

How to Start/Fix/Manage a Small Waterflood and Successful Practices

***Sponsored by Texas Alliance of Energy Producers and PTTC Texas/SE
New Mexico Region***

**Instructors, Scott Atkinson, ExL Petroleum; Dr. Robert Trentham, U.T.
Permian; Robert D. Kiker, PTTC Texas/SE New Mexico Region**



**Tuesday, March 24, 2009
8:30 a.m. – 4:30 p.m.**



Attendance limited to 90 participants

***Location: Ellison Miles Geotechnology Institute, Brookhaven College,
3939 Valley View Ln, Building H, Farmers Branch, TX 75244***

[Directions and lodging information](#)

[Click here to register online](#)

***Registration Fee: \$185.00 per person; TAEP members \$150.00 per person
Includes morning refreshments, lunch, and instructor handouts***

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Workshop Description

There are many potential small waterflood candidates around the U.S. This seminar will give you the information necessary to initiate or remediate a small waterflood. The focus of the presenters will be on what works: techniques that will improve the chance of success for your waterflood project from the geology to reservoir engineering to operations, and the regulatory aspects of operating a waterflood. Emphasis will be given to technology applications that are proven, doable and effective. Low operating costs are important to your project and will receive emphasis in the seminar as well.

Who Should Attend

Engineers, geologists, land management personnel, operations personnel (office and field), and others that have ownership in a currently operating waterflood, a lease/unit where waterflooding is being considered, or a leasing play with intent of waterflooding/EOR.

Agenda

8:00 a.m. Registration and Refreshments

8:30 a.m. **Reservoir Engineering** by *Scott Atkinson, ExL Petroleum L.P.*

Topics

- Use of analogy projects for design
- Key reservoir parameters for success
- Patterns & pilots drive waterflood performance
- Resources and tools for waterflood design and monitoring

Agenda, continued

10:30 a.m. **Break**

10:45 a.m. **Targeting a Waterflood and Case Studies** by *Dr. Robert Trentham, U.T.*
Permian Basin

Topics

- Establishing a Base Line - Data Mining of engineering data for Geologic insight - Water Chemistry, BHP data, field data, and other sources (libraries and repositories)
- Basic Geologic Modeling from available data, including outcrop analogs and 3D seismic

11:45 a.m. **Lunch**

12:30 p.m. **Targeting a Waterflood and Case Studies** by *Dr. Robert Trentham, U.T.*
Permian Basin, continued

Topics

- Geologic pitfalls to avoid
- Value of the integrated team approach

1:30 p.m. **Operational Issues** by *Robert D. Kiker, PTTC Texas/SE New Mexico Region*

Topics

- Successful Practices in Handling Produced Water –Both Produced and Injected/Waterflood/Disposal
- Wellbore Management Practices

3:00 p.m. **Break**

3:15 p.m. Regulatory Issues

4:00 p.m. Panel for Additional Q & A

4:30 p.m. End of workshop

About the Speakers

Scott Atkinson has designed, implemented and monitored the performance of improved recovery projects for most of his 29 years in the domestic oil and gas industry. His work background includes reservoir and production engineering for majors and small independents. He is currently Engineering Manager for an independent producer in Midland, ExL Petroleum L.P.

Dr. Bob Trentham has over 28 years of Permian Basin experience in production and exploration geology for majors to small independents. He has worked many small to large waterfloods and has been involved in the implementation of CO₂ floods. He has also had new field and new pool discoveries. He is presently Director of the Center for Energy and Economic Diversification and Senior Lecturer in Geology at the University of Texas of the Permian Basin.

Robert D. Kiker is the Program Director for the PTTC Permian Basin is currently President of the Applied Petroleum Training Academy and has spent 45 years in the oil and gas Industry at Conoco and as a consultant. He is a registered professional engineer, has served as a SPE Distinguished Lecturer, was inducted into the Texas Tech Academy of Petroleum Engineers, and is an expert in oil field operations including CO₂ enhanced oil recovery.

Registration

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March 24, 2009**

[Register online](#)

For all other registration, print out form below and

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