

Coalbed Methane



NETHERLAND, SEWELL & ASSOCIATES, INC.



One of the **most respected** names
in independent reserves reporting



Preferred by companies
who need **reliable results**



Quality at
a **competitive price**



Expertise in
Coalbed Methane

Coalbed Methane (CBM) ranks as one of the world's largest sources of natural gas. CBM now represents almost 10% of domestic natural gas production in the United States and is of increasing importance in other countries such as Australia and Canada. Even so, only a small portion of the world's CBM is currently being exploited. Developing these assets efficiently requires the expertise to make an accurate assessment of each property. The Netherland, Sewell & Associates, Inc. (NSAI) CBM team has that expertise. We have worked with most of the top CBM operators in almost every major producing coal gas basin in the world.

In CBM evaluations it is imperative that you understand the relationship between the properties of the coal and the development strategy. Each year, NSAI personnel work thousands of man-hours evaluating CBM properties worldwide.

CBM Experts

Diana Ball – Reservoir Engineer – Dallas

John Hattner – Geoscientist – Dallas

David Nice – Geoscientist – Houston

Nathan Shahan – Reservoir Engineer – Dallas

Danny Simmons – Reservoir Engineer – Houston

Dan Paul Smith – Reservoir Engineer – Dallas



Selected CBM Experience

More experience in more areas of the world than any other petroleum consulting firm.

North America

Appalachian Basin	Great Plains Coal Field
Arkoma Basin	Illinois Basin
Black Warrior Basin	Piceance Basin
Cahaba Basin	Powder River Basin
Cherokee Basin	Raton Basin
Cook Inlet Basin	Sabinas Basin
Coosa Basin	San Juan Basin
Greater Green River	Uinta Basin

Australia

Bowen Basin	Gloucester Basin
Cooper Basin	Gunnedah Basin
Galilee Basin	Surat Basin

Other Areas

Botswana	India
China	Israel
Czech Republic	Mexico
Great Britain	

Methodology

Our scope of work generally includes:

- Geologic assessment of the coal seams' structure, thickness, and quality
- Geologic model construction
- Performance assessments of historical production
- Reservoir simulation
- CBM well drilling and completion design
- Interpretation of Langmuir isotherm test
- Comparison of performance to volumetric analysis
- Independent reserve and resource assessments, including economics
- Planning, design, implementation, and appraisal of development programs
- CBM training classes and seminars

Because of our commitment to independent evaluations, the NSAI name is highly respected by both the energy and financial communities. By applying sound judgment and methodology, our CBM team is able to assess the project requirements, interpret the data, and provide top quality results.

Our clients get the NSAI name and our team of experts. We think they get the very best.

Selected CBM Clients

Chosen by more companies to evaluate more CBM properties than any other petroleum consulting firm.

Australian Gas Light Company
Alberta Energy Corporation
Anadarko Petroleum Corporation
Anglo Coal (Moura Mines Mgt.) Pty Limited
Arrow Energy N.L.
BHP Billiton
Bill Barrett Corporation
Burlington
ConocoPhillips
CONSOL Energy
Constellation Energy Partners
Double Eagle Petroleum Company
Eastern Star Gas Limited
EnCana Corporation
Far East Energy Corporation
Gastar Exploration Ltd.
Great Eastern Energy Corporation Ltd.
Green Dragon Gas
Greka China, Ltd.
Icon Energy Limited
J.M. Huber Corporation
Kumba Resources Limited
Lance Oil and Gas Company
Molopo Australia, N. L.
Marathon Oil Company
Pangaea Oil & Gas Pty. Ltd.
Pemex Exploración y Producción
Pine Mountain Oil & Gas Inc.
Pioneer Natural Resources USA, Inc.
Pinnacle Gas Resources, Inc.
Planet Gas Limited
QGC – A BG Group business
Quicksilver Resources
Reliance Resources Inc.
Sacramento Municipal Utility District
Santos Ltd
Shell Oil Company
St. Mary Land & Exploration Company
Sydney Gas Limited
The Exploration Company
Trident Exploration Corp.
Williams Production RMT Company



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