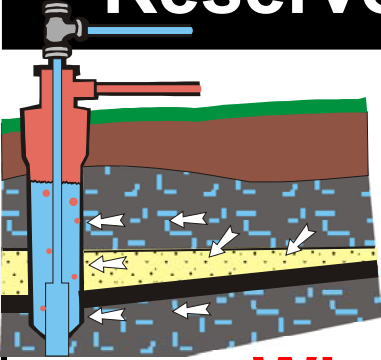


# EXODUS - Coal Bed Methane Reservoir Modeling (CBM & ECBM)



*Accurate, flexible calculations to help you make informed decisions, optimize budgets and maximize your profits.*

## Why YOU should use EXODUS:

- ✓ 3D, 3-phase, multi-component reservoir simulator
- ✓ Existing installed base - proven over last 12+ years to be numerically stable and accurate.
- ✓ History matching of measured data a routine procedure.
- ✓ Built-in NPV economic comparison capability.
  
- ✓ User friendly pre & post processors for ease of data entry and results analysis.
  
- ✓ Flexible reservoir description.
  - Multilayers of sand, shale, coal sequences.
  - Faults, pinchouts.
  - Aquifers.
  - Local grid refinement.
  
- ✓ Grid systems – handles large number of cells.
  - Single porosity (fast gas diffusion).
  - Dual porosity / permeability (slow gas diffusion). (matrix and cleats independently modeled with user controlled inter-porosity flow).
  - Hydraulic fracture of individual wells.
  
- ✓ Enhanced Langmuir Isotherm for multiple component adsorption (Methane, CO<sub>2</sub>, N<sub>2</sub>)
- ✓ Pressure dependent porosity and permeability handling to accommodate coal shrinkage effects.
- ✓ Many well modeling options (vertical, deviated, horizontal).
- ✓ Surface network gas gathering system with compressors etc.
  
- ✓ Quick and simple or detailed and rigorous – the choice is **YOURS!**

**We let  
YOU  
get it right.**

**Consulting  
services  
available.**

**T.T.& Associates Inc. c/o PetroStudies Consultants Inc.**

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