Wellsite Geology

Learn the practical acquisition process and application of wells site data for a better field development plan
18th February - 22nd February 2013 at Kuala Lumpur, Malaysia

Petrosync Distinguished Instructor
JOHN KEASBERRY
Consultant & Principal Partner
GeoScience Services International

- Exploration Geologist & Consultant with over 35 years of experience in the Oil & Gas industry
- He has a vast international experience where he has engaged in exploration and development phases of petroleum in UK, US, Canada, Ethiopia, Europe, Turkey, Middle East, and the Far East, with several companies such as Shell, Unocal, Statoil, Barrick Petroleum, etc
- Course Director for Shell, responsible for their Integrated Subsurface Courses (1997-2005)
- Has conducted successful Wellsite Operation trainings internationally for over 7 years now
- He is currently affiliated with Petroleum Geological Society (PGK), Royal Geological and Mining Society of the Netherlands (KNGMG), Petroleum Exploration Society of Great Britain (PESBG), and Geological Society of Leiden (LGV)

COURSE OBJECTIVES

- ACQUIRE the understanding of drilling problems caused by subsurface conditions, and of applications of wells site data in exploration and development
- LEARN the basic principles of wells site data acquisition and quality control
- APPLY the techniques used by well geologists in formation evaluation through lectures, integrated with practical exercises
- PERFORM hands-on exercise of cutting analysis and oil show examination

SPECIALY DESIGNED FOR

The course is designed for subsurface geologists, wellsite geologists, drilling, reservoir, and operations engineers and other staff involved in the acquisition and use of well-site geological data.

- Wellsite Geologists
- Operations Engineers
- Subsurface Geologists
- Reservoir Engineers
- Drilling Engineers

Prerequisite: This course will assume that participants have at least a basic knowledge on petroleum geology in order to fully appreciate the course
COURSE OVERVIEW

Wellsite Geologists are mainly involved in evaluating offset data before beginning any drilling operations. The focus of this course is aimed at improving the conduct of data acquisition of the subsurface region. Because the subsurface data acquisition entails big capital expenditure, it is important to obtain quality information for future use in field development designs and drilling operations.

The course is aimed at wellsite geologists, drilling and operations engineers and other staff involved in the acquisition and use of well-site geological data. At the end of the course, participants will have grasped the basic principles of well-site data acquisition and quality control. This will focus on the data acquired at the wellsite from drilling, logging, and well testing. They will learn the techniques used in formation evaluation through lectures, integrated with practical exercises. Participants will be exposed to cuttings analysis and oil show examinations. They will acquire an understanding of drilling problems caused by subsurface conditions, and of applications of well-site data in exploration and development.

DAILY SCHEDULE:

<table>
<thead>
<tr>
<th></th>
<th>MORNING</th>
<th>LUNCH</th>
<th>AFTERNOON</th>
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<tbody>
<tr>
<td>Mon</td>
<td>08:30-09:30</td>
<td>09:45-10:45</td>
<td>11:00-12:00</td>
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<tr>
<td>Tue</td>
<td>14-Nov Introduction to Petroleum Geology</td>
<td>13:00-14:00</td>
<td>14:15-15:15</td>
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<tr>
<td>Wed</td>
<td>15-Nov Introduction to Petrophysical Operations</td>
<td>15:30-16:30</td>
<td>14:15-15:15</td>
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<tr>
<td>Thu</td>
<td>16-Nov Operations Geology Overview</td>
<td>15:30-16:30</td>
<td>14:15-15:15</td>
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<tr>
<td>Fri</td>
<td>17-Nov Wellsite Geology (part 2)</td>
<td>15:30-16:30</td>
<td>14:15-15:15</td>
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<tr>
<td>Mon</td>
<td>18-Nov Cuttings Description Exercises</td>
<td>15:30-16:30</td>
<td>14:15-15:15</td>
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</tbody>
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DATE   COURSE                                             INSTRUCTOR
28 -31 JAN  Introduction to Deepwater Petroleum Systems  F. Kessler
18-22 FEB  Wellsite Geology                                J. Keasberry
25 FEB - 1 MAR Applied Prospect & Play Generation        R. Nelson
11-15 MAR Operations Geology                             T. Herrett
01-05 APR  Structural Geology                            D. Nieuwland
22-26 APR  Seismic Interpretation and Validation of Seismic Structures in Exploration Activity C. Turrini
20-22 MAY  Geochemical Exploration for Oil & Gas         D. Schumacher
03-07 JUN  Risk Reduction Show Seal Migration             J. Dolson
17-21 JUN  Basin Analysis & Basin Modeling                F. Spathopoulos

For registration, inquiries, and request for the upcoming courses, please email aisha@petrosync.com or call us at +65-6415-4504. Visit WWW.PETROSYNC.COM for the course catalogue.
**INTRODUCTION**

**Petroleum Geology**
- Sedimentary Mechanisms
- Impact on Reservoir Properties & Field Operations
- Stratigraphy
  - Biostratigraphy
  - Lithostratigraphy
- Pressures

**Depositional Environments**

**Drilling Operations (Well Engineering)**
- Bits
- Casing & Cementing
- Fluids
- Drilling Problems & Well Control
- Directional
  - Geosteering & DtL

**Logging Operations**
- Acquisition
- Concepts
- Tools
- Quick Look Interpretation *(Exercise)*

**OPERATIONS GEOLOGY OVERVIEW**

**Duties & Responsibilities**

**Well Planning Processes**
- Site Survey & Shallow Gas Hazards
- Drilling Programme
- Contracting
- Services
- Data Management
- Support

**WELLSITE GEOLOGY**

**Mudlogging Services**
- Data Acquisition
- Monitoring
  - ROP
  - GAS
  - Mudweight & Chemistry

**Mudlogging Services (Continued)**
- Recording
- Sampling & Cuttings
  - Lag Time
  - Evaluation *(Exercise)*

**Hydrocarbon Detection**
- Data Acquisition

**Sidewall & Coring**
- Acquisition
- Handling
- Retrieval
- Analysis *(Exercise)*

**Wireline Logs**
- Analysis *(Major Exercise)*

**Reporting**
- Daily Drilling Report *(Exercise)*
- Lithological & Composite Well Log *(Exercise)*
- Post Mortem *(Exercise)*

**WELLSITE CONTRACTING**

**Drilling**
- Mudlogging
- Wireline Services
- Coring
- Quality Control

**CUTTING & CORE EXAMINATIONS (PRACTICAL)**

**Cuttings**
- Description
- Abbreviations
- Reporting

**Cores**
- Description
- Lithology Log
- Correlation

**APPLICATION TO FIELD DEVELOPMENT**

**Data Processing**

**Application to Well Planning & Field Development**

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**IN-HOUSE SOLUTIONS**

**SAVE COST • IMPROVE PERFORMANCE • REDUCE RISK**

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If you like to know more about this excellent program, please contact Jerry Tay (Conference Director) on +65 6415 4502 or email jerry.t@petrosync.com
John Keasberry is an Exploration Geologist and Principal Partner in J&M GeoScience Services. In a 33 year career span he worked in Ethiopia, the UK, Ireland, Canada, the US, Turkey, the Middle East, the Far East, Ecuador, Norway and the Netherlands. He is associated with companies as Placid, Barrick Petroleum, Santa Fe, Statoil, Unocal, Shell, and numerous small independent companies either as an employee or consultant. John has been involved mostly in the exploration and development phases of the petroleum development, from new ventures and asset acquisition, seismic interpretation, basin analysis, appraisal to farm-out, and production.

From 1997 through 2004 he was employed by Shell as a Course Director responsible for their Integrated Subsurface Courses covering the main subsurface disciplines from geology to production technology and developing geoscience courses. He also lectured frequently on other Shell courses, while his lecturing experience is mainly in Wellsite, Petroleum, and Operations Geology.

Before Shell, John joined United Nations in Ethiopia in 1975, carrying out geophysical surveys for oil, gas, groundwater and minerals. He moved to Placid Oil in 1979 as seismic interpreter and McKinlay Smith in 1981 as a geoscientist. In 1983 he founded his first consultancy in London carrying out interpretation and evaluation projects in the UK, Netherlands, and Norway. In 1985 he joined Nedlloyd Energy as exploration manager, responsible for Nedlloyd’s portfolio in the Netherlands, UK, Egypt, Ecuador and Indonesia. When Nedlloyd was sold to DSM (Dutch State Mines) in 1992 he became an independent consultant again.

John has been providing independent consultation for more than 20 years now. In 1997, he found his second consultancy firm, Geoscience Services International. At present, John continues to head this company and offers multi-disciplinary services and training for E&P projects worldwide.
**Course Details**

**Title:** WELLSITE GEOLOGY  
**Date:** 18th - 22nd of February 2013  
**Location:** Kuala Lumpur, Malaysia  

**INVESTMENT PACKAGES**

<table>
<thead>
<tr>
<th>Investment Package</th>
<th>Deadline</th>
<th>Standard Price</th>
<th>Early Bird Offer</th>
<th>Group Discount</th>
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<tr>
<td></td>
<td></td>
<td>15th Feb 2013</td>
<td>18th Jan 2012</td>
<td>15th Feb 2013</td>
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<tr>
<td><strong>FULL MASTERCLASS</strong></td>
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<td>SGD $ 5,995</td>
<td>SGD $ 5,795</td>
<td>10% discount for groups of 3 registering from the same organization at the same time</td>
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</tbody>
</table>

Group Discount is based on Standard Price

- To enjoy the promotion & discount offer, payment must be made before deadline
- For 7 or more delegates, please inquire for more attractive package.
- Prices include lunches, refreshments and materials. Promotion & discount cannot be combined with other promotional offers.
- Important: Please note that registration without payment will incur a SGD 200 administration fee.

**DELEGATES DETAILS**

1st Delegate Name: ____________________________  Mr  Mrs  Ms  Dr  Others
Direct Line Number: ____________________________  Email: ____________________________
Job Title: ____________________________  Department: ____________________________
Head of Department: ____________________________

2nd Delegate Name: ____________________________  Mr  Mrs  Ms  Dr  Others
Direct Line Number: ____________________________  Email: ____________________________
Job Title: ____________________________  Department: ____________________________
Head of Department: ____________________________

3rd Delegate Name: ____________________________  Mr  Mrs  Ms  Dr  Others
Direct Line Number: ____________________________  Email: ____________________________
Job Title: ____________________________  Department: ____________________________
Head of Department: ____________________________

**INVOICE DETAILS**

Attention Invoice to: ____________________________
Company: ____________________________  Industry: ____________________________
Address: ____________________________  Postcode: ____________________________
Country: ____________________________  Email: ____________________________
Please note:
- Indicate if you have already registered by Phone  Fax  Email  Web
- If you have not received an acknowledgement before the training, please call us to confirm your booking.

**PAYMENT METHODS**

- By Credit Card: 
  - Please debit my credit card: Visa  MasterCard  AMEX  Security Code: ____________________________
  - Card Number: ____________________________  Expiry Date: ____________________________
- By Direct Transfer: Please quote invoice number(s) on remittance advice

PetroSync LLP Bank details:
- Account Name: PetroSync LLP
- Bank Number: 7144  - Branch Code: 013  - Account No: 13-1-005531-6
- Name of Correspondent Bank: Standard Chartered Bank, 6 Battery Road, Singapore 049909
- SWIFT Code of Correspondent Bank: SCBLSGSGXXX

All bank charges to be borne by payer. Please ensure that PetroSync LLP receives the full invoiced amount.

**CANCELLATION POLICY**

You may substitute delegates at any time as long as reasonable advance notice is given to PetroSync. For any cancellation received in writing not less than fourteen (14) working days prior to the training course, you will receive a credit voucher less a SGD $200 administration fee and any related bank or credit card charges.

Delegates who cancel less than fourteen (14) working days of the training course, or who do not attend the course, are liable to pay the full course fee and no refunds will be granted.

In the event that PetroSync cancels or postpones an event for any reason and that the delegate is unable or unwilling to attend in on the rescheduled date, you will receive a credit voucher for 100% of the contract fee paid. You may use this credit voucher for another PetroSync course, are liable to pay the full course fee and no refunds will be granted.

PetroSync is not responsible for any loss or damage as a result of the cancellation policy. PetroSync will assume no liability whatsoever in the event this event is cancelled, rescheduled or postponed due to any Act of God, fire, act of government or state, war, civil commotion, insurrection, embargo, industrial action, or any other reason beyond management control.

**DISCLAIMER**

Please note that trainers and topics were confirmed at the time of publishing; however, PetroSync may necessitate substitutions, alterations or cancellations of the trainers or topics. As such, PetroSync reserves the right to change or cancel any part of its published programme due to unforeseen circumstances. Any substitutions or alterations will be updated on our web page as soon as possible.

**DATA PROTECTION**

The information you provide will be safeguarded by PetroSync that may be used to keep you informed of relevant products and services. As an international group we may transfer your data on a global basis for the purpose indicated above. If you do not want us to share your information with other reputable companies, please tick this box.

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DETAILED PAYMENT

- For Payment by Direct Telegraphic Transfer, client has to bear both local and oversea bank charges.
- For credit card payment, there is additional 4% credit card processing fee.

**PAYMENT TERMS**

Payment is due in full at the time of registration. Full payment is mandatory for event attendance.

**I agree to PetroSync’s terms & conditions, payment terms and cancellation policy.**

Authorized Signature: ____________________________

**CHARGES & FEE(s)**

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- For credit card payment, there is additional 4% credit card processing fee.

**OUTPUT**

I agree to PetroSync’s terms & conditions, payment terms and cancellation policy.  

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