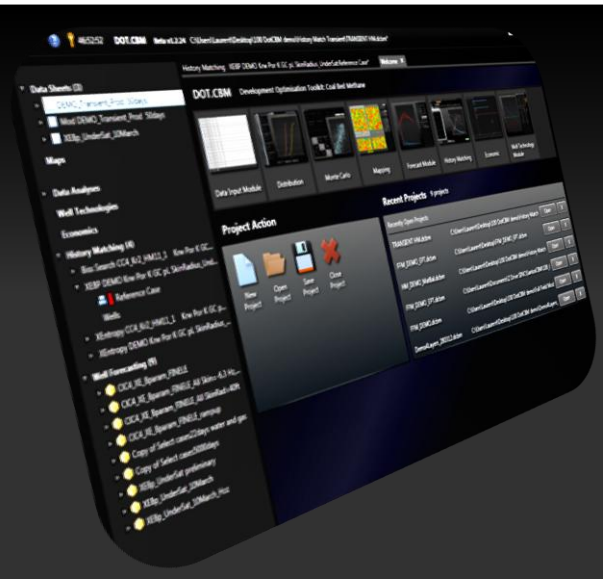
DOT.CBM™

Development Optimization Toolkit for CBM



- Data Analysis for Reservoir Characterisation
- Property Mapping and Visualisation
- Production Forecasting
- History Matching
- Costs and Economics
- Development Planning Optimisation

A multi-disciplinary reservoir characterisation, static and dynamic modelling tool, designed to support field development planning efforts for Coalbed Methane resources

Provides a structured environment for data analysis, property modelling and forecasting of production under uncertainty

Pre-programmed and user-defined workflows allow for an auditable relationship between reservoir property ranges, spatial trends and type curve outcomes

Allows for a fast turn-around of results using published best practices in field development planning

All features are wrapped in a user-friendly interface allowing for easy navigation through all modules, easy export of outputs, integration with other applications and advanced 2D and 3D graphics

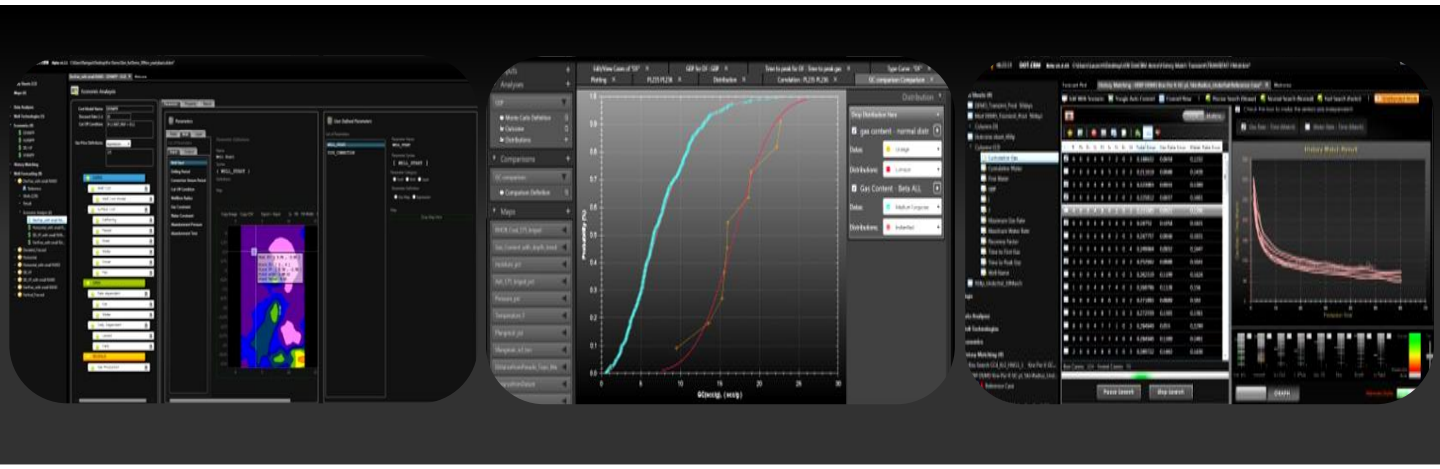
Created by LEAP Energy

www.dotcbm.com

www.leap-energy.com

Efficient and Powerful Integration

Integrating study work and decisions within an intuitive framework



PRODUCTION FORECASTING

- Generate rapid full-field, static model based forecasts
- Advanced material balance production forecasting, multi-well and multi-layer
- Fast numerical scheme for transient production behaviour
- Perform uncertainty and variability assessments
- Forecast alternative well & completion concepts, with a comprehensive constraints handling capability

FIELD DEVELOPMENT PLANNING OPTIMISATION

- Forecast alternative drilling schedule, well technology and spacing concepts
- Automated type curve generation
- Identify optimum drilling and completion concepts
- Support decision under uncertainty

ECONOMIC EVALUATION

- Perform field and sector economic evaluation using a variety of pre-defined and user-defined indicators
- Detailed and scalable complexity of cost templates.
- Development concept ranking for Field Development Planning decisions

WELL TECHNOLOGY SELECTION

- Rapidly create well plans using an automated well trajectory building tool
- Automated Computation of well technology costs across the field

DATA ANALYSIS

- Develop property models using powerful data fitting functionalities
- Perform advanced statistical data analysis, correlations and analogue benchmarking
- Generate stochastic simulation for probabilistic volume assessment

REPORTING

- Easy export of data, text, figures, tables and maps in most recognized formats
- Drag'n'drop functionality for copying data and graphics to MS Office applications

MAPPING and VISUALISATION

- Visualise, edit and generate maps of reservoir properties
- Perform upscaling and downscaling
- Automated visualisation of reservoir simulation outcomes for high-grading analysis
- GIS functionality and map overlay capability

PRODUCTION HISTORY MATCHING

- Match pilot well production with multiple solutions
- Generate matching parameter ranges for reservoir characterisation input
- Finite-Elements numerical and Material-balance
- Multiple global search algorithm including evolutionary stochastic methods

For more information or to arrange for a demonstration of DOT.CBM functionalities in your office please contact us at dot.cbm@leap-energy.com

www.dotcbm.com

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