



Advanced Resources  
International, Inc.

# Advanced Resources International QUARTERLY UPDATE

Unconventional Resources • Enhanced Recovery • Carbon Sequestration

September 2008

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Advanced Resources International (ARI) is a professional services firm that provides geological, reservoir engineering, business and policy analysis and advice on a global basis related to unconventional gas resources, enhanced oil recovery and geologic carbon sequestration. Our quarterly update highlights current industry trends, ongoing and completed projects, recent publications, upcoming workshops and events, and company news. We encourage you to visit our website at [www.adv-res.com](http://www.adv-res.com) to learn more about our company history, research and technology activities, industry news and much more. You may also contact our offices listed at the bottom of this page for additional information.



## SACROC UNIT STUDY PUBLISHED BY SPE

The ARI study *Integrated Clustering/Geostatistical/Evolutionary Strategies Approach for 3D Reservoir Characterization and Assisted History-Matching in a Complex Carbonate Reservoir, SACROC Unit, Permian Basin* was recently published by The Society of Petroleum Engineers. The study contains results from a complete approach of clustering analysis techniques, geostatistical methods and evolutionary strategy technologies for the highly heterogeneous carbonate reservoir.  
[Complete Study](#)



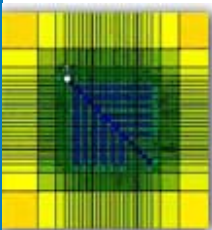
## NETL NEWS RELEASE - DOE PROJECT STARTS CO<sub>2</sub> SEQUESTRATION IN NEW MEXICO COALBED

The National Energy Technology Laboratory reported in August that the U.S. Department of Energy and the Southwest Regional Partnership recently began a 6-month demonstration to inject 35,000 tons of CO<sub>2</sub> in the San Juan Basin near Navajo City, NM. The demonstration will develop ways to maximize permanent storage of CO<sub>2</sub> through the carbon sequestration process.  
[Full article](#)



## The DURANGO HERALD - GEOLOGY PRIME FOR CO<sub>2</sub> PROJECT

The Durango Herald published an article in June on the Pump Canyon Project where ARI is the technical lead in testing carbon sequestration for commercial-scale use in the San Juan Basin. The article includes a project description from ARI and a list of all the companies involved.  
[Full article](#)



## UNCONVENTIONAL GAS RESOURCES TO RESERVES – A PREDICTIVE APPROACH

ARI's Scott Reeves gave a presentation at the *Rocky Mountain Geology & Energy Resources Conference* in July which discussed estimating potential hydrocarbon recoveries from greenfield unconventional gas plays. Predictions of potential gas plays and their variability are given based on an analytical approach using limited geologic and reservoir information for each play combined with sound engineering principles.  
[Presentation](#)



## BUMGARDNER PROMOTED TO PROJECT MANAGER

ARI is pleased to announce the promotion of Stephen Bumgardner to Project Manager. Stephen is a petroleum engineer with over 20 years of experience in the unconventional gas industry. He is responsible for the management and engineering of ARI's domestic and international projects in Alaska, Botswana, Chile, and India.  
[Stephen Bumgardner Bio](#)



## UPCOMING EVENTS

ATCE 2008 – SPE Annual Technical Conference & Exhibition  
**September 21-24, 2008** - Denver, CO  
[Register](#)

2008 SPE Eastern Regional/AAPG Eastern Section Joint Meeting  
**October 11-15, 2008** - The Hilton Pittsburgh and Towers, Pittsburgh, PA  
[Register](#)

9th International Conference on Greenhouse Gas Technologies (GHGT-9)  
**November 16-20, 2008** - Omni Shoreham Hotel, Washington D.C.  
[Register](#)

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