The CO2 Conference Week Midland, Texas, December 9-13, 2013

As a resource for enhancing oil production and as a solution for reducing greenhouse gas emissions, carbon dioxide plays an enormous role. However, the challenge is “How do we better understand the interplay between CO2 capture and storage (CCUS) and CO2 EOR?”

This year’s CO2 Conference Week addresses this challenge thoroughly and practically. The week begins with the EOR Carbon Management Workshop’s forum, “Concurrent CO2 EOR and CO2 Storage: Issues and Pathways Forward for CCUS Implementation,” and ends with the CO2 Flooding Conference’s field tour, surveillance and monitoring short courses, case studies, and supply, and flood practices theme sessions.

The business potential for CO2 is one of a kind. Now is your opportunity to gain the ideas and insights that will help you find answers and discover new possibilities.

**CO2 Conference Week Events at a Glance**

**Monday Dec 9**

- 7 am: Registration
- 8 am: Reception I
- 9 am: Carbon Management Workshop Primary Sponsors
- 10 am: Carbon Management Workshop Supporting Sponsors
- 11 am: Luncheon
- 12 pm: KEyNOTE Speaker
- 1 pm: Registration
- 2 pm: Reception II – Midland Center
- 3 pm: CO2 Flooding Conference Sponsors
- 4 pm: CO2 Flooding Conference

**Tuesday Dec 10**

- 7 am: Registration
- 8 am: Global CCS Institute’s CCS Rules and Regulatory Forum
- 9 am: Carbon Management Workshop Primary Sponsors
- 10 am: Carbon Management Workshop Supporting Sponsors
- 11 am: Luncheon
- 12 pm: KEyNOTE Speaker
- 1 pm: Registration
- 2 pm: Reception III – CO2 Flooding Conference
- 3 pm: Conference Week Concludes

**Wednesday Dec 11**

- 7 am: Registration
- 8 am: CO2 Conference Short Course – Surveillance and Monitoring of CO2 Injection Projects
- 9 am: CO2 Conference Theme Session I – CO2 Supply and Flood Operations
- 10 am: Light Lunch
- 11 am: Conference Week Concludes

**Thursday Dec 12**

- 7 am: Registration
- 8 am: CO2 Conference Theme Session II – CO2 Flood Ops, Planning and Case Histories
- 9 am: Mars Rover Presentation – On the Findings From the Martian Rover Exploration Mission
- 10 am: Rebecca Williams, Planetary Research Institute
- 11 am: Bus transportation available to and from Reception III – CO2 Flooding Conference
- 12 pm: Conference Week Concludes

**Friday Dec 13**

- 7 am: Registration
- 8 am: CO2 Conference Theme Session III – Reservoir Case Histories
- 9 am: Luncheon
- 10 am: CO2 Conference Theme Session I – CO2 Supply and Flood Operations
- 11 am: Registration
- 12 pm: Conference Week Concludes

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**Thank You Sponsors**

**CO2 Conference Week Sponsors**

- MAERSK
- PREMIER OIL RECOVERY
- REAGAN

**FLOODING CONFERENCE SPONSORS**

- FISHER, MIDDLETON & COMPANY, P.A.
- HUGHES NOBLE CO.
- SCHLUMBERGER CABLE SERVICES

**CARBON MANAGEMENT WORKSHOP PRIMARY SPONSORS**

- PREMIER OIL RECOVERY
- MAERSK
- REAGAN

**CARBON MANAGEMENT WORKSHOP SUPPORTING SPONSORS**

- Advanced Resources International
- Annual CCUS Conference
- Atlantic Council
- Applied Petroleum Technology Academy
- Bureau of Economic Geology, Jackson School of Geosciences
- Clean Air Task Force
- Energy & Environmental Research Center (EERC), University of Minnesota
- ExxonMobil Exploration and Production Canada
- ExxonMobil Exploration and Production International
- ExxonMobil Upstream Research Company
- Fastnet Inc.
- Fearn Oil Inc.
- Gardere, Wynne, Sewell LLP
- GHG Reduction Technologies Monitor
- Interstate Oil and Gas Compact Commission
- International Energy Agency
- Kazmarek Mowrey Cloud Laseter LLP
- LTI
- Melzer Consulting
- Navajo Nation
- North American Carbon Capture and Storage Association
- Parker Environmental and Consulting
- PCCER Partnership
- Pernice CCS Center, Rice University’s Energy and Environment Initiative
- Southern Generation Technologies LLC
- Southern Company
- Southern States Energy Board
- Southern States Energy Board
- Summit Power Group LLC
- Tabula Rasa Energy
- Texas Carbon Capture and Storage Association
- US Carbon Sequestration Council
- US Department of Energy’s Loan Programs Office
- Ultimate EOR LLC

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*All Events at the Midland Center Unless Otherwise Noted.*
Wednesday, December 11

Field Trip to the SACRO Flood and Facilities

9:00 AM – 5:00 PM
• Fundamentals of CO2 Flood Surveillance – Joe MacKenzie
• CO2 Supply and Flood Operations – John Sorensen
• Monitoring Case Histories – Chad McGehee

MODERATOR: John Sorensen, Energy & Environ Research Center, Texas A&M University

Wednesday, December 11

CO2 Conference Short Course

1:00 PM – 5:15 PM
• Welcome and Intro – Steve Wolin, MPA

1:15 PM – 5:15 PM

10:15 – 10:30 PM
Brook

10:30 – 11:15 PM
The Testing: Legging Methods Utilized in CO2 Flood Surveillances – Wayne Row, Schlumberger

11:15 – 12:00 PM

12:00 – 12:45 PM
Buffer Track

12:45 – 1:30 PM
Pattern Balancing and Mass Balance – Dave Marchant, Mentor Consulting

1:30 – 2:30 PM
Monitoring for Stagnation (An خاصة) – Sue Howin/UT Austin/RES, Gulf Coast Carbon Center

MONITORING CASE HISTORIES

3:30 PM – 3:50 PM
Ball Chairs Field, Montana – John Haslip / PG
date

3:50 – 4:10 PM
Networking Break

4:10 – 4:30 PM
International Case – Pamela Torelli, Global CO2 Institute (www.globalcarboninstitute.com)

4:30 – 4:50 PM
Panel: CO2 EOR and Chemical EOR Panel – Moderator: Ed Helminski, CarbonSeq/GHG Monitor; Jason Sowel, Business Development Manager, Fluor Power and Technologies (www.carbon-seq.com); Dave Merchant, Merchant Consulting (www.merchantconsulting.com); Dr. Sean McCoy, Gardere Wynne, Sewell LLP (www.gardere.com)

5:00 – 5:30 PM
Closing Roundtable – Doug Wirtz, President, Carbon Registry; Mike Wolin, NACCSA/Hybrid;

Kipp Conference, Montana; Gardere Wynne, Sewell LLP (www.gardere.com)

5:30 – 6:00 PM
Networking Break – Pamela Torelli, Global CO2 Institute (www.globalcarboninstitute.com)

THE 19th ANNUAL CO2 FLOODING CONFERENCE

TUESDAY SESSION #1: CO2 Supply and Flood Operations

8:00 – 8:45 AM
Recruit of the EOR and Carbon Management Workshop – Mike More, Workshop Director

9:00 – 10:30 AM
North American CO2 Supply Updates – Dan Munn, Enhanced Oil Recovery Institute

10:45 – 12:00 PM
Displaying Advanced Technologies for EOR CO2 Separation Processes of Two US Projects Including CO2 Capture at Port Arthur, Texas – (John Sorensen, Advanced Resources Intl.)

11:15 – 11:30 PM
Speaker Panel Discussion – All Speakers

11:45 – 12:00 PM
Launch at the Midland Center – Keynote Speaker

TUESDAY SESSION #2: CO2 Flood Ops, Planning and Case Histories

1:00 – 3:30 PM
New Operational Technologies in CO2 EOR – Chad McGuire, Hess Corporation

2:00 – 4:30 PM
Shape Design and Experimental Design of CO2 Injections (Conferences and Technology Transfer) – Dr. Sean McCoy, Gardere Wynne, Sewell LLP (www.gardere.com)

3:45 – 4:30 PM
The Wellman Field Case History (West Texas) – Broom Howard, F7 Energy

4:45 – 5:15 PM
Panel Discussion – All Speakers

5:30 – 7:00 PM
Transportation/Processing Technology Center sponsored by Kinder Morgan CO2 Company, Reservoir, N. Hall and Associates, and Chevron, with a second look at the Permian Basin SPE – Rebecca Williams, Planning Committee

FRIDAY, DECEMBER 13, 2013

TUESDAY SESSION #3: CO2 Flood Case Histories

8:45 – 10:45 AM
Flexibility in CO2 Compression – Jason Sevin, Reconva Power and Compression (American Market)

9:15 – 10:05 AM
Concepts for CO2 EOR in the Bakken Formation – Broom Howard, F7 Energy

10:15 – 11:45 AM
Reservoir Case Histories, Hardcases and Dry Eyes – David O’Sullivan, Denver Resources (Invited)

11:45 – 1:15 PM
KASCOS (CO2 Flood Project Contracts) Challenges: Past, Present, and Future – Steve Petrie, Kinder Morgan CO2 Company

11:45 – 1:15 PM
Norwegian Investigations of Reduced Oil Zones – Ingolf Toftegaard Hilti, Norwegian Petroleum Directorate (Invited)

12:15 – 2:00 PM
Speaker Panel Discussion – All Speakers

Lunch at the Midland Center – Keynote Speaker

TUESDAY SESSION #4: Carbon Waxes, Surfactants, and Co2 Flood Management Workshop

10:00 – 11:00 AM

1:00 – 2:00 PM
Chair: Steve Wolin, MPA / PG

1:30 – 1:50 PM
Chad McGehee, Hess Corporation

1:50 – 2:10 PM
Roger sweat, Pioneer Energy

2:10 – 2:30 PM
Robert Murrell, Enhanced Oil Recovery Institute

THURSDAY, DECEMBER 12

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