Coalbed Methane
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. While CBM has the potential to be a highly valuable asset in many locations throughout the world, currently only Australia, China, and the United States are conducting significant and focused exploitation of these resources. Efficiently developing these resources requires the expertise to make accurate assessments 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 CBM producing 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  
**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  Gunnedah Basin
Cooper Basin  Surat Basin
Galilee Basin  Sydney Basin
Gloucester Basin

Other Areas
Belgium  India
Botswana  Indonesia
China  Israel
Colombia  Mexico
Czech Republic  Poland
Germany  South Africa
Great Britain  Vietnam

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
- Interpretation of Langmuir isotherm test
- Comparison of performance to volumetric analysis
- Independent reserves and resources 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.

Alberta Energy Corporation
Anadarko Petroleum Corporation
Anglo Coal Pty Ltd
Arrow Energy N.L.
Asian American Gas, Inc.
Australia Pacific LNG
Australian Gas Light Company
Battalion Resources, LLC
BHP Billiton
Bill Barrett Corporation
Blue Energy Limited
Carbon Creek Energy
Comet Ridge Limited
ConocoPhillips
CONSOL Energy
Constellation Energy Partners
Dart Energy Ltd
Double Eagle Petroleum Company
Eastern Star Gas Limited
EnCana Corporation
Ephindo Energy Private Limited
Exxaro (Kumba) Resources
Far East Energy Corporation
Great Eastern Energy Corporation Ltd.
Greka China Ltd
Icon Energy Limited
Marathon Oil Company
Origin Energy Ltd
Pangaea Resources Pty Ltd
Pemex Exploración y Producción
Pioneer Natural Resources USA, Inc.
QGC – A BG Group business
Quicksilver Resources
Reliance Resources Inc.
Santos Ltd
Senex Energy Limited
Shell Oil Company
St. Mary Land & Exploration Company
Summit Gas Resources, Inc.
Sydney Gas Limited
TLOU Energy
Trident Exploration Corp.
WPX Energy, Inc.
Yates Petroleum Corporation