Bharti Building at 1830 Hrs.



The New Delhi Section Charter was formally received by the Section Chairperson Mr. N.K. Mitra, who thanked SPE Board of Directors for their approval

Section Chair lauded the efforts put in by the members for section formation in record time.

During the meeting members watched the webcast of **'The Debate (Peak Oil) between Dwindling Supply and Abundant Oil'** held during the Opening General Session of SPE Annual Technical Conference and Exhibition (ATCE) October 2004, Houston.

Everybody appreciated the innovative way of sharing the information and knowledge through webcast. This afforded a chance to the members, who could not personally attend the Annual Technical Conference, to go through the wonderful session.

The house was informed that there will be no meetings in the month of May and June 2005. The meeting ended with a vote of thanks by Section Treasurer Mr. Ramendra Sinha.



VISIT US AT

<http://newdelhi.spe.org>

Petrophysical Investigations within shale – sand laminae

September Section Meeting

Abstract:

Wireline logging for the true resistivities of thin sand-shale sequences has always been a problem. Conventional tools measure horizontal resistivity and these measurements are often dominated by the low resistivity shale laminae rather than the high resistivity sand laminae. This usually results in the petrophysicist missing the presence of the hydrocarbon bearing sand layers altogether.

In thinly laminated reservoirs, the horizontal conductivity is governed by the conductive shaly laminae of the formation. The low shale resistivity is the dominant part of the measurement, obscuring the presence of the hydrocarbons. Instead, if vertical resistivity measurements are available, the apparent resistivity measurement is sensitive to the presence of the hydrocarbon filled sand layers and would increase. Thus the two types of tools respond differently. This is the nature of the transverse resistivity anisotropy, and usually prevents the true values of bed resistivities.

The principle of the first technique in this direction has been by combining the standard induction log measurements with laterolog measurements. To have a good idea of the sand and shale units, microlog or FMI would be most appropriate. The other input parameter is the true shale resistivity.

Recently a tool which allows three sets of array induction measurements in the X-Y and Z directions has been introduced. Another Multi-array tri-axial induction tool is likely to be introduced, perhaps by late 2005. The multi-array Tri-axial induction measurements would enhance the understanding of the investigations of thin beds. A large number of them might be holding appreciable quantities of hydrocarbon, which normally would have escaped the conventional logging techniques. Understanding of their true value would help increase reserves in several of our known oilfields.



Dr P. Gopalakrishnan a Petroleum Engineer from ISM Dhanbad, joined ONGC in 1971. Resigned in 1973 to pursue higher studies under the GOI Scholarship scheme and got his Doctorate from the Institut National Polytechnique, Toulouse, France. Again joined ONGC in 1977 and contributed on variety of topics such as Thermal recovery projects of Western Region, Underground Coal Gasification, etc. In 1990 joined Kuwait Oil Company and worked till October 2004, mainly on Exploration and Development. He assessed the Steam Soak Pilots carried out in 1982-83 and proposed a commercialization plan for this technique. After returning to India he worked for the New Delhi office of Geopetrol International Inc, as Technical Head till August 2005. Currently he is freelance Consultant Reservoir Engineer.



CALENDAR OF EVENTS

SEPTEMBER SECTION TECHNICAL MEETING

DATE: SEPTEMBER 23, 2005

PLACE: JEEVAN BHARTI

TIME: 1700 HRS

TOPIC: Petrophysical Investigations within shale – sand laminae-Recent technical innovations.

SPEAKER: DR. PARATHURUTHIL GOPALAKRISHNAN

SPECIAL SECTION EVENT

DATE: DECEMBER 03, 2005

PLACE: TO BE DECIDED

TIME: EVENING

SPEAKER: GIOVANNI PACCALONI, SPE PRESIDENT 2005



Brief History of New Delhi Section:

Rahul Bali

Secretary 2005-06

The efforts to establish New Delhi section were initiated more than a year back. Members in and around New Delhi were contacted through emails, telephone etc. The responses were highly positive. To set the ball rolling, it was decided to hold a meeting.

The kickoff meeting to establish this section was held on December 13, 2004 wherein a provisional Section Officers' Committee (Founder Section officers), under the chairmanship of Mr. N.K Mitra, took up the responsibility of initial setting up process.

A petition for section formation was signed by the members present and was later sent to SPE International for approval.

We requested SPE North India and SPE India sections to release the regions that will now be under the jurisdiction of New Delhi Section. North India section promptly sent the release form on December 20, 2004 and the same was forwarded to SPEI as part of the Section formation petition.

After exactly three months, on March 13, 2005 New Delhi Section became an official section of Society of Petroleum Engineers (SPEI).

Later, on May 24, 2005 India section also released the requested region in New Delhi Sections favour.



An honest, straightforward response to an email sent to several members in exploring 'New Delhi section formation possibilities'

That's nice, but...

Rahul,

'It gives an elated feeling to form a Delhi section of SPE, to begin with. However I am highly skeptical about any move where technical dimensions are put aside and these sections become a lecture room for higher ups in the organizations. That's what been happening in most of the sections (SEG, SPWLA) in India. I have been a member of SPE and SPWLA since 1988, but I always doubt the technical fruitfulness of any section in India. We have to have very clear objectives. Good sections always promote technical exchanges of a standard, publish section news/technical papers, create website, coordinate with society, assign job with responsibility and generate funds from their own.'

I don't know the objective behind your mind, I am afraid of listening boring lectures and I am not interested in impressing my bosses this way. However you may find my utmost support if we have some real technical work to achieve within sections. For good cause I am available."

Vimal Saxena

ONGC

July 28 section meeting was cancelled, due to Tragic Accident at BHN Platform, Mumbai High.

SPE New Delhi section expresses deep sorrow at the tragic accident that occurred at BHN, Mumbai High on July 27, 2005. We express our heartfelt condolences to the bereaved families of all victims who lost their lives in the tragic accident. May Almighty God give enough mental strength and courage to the bereaved families to face this irreparable loss.

We salute all those who have fought against all odds of the nature and survived from this tragic disaster. We pray for their safety and well-being.

Borehole Acoustics for Petrophysical Evaluation

August Section Meeting

Abstract:

Starting with age old concept of sonic porosity, modern acoustic logging has moved to uncover new facet of Petrophysics that was never thought possible initially. The shear revelation has opened the way for a broad range of poro-elastic and lithology applications. The development of Stoneley wave concept has been crucial to uncover formation permeability and evaluate fractures. Borehole acoustics also works as potential hydrocarbon indicator that has been extended to seismic vision. It not only serves the need for qualitative hydrocarbon evaluation but significant quantitative estimations are made possible. With tool development, the openhole borehole acoustics has moved to quality casedhole measurement that defines the scope for re-evaluation in old wells and identification of by-pass oil. Acoustic studies have provided the aspect ratio modeling that allows a macroscopic view of microscopic grain distribution within the formation. It also serves the need of systematic velocity inversions from P to S or vice-versa. The technologies like shear splitting provide anisotropy evaluation, stress direction and faults. Today the new technology is underway to generate high quality sonic measurement-while-drilling. It not only supplements the later sonic measurements but effectively supports the drilling. The lecture summarizes the transition from conventional to modern borehole acoustics. It demonstrates major acoustic applications through case histories and shows the road ahead.



Mr. Vimal Saxena obtained his M.Tech. from Indian Institute of Technology, Delhi, India, 1980. After a brief stint as Solar Energy Scientist, in 1983 he joined University of Sagar, India as Lecturer (Physics). He joined Oil and Natural Gas Corp. Ltd. in 1985 as Geophysicist. He has worked in ONGC-Schlumberger collaborative research centre and has served field assignments for exploration and development. He has also served Govt. of India for techno-administration in oil industry. Mr. Saxena has special domain of research interest in borehole acoustics and is credited with 9 research publications. He is honoured with Awards from ONGC's Chairman and Director (Exploration). He is currently serving as Research Petrophysicist at Corporate Exploration Center-ONGC. He is a member of SPE, SEG, SPWLA and EAGE.



Highlights of August Section Meeting

August 25, 2005

Ajay Dashore

The Technical cum Monthly Section meeting of SPE New Delhi Section was held on 18th Aug 2005 at Jeevan Bharti Building, ONGC, Delhi.

The meeting commenced with a two minutes silence as homage to the fellow oilmen who lost their lives in the tragedy which had taken place on BHN offshore platform on 27th July 2005.

A brief update about the developments of the section was presented by the Secretary Mr. Rahul Bali. An introduction about the newly launched website <http://newdelhi.spe.org> of New Delhi section was given. The site shall also be opened for the sponsors and corporate affiliate members.

Mr. N.K. Mitra, Section Chairman, appreciated the efforts of SPE team and desired that the membership strength of the section needs to be further boosted. Informing the house about the upcoming visit of 2005 SPE International President Mr Giovanni Paccaloni on December 3, 2005, Mr. Mitra opined that it would be a good opportunity for the members and other professionals from E&P industry, to benefit from his visit. He advised that a team be formed to organize the special meeting.

Mr. Vimal Saxena, ONGC delivered his paper on Borehole Acoustics for Petrophysical Evaluation. The audience took keen interest in the presentation and this was visible in the active question answer session.



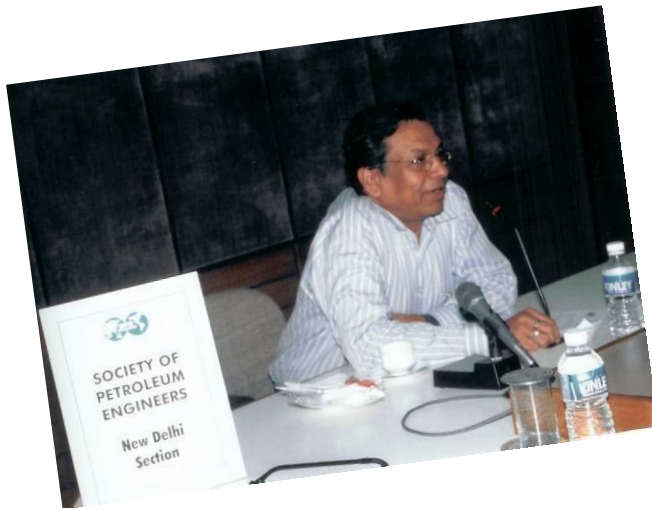
Mr. Vimal Saxena delivering his talk on August 18, 2005

A Certificate of Appreciation was presented to him.

The meeting ended with the vote of thanks to the speaker and attendees by Dr P. Gopalakrishnan.



Glimpses of Technical Session on August 18, 2005



September Technical Meeting Announcement

Petrophysical Investigations within Shale – Sand Laminae Recent Technical Innovations

Speaker- Dr. Parathuruthil Gopalakrishnan

Friday, September 23, 2005

at 1700 Hrs

Venue- 9th Floor, Conference Room, ONGC



Jeevan Bharti Building, Tower II

Indira Chowk, New Delhi

To check details visit events section at our website at <http://newdelhi.spe.org>




SPE New Delhi Section's Birth Certificate



SECTION CHARTER

This certifies that the
New Delhi Section
became an official section
of the
Society of Petroleum Engineers
on the
13th day of March, 2005


SPE President

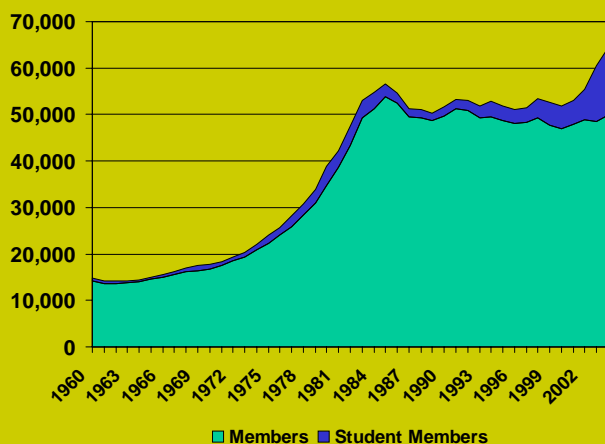

SPE Executive Director

Forthcoming Regional and International Events

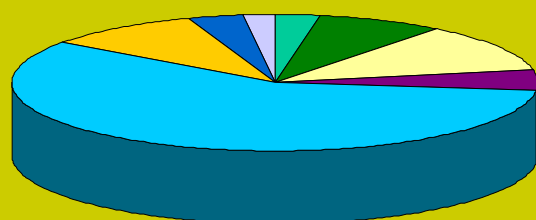
DATES	MEETING	LOCATION
12 - 14 Sep 2005	SPE/IADC Middle East Drilling Technology Conference and Exhibition	Dubai, United Arab Emirates
18 - 21 Sep 2005	Estimating and Reporting Reserves: Uncertainties, Opportunities, and Risks - ATW	Tunis, Tunisia
25 - 28 Sep 2005	Facilities: Unlocking Production and Maximizing Value - ATW	Dubai, UAE
13 - 16 Nov 2005	NMR Petrophysics Beyond Theory: "No Spins" - ATW	Marrakech, Morocco
21 - 23 Nov 2005	International Petroleum Technology Conference	Doha, Qatar
10 - 13 Dec 2005	SPE/EAGE Reservoir Characterization and Simulation Symposium	Dubai, UAE
28 Aug - 2 Sep 2005	Sand Management Strategies - ATW	Sanya, Hainan Island, China
4 - 8 Sep 2005	Heavy Oil Development - ATW	Sanya, Hainan Island, China
13 - 16 Sep 2005	Young Exploration and Production Professionals Workshop	Malacca, Malaysia
19 - 21 Sep 2005	Asia Pacific Health, Safety, and Environment Conference and Exhibition	Kuala Lumpur, Malaysia
24 - 29 Sep 2005	Chemical Flooding - ATW	Daqing, Heilongjiang, China
13 - 17 Nov 2005	Win-Win Operator/Supplier Relationships --- A Team Approach - ATW	Phuket, Thailand
9 - 12 Oct 2005	Annual Technical Conference and Exhibition	Dallas, Texas USA

2004 SPE MEMBERSHIP REACHES NEW PEAK

MEMBERSHIP APPROACHES 65,000, INCLUDING MORE THAN 14,000 STUDENTS

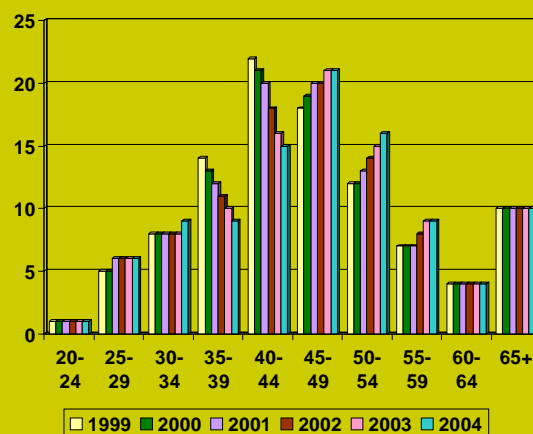


SPE MEMBERSHIP GROWING IN ALL REGIONS
2004 MEMBERSHIP, EXCLUDING STUDENT MEMBERS



■ Africa
■ North Sea
■ North America
■ South America/Caribbean
■ Middle East
■ Europe/Russia
■ Asia Pacific
■ Unassigned

DESPITE SLIGHT INCREASE IN YOUNG MEMBERS IN 2004,
AVERAGE AGE REMAINS OVER 45
SPE MEMBERSHIP, EXCLUDING STUDENT MEMBERS



Source: SPE website

"Membership and participation in SPE provides both an understanding of professionalism and opportunities to be a part of a unique slice of an international society. SPE will make a difference in how you think, how you work, and how you make technically based decisions."

K.Terry Koonce

President

ExxonMobil Production Co.

SPE Member since 1964

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FEW IDEAS FROM YOU

Here's your copy of **FIRST** 'SPENDSEC NEWS' published to exchange ideas to enhance section operations as well keeping members informed on section activities and events. We are relying on YOU to provide ideas and information to share with your section colleagues. Please communicate with us

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