



SOCIETY OF PETROLEUM ENGINEERS
SPE NEWS
COPENHAGEN SECTION

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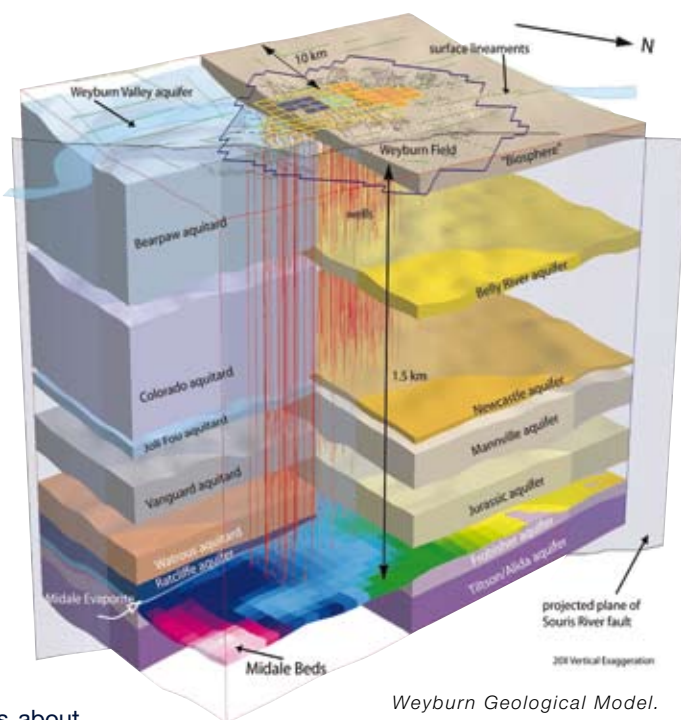
FUTURE MEETINGS

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CO₂, CO₂ AND CO₂...

First of all I would like to thank Hess for hosting an excellent evening at Hotel Adina. We had an interesting talk on Petroleum Reserves Estimates with much historical insight on the background for the strict requirements imposed by, amongst others, the SEC and how this was linked to the crash on the stock market in 1929. Special thanks also go to Kaj Kristensen from Maersk Contractors, who gave an impressive after dinner talk on Ultra Deep Water Drilling Rigs.

Our next meeting, the first in the New Year, covers several CO₂ related topics. Dr. Carolyn Preston from the federal department of Natural Resources in Canada will tell us about CO₂ emission and storage options in the US and Canada and provide insight on the Weyburn CO₂ injection project where CO₂ sequestration and enhanced oil recovery are combined. After dinner, we have a presentation on studies conducted by DONG on CO₂ injection into South Arne. Additionally, we have four poster sessions on ongoing CO₂ research activity at DTU, covering topics such as enhanced oil recovery using CO₂, phase equilibria and CO₂ corrosion, post-combustion capture from power plants and environmental aspects related to CO₂ capture using amines.



Weyburn Geological Model.

With the Bali conference on Climate Change just finished, and two years to the Climate Change conference in Copenhagen in 2009, there is no doubt that CO₂ will remain a hot topic in the coming years. And Denmark could play an interesting role in several ways: Firstly, the Kyoto protocol that stipulates CO₂ reductions until 2012 could be extended with a Copenhagen protocol. Secondly, the theory that it is cosmic rays and their influence on cloud cover and not CO₂ that affects Climate Change is championed by a Dane: Henrik Svensmark. I can only invite everyone to follow the hectic activity on that subject and on many other things related to CO₂. You might also want to attend the next SPE meeting on January 16th at DONG Energy in Hørsholm.

I hope to see you there,

Per Bak
Section Chairman

SPE

COPENHAGEN SECTION

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MEETINGS IN THE GEOLOGICAL SOCIETY OF DENMARK:

23. february 2008, Geocenter Kbh.

DGF Annual Meeting. Full day program on glaciers, rocks and climate in the Arctic.

More info at www.2dggf.dk



DEVEX 2008

5th European production & development
conference From Prospect to Production

Wednesday 14th – Thursday 15th May 2008
Aberdeen Exhibition & Conference Centre

DEVEX 2008 is a joint PESGB, SPE, AFES, BERR (DTI) conference.

• Incorporates **BERR (DTI) IOR Seminar**

CALL FOR ABSTRACTS

Abstracts for presentations or posters are sought on the theme:

"From Prospect to Production"

Presentations (which need not be formal papers) on innovations or case histories in geoscience, petrophysics, reservoir/petroleum engineering and novel drilling/completion techniques in the following areas are invited:

- Nearfield exploration and satellite development
- Renewable energy and CO2
- Drilled up Promote Licences
- Brownfields
- Greenfields
- Field reactivations
- Field decommissioning
- Improved oil recovery
- Innovative geophysical techniques
- Integrated asset management
- Service company - Operator alliances
- Novel drilling and completion techniques
- Reservoir modelling
- Fallow discoveries, unlocking infrastructure

Deadline for submission: 31 January 2008



PES GB



BERR
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DEVEX 2008

Send Abstracts to: Hulse Rodger & Co
45 Grove Crescent, Aberdeen AB16 5DU
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Or Submit Online - Website: www.DEVEX-Conference.org



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MEETING SCHEDULE 2007-2008

September 25		MAIN SPEAKER	AFTER DINNER
TOPIC	Tractor Applications in the Oil Field		Welltec: Guided tour at Welltec facilities
SPEAKER	Christian Krüger, Welltec		
LOCATION	Welltec, Gydevang 25, 3450 Allerød		
SPONSOR	Welltec		

October 22		MAIN SPEAKER	AFTER DINNER
TOPIC	New and Emerging Water and Gas Shut-off Techniques		
SPEAKER	Naz H. Gazi, SPE Distinguished Lecturer		
LOCATION	Håndværkerforeningen, Dronningens Tværgade 2A, 1302 Kbh. K.		
SPONSOR	Chevron		

December 6		MAIN SPEAKER	DINNER SPEAKER
TOPIC	Petroleum Reserves Estimates -Where We Have Been, Where We Are and Where We Appear to be Headed		Maersk Contractors : Ultra Deep Water Drilling Rigs
SPEAKER	Ronald Harrel, SPE Distinguished Lecturer		
LOCATION	Hotel Adina, Amerika Plads 7, 2100 Kbh. Ø.		
SPONSOR	Hess		

January 16		MAIN SPEAKER	DINNER SPEAKER
TOPIC	CO₂ Capture, Storage and EOR - The Weyburn-Midale Story		A Generic Offshore CO ₂ Injection Pilot Project, Morten Gjetting Stage, DONG E&P
SPEAKER	Carolyn K. Preston, Federal Department of Natural Resources Canada		
LOCATION	DONG Energy		
SPONSOR	DONG Energy		

February 19		MAIN SPEAKER	DINNER SPEAKER
TOPIC	Game Changer: Enabling Global Innovation in Exploration and Production		
SPEAKER	L.P. Roodhart, SPE Distinguished Lecturer		
LOCATION	Håndværkerforeningen, Dronningens Tværgade 2A, 1302 Kbh. K.		
SPONSOR	Shell		

March 25		MAIN SPEAKER	DINNER SPEAKER / DISCUSSION
TOPIC	Enhanced Oil Recovery - Past and Future Enhanced Oil Recovery - Rock Mechanical Aspects		Petroleum Engineering Education in Denmark: Perspectives and Challenges
SPEAKER	Erling H. Stenby and Alexander Shapiro - Ida L. Fabricius		
LOCATION			
SPONSOR	DTU		

April 23		MAIN SPEAKER	DINNER SPEAKER
TOPIC	Lateral variability in chalk based on combined reflection and refraction seismics, nannofossil, cyclo- and chemostratigraphy - News from the Cretaceous Research Centre (CRC)		
SPEAKER	Finn Surlyk and Lars Stemmerik, Department of Geography and Geology, University of Copenhagen		
LOCATION	GEUS		
SPONSOR	GEUS		

May 22		MAIN SPEAKER	ANNUAL MEETING
TOPIC	Seismic Observation and Verification of Line Drive Water Flood Patterns in a Chalk Reservoir, Halfdan Field, Danish North Sea		Per Bak, Section Chairman: Chairman Annual Report
SPEAKER			
LOCATION	Mærsk Olie og Gas AS		
SPONSOR	Mærsk Olie og Gas AS		

June 20		MAIN SPEAKER	DINNER SPEAKER
TOPIC	Summer party		
SPEAKER	Per Bak, Section Chairman		
LOCATION			
SPONSOR	Schlumberger		

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CO₂ Capture, Storage and EOR THE WEYBURN-MIDALE STORY

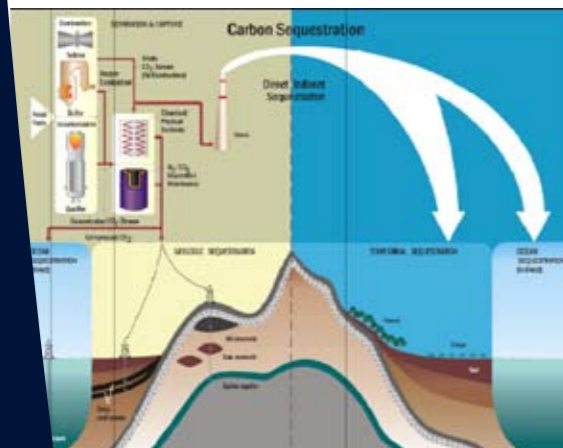
COPENHAGEN
JANUARY
MEETING
WEDNESDAY 16 JANUARY 2008

ABSTRACT

Is CO₂ capture and injection into depleted oil fields a win-win solution to help reduce GHG emissions while extending the economic life of aging oil fields?

This presentation highlights the magnitude of CO₂ emissions in Canada and the USA, major sources of CO₂ emissions, potential sinks and the significant potential for geological storage. However, geological storage of CO₂ must be implemented on a large scale to make a significant contribution to reducing GHG emissions. This won't happen without appropriate economic incentives or regulations imposed on industry to capture and store CO₂.

CO₂ enhanced oil recovery can provide that economic incentive. One of the world's largest, in the field, research projects investigating the feasibility of using depleted oil reservoirs for long term CO₂ storage is the IEA GHG Weyburn-Midale CO₂ Monitoring & Storage Project. The extensive research program conducted during Phase 1 of this Project, to help identify appropriate monitoring tools for geological storage, is highlighted. A closer consideration is given to the risk assessment methodologies employed in the first phase. The presentation concludes with an overview of the second phase activities underway in the Project.



BIOGRAPHY

CAROLYN K. PRESTON, PH.D., P.ENG.

Dr. Preston is an accomplished scientist, researcher and manager. Working at the federal department of Natural Resources Canada from 1990 – July 2007, she progressed from a research scientist to a manager of multi-stakeholder public-private research programs in energy efficiency, sustainable development, and climate change mitigation technology development and demonstration. From 2002 to 2005, she managed the NRCan participation and funding at the PTRC and both phases of the Weyburn-Midale Project. From January 2006 to July 2007, Dr. Preston undertook the role of Project Integrator for the final phase of the Weyburn-Midale Project.

Dr. Preston has a bachelor's degree from Queen's University and master's and doctoral degrees from the University of Toronto. She became a professional engineer registered with APEGGA in 1998. In early 2007, she was one of 13 professionals from 11 countries awarded a prestigious UK Foreign and Commonwealth Office Chevening Fellowship in the Economics of Energy at the University of Reading, England.

DINNER PRESENTATION:

A Generic Offshore CO₂ Injection Pilot Project, Morten Gjetting Stage, DONG E&P

POSTERS ON DISPLAY DURING THE DRINKS SESSION:

PHASE EQUILIBRIA AND CO₂ CORROSION: A NEW APPROACH TO CORROSION MODELING

Made by Philip L. Fosbøl, PhD student, IVC-SEP, DTU and presented by Lars Jensen PhD student, IVC-SEP, DTU

ENVIRONMENTAL ASPECTS OF CO₂ CAPTURE USING AQ. ALKANOLAMINES

Victor Darde, PhD student, IVC-SEP DTU/DONG

CO₂ FLOODING IN CHALK RESERVOIRS

Ben Niu, PhD student, IVC-SEP, DTU

POST-COMBUSTION CAPTURE OF CO₂ FROM FOSSIL FUELED POWER PLANTS

Leila Faramarzi, PhD student, IVC-SEP, DTU

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PROGRAMME

17:00 – 18:00

Drinks and Poster Session

18:00 – 19:00

Presentation and SPE news

19:00

Dinner and Presentation

LOCATION

DONG Energy A/S
Agern Allé 24-26
2970 Hørsholm

MAIN SPEAKER

Carolyn K. Preston
Federal Department of Natural Resources Canada

TOPIC

CO₂ Capture, Storage and EOR – The Weyburn-Midale Story

ENTRANCE FEE

None

REGISTRATION

Please indicate your attendance by 14 January by signing up on the internet: www.spe-cph.dk

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