

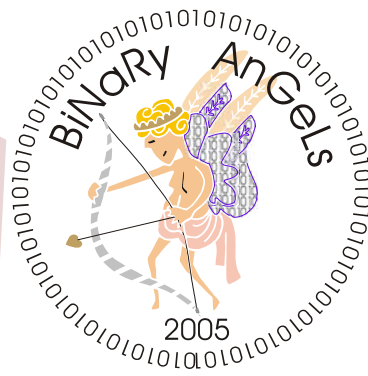
**World of Petroleum Software**

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# **World of Petroleum**

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**Bringing the world of petroleum software to you**



### **What you will find inside**

- *Complete list of software available*
- *Brief description of software*
- *Price list as of to date*
- *.... And more!!*

**Information listed are as of 9 February 2006**

## About Us

World of Petroleum Software is a periodically published catalogue of software and services offered by BiNaRy AnGeLs team, an independent Reverse Engineering team of Petroleum Engineers.

Understanding the great gap between software offered and the needs in the petroleum society, BiNaRy AnGeLs team has decided to fill the gap by offering up to date software in the field of petroleum engineering with the least possible expenses, making it easy for every petroleum engineer and petroleum company to gain access to their required software and evaluating their capabilities, to see whether this software can fulfill their needs.

Our mission is to make it even easier for the software developers to sell their products to those who really need it, by letting users gain access to the full version software, which is protected with best possible security schemes and evaluating them, then buying the software from developer.



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## Petroleum Engineering Software

Software presented in the following list, can be mainly of petroleum engineers and oil industry interest.

### GeoQuest Schlumberger Eclipse

The most powerful reservoir simulation software ever, highly accepted worldwide offering a completely comprehensive tool for every reservoir engineer. This software which is believed to be a must have, comes with a complete set of Reservoir Engineering Tools. ECLIPSE reservoir simulation software offers multiple choices of robust numerical simulation techniques for accurate and fast solutions for all kinds of reservoirs and all degrees of complexity-structure, geology, fluids and development scheme.

- Black Oil Reservoir Simulator      VER.# 2005:
- Compositional Reservoir Simulator      VER.# 2004A\_1:
- PVT Studies Simulator      VER.# 2004A:
- SCAL Analysis      VER.# 2003:
- Vertical Flow Performance      VER.# 2002:
- Well Test Analysis      ORDER CODE:
- FloViz      SLB ECLIPSE + VER.#
- SimOpt
- Parallel Simulation
- Near Wellbore Modeling
- And ...

### Roxar Irap RMS

Also known as RMS, this software is one of the most popular reservoir geology modeling software ever, that can be thought of as a good companion for Schlumberger Eclipse. It provides a range of integrated 2D and 3D tools that allow users to quickly interpret data in a single easy-to-use environment. Tight integration between geological interpretation mapping and reservoir modeling allow interpretations and the reservoir models to be updated quickly as new data is acquired.

VER.# 7.3:  
 VER.# 7.2.1  
 VER.# 7.1:  
 VER.# 6.5:  
 ORDER CODE:  
 RMS + VER.#

FOR PRICING, PLEASE SEND AN EMAIL WITH ORDER CODE IN SUBJECT TO:  
 BINARY.ANGELS@GMAIL.COM.

## Computer Modeling Group

Also known as CMG, this package is one of the bests in dealing with conventional reservoirs and is believed to be the best simulator for thermal recovery. It has also proved to be one of the bests for simulation of naturally fractured reservoirs. Unlike others, this package takes benefit from a very friendly environment which makes it possible for newbie's to learn simulation with ease. This package includes:

- Compositional Reservoir Modeling
- Black Oil Reservoir Modeling                   VER.# 2005:
- PVT studies    VER.# 2004.12.12:
- Thermal Reservoir Modeling                    VER.# 2004.7:
- Fractured Reservoir Modeling with            VER.# 2002.10:
- Dual Porosity, Dual Permeability,            ORDER CODE:
- MINC and Sub domain Models                CMG + VER.#

## Schlumberger Petrel

Petrel is an integrated Windows-PC software solution that enables you to solve all your subsurface challenges - from seismic interpretation through reservoir simulation. It can easily integrate new data, rapidly updating earth models and lowering your overall E&P risk.

### Benefits:

- All tools from seismic interpretation to simulation are integrated in one application, eliminating import and export problems and promoting collaboration.
- Strong visualization capabilities give you instant QC of all data in 3D.
- Models can be updated instantly when new data arrives to make quicker and more reliable decisions.
- All results can be copy-pasted to any Windows application making it quick and easy to report and present your latest results.
- Petrel has a familiar Windows user interface, VER.# 2004:  
undo/redo functionality, and stores ORDER CODE:  
modeling history, making it easy to use and PETREL+VER.#  
learn.

### Petrel Modules:

- Geophysics

## OLGA2000

OLGA2000 is the market-leading simulator for transient multiphase flow of oil, water and gas in wells and pipelines with process equipment. With the increased focus on flow assurance; OLGA is being widely used by the industry to assure the production and secure the investments. OLGA is used for feasibility studies, design, operational analyses, on-line simulators, and modifications of facilities, procedures and controllers.

VER.# 4.10:  
VER.# 4.00:  
ORDER CODE:  
OLGA+VER.#

## Petroleum Experts

Petroleum Experts have developed the Integrated Production Modeling toolkit (*IPM*) which models the complete production system from the reservoir to the surface network. Integrating the tools of *GAP, PROSPER, MBAL, REVEAL* and *PVTP* to operate seamlessly, the engineer is able to design complex field models. The Reservoir, Wells and Complete Surface Systems model, having been matched for production history, will accurately optimize the entire network and run predictions. The *IPM* suite is the leading Integrated Production Optimizations toolkit in the industry. It gives fast reliable results and it is the industry standard with major operators worldwide. There are in excess of 160 oil and gas operators and service companies using the tools worldwide.

PRICE:  
VER.# :  
ORDER CODE:  
PET-EXP+VER.#

## Fekete F.A.S.T.

Fekete has presented a complete set of tools that enables engineers to do detailed well testing analysis, rate time analysis, material balance analysis, well design and many more. Fekete software are:

- Well Test
- Virtue Well
- Rate Time Analysis
- Material Balance Analysis
- Poolsim
- Field Notes & viewer
- Coal Bed Methane
- Piper
- Validata

VER.# 2005:  
ORDER CODE:  
FEKETE+VER.#

## Hampson Russel

Also known as HR, this package bring a hand full of exploration and petrophysical tools to the engineers' office, making interpretation of very sophisticated logs piece of cake. This package can do everything from prediction of water content in reservoir rocks to predicting reservoir properties by seismic attributes and well log data. Its modules are:

- AVO
- ELOG
- EMERGE
- GLI3D
- ISMAP
- PROD4D
- PROMC
- And STRATA

VER.# 7.1 :  
ORDER CODE:  
HR + VER.#

## Schlumberger PIPESIM

PIPESIM production system analysis software provides steady-state, multiphase flow simulation for oil and gas production systems. Individual PIPESIM modules are used for a wide range of analyses including: well modeling, nodal analysis, artificial lift optimization, pipeline and process facilities modeling and field planning. A major feature of PIPESIM is the system integration and openness that allows for the development of a 'Total Production System Model' from reservoir to processing facility.

VER.2003# :  
ORDER CODE:  
PIPESYM+VER.#

## Omni Workshop

OMNI Workshop is the most up-to-date collection of 3D seismic survey design modules in the industry. Automatic generation of an open database allows data access through all stages of planning, execution and analysis. Its task wizards enable full scale plotting and make OMNI the only survey design software you'll ever need in the office and in the field. the development of a 'Total Production System Model' from reservoir to processing facility.

VER.# 4.00:  
ORDER CODE:  
OMNI+VER.#

## VISTA

VISTA is the fastest selling 3D field processing system in the world! Having the following modules and capabilities has made it number one in 3D field processors. VWTAPE ,FIELD TEST, FIELD 2D/3D, POST STACK 2D/3D , 2D PROCESSING, 3D PROCESSING, VSP and PROGRAMMER.

VER.# 5.1:  
ORDER CODE:  
VISTA + VER.#

## GeoLog

Geolog is believed to be the industries leading well data processing and analysis tool. It is used by many oil companies world wide for petrophysical analysis. Gold license of GeoLog has the following modules enabled;

- Geolog Pro
- Project
- UtilityPack
- StatPack
- PlotPack
- Connect (Basic)
- Section
- Artist
- Determin
- Loglan
- Multimin
- Synseis

VER.# :  
ORDER CODE:  
GEOLOG + VER.#

## Schlumberger Interactive Petrophysics

Interactive Petrophysics is a PC-based software application for reservoir property analysis and summation. It is ideal for both the geologist wanting to quality check log data, and the experienced petrophysicist carrying out multizone, multiwell petrophysical field analysis. The program uses easily understood deterministic & probabilistic models to calculate porosity, water saturation, shale volumes and other properties within user-defined zones.

### Benefits:

- Fully interactive cutoffs-instantaneous updates to interpretation models, plots and report screens without using a keyboard
- Summation reports are updated with each step of the analysis
- Rapidly quantify uncertainties with the only PC log analysis package using Monte Carlo simulation
- Reduce your complete log analysis to minutes, instead of hours
- Portability allows you to disconnect from your corporate database and work offline

VER.# 3.1 :  
 VER.# 3.0 :  
 ORDER CODE:  
 IP + VER.#

## Rockware Rockworks

RockWorks has long been the standard in the petroleum, environmental, geotechnical and mining industry for subsurface data visualization because of popular tools such as maps, logs, cross sections, fence diagrams, solid models and volumetrics.

RockWorks gives you numerous options for analyzing your subsurface data, and accepts many different data types, such as stratigraphy, lithology, downhole data, fracture data and hydrology and aquifer data.

VER.#2005:  
 ORDER CODE:  
 ROCKWORKS + VER.#



## Rockware AqQa

Why use Excel, when you can use AqQA?

Still storing your water analyses in Excel? AqQA was created with water engineers and aqueous geochemists in mind- or for that matter, anyone who keeps water chemistry data in a spreadsheet. With the AqQA spreadsheet, you can:

- Paste data directly from Excel
- Convert units with a mouse click -- no more keying in mole weights!
- Use common spreadsheet tools such as copy, paste, transpose, sort, and many others...
- Compare replicate analyses and check standards
- Mix samples
- Flag exceedances of regulatory limits
- Check for internal consistency against AWWA standards
- Calculate fluid properties such as water type, TDS, hardness, conductivity and carbonate speciation
- Calculate calcite saturation and CO<sub>2</sub> fugacity
- Quickly create Piper, Stiff, Ternary, Durov, and 7 other plot types

VER.#2005:  
ORDER CODE:  
AQQA + VER.#

## Rockware LogPlot

LogPlot has been used by geoscientists since 1983 to display their geotechnical, environmental, geophysical, mud/gas, and mining data as a graphic boring log. LogPlot offers almost unlimited flexibility for log layout via its easy-to-use, built-in Log Designer. With a WYSIWYG, point-and-click interface, LogPlot's Log Designer makes it easy to customize logs for different clients and projects. Field data can be entered into LogPlot's Data Editor using the keyboard, copy/paste, data collection, and/or import tools (LAS, RockWorks, Excel, ASCII, DBF). Multiple libraries of soil and rock types are included with LogPlot, and you can easily customize them to suit your company's needs. Compile the data in to the design at any vertical scale for single-page, multi-page, or continuous logs. Distribute the free LogView program with your logs so your clients can view and print your LogPlot logs. Or, create HTML log pages or JPG, BMP, TIFF, PNG, WMF and EMF images.

PRICE:  
VER.#2005:  
VER.#2003:  
ORDER CODE:  
LOGPLOT + VER.#

## EPS

EPS has presented a complete set of tools that enables engineers to do detailed well testing analysis, rate time analysis, material balance analysis, well design and many more. EPS software are:

- **PansySystem** : PanSystem is the most widely recognized EPS product. It has been used for well test interpretation by many engineers around the world since its original launch in 1985
- **PanMesh** : PanMesh is an add-on to PanSystem, EPS's market leading well test analysis software. PanMesh uses finite element numerical modeling to simulate well tests involving typical modern "real world" complexity.
- **WellFlo** : For petroleum engineers designing completions, forecasting performance, diagnosing well problems or optimizing production from existing installations, WellFlo brings a new level of sophistication, speed and accuracy.
- **Dynalift** : Dynalift is the first commercially available dynamic gas lift simulation software. Real production gains can be achieved by considering the application of this technology and it represents a major step forward in production optimization technology.
- **MatBal** : MatBal allows analysis, evaluation and prediction of the response of hydrocarbon reservoir systems using fundamental material balance principles.
 

VER.#2003:
ORDER CODE:
EPS + VER.#
- **VPC** : Vertical flow performance
 

VER.#2003:
ORDER CODE:
EPS + VER.#

## PVTsim

PVTsim is the fluid characterization software package used to generate fluid properties and phase equilibrium data for OLGA 2000. PVTsim is developed by Calsep, Denmark. On top of this, a number of special modules are available from Calsep. These modules will provide the following leading edge capabilities:

- PVT Simulation
  - Hydrate prediction
  - Wax prediction
  - Asphaltene prediction
  - Scale prediction
  - Multiflash functionality
- |                |
|----------------|
| VER.#13.3:     |
| ORDER CODE:    |
| PVTSIM + VER.# |

## NeuraLog

Rapid Geology: Data Capture, Integration, Analysis

Neuralog offers practical and intuitive solutions to the oil and gas industry. From scanning and digitizing, to organizing and analyzing your many data formats, Neuralog supports each step of your rapid interpretation with the complete NeuraPro package.

VER. #:  
ORDER CODE: NEURALOG

## Neura Well Tool

NeuraWellTool is the complete log access, correlation and markup tool. Digital and Raster logs can be accessed over the web or through your own file system. Annotation, correlation and graphical markups are easy to do

VER. #:  
ORDER CODE: NEURAWELLTOOL

## Neura Map

NeuraMap converts your paper maps into vectorized data for your GeoScience applications. Reproject to any mapping system. Auto-Digitize.

VER. #:  
ORDER CODE: NEURAMAP

## NeuraSection+ Rapid Geological Interpretation

Create a geologic framework with show logs, cross sections and maps. Use raster and digital logs in structural and stratigraphic views; produce complete montage presentations.

VER. #:  
ORDER CODE:  
NEURASECTION

## NeuraView

Rapidly display, edit, and print multiple raster-image and LAS files, which can be exceptionally large.

VER. #:  
ORDER CODE: NEURA VIEW

### Schlumberger Oil Field Management

Also known as OFM, is a must have tool for every oil field manager OFM puts all the necessary assessment and organizing tools for managers on their fingertip. OFM well and reservoir analysis software encompasses a group of modules that aid in the management of oil and gas fields throughout the E&P life cycle. OFM includes workflow-enabling tools such as an active base-map, plots, reports and decline curve analysis that enable you to focus on improving production. OFM offers the flexibility to integrate well, production and reservoir data via live connections to corporate and public databases. It delivers an efficient method to view, relate and analyze reservoir and production data in established engineering workflows.

VER.#2003:  
ORDER CODE:  
OFM + VER.#

### Economic evaluation and decline

#### Merak and Peep

Merak and Peep calculates project economics. Entering production data, prices, capital costs, and operating costs. Merak Peep will apply taxes and royalties needed for the fiscal regime and calculate the results. This information lets you forecast indicators such as Net Present Value (NPV), Rate of Return (ROR), and Before- and After Tax Cash Flow (BTCF and ATCF). M&P is capable of:

- Analyzing risk
- Analyzing sensitivity
- Forecasting production and estimating reserves
- Fiscal Model Library Customization

VER.#2004:1  
VER.#2003:  
ORDER CODE:  
PEEP + VER.#

### Drilling Software

#### Schlumberger GeoQuest Drilling Office

Drilling Office is licensed and supported by GeoQuest, the software division of Schlumberger Information Solutions (SIS). Drilling Office has many different modules that supervise a drilling project from start, to well placement, drilling operation, cementing, completion and ....

This software facilitates calculations by its predefined list of materials and additives. There are more than 30 different modules in this package.

VER.# 3.2:  
VER.# 3.1:  
ORDER CODE:  
DO. + VER.#

### Genesis Petroleum Studio

Genesis can be thought of as the sole competitive of Schlumberger Drilling Office. It is capable of designing the engineering aspects of drilling technology, as well as conducting economic analysis of the work. Genesis Analyzer gives the user the ability to handle drilling information gathered from the drilling rig, plus analyzing logs and much more. It is a must have for any drilling company.

VER.#5.03:  
ORDER CODE:  
GENESIS + VER.#

### Sub Pump

Producing Systems Group SubPUMP is a graphical tool that helps you design and analyze electric submersible pumps. SubPUMP allows you to quickly evaluate different equipment configurations and design an efficient and economical installation. You can also analyze an existing installation.

VER.#8.00:  
ORDER CODE:  
SUBPUMP + VER.#

### PERFORM

Well PERFORMANCE Analysis , PERFORM is a graphical tool used for the analysis of single production/injection, oil/gas, onshore/offshore wells. Each of the well components is modeled using equations, correlations or mechanistic models to determine the pressure loss as a function of flow rate. The program is based on nodal analysis techniques that can increase production through an improved understanding of a reservoir's potential and an optimized well design and operation. PERFORM can be used for a lot of different tasks in both new and existing wells.

- Sizing of tubing and flowlines
- Sizing of coiled tubing and restrictions
- Designing offshore wells and flowlines
- Design of completions (perforations, gravel pack)
- Design of multilateral completions
- Modeling injection of water and gas
- Selection of separator pressure or compressor/pump horsepower

For existing wells, PERFORM can be used for:

- Improve well performance
- Evaluate future changes (water cut, GLR, declining reservoir pressure)
- Estimate unknown reservoir parameters
- Optimize gaslift operations
- Evaluate stimulation effectiveness
- Flow assurance (hydrates and scales)
- Estimate total skin factor
- Fluid heat transfer
- Information about PVT data, flow patterns, production per layers, etc.
- Answer 'what-if' questions related to workover results.

PRICE:  
VER.#5.11:  
ORDER CODE:  
PERFORM + VER.#

## Pricing Table

For further information, and prices please contact us at:

**[BINARY.ANGELS@GMAIL.COM](mailto:BINARY.ANGELS@GMAIL.COM)**

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### World of Petroleum Software

How to order?

Please send your orders / questions to:

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