

The 13th Annual (2015) EOR Carbon Management Workshop & 21st Annual CO₂ Flooding Conference – Midland, Texas

Registration site:



<http://www.CO2Conference.net>

2015 CO₂ Conference Week: Midland, Texas

(All Events to be held in Downtown Midland Center (MC))

	Tues 12/8	Wed 12/9	Thur 12/10	Fri 12/11
7am	Check-in (MC)		Check-in (MC)	
8am		Check-in (MC)		
9am	Session I Carbon Mgmt Workshop	Seminar entitled Case Histories and Science of Producing Oil from the ROZ	CO ₂ Theme Session I: CO ₂ EOR Policy and Flood Ops	Session III CO ₂ Theme Session: Reservoir Case Histories
10am				
11am				
12pm	Luncheon Keynote: Dan Cole, VP – Commercial Dvlpmnt & Gov't Relations	Check-in (MC)	Keynote Lunch Speaker: Kenneth A Golden, Commercial Adv for Exxon Mobil; "The Outlook for Energy: A View to 2040"	Light Lunch Midland Center
1pm	Session II Carbon Mgmt Workshop	Field Trip to Seminole San Andres Unit CO ₂ EOR Flood and Surface Facilities	CO ₂ Theme Session II: CO ₂ Flood Ops & Reservoir	Conf Conclusion
2pm				
3pm				
4pm				
5pm				
6pm	Reception - Midland Center	Reception - Midland Center	Reception - Perm Basin Petroleum Museum	
7pm				LEGEND EOR Carbon Management CO ₂ Flooding Conference STIPPLED EVENTS HAVE LIMITED SEATING AND REQUIRE SEPARATE RESERVATIONS
8pm				

The 13th Annual (2015) EOR Carbon Management Workshop – Midland, Texas

Tuesday Dec 8 - Check in at 7:30 AM at the Midland Center

Main Program full day 8:00-5:30 pm

Registration starts at 7:30am - A continental breakfast is available. Technical Session Tuesday Dec 8th from 7:30 am ends at 6:00 pm

8:00-8:15 Opening of Program Michael Moore NACCSA/FearnOil Inc. and Steve Melzer- APTA

8:15-8:45 Opening Keynote Speaker-Latest on Developments in CO₂ EOR Resource Plays Vello Kuuskraa President and COB of Advanced Resources Intl. www.adv-res.com
Confirmed

8:45-9:15 TCEP- Summit Power Updates and Additional Projects Eric Redman President Summit Power Group LLC www.summitpower.com *invited* per Sasha Mackler

9:15-9:45 NRG-Petra Nova Parish CCUS Project Texas Latest Developments; Petra Nova, *invited* www.nrg.com/carboncapture & JX Nippon Oil Exploration (U.S.A.) Ltd. (WA Parish Petra Nova CCUS Project partner) www.nex.jx-group.co.jp/english/newsrelease/2014/20140908_01.html *Invited*

9:45-10:15 Highlights and Recent Developments from the Southern States Energy Board's Recent CO₂-EOR Resolution Ken Nemeth Executive Director SSEB www.sseb.org
invited

10:15-10:35 Latest Developments at the EERC and CO₂ in the Bakken Shale for EOR. John Harju Associate Director for Research at the EERC www.undeerc.org *confirmed*

10:35-10:50 Networking Break

10:50-11:10 Navajo Nation-Abundant Resources and Carbon: Oil/Gas, CO₂-EOR and Coal. Anthony Peterman Special Assistant to the Office of the Speaker Navajo www.navajo-tec.com *Invited*

11:10-11:30 International Standards Organization (ISO) Overview and WY CCS Institute: Kipp Coddington General Counsel NACCSA and Partner Kazmarek Mowrey Cloud Laseter LLP www.naccsa.org & www.kmcllaw.com & Director of the WY CCS Institute
Confirmed

11:30-12:00 The International Perspectives on Climate Momentum and effects per CCS/CCUS and EOR, Scott Stone, Hunton & Williams *Confirmed*

12:00-1:30 Luncheon Keynote luncheon speaker- Dan E. Cole, VP – Commercial Development & Government Relations, Denbury Resources

1:30-1:50 A World View on CCUS and its Applications/Developments/Value Proposition Chuck McConnell Executive Director, Energy and Environment Initiative (e2i)
www.eei.rice.edu

1:50-2:10 Global CCUS Developments. Neil Wildgust Principal Manager - Global CCS Institute
www.globalccsinstitute.com *confirmed*

2:10-2:30 Monitoring and Surveillance Aspects of the First CO₂ Sequestration Project in Saudi Arabia. Modiu Sanni & Sunil Kokal Reservoir Engineering Tech Team EXPEC Advanced Research Center Saudi Aramco www.aramco.com *Invited*

2:30-2:45 Networking Break

2:45-3:15 GHG Permitting in Texas. Scott Deatherage Partner Gardere LLP www.gardere.com
confirmed

3:15-3:45 How Green is My Oil: Life Cycle Analysis of CO₂ EOR, Nick Azzolina, The CETER Group, Inc *confirmed*

3:45-4:45 CO₂-EOR Capture Incentives Panel Session Brad Crabtree *confirmed* NEORI Shannon Angeilski of CURC *confirmed*

4:45-5:00 Storage Technology Developments Dr. Arne Grau NorTex *confirmed*

5:00-5:15 Carbon Markets and latest developments per CO₂-EOR Michael Moore, NACCSA/FearnOil

5:15- 6:00 Workshop Overview and Insights Panel: Michael Moore-FearnOil/NACCSA, Steve Melzer-APTA joined by Vello Kuuskraa-ARI, John Harju EERC, Anthony Peterman-Navajo Nation

6:00 - 7:30 Workshop Networking Reception

Check in Wednesday AM at 7:30 at the Midland Center

2015 ROZ Seminar Agenda - Wed 12/9/15

Seminar on the Origins, Processes and Exploitation of Residual Oil Zones

Reception at the Midland Center to Follow

- I. Introduction: The Evolving Understanding of ROZs
- II. The Science of ROZs
- III. ROZ Properties and Characteristics
- Break
- IV. The Permian Basin ROZ Resource (San Andres)
- V. CO₂ EOR and Depressuring the Upper ROZ (DUROZ) Case Histories
- VI. Big Horn Basin ROZs
- VII. Williston Basin ROZs

12:00 Close of Seminar; Buffet Lunch at the Midland Center for those not going on the Seminole Field trip; Box Lunch for those that are going

5:30 PM - 7:30 PM Reception at the Midland Center

Day's Agenda for the Seminole Field and Facilities Field Trip Hosted by the Hess Corporation

Wednesday, December 9, 2015

CO₂ Conference Field Trip Plans and Itinerary

Note: Limited Space is Available - Last year the field trip was filled the 2nd week of November, cutting it off at two buses

<u>Time</u>	<u>Bus #1 and Bus #2 Agenda</u>
11:30 AM	Check-in at Midland Center
12:00 Noon	Pick Up Box Lunch, Board Bus
12:30 PM	Buses Depart Midland Center Promptly
	Trip Info packet for each participant for handout on bus, Lunch
1:30 PM	Arrive at Seminole Field Office
1:30 - 2:10 PM	Comfort Stop, Field Overview, Status and Safety Briefings
2:10-3:00 PM	Buses will split up – Bus 1: Tour of Injection and Producing Wells, Satellite Station; Bus 2 : Tour CO ₂ Recycle and Plant
3:15 - 4:15 PM	Bus 2: Tour of Injection and Producing Wells, Satellite Station; Bus 1: Tour CO ₂ Recycle and Plant
4:15-4:30 PM	Comfort Stop
4:30-5:30 PM	Return to Midland Center
5:30-7:30 PM	Reception at Midland Center

2015 ROZ Seminar Agenda - Wed 12/9/15

Seminar on the Origins, Processes and Exploitation of Residual Oil Zones

Reception at the Midland Center to Follow

7:30		Check in Wednesday at the Midland Center	
8:15	I.	Introduction: The Evolving Understanding of ROZs	Melzer/Trentham
8:30	II.	The Science of ROZs	David Vance/Arcadis
9:00	III.	ROZ Properties and Characteristics	Melzer/Trentham
9:30		Break	
9:50	IV.	The Permian Basin ROZ Resource (San Andres) ARI CO2 EOR and Depressuring the Upper ROZ (DUROZ) Case Histories	
10:15	V.a.	EOR Case Histories	Trentham
10:40	V.b.	DUROZ Case Histories	Melzer
11:00	VI.	Big Horn Basin ROZs	EORI or Melzer
11:30	VII.	Williston Basin ROZs	Melzer
12:00		Close of Seminar; Buffet Lunch at the Midland Center for those not going on the Seminole Field trip; Box Lunch for those that are going	
5:30 PM		Reception at the Midland Center	

Agenda for the 21st Annual CO₂ Flooding Conference – Midland Center

2015 CO₂ Conference Theme Session Agenda (as to be given; December 10-11, 2015)

Check in at 7:30 am at the Midland Center - THURSDAY, DEC 10th

Theme Session #1: "CO₂ Supply and Flood Operations" (Thursday, Dec 11th: 8:00 to 11:20 am)

- 8:00-8:45 "Recap of the EOR Carbon Management Workshop;" Mike Moore - Workshop Director
- 8:45-9:40 **Panel of Speakers on "Induced Austerity in CO₂ EOR: A Look to Crashes of the What May Come in the Future"; Steve Melzer, Melzer Consulting, Gary Bullock, Whiting Petroleum; and Chuck Fox, Windy Cove**
- 9:40-10:15 **Break**
- 10:15-11:00 "Section 43 Tax Credit Preparation and Qualification," Jeff Lambert, Lambert Tax Consultants
- 11:00-11:30 Speaker Panel Discussion - All Speakers
- 11:30-1:00 **Lunch at the Midland Center - Keynote Speaker: Kenneth A Golden, Commercial Advisor for Exxon Mobil, "The Outlook for Energy, A View to 2040"**

Theme Session #2: CO₂ Flood Ops, Planning and Case Histories" (Thurs, Dec 10th: 1:00-5:15 pm)

- 1:15-2:00 "Why Not Let Nature Do the CO₂ Dehydration? Risks and Rewards of Ambient Water Separation"; Paul Carmody, Facility & Plant Consulting, LLC
- 2:00-2:40 "A New Field Tested Depth to Surface Resistivity Survey Technique for Surveillance of CO₂ in the Reservoir," Paul Esposito, GroundMetrics
- 2:40-3:10 "Alternatives & Options to Archie's Equation: Latest Cased and Open Hole Wireline Technology for Oil, Water & Gas Saturations"; Lance Smith, Principal Petrophysicist, Schlumberger
- 3:10-3:30 **Break**
- 3:30-4:10 **"The Permian Basin 12-County ROZ Study Results," Robin Petrusak and Vello Kuuskraa, Advanced Resources International**

- 4:10-4:40 "The Beaver Creek Flood in Wyoming, An Update," Bob Schwager, Devon Energy
- 4:40-5:15 Panel Discussion All Speakers
- 5:30-7:30 Reception at the Permian Basin Petroleum Museum Sponsored by the PB Section of the Society of Petr Engineers – Transportation will be available to and from the Petroleum Museum from the Midland Center

FRIDAY, DEC 11th – 8:15-12:00 Noon (a lite Lunch will be available following the presentations)

Theme Session #3: "CO₂ Flooding Case Histories" (Fri, Dec 11th: 8:15 am- 12:15 pm)

- 8:15-8:50 Burnett Ranch CO₂ Project, King Co., Tx"; Hunt Oil Company (awaiting approval)
- 8:50-9:30 Big Sand Draw (WY) CO₂ Flood Update, Doug Flaten, Devon Energy
- 9:30-10:10 CO₂ Flood Case History #3 - TBA
- 10:10-10:30 Break
- 10:30-11:15 "Ethane/NGL Additives to CO₂ for MMP/Critical State Reductions,"
Steve Hawthorne, Energy and Environmental Research Center, ND
- 11:15-11:50 The Caprock CO₂ Project, Legacy Reserves (Awaiting Approval)
- 11:50-12:15 Panel Discussion All Speakers
- 12:15 Light Lunch and Conference Conclusion