Production Enhancement In Russian Oil and Gas Fields Utilising Horizontal, Sidetrack, Extended Reach and Multilateral Wells

6-9 February 2006
Novotel City Centre Hotel
Moscow, Russia

An SPE Applied Technology Workshop

Return your Registration Today!

Registration Deadline: 6 JANUARY 2006

Production Enhancement in Russian Oil and Gas Fields - Utilising Horizontal, Sidetrack, Extended Reach and Multilateral Wells

Workshop Description

Well Construction has made huge advances in the past two decades allowing a large variety of well bores to be drilled through oil and gas reservoirs. This workshop covers horizontal wells, multi-lateral wells, extended reach wells and high-angle sidetracks drilled with a drilling rig or a coiled tubing unit - either overbalanced or underbalanced.

The first part of the workshop focuses on matching the reservoir to the appropriate well technology - for many reservoirs conventional vertical or deviated wells still provide the best engineering solution. However, for many classes of reservoirs, the efficiency of hydrocarbon extraction and the overall economics can be improved by using advanced well technology.

The second part of the workshop focuses on cost-effective execution - optimising well productivity and recovery at the lowest cost. The workshop is being held in Moscow, Russia to give an opportunity to address advanced well applications in countries of Eastern Europe and Central Asia but contributions from all parts of the world will be welcome.

WORKSHOP OBJECTIVES AND DELIVERABLES

- Review status of advanced wells world wide
- Review status in Eastern Europe and Central Asia
- Assess how local technology can be adapted to drill and complete excellent advanced wells
- Identify and remedy the shortcomings of advanced wells in implementing reservoir management strategies

WHO SHOULD ATTEND

The workshop is a limited attendance meeting for up to 70 people, designed for professionals in the oil and gas industry interested in applying the latest drilling and completion techniques to improve production and recovery and enable difficult to develop fields to be brought on stream. The workshop is aimed at people who work in the following areas:

- Asset Management
- Drilling, Completions and Well Servicing
- Production Geoscience
- Petroleum/Reservoir Engineering

WORKSHOP TIMETABLE

MONDAY 6 FEBRUARY

1700-1800 hours:	**Registration**
1800-1900 hours:	**Welcome Reception**
1900 hours:	**Welcome Dinner**

TUESDAY 7 FEBRUARY

0830-0930 hours:	**Chairman's Introduction**
0930-1300 hours:	**Session 1: Current State of Advanced Well Technology**
1030-1100 hours:	Coffee Break and Posters
1300-1400 hours:	Lunch
1400-1700 hours:	**Session 2: Reservoir Case Histories and Screening**
1530-1600 hours:	Coffee Break and Posters

WEDNESDAY 8 FEBRUARY

0900-1300 hours:	**Session 3: Execution: Drilling Technology**
1030-1100 hours:	Coffee Break and Posters
1300-1400 hours:	Lunch
1400-1700 hours:	**Session 4: Execution: Completion Technology**
1530-1600 hours:	Coffee Break and Posters

THURSDAY 9 FEBRUARY

0900-1200 hours:	**Session 5: The Future: Identifying Applicable Technologies**
1030-1100 hours:	Coffee Break and Posters
1200-1300 hours:	**Round-up**
1300-1400 hours:	Lunch
1400 hours:	Workshop Closes

TENTATIVE TECHNICAL AGENDA

TUESDAY 7TH FEBRUARY 2006

0930-1300 hours: Session One: Current Status of Advanced Well Technology
Session Managers: Iskander Diyashev and Andy Barker
The workshop will start with a session to review the current status of advanced well technology as actually practiced. State of the art in directional drilling, MWD, LWD, geosteering, mud systems including under balanced drilling, coiled tubing drilling will be reviewed. The session will next turn to the completion side; slotted liners, sand control screens, external casing packers and cleanup systems. Monitoring using either production logging tools run on C/T or permanently installed sensors will be discussed. Finally, hydraulic fracturing and acid stimulation of horizontal boreholes will close the first session.

1400-1700 hours: Session Two: Reservoir Case Histories and Screening
Session Managers: Fikri Kuchuk and Murray Vasilev
In this session five examples of successful application of the technologies reviewed in Session One will be given, three of which will come from Eastern Europe and Central Asia. The reservoir characteristics of successful applications will be outlined and the key fluid and formation parameters identified to help screen successful candidates for the future. What is the optimal length of horizontal section for various types of reservoir? What other options were available in field development planning? In addition to the environment provided by nature, the man made aspects will be covered – how much did the management of the operation including quality control contribute to the successful result and what were the lessons learned for future projects?

WEDNESDAY 8 FEBRUARY 2006

0900-1300 hours: Session Three: Execution: Drilling Technology
Session Managers: Nelson Mohammed and Tim Samuel
This session will start by looking at the characteristics of drilling rigs required to successfully drill long horizontal sections, including top drive, powerful triplex mud pumps, automatic pipe-handling. The bottom-hole assembly design, including choice of bits, stabilisers etc which will provide smooth in-gauge hole will be discussed. The session will cover mud characteristics, especially types of drill-in fluids, which will make it possible to drill fast and later on to remove the mud cake uniformly so as to give full access to the formation. The drilling of multi-laterals will be considered, especially their application in CIS countries.

WEDNESDAY 8 FEBRUARY cont..

1400-1700 hours: Session Four: Execution: Completion Technology
Session Managers: Nick Hore and Tom Morris
Assuming a successful well has been drilled the next challenge is to complete it with maximum production potential along the full length of the well bore. Methods of cleanup, especially for wells without perforations, will be considered in detail and guidelines established. This session will include consideration of the life of the well – how water and gas breakthrough can be detected through production logging and managed without having to abandon the wellbore.

THURSDAY 9 FEBRUARY 2006

0900-1230 hours: Session Five: The Future: Identifying Applicable Technologies
Session Managers: Michael Pogrebinsky and Robert Holtslag
This session is not about "blue-sky" technology but about what is most fit-for-purpose in CIS countries. Services that are considered standard in other regions of the oil industry such as top drive, coiled tubing, geosteering, under balanced drilling are still very expensive here and this acts as a brake on more widespread use of advanced wells. The same is true of multi-lateral technology, which, even though it was invented by A.Grigorian in Bashkortostan in 1953, is still not widely used and has great potential to solve numerous field development problems.

The round-up session is designed to summarise the key issues presented over the previous two days and to review what works, is relevant and can be applied to CIS oil fields and gas fields and what is merely interesting but not relevant here. The ultimate goal is for participants to leave the meeting with positive ideas to implement advanced well technology in their own companies.

WORKSHOP FORMAT

FORMAT
Five-session workshop over two and a half days with a number of short presentations and breakout discussions per session. There will be a welcome dinner on Monday 6 February 2006. Full details will be provided with the registration pack.

POSTER SESSIONS
The Steering Committee plans to hold poster sessions during the workshop. Please indicate on the registration form if you would like to present a poster.

ATTENDANCE
Up to 70 persons from relevant disciplines with proven experience and/or knowledge of the subject areas being covered.

SCRIBE'S REPORT
The Steering Committee will appoint a scribe to make a full report of the workshop. The Scribe's Report will be produced after the workshop, summarising all presentations and discussion. This report will be circulated to all attendees. The copyright of the Scribe's Report will belong to SPE.

ATTENDANCE CERTIFICATE
All attendees will receive a certificate from SPE attesting to their participation.

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

COST INFORMATION
Attendance at the workshop is non-residential. The workshop will be held at the Novotel City Centre Hotel, Moscow, Russia.
Non-Residential Rate: GBP £475 to include welcome dinner on Monday 6 February, 3 lunches, coffee breaks, all workshop sessions and scribe's report.

VISAS
All applicants will need to organise a visa support letter in order to obtain a visa for Russia (if applicable).

LANGUAGE
There will be simultaneous translation for both English and Russian language.

CANCELLATION POLICY
Wriiten notice received 30 days before the starting date of the workshop enables registrants to a 50% refund. There will be no refunds after this time.

An SPE Applied Technology Workshop

REGISTRATION FORM

PRODUCTION ENHANCEMENT IN RUSSIAN OIL AND GAS FIELDS

6-9 February 2006
Novotel City Centre Hotel
Moscow, Russia

Please print or type in **black** ink

Title (Mr/Mrs/Ms/Dr)_____ Name (first) _____ Family Name (last) _____

Company _____

Address _____

Town/City _____ Postcode _____ Country _____

Telephone _____ Facsimile _____

Email _____ SPE Member No _____

Details of Relevant Experience _____

Do you wish to present a poster? o Yes o No

If yes, please indicate which subject you would like to present your poster on: _____

COST

Non-Residential Rate GBP (£) 475 to include dinner on 6 February 2006, coffee breaks each day, 3 lunches and workshop sessions

PAYMENT:

❑ **Cheque enclosed, payable to SPE Ventures Ltd.**
Society of Petroleum Engineers, 3rd Floor, Portland House, 4 Great Portland Street, London W1W 8QJ, UK

❑ **Bank Transfer payment.** (Barclays Bank, 50 Pall Mall, London, SW1A 1QA, UK)
Reference: please quote name of delegate
Account No: 10359483. **Account Name:** SPE Ventures Ltd. **Sort Code:** 20-67-59.
IBAN Number: IBAN GB10 BARC 2067 5910 3594 83 **SWIFTBIC:** BARCGB22

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Type of card: _____ (American Express, Visa, Mastercard, Eurocard, Diners)

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Start Date *(Diners card only):* _____ Expiry Date: _____

Signature _____

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To submit your registration online, please visit the SPE Web Site at: **www.spe.org**

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