



Course IV: Emerging Trends and Communications for Oil and Gas Inspectors

The University of Texas at Austin

Bureau of Economic Geology, 10100 Burnet Rd., Bldg 130, Austin, TX 78758

Hotel: LONE STAR COURT at the Domain

Instructions for Internet connection:

Connect to attwifi network

Open web browser and click on "Use A Coupon" & enter Code: WPKC-X6NL-MS

May 23-25, 2017

Tuesday, May 23, 2017 - Classroom

Breakfast at LONE STAR COURT hotel

- 8:00am Walk from LONE STAR COURT to UT PRC BEG 1.116C
- 8:15-8:45 Registration, Coffee and Networking
- 8:45 TOPCORP Welcome, Announcements and Introductions
Scott Tinker, Director, Bureau of Economic Geology
Hilary Clement Olson, TOPCORP, The University of Texas at Austin
Azra Tutuncu, TOPCORP, Colorado School of Mines
Dan Brockett, TOPCORP, Penn State University
- 10:15 Emerging Concerns: Pore Pressure and Well Design
Lecture and Activity
Jon Olson, The University of Texas at Austin
- 12:00pm Lunch
- 12:45 Activity Sessions: each group of 10 people does two rotations:
Drilling simulator and pressure control
(Paul Bommer, The University of Texas at Austin)
Building an Enforcement Case
(Dan Brockett, Penn State University/Linda Battalora, Colorado School of Mines)
Core workshop: Drilling Induced & Natural Fractures
(Jon Olson, The University of Texas at Austin/Azra Tutuncu, Colorado School of Mines)





Core workshop: Depositional Environments & Reservoir Properties
(Hilary Olson, The University of Texas at Austin)

- 3:00 Coffee and Networking Break
- 3:30 Emerging Concerns: Induced Seismicity
Lecture
Cliff Frohlich, The University of Texas at Austin
- 4:30 Emerging Concerns: Induced Seismicity - Seismic Hazard and Risk
Assessment
Lecture
George Zalachoris, The University of Texas at Austin
- 5:00 Communications and Agency Response: Ft. McMurray Wildfires
Colin Woods, Manager - Enforcement and Surveillance (In Situ), Alberta
Energy Regulator
- 5:45 Wrap-up and evaluation
- 6:00 Adjourn
- 6:00-7:30pm Happy Hour (TOPCORP heavy appetizers and cash bar) in courtyard of LONE
STAR COURT





Wednesday, May 24, 2017 –Field Trip

Breakfast at LONE STAR COURT hotel

7:30am Bus departs from hotel

FIELD TRIP

9:00 Meet Texas Railroad Commission staff at Buc-ee's and depart in caravan

9:30 Tour disposal facility (arranged by Texas Railroad Commission)
FES SWD (GC) Operating LLC
Disposal Facility (Injection well)
311 Farm to Market Road 2814, Waelder, TX 78959

11:15 Bar-B-Que Lunch at City Market, Luling, TX

12:30pm Stop at Buc-ee's (I-10 and 183)

1:00 Meet EOG staff at Buc-ee's and caravan to EOG site

1:30 Tour EOG's HF job near Gonzales, TX (arranged by Texas Railroad Commission)
TOPCORP subject matter experts: Jon Olson and Azra Tutuncu

3:30 Load bus to return to return to LONE STAR COURT

5:40pm Arrive LONE STAR COURT





Thursday, May 25, 2017 - Classroom

- Breakfast at LONE STAR COURT hotel
- 7:45am Walk from LONE STAR COURT to UT PRC BEG 1.116C
- 8:00 Coffee and Networking
- 8:30 Emerging Concerns: Hydraulic Fracturing
Lecture and Activity
Jon Olson, The University of Texas at Austin
- 10:15 Break
- 10:30 Emerging Concerns and Response: State, Industry, Academia
Initiatives
Panel
Peter Hennings, Bureau of Economic Geology
Leslie Savage, Railroad Commission of Texas
Jake Walter, Oklahoma Geological Survey
- 12:00pm Lunch
- 12:45 Communications: Difficult Situations
Lecture
Art Markman, The University of Texas at Austin
- 1:30 Activity Sessions: each group of 10 people does two rotations:
Drilling simulator and pressure control
(Paul Bommer, The University of Texas at Austin)
Building an Enforcement Case
(Dan Brockett, Penn State University/Linda Battalora, Colorado
School of Mines)
Core workshop: Drilling Induced & Natural Fractures
(Jon Olson, The University of Texas at Austin/Azra Tutuncu, Colorado
School of Mines)
Core workshop: Depositional Environments & Reservoir Properties
(Hilary Olson, The University of Texas at Austin)
- 3:45 Coffee and Networking Break





- 4:15 Emerging Concerns: Methane Emissions
Lecture
David Lyon, Environmental Defense Fund
- 5:00 Wrap-up and evaluation
- 5:15 Adjourn
- 6:30pm Farewell Dinner (with cash bar) at Maggiano's (across from
LONE STAR COURT)
- Dinner
Speaker: Scott Anderson, Environmental Defense Fund
Certificate Ceremony

