



SPE Alaska Section Newsletter

April 2008

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On the Web

<http://alaska.spe.org>

Contact Us

akspe@conocophillips.com

April SPE Luncheon

Date: Thursday, 10 April 2008, 11:30 am

Speaker: Vello A. Kuuskraa, Distinguished Lecturer

Topic: Maximizing Oil Recovery Efficiency and Sequestration of CO2
with "Next Generation" CO2-EOR

Place: BP Conference Rooms A & B

RSVP: Send an e-mail to jack.hartz@alaska.gov

Abstract

Injection of CO2 into depleted and near-depleted oil reservoirs offers the potential for two mutually beneficial results - - increasing oil recovery while sequestering industrial emissions of carbon dioxide (CO2). This presentation examines how alternative technology designs and operating strategies may enable industry to significantly improve CO2-EOR oil recovery efficiencies from the traditional 8% to 12% of original oil in-place (OOIP) to potentially over 20% OOIP, while also significantly increasing the sequestration of CO2.

The presentation draws on laboratory work, reservoir simulation and in depth assessments of significant CO2-EOR field tests that show promise for high oil recovery. The insights gained from these sources are combined to show how injecting larger volumes of CO2, integrating horizontal wells with close vertical well spacing, rigorously managing the CO2-EOR operation, and controlling the conformance of the CO2 flood could lead to increased oil recovery efficiencies from CO2-EOR.

The presentation then examines how the sequestration of CO2 could be optimized both during and after completion of the oil recovery phase in mature oil reservoirs.

Biography



Mr. Vello A. Kuuskraa, President of Advanced Resources International, is a recognized industry expert on CO2 enhanced oil and gas recovery technologies and the adaptation of these technologies for cost-effective sequestration of CO2. He was the 1986/87 SPE Distinguished Lecturer on Enhanced Oil Recovery, serves as the Chairman of the Advisory Committee for the joint industry-government partnership called the Carbon Capture Project, and is the author of the recent series of "Basin Studies" that provide updated assessments of CO2-EOR performance and potential in U.S. oil basins. He holds a M.B.A. from the Wharton Graduate School of the University of Pennsylvania, and a B.S. in Applied Mathematics/ Economics from North Carolina State University. He is a recipient of the Ellis Island Medal of Honor that recognizes contributions made by individuals from America's diverse cultural ancestry.

2007 – 2008 Luncheon Schedule

For questions about the SPE Meetings or to Volunteer as a Speaker , please contact:

Jack Hartz

Program Chair

jack.hartz@alaska.gov

907.375-8239

Date	Location	Speaker	Topic
4/10/2008	BP Building CR A & B	Vello Kuuskraa SPE Distinguished Lecturer	Maximizing Oil Recovery Efficiency and Sequestration of CO ₂ with "Next Generation" CO ₂ -EOR
5/15/2008	BP Building CR A & B	Andy Bond	Predicting Undulating Well Performance
8/14/2008	BP Building CR A & B	TBD	
9/11/2008	BP Building CR A & B	TBD	
10/9/2008	BP Building CR A & B	TBD	
11/13/2008	BP Building CR A & B	TBD	
12/11/2008	BP Building CR A & B	TBD	

To volunteer as a speaker for the fall schedule or to suggest others whom you know have papers prepared or outstanding topics of technical interest – contact Jack Hartz, Program Chair.

Reminder – please RSVP SPE Lunch Meetings – it helps when planning food and seating.

Not a member? Join online
<https://www.spe.org/weblocked/joinspe/online.shtml>

SPE 2008 Alaska Petroleum Section Officer Elections April 2008

SPE needs your help! Elections for the 2008-2009 SPE program year will be held in April by electronic ballot. Officers serve 1-2 year terms, with time commitments varying from less than an hour each week to much more, if desired. The section's current board of directors and volunteers are predominantly BP and ConocoPhillips employees—the board is very interested in increasing representation from service companies and the other operators in order to better meet the needs of our diverse membership.

The Alaska Section is soliciting volunteers for multiple section officers:

- Section Chair
- Program Chair
- Secretary
- Treasurer
- Directors
- Committee Chairs

Please consider giving a little bit of your time to make a difference for your colleagues and for your company.

Would you like to serve in SPE?
Please volunteer!

Contact:

Chris Jenkins

Section Chair

christopher.jenkins@bp.com

907.339.5068

To reserve a time for your company or to ask questions about the program, please contact Vice-Chair for Programs,

Jack Hartz

jack.hartz@alaska.gov

907.375-8239

VOLUNTEERING OPPORTUNITY

If you're interested, please contact:

Gail Raymond
Science Coordinator
907.742.4854

Interested in helping organize the 2009 WRM?

Get in touch!

Jerry Hale

jerryhale@chevron.com

925.842.2251

SPE Alaska Section Monthly Technology Highlight

Calling all companies who have an important technology that SPE members should know about! Beginning this fall at each of our monthly section meetings, SPE will invite one company to bring posters, tools, small demonstrations, etc. for display before and after the main body of our meeting. This company would also be invited to provide a seminar or tour of their shop to provide a more in depth look at that particular tool or technology. The Technology Highlight will be publicized by means of a preview in our monthly newsletter and meeting announcements, and then followed up with photos of the event in the next month's newsletter.

The primary goal of this additional feature is to support SPE's mission to disseminate technical information – thus there will be no fee for any company wishing to present the Technology Highlight. That said, as the event is tantamount to an advertising opportunity, it would be appropriate (but not required) for any company presenting to make a donation to the section. The Alaska Section Board of Directors is very excited about this program and optimistic that many companies will wish to take advantage of this opportunity.

Alaska Science & Engineering Fair

Volunteering opportunities are available to support the 53rd Annual Alaska Science & Engineering Fair: "Cool Science" April 11-13, 2008 at Begich Middle School.

- Judging at the Science Fair on Saturday, April 12 2008
- Help w/ registration & safety checks on Friday evening April 11
- Help w/ setup on Friday afternoon April 11
- Help w/ ribbon distribution on Saturday afternoon April 12
- Help w/ awards on Sunday April 13
- Join the Alaska Science & Engineering Fair Board

More information available at www.alaskasciencefair.org.

Call for volunteers: 2009 WRM & ITOHOS to be held in San Francisco

While our 2008 WRM in Bakersfield is just around the corner, the planning for the 2009 WRM is already underway. The meeting will be the week of March 16, 2009, somewhere in the San Francisco Bay Area and will combine the annual Western Region Meeting with the International Thermal Operations and Heavy Oil Symposium.

Jerry Hale of the Golden Gate section is currently forming the General Committee for the 2009 meeting. Many volunteers will be needed over the next year to make the meeting successful. Even if you're not ready to commit to a specific assignment right now, you can add your name to a list of folks to be contacted later in the year. If you anticipate attending the WRM in San Francisco, PLEASE sign up to volunteer!

Alaska Petroleum Section Regional Award Winners

Congratulations to the Alaska Petroleum Section Regional Award Winners: Chris Jenkins, Mark Johnson, and Randy Roadifer! Awards were given at this year's WRM this past week.



Back row, L to R: Representative from BJ Services (accepted corporate award), Yannis Yortsos (USC, Reservoir D&D Award), Bill Cobb (2008 SPE Int'l President), Med Kamal (SPE Western North America Regional Director), Jalal Torabzadeh (CSU - Long Beach, Service Award), **Mark Johnson (BP, Service Award)**

Front row, L to R: **Chris Jenkins (BP, Outstanding Young Member Award)**, Ahmed Badruzzaman (Chevron, Production & Operations Award), Charles Yonke (Aera, Management & Information Award)

Not Pictured: Cynthia Hennigan (Chevron, Service Award), **Randy Roadifer (COP, Service Award)**

Request for Speakers at UAF

Working on something new and exciting? Want to share your current project with some bright, enthusiastic UAF students?

Here is an opportunity for you!!!

The UAF SPE student chapter is looking for and would love to host some guest speakers for their fall semester. This is a great chance to pass on some of your exciting findings, key learnings, or just put a spotlight on things you do on a daily basis.

If this sounds like something you're interested in, here's what you need to do:

- Choose from any one of the following available dates
 - April 25
 - May 2
- E-mail Emberley.Riddle@BP.com with your proposed date and topic or if you have any further questions
- Get your supervisor's approval for travel, topic, expense, etc...

UAF Students Have Success at 2008 WRM

UAF MS petroleum engineering students won the 2nd as well as the 3rd place at this years Society of Petroleum Engineers Western Regional Meeting student paper contest. They competed against Stanford University and University of Southern California. Praveen Singh won the 2nd place and Aditya Deshpande won the 3rd place.

Praveen is currently working on the reservoir modeling aspects of the Barrow Gas Hydrate Project which is funded by the US DOE and Aditya is working on the application of artificial neural networks for permeability characterization.



From left to right: **Aditya Deshpande (3MS)**, Sebastien Matringe (1PhD), Suguru (Taku) Ide (2PhD), Obinna Duru (1MS), **Praveen Singh (3MS)**.

MS Division:

- 1st Place: Obinna Duru of Stanford University (\$500),
- 2nd Place: Praveen Singh of University of Alaska Fairbanks (\$300),
- 3rd Place: Aditya Deshpande of University of Alaska Fairbanks (\$200).

PhD Division:

- 1st Place: Sebastien Matringe of Stanford University (\$600),
- 2nd Place: Suguru (Taku) Ide of Stanford University (\$400).

Overall, this was a very successful event made possible by the help of many people in the organizing committee.

Alaska Professional Engineers

Congratulations to the following SPE Alaska Section members who were recently awarded their Professional Engineering (PE) licenses by the Alaska State Board of Architects, Engineers, and Land Surveyors:

- Erick Peterson, ConocoPhillips Indonesia
- Jennifer Starck, BP Alaska
- Robert Younger, BP Alaska

What are the requirements to take the Petroleum PE Exam? Today, most states require:

- Graduation from an ABET-accredited engineering program.
- Passed the Fundamentals Exam (FE) or Engineer-in Training (EIT) Exam.
- At least four years of professional work experience.

Interested? Contact the Alaska State Engineering Board at (907) 465-1676 for application forms or go to the web: http://www.ncees.org/licensure/licensing_boards/alaska.php. The next PE exam will be given on **Friday, 24 October 2008**. The deadline for registration has not yet been posted.

[Are you already a registered PE?](#)

Don't forget to sign in at our monthly lunches – we're now helping you track your continuing education hours required for recertification.

AADE Fin, Feather, or Fur Food Festival



When: Friday, May 16, 2008

Time: 3:00 – 7:30 pm

Where: Stadium at Kincaid Park

Tickets: \$12 each

Why: Help SPE's Young Professionals...

**Save the world,
One SPEdini at a time!**

Come support SPE's Young Professional's Super Hero Team and help raise money for local charities as they compete for bragging rights in AADE's cook-off competition.

Funds from this event are generally split between donations to local charities and AADE educational initiatives. Local charities such as the Food Bank and Kid's Kitchen are the primary focus for charitable contributions. The educational initiatives are focused on promoting the local oil industry.



[Ticket Information](#)

- Contact Dave Reimer prior to event
–David.J.Reimer@conocophillips.com
–263-4347
- Also limited quantities available day of the event
- Cash, check, or plastic



Alaska Petroleum Section

Interested in placing an ad in the SPE Alaska Section newsletter or website?
Contact akspe@conocophillips.com for more information.



Chevron Corporation is one of the world's leading energy companies. Headquartered in San Ramon, California, and conducting business in approximately 180 countries, the company is engaged in every aspect of the oil and natural gas industry, including exploration and production; refining, marketing and transportation; chemicals manufacturing and sales; and power generation. Chevron Corporation is one of the world's leading energy companies. Headquartered in San Ramon, California, and conducting business in approximately 180 countries, the company is engaged in every aspect of the oil and natural gas industry, including exploration and production; refining, marketing and transportation; chemicals manufacturing and sales; and power generation.

Relocation may be considered within Chevron parameters.

Interested candidates apply on-line to Job URL: http://careers.chevron.com/search_jobs/

Company URL: www.chevron.com

Chevron North America Exploration and Production Company is accepting online applications for the following locations:

Anchorage, Alaska

- Production Engineer (#00647457)
- Reservoir Engineer (#00647438)

Bakersfield, California

- Heavy Oil Thermal Completions Specialist (#03227304)
- Heavy Oil Well Workover & Completion Specialist (#03227305)
- PE – Heavy Oil – Well Management & Surveillance Specialist (#03228576)
- Onsite Well Test Engineer – San Ramon (#03227603)
- Reservoir Engineers (#00647329) (#00647986)
- Reservoir Engineer Heavy Oil Heat Thermal Simulation Specialist (#03227696)
- Reservoir Simulation Engineer (#03227794)
- Senior Production Engineer (#E0647255)

Rangely, Colorado

- Production Engineer (#00647433)

Lafayette, Louisiana

- Operations Engineer (#00647646)

Houston, Texas

- Base Business Advisor (#34047317)
- Formation Damage Specialist (#3228578)
- EOR Team Leader (#03228579)
- Miscible Gas EOR Engineer (#03228580)
- Onsite Well Test Engineer (#03227603)
- PE Consultant (#03227363)
- Petroleum Engineer (#08118530)
- Production Engineer Artificial Specialist (#03227385)
- Production Engineer (#03227796)
- Reservoir Engineer – Takula (#08118529)
- Senior Reservoir Simulation Engineer (#03227331)
- Waterflood Engineer (#03228581)
- Well Test Engineer (#03227913)

Midland, Texas

- Eunice Production Engineer (#00647439)
- McElroy Reservoir Engineer (#00647453)
- Sundown Production Engineer (#00647431)

Chevron North America Exploration and Production Company is accepting online applications for the following International locations:

Southern Africa

- Production Engineer – WRO (#08118531)
- Production Engineer – BLK (#08118533)
- Production Engineer – Mentor (#08118536)

Canada

- Reservoir Engineer – WRO (#08118538)



22nd Annual SPE Golf Tournament

4-Person Scramble

7 AM Shotgun Start

Friday, June 27, 2008

Anchorage Golf Course on O'Malley

Entry Fee: \$100 (SPE Members) / \$125 (Non-Members)

Fee includes breakfast, green fee, golf cart, prizes, BBQ lunch, and beverages

TWO refreshment carts: Alcoholic beverages served ONLY after 10:00 am!

Course Marshals will enforce 'fast play' rules (carts are mandatory)

Tournament is open to all interested parties – SPE membership is not a requirement!

Check-In Opens @ 5:30 am. Shotgun start @ 7:00 am, rain or shine!!!

Trophies awarded to the top teams based on the Abel-Callaway Scoring Method

Award ceremony and door prizes following lunch – **MUST BE PRESENT TO WIN**

****Save \$25 on entry fee by joining SPE****

SPE Membership is open to all oil & gas industry employees

Join online at <https://www.spe.org/weblocked/joinspe/online.shtml>

or contact Chidi Igbokwe (igbok0@bp.com)

No refunds or rain checks

Enrollment is confirmed upon receipt of entry fees

Please contact Jenny Vorpahl (vorpjd@bp.com or 564-5520) with any questions or concerns

-----detach here-----

2008 SPE Golf Tournament Foursome Registration Form

Name	Company	Email Address*	Phone	SPE #
1.				
2.				
3.				
4.				

Enclose entry fee(s) - checks made out to "SPE Alaska Section" - *Cart fees included*

Credit card accepted (with a +3% processing fee)

Return to Olivia Bommarito, SPE Treasurer / P.O. Box 243812 / Anchorage, AK 99524-3812

or e-mail olivia.bommarito@bp.com / phone 564-4096 / fax 564-4014

*Note: e-mail addresses will be used whenever possible to confirm reservations

Levels of Sponsorship

Platinum Sponsorship (\$2000) Includes:

- **1 Free Foursome for the Tournament**
- **Recognition as a Title Sponsor** in the pre-event advertising and promotional material, commencing at the time of major sponsorship commitment (website, SPE newsletter, SPE luncheons, and player registration forms)
- Recognition as a Title Sponsor in the tournament rules packet
- Corporate banner at the registration table during registration
- Corporate banner in patio area during BBQ
- Special recognition as a Title Sponsor during the raffle and awards ceremony
- Recognition as a Title sponsor in Golf Wrap-up announcement placed in Petroleum News

Gold Sponsorship (\$1000 – limited to 2) Includes:

- **Corporate sign on one of two beverage carts**
- **Recognition** in the pre-event advertising and promotional material, commencing at the time of major sponsorship commitment (website, SPE newsletter, SPE luncheons, and player registration forms)
- Recognition in the tournament rules packet
- Corporate banner in patio area during BBQ
- Special recognition during the raffle and awards ceremony
- Recognition in Golf Wrap-up announcement placed in Petroleum News

Silver Sponsorship (\$500) Includes:

- **Corporate Banner at Driving Range**
- **Recognition** in the pre-event advertising and promotional material, commencing at the time of major sponsorship commitment (website, SPE newsletter, SPE luncheons, and player registration forms)
- Recognition in the tournament rules packet
- Corporate banner in patio area during BBQ
- Special recognition during the raffle and awards ceremony
- Recognition in Golf Wrap-up announcement placed in Petroleum News

Bronze Sponsorship (\$350) Includes:

- **Corporate sign at one of 18 holes**
- **Recognition** in the pre-event advertising and promotional material, commencing at the time of major sponsorship commitment (website, SPE newsletter, SPE luncheons, and player registration forms)
- Recognition in the tournament rules packet
- Special recognition during the raffle and awards ceremony
- Recognition in Golf Wrap-up announcement placed in Petroleum News

SPE would be happy to provide you with banners and signs for your designated sponsorships. However, if your company would like to provide their own signage, contact one of our volunteers, and we can make arrangements for signage pick-up.

If you are providing your own signage, consider providing information about not only who your company is, but what your company does. This tournament is open to the public, and many people might not know what service or business your company provides.

2007-2008 Officers, Directors, & Chairs

Position	Name	Company	Phone	E-Mail
Elected Officers & Directors				
AK Section Chair	Chris Jenkins	BP	907-339-5068	christopher.jenkins@bp.com
Vice Chair, Programs	Jack Hartz	DNR	907-375-8239	jack.hartz@alaska.gov
Vice Chair, Membership	Chidiebere Igbokwe	BP	907-564-4795	chidiebere.igbokwe@bp.com
Treasurer	Olivia Bommarito	BP	907-564-4096	olivia.bommarito@bp.com
Secretary	Matt Mower	BP	907-564-5910	matthew.mower@bp.com
Director	Bob Younger	BP	907-564-5392	younger2@bp.com
Director	Randy Roadifer	ConocoPhillips	907-265-1015	r.d.roadifer@conocophillips.com
Director	Tim Crumrine	ConocoPhillips	907-265-6402	tim.w.crumrine@conocophillips.com
Director	Jennifer Julian	BP	907-564-5663	jennifer.julian@bp.com
Director	Chineme Eke	Baker Hughes	907-267-6600	chineme.eke@bakerhughes.com
Director	Brian Magruder	ExxonMobil	907-564-3718	j.brian.magruder@exxonmobil.com
Volunteer Chairs				
Awards & Recognition	Jack Hartz	DNR	907-375-8239	jack.hartz@alaska.gov
BBQ Committee Co-Chairperson	Taylor West	BP	907-564-4647	westtl@bp.com
BBQ Committee Co-Chairperson	Olivia Bommarito	BP	907-564-4096	olivia.bommarito@bp.com
BBQ Committee Co-Chairperson	Alex Yancey	BP	907-564-5092	alex.yancey@bp.com
Continuing Education	Vacant			
Engineering Explorers	Micaela Weeks	BP	907-564-5635	micaela.weeks@bp.com
Engineering Explorers	Gordon Pospisil	BP	907-564-5769	pospisg@bp.com
Engineering Explorers	Alex Yancey	BP	907-564-5092	alex.yancey@bp.com
Engineering Week Co-Chairperson	Jacki Randal	BP	907-564-4590	jaclyn.randall2@bp.com
Engineering Week Co-Chairperson	Chris Stone	BP	907-564-5684	christopher.stone@bp.com
Engineer of the Year	Mark Johnson	BP	907-564-5666	johnsomo@bp.com
Golf Committee Chairperson	Tom Walsh	PRA	907-230-9840	tpwalsh@alaska.net
Newsletter	Forest Bommarito	ConocoPhillips	907-263-4280	forest.bommarito@conocophillips.com
Webpage	Scott Stanley	ConocoPhillips	907-265-1434	scott.m.stanley@conocophillips.com
Publications Mentor	Vacant			
Publicity	Meghan McKee	ConocoPhillips	907-263-4518	meghan.r.mckee@conocophillips.com
Scholarship	Chineme Eke	Baker Hughes	907-267-6600	chineme.eke@bakerhughes.com
Technology Transfer Committee Chair	Doug Hupp	Schlumberger	907-273-1771	dhupp@anchorage.oilfield.slb.com
UAF Liaison	Shirish Patil	UAF	907-474-5127	ffslp@uaf.edu
UAF Student Chapter Liaison	Emberley Riddle	BP	907-564-5808	emberley.riddle@bp.com
Young Professional Liaison	Tim Crumrine	ConocoPhillips	907-265-6402	tim.w.crumrine@conocophillips.com

If you have questions, concerns, or ideas, please feel free to contact any of us.