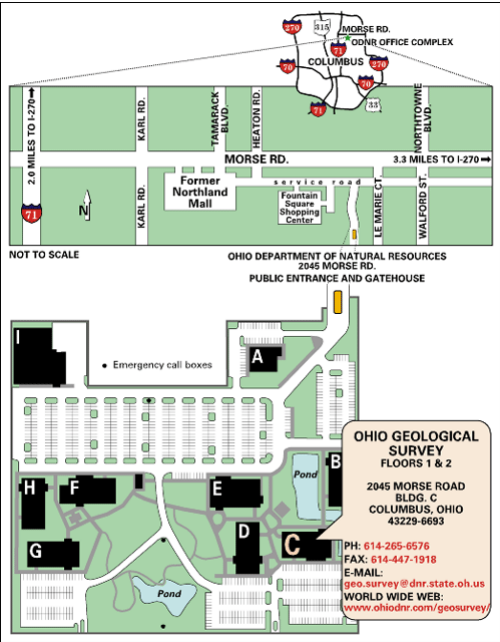


LOCATION

The workshop will be held at the Ohio Geological Survey in Building I. The Survey is located at: 2045 Morse Rd., Bldg. (Fountain Square),Columbus, OH 43229-6693. Telephone: (614) 265-6576



LODGING

Participants arriving the night before the workshop need to make their own reservations at one of the nearby hotels, including the Midwest Hotel (613-846-0300), Howard Johnson or Motel 6. Also, just a little further out is Courtyard Marriott @ Easton Mills (614-416-8000).

REGISTRATION AND FEES

Please note that advanced registration is necessary to adequately plan the catered lunch, and will begin now and end August 22nd. **Registration is limited.** The cost is \$75.00 for workshop. Please complete the enclosed registration form and return it with a total of \$75.00 (U.S.) to the address listed. Please make checks payable to: **“West Virginia University Research Corporation (WVURC).”** The registration fee covers the entire cost of the workshop, continental breakfast, morning and afternoon coffee breaks and lunch.

PROFESSIONAL DEVELOPMENT HOURS (PDH)

Are you an Engineer or other professional out there who needs verification of these hours? Well, PTTC has banded together nationwide to assist in this process. Upon completion of a workshop, participants will be given a certificate of completion for the course and the appropriate number of hours for PDH credit. Each certificate will have the schedule on the reverse side for easy authentication.

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NRCCE/West Virginia University
PTTC Appalachian Region
P.O. Box 6064; Evansdale Drive
Morgantown, WV 26506-6064
Phone: (304) 293-2867x5446
ADDRESS CORRECTION REQUESTED

RESERVOIR GRAIL, AUGUST 29, 2006



Designing and Forecasting Waterfloods using ReservoirGrail

August 29, 2006
Columbus, OH

Host
PTTC Appalachian Region
Ohio Geological Survey

PTTC gratefully acknowledges that its primary funding comes through the U.S. Department of Energy’s (DOE) Office of Fossil Energy through the National Energy Technology Lab (NETL).



WORKSHOP SCOPE

High oil prices allow for a re-examination of mature and abandoned fields to identify oil that is now economically recoverable (reserves). In mature oil producing basins there are many fields that have either been plugged, abandoned or are inactive. Now several million barrels of incremental oil production may be recovered.

Using an old abandoned field in Texas, the workshop participants will create a waterflood development plan and quantify the incremental waterflood production and value the upside potential for increased reserves. ReservoirGrail, a Time Dynamic Volumetric Balancing technology, is a method of analyzing and quantifying production forecasts using significantly less time and data than standard flow simulation technologies.

Workshop participants will develop production forecasts and development scenarios. They will locate future injector and producer wells to determine the most efficient and economical Waterflood patterns through multiple runs of the ReservoirGrail program. By being able to easily map, and view, the flow of fluids in the reservoir, the participants will determine the timing of injector conversions, effects of varying injection rates, and the timing and amount of oil production. An award will be given to the participant with the best rate of return, based on some example economic assumptions.

SPEAKERS

Rod Hall
GrailQuest Corporation
Vice President Sales & Marketing, Phone: (281) 558-7999
Email: rod@grailquestcorp.com

WHO SHOULD ATTEND

Geologists, engineers, and operators with fields they are either currently or planning to Waterflood, as well as those interested in Waterflood design.

The field selected for the workshop is typical of many mature properties consisting of reservoirs produced in the latter half of the 20th century. The Caddo Reservoir Field, located in Montague County, Texas, was discovered in 1946. The field was developed by the early 1950’s with a total of 62 wells producing a field cumulative of 9 mmbo primary production by the end of 1967, when the last well was plugged and abandoned. Production was from the fluvial deltaic deposits of the Caddo formation that are draped over a gentle anticline.

Similar fields in the trend have had successful Waterflood programs in recent years, leading operators to look for available targets to duplicate the success. Most of the fields that were still actively producing have been enhanced with waterflood programs. Many old forgotten fields remain available for a new idea and technique. With continued high prices, these fields can be revived and enhanced. Where best to look for new oil? Why not try those areas that we know have oil.

SCHEDULE:

Sign-in and course material distribution will begin at 8:00 a.m. on Tuesday, August 29, 2006. The workshop will begin at 9:00 a.m. and will continue until 5:00 p.m. There will be a break for lunch at noon, and morning and afternoon coffee breaks.

VISIT US ON THE WEB

<http://karl.nrcce.wvu.edu>

<http://www.pttc.org>

ADDITIONAL INFORMATION

For additional information, contact:

Rod Hall
281-558-7999
rod@grailquestcorp.com

Douglas G. Patchen
304-293-2867, x5443
Doug.Patchen@mail.wvu.edu

Or,

Mark Hoffman
304-293-2867, x5446
MAHoffman@mail.wvu.edu

Registration Form

Name: _____

Company: _____

Address: _____

City: _____

State: _____ Zip Code: _____

Phone: _____

Fax: _____

Email: _____

The registration fee for the workshop is \$75. This cost covers the entire workshop, continental breakfast, a.m. & p.m. breaks and lunch. Please make checks payable to: **West Virginia University Research Corporation (WVURC)** and return with this registration form by August 22nd to: **Mark Hoffman**
NRCCE/WVU
P.O. Box 6064; Evansdale Drive
Morgantown, WV 26506-6064

*Designing and Forecasting
Waterfloods using ReservoirGrail*

August 29, 2006

REFUND POLICY

Registrants who cancel prior to August 22nd will receive a full refund. No refunds will be issued after August 22nd.