

# SPRING 2004 PERF MEETING

April 1-2, 2004

Calgary, Alberta

Theme: – Heavy Oil

## AGENDA

### Wednesday March 31, 2004

6:00 - 7:00 PM -- Board Meeting at Marriott Hotel, MacKenzie Room

7:00 - 9:00 PM -- Board Dinner at Marriott Hotel, MacKenzie Room

### Thursday April 1, 2004

Meeting in Conference Room 17 B/C

West Tower Petro-Canada Center, 150 - 6<sup>th</sup> Ave. S. W.

8:00 Continental Breakfast

8:30 Welcome and Introductions

8:35 PERF Overview

8:45 "*Environmental Challenges of Heavy Crude Oils.*" Jerry Neff, Battelle  
Memorial Institute

9:30 "*Chemical Characteristics of Heavy Oil and Emulsion Forming  
Properties*" Peter Kilpatrick, North Carolina State University

10:15 Break

10:30 "*Air issues associated with heavy oil production*" John Cain,  
ChevronTexaco

11:15 "*Differential Absorption LIDAR (DIAL) Measurements at  
selected Alberta Oil and Gas Sites in 2003*"." Gary Kovacic, Alberta  
Research Council, Inc.

12:00 Lunch

12:45 "*The Complication of SO<sub>2</sub> Control Approach on SO<sub>3</sub> and Stack  
Opacity, Implications in Heavy Oil Processing*" Stan Miller,  
University of North Dakota

1:30 "*Fate & Transport of Sour Gas Processing Wastes*" John Harju,  
University of North Dakota

2:15 Break

2:30 "*Emulsion Detection and Water Treating*" Bob Adamski Shell Oil

3:15 "*Effects of the Application of Drill Cuttings and Recovered Oily  
Sands on Caribbean Pines, Anzoategui State, Northeastern  
Venezuela*" Maria A. Gomez, ExxonMobil de Venezuela

4:00 "*BP's Experience with Emissions Trading*" Brandis Arsenault, BP

4:45 Wrap-up

5:00 - 7:30 ----- RECEPTION in Mount Royal Room,  
Marriott Hotel, 110 –9 Ave. S. W.

**Friday April 2, 2004**

**Meeting in Conference Room 17 A and B/C**

**West Tower Petro-Canada Center, 150 6<sup>th</sup> Ave. S. W.**

8:00 Upstream and Downstream Discussion Groups

(Separate concurrent Sessions)

**Upstream Discussion Group Conference Room 17 B/C**

**Topic:** Heavy Oil Production Issues

Environmental issues related to heavy oil production and the technologies that can make an impact on those key environmental issues.

Discussion of Upstream Issues with Jerry Neff, Battelle Memorial Institute

**Downstream Discussion Group Conference Room 17 A**

**Topic:** Heavy Oil Processing Issues

including solids, naphthenic acids, desalting and waste water treating.

Review of Heavy Oil Quality Projects, Canadian Crude Quality

Technical Association

Update of current and proposed PERF projects

Discussion of the application of emulsion technology fundamentals with Peter Kilpatrick

10:00 Break

10:15 New Project Proposals

11:00 Project Status Reports

11:30 PERF Business

(Reports from Board Meeting, Discussion Groups, Legal, etc)

12:15 Lunch /Adjourn