

WE WORK



WORLDWIDE PETROLEUM EXPLORATION AND ENGINEERING SERVICES



Advanced Resources International

## **Advanced Resources International**

is a leading independent consulting firm providing technical and strategic services to the international energy industry.

Since 1991, we have added value to hundreds of oil and gas exploration and production projects in the U.S. and in over 30 countries, from Australia to Zimbabwe.

Our integrated approach combines geology and geophysics, petroleum engineering, and strategic and economic analysis.

As well as conventional oil & gas reservoirs, Advanced Resources specializes in emerging “unconventional” resources, such as coalbed methane, tight gas, gas shale, and enhanced oil recovery.

Our environmental capabilities span capturing greenhouse gas emissions at coal mines, sequestering CO<sub>2</sub> in geologic strata, produced water management, and managing land access and development restrictions.

Helping our clients advance their competitive position and manage their resource endowment is our foremost concern.

We provide assistance to:

- ◆ Major and independent oil & gas firms
- ◆ Coal and power producers
- ◆ Government agencies and ministries
- ◆ R&D consortia
- ◆ Financial and legal firms



HERE  
there is VALUE

## EXPLORATION SERVICES

### *Generating Value*

Locating, high-grading, and testing new sources of oil & gas — particularly “unconventional” coalbed methane, tight sands, gas shale, and other challenging reservoirs.

Advanced Resources provides integrated exploration services, from national or regional basin assessments to detailed prospect analysis. Our Clients gain advantage from our leads, data bases, and unparalleled understanding of unconventional resources. Our services include:

- ◆ Geology & geophysics to locate high-permeability “fairways”
- ◆ Basin evaluation for resource appraisal and high-grading
- ◆ Prospect definition and analysis
- ◆ Coring and testing strategies
- ◆ Training

A photograph of an oil well rig at night, illuminated by lights, with several large pipes in the foreground. The background is a dark blue gradient.

# HERE there is **A MISSION**

## **ENGINEERING SERVICES**

### ***A Guiding Mission***

Maximizing recovery efficiency via the application of advanced technologies. Getting the most from challenging but increasingly vital unconventional reservoirs.

Advanced Resources provides the full range of engineering services, from reservoir simulation for field evaluation and design, to production operations, well-site analysis and supervision, and training. Our services include:

- ◆ Advanced drilling, completion, and stimulation technologies for low-permeability formations
- ◆ Numerical simulation for accurate reservoir modeling, reserves, and field optimization
- ◆ Advanced COMET3 simulator, used by over 30 petroleum producers
- ◆ Enhanced oil recovery
- ◆ Feasibility studies and pilot project design/implementation
- ◆ Underground gas storage design & operation



HERE  
there is **A CHALLENGE**

## **E&P ENVIRONMENTAL SERVICES**

### ***Meeting the Challenge***

Develop oil and gas resources while protecting the environment — and enhancing your bottom line.

Advanced Resources leads in applying new solutions for mitigating greenhouse gases and other environmental issues, while profitably developing oil and gas resources. Our areas of expertise include coal mine methane capture, the emerging field of CO<sub>2</sub> sequestration, and advanced GIS systems for land access management.

- ◆ Geologic CO<sub>2</sub> sequestration in oil fields (EOR), coal seams (ECBM), as well as other formations
- ◆ Coal mine methane capture for profitable GHG reduction with CBM production
- ◆ Strategic planning to minimize environmental exposure (lease stipulations and conditions of approval)
- ◆ Produced water management



# HERE there is OPPORTUNITY

## STRATEGIC SERVICES

### *Create Opportunity*

What are the strategic trends impacting your business? How will you recognize and profit from them?

Headquartered near Washington, D.C., and with regional offices in Houston and Denver, Advanced Resources bases its strategic practice on a strong technical foundation. Our experts help shape business and R&D strategies, offer policy makers options for strengthening the industry, and provide analysis and expert testimony impacting oil & gas regulation.

- ◆ E&P business unit support
- ◆ Corporate benchmarking
- ◆ International oil & gas management and regulation support
- ◆ Policy options for maximizing oil & gas development
- ◆ Expert witness testimony
- ◆ Research & development investment planning

If you are looking for  
a resourceful firm  
to add value to  
your next project,  
then start

**HERE**



**Advanced Resources International**

# HERE you can FIND US

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