**Instructor:**
EGI Research Staff and Affiliate Scientists

**Course Structure**
1 day Core Workshop
3 days Field Trip

**Participants**
10-15

**Duration**
4 days

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**Carbonate Sedimentology & Sequence Stratigraphy Field Course**

Petroleum Systems of the Paradox Basin

Available to EGI Corporate Associate Members

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**DAY 1: UTAH GEOLOGICAL SURVEY CORE LIBRARY**
(SALT LAKE CITY, UT)

- AM: Refresher course on sedimentology and sequence stratigraphy of carbonate depositional systems.
- PM: Description and interpretation of core from the Middle Pennsylvanian Paradox Formation, Paradox Basin, Utah.
  - Drive to Price, UT. Spend the night here.

**DAY 2: PRICE TO BLUFF, UT**

- AM: Clastics and carbonates, including Sinbad Limestone, in the San Rafael Swell
- Drive to Moab;
- PM: Upper Hermosa Outcrops near Potash, Utah (mixed carbonate-siliclastic facies);
  - Continue drive to Bluff, UT and spend the night.

**DAY 3: HONAKER TRAIL SECTIONS**

- AM: Carbonate sedimentology and sequence stratigraphy of the Hermosa Group at Honaker Trail; emphasis on facies, facies stacking patterns, recognition of sequence boundaries, flooding surfaces, systems tracts and scales of cyclicity.
- PM: Aneth Field; discussion of production history of the Aneth Field

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EMAIL: ContactEGI@egi.utah.edu
PHONE: (801) 585-3826
Day 4: Float Trip through the Raplee Anticline:

- AM: Jurassic through Middle Pennsylvanian rocks along river. Eight-Foot Rapids Lower Ismay phylloid algal mound complex. Reservoir facies and source rocks.
- PM: Desert Creek facies and cyclicity. Discussion of Akah evaporates.
- Summation of Paradox Basin stratigraphy and petroleum systems.

At the conclusion of the Field Course there are two options from Bluff to airports with flights to Houston and elsewhere:

- Option A – Return to and spend the night in Salt Lake City.
- Option B – Continue on to and spend the night in Farmington, NM.

Day 5: Flights home