

SPWLA

Japan Chapter

News Letter for Japan Chapter

Volume 2, Number 2, February 1995

SPWLA日本支部の皆さんへ

昨年末から各地で地震が多発しており、多数の死亡者や大きな被害が出ています。亡くなられた方々のご冥福と被災地の一日でも早い復旧を心からお祈り申し上げます。

さて、日本支部のSPWLA会員は現在103名であり、その所属は石油関係、地熱関係、土木関係の会社、研究所、大学など広い範囲に及んでいます。これは検層が地下の情報源としていかに重要であるかを示唆しています。検層のもつポテンシャルを十分に活かすために、我々はもっと能力を高める必要があります。日本支部が少しでもそれに貢献できればと考えています。

皆さんの周囲に検層に興味を持っていらっしゃる方や勉強したいと思っている方などがいられれば、是非Chapter Meetingへの出席やSPWLA会員への登録をお勧め下さい。会員や出席者が増えることによって日本支部の活動はさらに活発になり、皆さんの期待に答えることができるようになると思います。日本支部にとって1995年を是非飛躍の年にしたいと思います。

SPWLA 日本支部Membership Vice-President

加藤 進

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Message From VP Membership

Dear SPWLA- Japan Chapter members,

Since the end of last year, we have been having numerous earthquakes around Japan. Some of which have resulted in the tragedy of lives and properties lost.

We would like express our deepest sympathy and heartfelt condolences to those who have suffered.

SPWLA Japan Chapter has 103 members to date. They belong to the Oil and Gas, Geothermal related business as well as Civil Engineering, Institutes and Universities. This indicates that Well Logging plays an important part in the sourcing of information of earth below ground. It is our aim to improve the level of understanding of Well Logging and to provide adequate information to members.

If you know of any one who is interested in Well Logging, please advise them to attend a chapter meeting or contact us to register as a member.

By increasing the number of members, we can provide more activities.

We wish SPWLA Japan Chapter a flourishing year in 1995!

VP - Membership

Susumu Kato

Invitation to 6th chapter meeting

We would like to announce that the forthcoming chapter meeting will be held as follows.

Venue : At Waseda University
3-4-1 Ohkubo, Shinjuku-ku, Tokyo
(Please refer to the map attached)

Date : On Monday, March 13, 1995

Program :

16:00 Special presentation titled,
" True Integrated Interpretation for Better Reservoir Characterization "
by **Oberto Serra**(Distinguished Speaker of SPWLA)
17:30 Snacks Buffet

TRUE INTEGRATED INTERPRETATION FOR BETTER RESERVOIR CHARACTERIZATION

By Oberto Serra

Abstract

Recent technological progress requires a fundamental review of the approach to quantitative log interpretation. A modern and advanced interpretation must be able to combine both quantitative and qualitative information from different sources, of different natures and at different scales. It should no longer focus only on solution of n equations of m unknowns with purely petrophysical goals.

The recent introduction of imaging techniques has created a breakthrough in reservoir characterization. Because the reservoir can now be *seen*, it is possible to describe it in great detail as a three-dimensional organization of geological objects which are themselves classified as *volumes*, with their corresponding *facies*, bounded by *surfaces* with their own transmissivity properties.

Petrophysical properties control the volume flow properties. The latter depend on the depositional facies attributes and the diagenetic effects undergone by the sediment since its deposition. They can be determined partly from standard logs, but more fully from borehole images that provide fundamental information about the reservoir anisotropy and the nature and distribution of reservoir heterogeneities.

Surface attributes are defined through the shape, planarity, rugosity, extent, angular relationship, resistivity contrast, etc., of the surface. Practically all surfaces crossing a wellbore may be classified as they are detected by electrical imaging techniques from which their nature and origin can be precisely determined. Based on their origin and resistive characteristics transmissivity properties can be assigned to them. In addition, the influence of apparent dip can be taken into account in the response function of other tools.

A modern and complete interpretation must, as far as possible, take into account all the accessible attributes at different scales, and from them determine the dynamic attributes associated with the reservoir. In addition, one can say that a succession of facies and surfaces defines a genetic sequence, itself limited by breaks of higher hierarchy and extent, and characterized by a set of attributes. A sequence and succession of sequences allow the recognition of the depositional environment which, consequently, has itself a set of attributes of higher rank, including seismic attributes. Finally, the reservoir geometry may be inferred from the determination of the depositional environment and the tectonic structure.

The solution of this new truly global and integrated approach can be achieved through a generalization of the electrofacies concept. This is illustrated by examples.

Biography

* Oberto Serra is currently a consultant geologist. Between 1986 and 1993 he had been working at Services Techniques Schlumberger in the Interpretation and Development group at Montrouge, France, as chief geologist and expert in interpretation. Prior to joining Schlumberger in 1978, Oberto spent 20 years with ELF-Aquitaine where he started as a field and wellsite geologist before eventually becoming head of the Well Logging Dept. of ELF-Aquitaine. Author of numerous papers and several books on the interpretation of well logs, Oberto holds a degree in geological engineering from Ecole Supérieure du Pétrole et des Moteurs and Ph. D. in Geology from the University of Paris, and is a member of SPWLA, AAPG, AFTP and UFG.

['94-'95 Annual schedule of chapter meeting]

DATE	VENUE
May 23, 1994	Japan National Oil Corporation
July 25, 1994	Japan Petroleum Exploration Co.,Ltd
September 27, 1994	Japan Oil Engineering Co.,Ltd
November 29, 1994	Technology Research Center, Teikoku Oil Co.,Ltd
January 23, 1995	Indonesia Petroleum, Inc.
March 13, 1995	Waseda University

['95-'96 Annual schedule of chapter meeting]

DATE	VENUE
May 29, 1995	Japan Oil Development Co.,Ltd
September 21-22, 1995	Technology Research Center, Japan National Oil Corporation
November* , 1995	Idemitsu Oil Development Co.,Ltd
January* , 1996	Geothermal Energy Research and Development Co.,Ltd
March* , 1996	

(* Date will be confirmed later)

[Annual Well Logging Symposium of Japan]

We are pleased to announce that "Annual Well Logging Symposium of Japan" will be organized by Japan Chapter of SPWLA with the supports of Japanese Association for Petroleum Technology(JAPT), Society of Exploration Geophysicist of Japan(SEG/J), Geothermal Research Society of Japan(GRS/J), Society of Petroleum Engineers-Japan Section(SPE/J) and Subsurface Instrumentation Division of MMIJ.

The symposium will be held at Technology Research Center, Japan National Oil Corporation, Chiba on September 21-22. All persons involved with well logging, formation evaluation and borehole geophysics are invited to present their activities and exchange information.

Abstract is due no later than May 31, 1995. Please refer to "Call for Abstracts" attached for detail information. Your contribution is expected Let's submit Abstract !

The First Annual Well Logging Symposium of Japan

TRC-JNOC, Chiba September 21-22,1995

CALL FOR ABSTRACTS

Organized by Japan Chapter of Society of Professional Well Log Analysts
Supported by Japanese Association for Petroleum Technology
Society of Exploration Geophysicist of Japan
Geothermal Research Society of Japan
Society of Petroleum Engineers, Japan Section
Subsurface Instrumentation Division of MMIJ

The first Annual Well Logging Symposium of Japan will be held at the Technology Research Center-Japan National Oil Corporation, Chiba on September 21-22, 1995. All persons involved with the Oil, Gas, Geothermal Energy and Geoengineering industry and research institutes are invited to submit abstracts of original papers for presentation at the symposium and publication in its proceedings

NOTE TO AUTHORS: Complete a separate form in typescript for each abstract submitted. Type abstract on a single sheet of A4 paper. It should contain 200 to 400 words in English. Avoid the use of equations, trademarks, literature references, and supplementary text.

Notification of acceptance will be made in **June 1995**. If accepted, a complete manuscript or extended abstract in English will be required for the proceedings by **July 31, 1995**.

ABSTRACT IS DUE NO LATER THAN MAY 31, 1995

Submit abstracts to : Makoto Miyairi
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1-2-1 Hamada, Mihama-ku, Chiba 261
Telephone:(043)275-9311 Fax:(043)275-9316
e-mail : miyairi@rc.japex.co.jp

Title of Paper: _____

Author(s): _____

Corresponding Author: _____

Company: _____

Address: _____

Tel: _____ Fax: _____ Has the paper been presented before? Yes _____ No _____

Where? _____ when? _____ How? Oral _____ Published _____

Subject classified as (check):

- | | |
|--|---|
| <input type="checkbox"/> Acoustic/borehole seismic | <input type="checkbox"/> Electrical/electromagnetic logging |
| <input type="checkbox"/> Borehole imaging | <input type="checkbox"/> Nuclear logging |
| <input type="checkbox"/> Cased-hole/production logging | <input type="checkbox"/> Measurements while drilling |
| <input type="checkbox"/> Wireline formation testing | <input type="checkbox"/> Mud logging methods/interpretation |
| <input type="checkbox"/> Lab measurement of rock properties | <input type="checkbox"/> Case histories |
| <input type="checkbox"/> General formation evaluation techniques | <input type="checkbox"/> Petrophysical properties/relationships |
| <input type="checkbox"/> Fractured reservoirs | <input type="checkbox"/> Thin-bed evaluation |
| <input type="checkbox"/> Geological applications | <input type="checkbox"/> Computer applications |
| <input type="checkbox"/> Geothermal Applications | <input type="checkbox"/> Geoengineering Applications |
| | <input type="checkbox"/> Other area of formation evaluation |

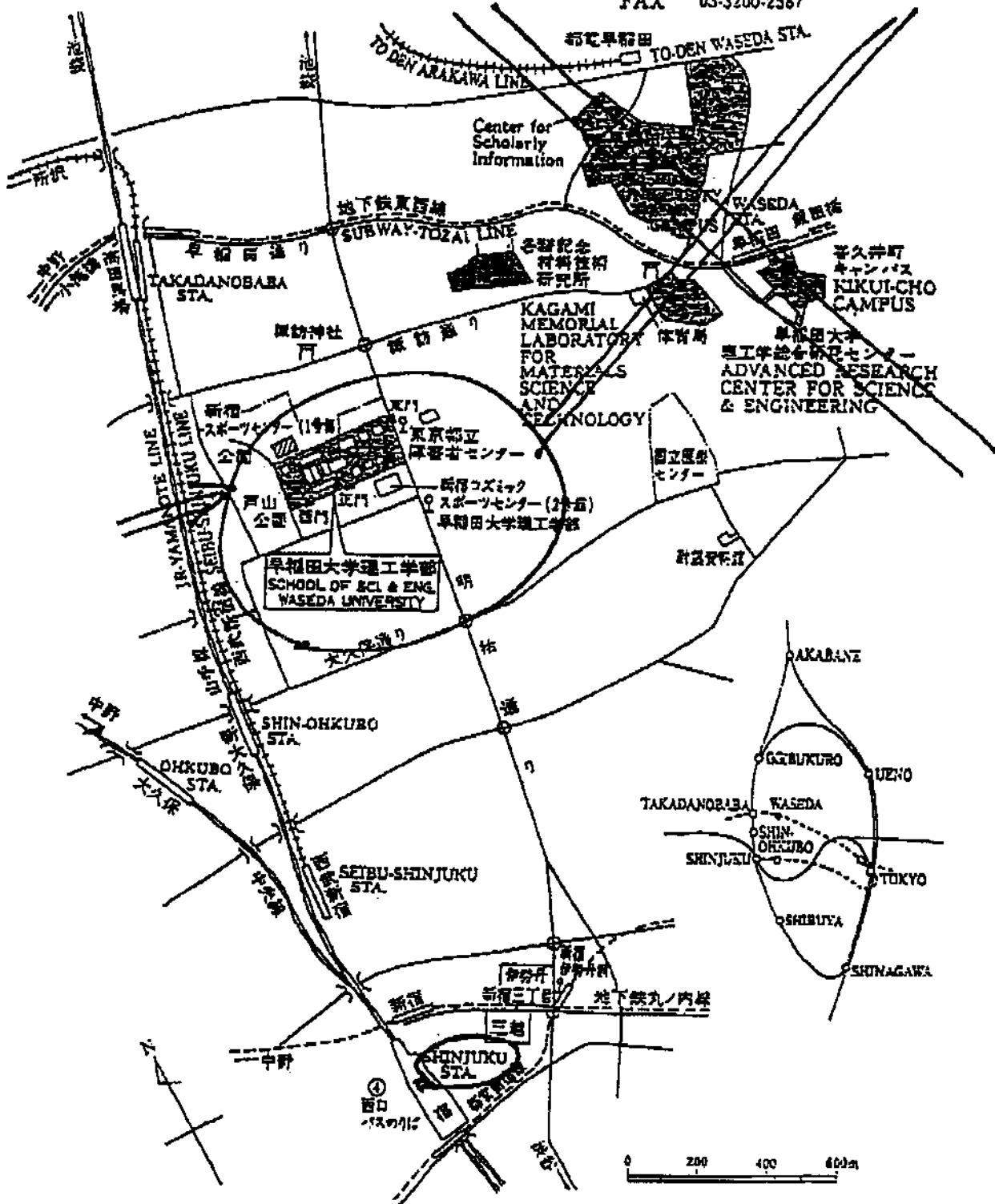
51号館

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JR・地下鉄東西線・西武新宿線—高田馬場駅下車 徒歩15分
 JR—新大久保駅下車 徒歩12分
 地下鉄東西線—早稲田駅下車 徒歩20分

都バス (池86)池袋駅東口—渋谷駅
 (早77)新宿駅西口—早稲田 都立図書館センター前下車
 (高71)高田馬場駅—九段下