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New Delhi Section
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Winner of 2006 SPE President's Award for Section Excellence

SPENDSEC

Volume 3 • Issue 1 • August 2007

NEWS

Chairman's Corner



Dear Member,

Second time in a row!

We have done it again!!

Congratulations!!!

I feel very proud to inform you that your SPE New Delhi Section has been selected for 2007 SPE President's Award for section excellence second year in a row. This prestigious award will be presented to us at the President's Luncheon that will be held Wednesday, 14 November 2007 at 11:30 a.m., in the Anaheim Convention Center's (ACC) California, USA during the SPE ATCE 2007.

This prestigious award recognizes SPE sections whose efforts in technology dissemination, membership development, member programs, Students Interaction, Communication, cooperation with other civic and professional organizations are exceptional and much more.

On the nostalgic note - March 13, 2005 we got our charter. History was created in the very first year by being selected for 2006 SPE President Award for Section Excellence. I, as the new Chairperson of this section, faced the challenge of taking this young section to a greater height, especially in light of the quantum leap taken in the very first year of existence. This was a daunting task.

By winning this prestigious award for the second consecutive year for a section barely two and a half year old, we have probably created history again. Moreover, we are the first section in SPE Middle East region to receive this prestigious award twice that too in a row.

All this could not have been possible without the untiring and sincere efforts of the dedicated Section Officers, Quality talks by our distinguished speakers, support from our Corporate Sponsors and above all active participation by all the section members. A great team effort indeed.

We should take pride as a member of New Delhi Section. We should also take pride to serve the society through such a vibrant section. It's really a great feeling to lead one of the best sections in the world and to be member of such an active group of Section Officers.

With this issue, our newsletter SPENDSEC has entered into the third year of publication and I congratulate the editorial team for not only making efforts in issuing them, but also making sure to maintain quality and regularity in doing so. SPENDSEC News has become a brand by itself.

Last time we met on July 27 to participate in the Heavy Oil symposium. This was an experimental symposium on two counts—

- That we can organize a meeting at this scale with so much technical detailing.
- That our members were ready for such long sessions.

I am proud to say that this symposium was a grand success. Four papers by five speakers were presented to a record audience of more than 100 in numbers. Even today we are receiving congratulatory and appreciation letters from our members who attended this symposium.

Such events can now be part of our annual program. My compliments to the organizing team for the success.

On September 10 we shall have another SPE Distinguished Lecture (4th one during this term). Alberto Di Lullo, renowned for his R&D efforts in flow-assurance projects, will be sharing with us his knowledge & experience on Low-Cost, Non-invasive, Remote Pipeline, and Well-Inspection Techniques to improve production.

In addition to this we are all set to celebrate the 50th Anniversary of SPE International in a grand way on 6th of October, 2007. That would be the time to recognize and honour deserving SPE and Industry professionals in recognition of their excellent contribution to the our section, to the petroleum industry as well as to celebrate the moment of glory in winning the SPE's prestigious award on section excellence with you all. We will also fulfill our commitment towards scholarship / student support program during this meeting.

I am confident that this section has already become a role model not only for the Indian SPE sections but also for several sections worldwide. Therefore, onus lies on us not to rest on the laurels but to exceed our expectations every time.

A.K. Hazarika

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SPE 50th Anniversary Celebrations and SPENDSEC Awards Banquet

Saturday October 6, 2007

SEPTEMBER TECHNICAL MEETING

MONDAY SEPTEMBER 10, 2007

Low-Cost, Non-Invasive, Remote Pipeline and Well Inspection Techniques

Alberto Di Lullo
EniTecnologie
SPE Distinguished Lecturer



Time : 1900 hrs

Venue:
Magnolia,
India Habitat Centre,
Lodhi Road, New Delhi-110003

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

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In Response to SPENDSEC Winning President's Award

Dear All,

I would like to congratulate you all for this remarkable achievement of being selected to receive SPE President's Award for Section Excellence for the second year in a row.

New Delhi section is the first section in the Middle East Region to receive this Award on the second year of its establishment. And you did it again the following year through your commitment to serve SPE members in your area and your promotion to SPE activities. I am quite sure this was not be possible without an outstanding leadership from all of you.

Congratulation again and if I could be of any further help to post activities in your area, please do not hesitate to contact me.

Best Regards,

Ali H. Al-hasan
Director, SPE Middle East Region.

Dear Rahul,

This is fantastic..well done to all involved. I will be delighted to see you receive it in California.

Cheers
Andrew A. Young
Managing Director
Anzon Energy Limited

Dear Rahul,

Many sincere congrats for the excellent achievement and well deserved award. It has always been my great pleasure and honor to work with you and all members at New Delhi section and India.

Great job and keep up the outstanding work.

Best Regards

Mrs. Saba Al Tukmachy
Client Services Coordinator-SPE Middle East,
North Africa & India



22 August 2007

Mr. Ajit K Hazarika
Executive Director
Oil & Natural Gas Corp. Ltd.
9th Fl Jeevan Bharti Bldg
Tower-II 124 Indira Chowk
Connaught Pl
New Delhi 110 001
India

Dear Mr. Hazarika,

Congratulations! The New Delhi Section was selected to receive the 2007 SPE President's Award for Section Excellence. This prestigious award recognizes SPE sections whose efforts in membership development, member programs, technology dissemination, cooperation with other civic and professional organizations are exceptional and much more. As section chair for one of this year's prestigious award recipients, you will also receive one complimentary full conference registration and one ticket to the President's Luncheon. A list of Anaheim hotels can be found online at www.spe.org/atce. Please complete these registration forms and return them to SPE before the housing deadline, **10 September 2007**, in order to assure your accommodations.

To acknowledge the section's outstanding efforts, I would like to present the award to you at the President's Luncheon that will be held Wednesday, 14 November 2007 at 11:30 a.m., in the Anaheim Convention Center's (ACC). You will be seated at a reserved table with other award winners unless you request other assignment on the attached form. If you or your representative who will receive this award plan to attend the luncheon, the rehearsal for President's Luncheon award recipients will be on Wednesday morning, 14 November, from 10:30-11:30 a.m. in the convention center, check in is in room 304B, Convention Center, Level 3. At this meeting, you will receive specific instructions regarding the script and process for going on stage to receive your award. You will also be given your reserved table seating assignment and have your photograph taken with the SPE President.

Also note that the invitation-only SPE Board of Directors Reception will be held Sunday afternoon, 11 November, at the Anaheim Hilton, Lanai Deck. You will receive a separate invitation to this event in the coming weeks. Following this reception at 6 p.m., we kick off the conference with a Welcome Reception on the exhibition floor. We also encourage you to attend a traditional event of ATCE, the Annual Banquet, which will be held Monday evening, 12 November.

Please confirm your attendance by contacting Brian Wiggins, SPE Sections Manager, at phone number 972-952-9451 or e-mail address bwiggins@spe.org or should you have any questions, special requests, and/or need additional information. We hope to see you in Anaheim.

Sincerely,

Al-Khalifa

Jaleel Al-Khalifa
2007 SPE President

Cc: Mr. Rahul Bali, Secretary, SPE New Delhi Section
Mr. Ali Al-Hasan, Director, SPE Middle East Region

Americas Office

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Dear Rahul,

I am much delighted to hear about the outstanding achievement of the SPE New Delhi Section once again!. Congratulations! It is a matter of great pride, thanks to the hard work from yourself and all those who are involved in the day to day running of the SPE activities. I hope to see you in Anaheim in November.

Best regards,

Sara Thomas
Manager, Research
PERL Canad Ltd.

JULY MEETING REPORT

A Date With Heavy Oil – An Unforgettable Evening

A Report by Ramendra Sinha



July 27, 2007 saw yet another milestone in the annals of SPENDSEC's technical meetings. It was a date with Heavy Oil. A huge audience of more than 100 members and guests were present to know about experience and new developments in the field of heavy oil recovery.

Need for energy has made each one of us think in all possible directions to explore and exploit the available resources, to maximize the output at minimum cost. Presence of Heavy oil has been felt since long all across the world. Due to the adverse mobility of oil, recovery factor from heavy oil reservoirs have been very-low. The high mobility contrast between water & oil results in premature water breakthrough. In India, all E&P companies like ONGC, OIL & Cairn India Ltd have now come face to face with the situations where they need to understand the issues related to Heavy Oil recovery.

In this background, a symposium was organized by this



S K Jena presenting his talk

section where instead of sharing the experience of one speaker or a particular organization, there were four presentations from various companies working in India and globally.

Section Chair A K Hazarika set the ball rolling by giving a brief outline about the potentiality of Heavy Oil in the total oil production apart from some techno-economic issues related to its production. The technical session of the symposium was then chaired by S K Patra, a SPENDSEC member and Director (E&D), Oil India Ltd who outlined the various efforts by ONGC & Oil India Ltd. He specially mentioned the few projects that OIL has taken up. He introduced the speakers and also gave a brief of their subject.

S.K.Jena, Chief Geoscientist heading the G&G division of Rajasthan Project of Oil India Limited presented his talk on the Implementation of Cyclic Steam Injection Pilot for Ultra Heavy Oil (Bitumen) Recovery, Baghewala Field. This presentation gave a substantial picture of the efforts of OIL in this field. The experience of more than 25 years in Oil India Limited in fields of exploration, development and operations primarily in Upper Assam and Rajasthan onshore basins and his current involvement in study and execution of Heavy Oil Pilot Project at Baghewala field, was amply visible in the depth of his presentation.

This was followed by a unique experience – a presentation on Heavy Oil: Burning Reserves to Higher Oil Recovery by S Roychaudhury, executive Director OVL & Siddhartha Sur, GM (Reservoir), IRS, ONGC. Talking about the challenges of heavy oil exploitation that is dependant on low market price, low recovery, high capex and high opex, the duo went on to describe the unique challenges faced by the offshore and onshore environments. They shared the experience of the ONGC's adoption of in-situ combustion process in a systematic manner to enhance oil production and recovery from its heavy oil fields of Balol & Santhal. Inspite of the low oil



S Roychaudhury & Siddhartha Sur presenting their talk

prices of 1980's & 1990's, according to the speakers, ONGC continued R&D and field testing of the ISC process, which has resulted in one of the world's largest air injection project now under operation. Expressing their sing-song presentation in a spellbound manner, they boasted about the ability of this project in yielding about 10,000 bopd with a promise for cumulative incremental oil production of about 15 MM barrels in 10 years at an incremental Air to oil ratio of about 1000 Nm³/m³. The presentation in tandem by two speakers with several animated slides made this evening unforgettable.

Amitabh Pandey, working with Cairn India as a Reservoir Engineer on Rajasthan Northern Field Development Planning with major focus on planning for an early Chemical Enhanced Oil Recovery applications presented on EOR Potential for Rajasthan Oil Field. His presentation focused on Enhanced Oil Recovery Options being considered by Cairn for its newly discovered fields in Rajasthan and its potential in terms of accelerating oil production, increasing reserves and reducing water production. He elaborated the situations in the field and then went on to describe the various chemical EOR options that Cairn has identified as the most promising technology. Discussing on the results of the detailed laboratory evaluations he went on to emphasise the incentives for implementing EOR early along with plans for an early pilot testing.

To share global version on this topic, Kambiz Safinya the new Theme Director for the Schlumberger heavy oil initiative talked about Impact of Technology on Heavy Oil Development. Dr Safinya has been with Schlumberger for more than 26 years in a variety of technical, research, marketing and management roles. His career with Schlumberger has given him assignments ranging from research and development in wireline logging to electromagnetic equipment design, and from operations management and marketing to the integration of electromagnetic and seismic measurements. He talked about the quest for energy continues to grow, if not accelerate in the

context of a growing global economy while the first decade of the new millennium nears the end. According to him, limited access to conventional hydrocarbon reserves implies that unconventional resources, such as heavy oil reserves, once considered uneconomical are now sought by most international oil companies. The success of this endeavor depends critically on a close cooperation between oil companies, service companies and academic and government research organizations to develop new technologies which will produce heavy oil reservoirs, economically and in an environmentally acceptable manner. His talk focused on the impact of technology on the development of heavy oil reservoirs and explore how the service industry and the oil companies can work closer together to overcome the significant challenges that lie ahead.

After a brief question and answer session, the session chair S K Patra summed up all the presentations in the most eloquent manner. Section Chair A K Hazarika acknowledged the brilliant presentations of all five speakers by giving them a certificate of appreciation and a memento. He also thanked Session Chair S K Patra for ably conducting the proceedings of the evening and keeping the interest of all present alive during the long evening session.

This evening was a grand success which had two speakers and the session chair from the section – all being potential future SPE distinguish lecturer candidates in view of depth of their knowledge and elegant way of presentation. This evening was ably coordinated by executive committee member Anil Swani maintaining the liaison with the speakers and ensuring their presence.

A symposium on this scale, organized by the section, without outside support was first of its kind in India and its success has opened the gate for many more in future. SPENDSEC thanks all the speakers and Session Chair for giving a memorable evening.



Kambiz Safinya presenting his talk.

Glimpses of Symposium on Heavy Oil, Tuesday, July 27, 2007



SPENDSEC





New Delhi Section



Nominations Invited

SPENDSEC- the New Delhi section of Society of Petroleum Engineers, a society of professionals associated with the Petroleum Industry recognizes the contributions of individual's time and talent, and commitments to develop and implement programs that are essential for the growth of society and industry.

SPENDSEC, has therefore, established a system of awards for recognition of efforts that select group of professionals who can be cited for truly outstanding accomplishments and contributions. The categories and criteria for awards are available on our section website <http://newdelhi.spe.org> under Awards Section at <http://newdelhi.spe.org/article.cfm?id=73>

You are requested to nominate outstanding members and other prominent professionals for various categories of awards. Please send the nomination to spendsec@spemail.org

Self Nomination shall not be considered

Nominations Deadline- September 20, 2007

The First SPENDSEC Awards shall be given away during the very special SPE 50th Anniversary meeting and SPENDSEC Awards Banquet on October 6, 2007

SECTION OFFICERS-NEW DELHI SPE SECTION ROSTER FOR 2006-07

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SEPTEMBER MEETING PREVIEW

Low-Cost, Non-Invasive, Remote Pipeline and Well Inspection Techniques

Alberto Di Lullo
SPE Distinguished Lecturer
EniTecnologie

Abstract

The prevention and remediation of many Flow Assurance problems require timely knowledge about the internal deposition conditions of pipelines, sealines and tubings. This information plays an important role in the decision process for repair operations and in the optimization and monitoring of prevention technologies. Most inspection methods either imply the insertion in the pipe of special devices, with a significant intrinsic risk, or require moving along the inspected pipe, which may be difficult, expensive or time-consuming.

Eni has developed and extensively applied a non-invasive technology for the inspection of pipes (wells and pipelines/sealines) which require access to only one end of the pipe and the ability to generate small flow rate transients, thus resulting in straightforward applicability and very low cost for most operational settings.

The use of flow rate transients, though long known in principle, has been exploited only infrequently by the petroleum industry. Such techniques, carried out by measuring and analyzing pressure signals induced by fast flow rate changes, constitute an extremely flexible, sensitive and easily applied methodology. Examples of the applications include: rapid and effective localization of complete and partial obstructions in wells and pipelines, quantification of the profile distribution of deposits in oil wells, inspection of gas wells and pipelines to determine the presence and distribution of fluids, monitoring of the movement of pigs in sealines and the investigation of other characteristics of both pipes and the fluids transported. The basic principles of the method will be illustrated, together with case histories of onshore and offshore applications.



Alberto Di Lullo leads several R&D Flow Assurance projects in EniTecnologie, the corporate R&D company of Eni, where he is currently responsible for the Physical-Chemical Laboratories Applied to Exploration, Drilling and Production of Hydrocarbons. He acquired laboratory and field experience in various upstream technologies such as: well production optimization; asphaltene, wax and emulsion issues; well and pipeline monitoring; deposits and obstructions localization techniques, water shut-off and knowledge management in production chemistry. He is co-author of several patents and publications. As a SPE member, he serves as the Membership Chairman of the Italian Section.

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FORTHCOMING REGIONAL AND INTERNATIONAL EVENTS

Dates	Meeting	Location
4 - 7 Sep 2007	Offshore Europe Conf Aberdeen ,	UK Europe
10 - 12 Sep 2007	Asia Pacific Health, Safety, Security and Env. Conference Conf	Bangkok, Thailand
16 - 18 Sep 2007	Keys to Effective Mature Waterflood Management Wkshp	Cartagena, Colombia
16 - 21 Sep 2007	Real-Time Production Optimisation Forum	Cascais, Portugal Europe
23 - 28 Sep 2007	Evolving Mud Operations in a Changing Drilling World Forum	Dubrovnik, Croatia Europe
7 - 10 Oct 2007	Capture and Geological Storage of CO2 Wkshp	Perth, Australia Asia Pacific
14 - 17 Oct 2007	Second Stage Field Development Wkshp	Kyoto, Japan Asia Pacific
14 - 17 Oct 2007	Wellbore Integrity Wkshp	Perth, Australia Asia Pacific
17 - 19 Oct 2007	Eastern Regional Meeting Conf	Lexington, Kentucky, USA
21 - 26 Oct 2007	Reservoir Modeling for Asset Management Teams Forum Puerto Vallarta, Mexico	Latin America
22 - 24 Oct 2007	SPE/IADC Middle East Drilling and Technology Conference Conf	Cairo, Egypt Middle East
22 - 25 Oct 2007	Field Management of Mature Reservoirs Wkshp	Krakow, Poland Europe
28 - 31 Oct 2007	SPE/EAGE Reservoir Characterization and Simulation Symposium Conf Abu Dhabi, UAE	
29 Oct-1 Nov 2007	HR Strategy Workshop: Attraction and Retention to the E&P Business Wkshp Abu Dhabi,	
29 Oct-1 Nov 2007	Young Professionals Workshop Wkshp	Geneva, Switzerland Europe
30 Oc 1 Nov 2007	Asia Pacific Oil & Gas Conference and Exhibition Conf	Jakarta, Indonesia
5 - 8 Nov 2007	Well Integrity Management Wkshp	Barcelona, Spain Europe
11 - 14 Nov 2007	Annual Technical Conference and Exhibition Conf	Anaheim, California, USA
18 - 21 Nov 2007	LNG -- Challenges to Development Wkshp	Kota Kinabalu, Malaysia
18 - 21 Nov 2007	Resources to Reserves for Asset Development Wkshp	Penang, Malaysia
4 - 6 Dec 2007	International Petroleum Technology Conference Conf	Dubai , UAE Middle East
11 - 14 Dec 2007	Reservoir Testing in a World of High Production Values Wkshp	Bali, Indonesia Asia Pacific

Nominations invited for SPENDSEC Board /Committees 2007-08

For the most vibrant section of SPE in India

For the only section in India that received the SPE President's Award for section Excellence

For the section that has created history in the Middle East Region by being selected to receive

2007 SPE President's award for section Excellence for the 2nd time.

With yet another milestone SPENDSEC has now become a role model on the map of SPE International

Now there is need to take the section to greater heights in the years to come.

The foundation stone laid, steps taken and standards set in the first two years need to be strengthened.

There is a need to continue the efforts with more zeal.

Its time to bring in new team members with fresh ideas.

Under the leadership of N M Borah, the New Board of SPENDSEC Section Officers for 2007-08

is scheduled to be formed soon.

We are looking for talent and willingness to serve. We are looking for wider participation.

We know you can add value in any of the roles.

Do you want to serve on SPENDSEC Board /Committee?

If so then put your name or your colleagues name forward by sending an email to

SPENDSEC@spemail.org

For more information about the roles of the officers please visit our site:

<http://newdelhi.spe.org>