

# Epic Delivers Superior Reservoir Management Tools

**When Epic Consulting Services Ltd. creates integrated reservoir modeling software, it's always with the end user in mind.**

Since 1993, when the Calgary-based reservoir engineering consulting firm first opened its doors, Epic's engineers and earth scientists have built a wealth of credibility in Canada's oilpatch by working hard to help clients increase their understanding of their reservoirs. A 100 per cent Canadian-owned company with more than 20 employees, Epic specializes in all aspects of reservoir engineering and simulation, and has completed more than 500 oil and gas industry projects in Canada, the U.S. and around the world, in countries as far-flung as Australia, the U.K., Ecuador, Argentina, Cuba, Bolivia, China, Iran, Libya, Syria, and Russia. A boutique firm whose team of professionals has written more than 40 technical papers, Epic takes on technically challenging projects that many companies don't have the internal resources or expertise to handle. "People come to us when they have tough problems they want a second opinion on," says Epic Vice President - Engineering, Shelin Chugh, M.Eng., P.Eng.

So when Epic entered the software field in 1999, the highly practical, easy-to-use software tools it developed were based on its wide-ranging consulting experience, and aimed at helping clients get the most out of their reservoirs. Epic's four Windows-based software solutions — ResSurveil™, ResWorks™, ResBalance™ and ResAssist™ — focus on improving workflows and on how the practical application of engineering principles can be transferred into a usable piece of software for the petroleum end user. A key consideration stresses Chugh, is the software's ability to get results out, and fast.

**ResSurveil — billed as 'Spyware for Engineers' — is a reservoir surveillance tool designed to help exploitation, reservoir and production engineers assess their resources and make operational and A&D decisions more quickly.**

Another major advantage: Epic's considerable experience as a reservoir engineering consulting firm, which puts it far ahead of most of the competition when it comes to software development. "When we build software, there is a definite logic as to why we're doing things," Chugh says. "We look at how it will be used, and what kind of results end users want to get. There is a definite usability aspect to our software." Anyone with basic petroleum knowledge, regardless of background, or how long they've been in the industry, can easily use this software.

And the marketplace seems to be agreeing. As just one example, a major oil and gas firm that had already purchased software from another company, ended up paying again to replace it with Epic's software instead. "That tells you how easy it is to use," Chugh says. "The other software crashed, people were not happy with the support, and it sat on the shelf. (In comparison), ours is intuitive and simple to use. And if there are support issues, there is a local vendor to contact."

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In 2005, when Epic formed a partnership with Alberta-based geoLOGIC systems Ltd., its software solutions became even better. "That gave us a chance to seamlessly import data and increase the usability and functionality of the software," Chugh says. "They recognized the value we would add to the whole equation; they realized we could bring a very different angle to it."

The integrated software changes the way that engineers, geologists and decision makers look

at and manage their reservoirs, bringing together the reservoir engineering and management expertise of three Epic software products — ResSurveil, ResBalance and ResWorks with geoLOGIC's data and the industry-leading data handling capability of geoSCOUT™, a fully integrated, Windows-based exploration system. The combined products provide users with greater depth and functionality, and more ways to assess information about their reservoir.

assess their resources and make operational and A&D decisions more quickly. ResSurveil provides practical surveillance and diagnostic techniques that allow users to evaluate wells, patterns and field performance, and take appropriate measures to improve recovery and manage data more efficiently. It provides a rapid overview of all aspects of the reservoir(s), including production, injection and pressure data, helping users better understand and manage reservoir performance. ResSurveil can help you make sense out of huge amounts of data, allowing you to handle data easily and evaluate it quickly and accurately.

Importing data into a software program can be time-consuming and tedious, but ResSurveil basically makes it an automatic process, says Epic Sales & Marketing Manager, Dereck Boileau. After you've chosen the wells or pools within geoSCOUT that you're interested in, all you need to do is click one button to launch and import the required data into ResSurveil. Since the data is loaded automatically, there is no

human involvement, and no chance for human error. "You can start to see a lot of things very, very quickly," Boileau says.

Epic's two other geoSCOUT-integrated products are:

ResBalance – an oil and gas material balance tool that helps users verify hydrocarbon in place, identify drive mechanisms and forecast primary recovery; and

ResWorks – a multi-functional toolbox of software for production and reservoir engineers that helps solve PVT, coning, inflow performance and relative permeability problems.

A fourth Epic software product is ResAssist for Windows ([www.res-assist.com](http://www.res-assist.com)), a tool for daily reservoir management that simplifies the creation and visualization of 3DSL output. ResAssist provides streamline technology for waterflood visualization, which helps users improve reservoir sweep and recovery, minimize water cycling, and quickly evaluate A&D properties.



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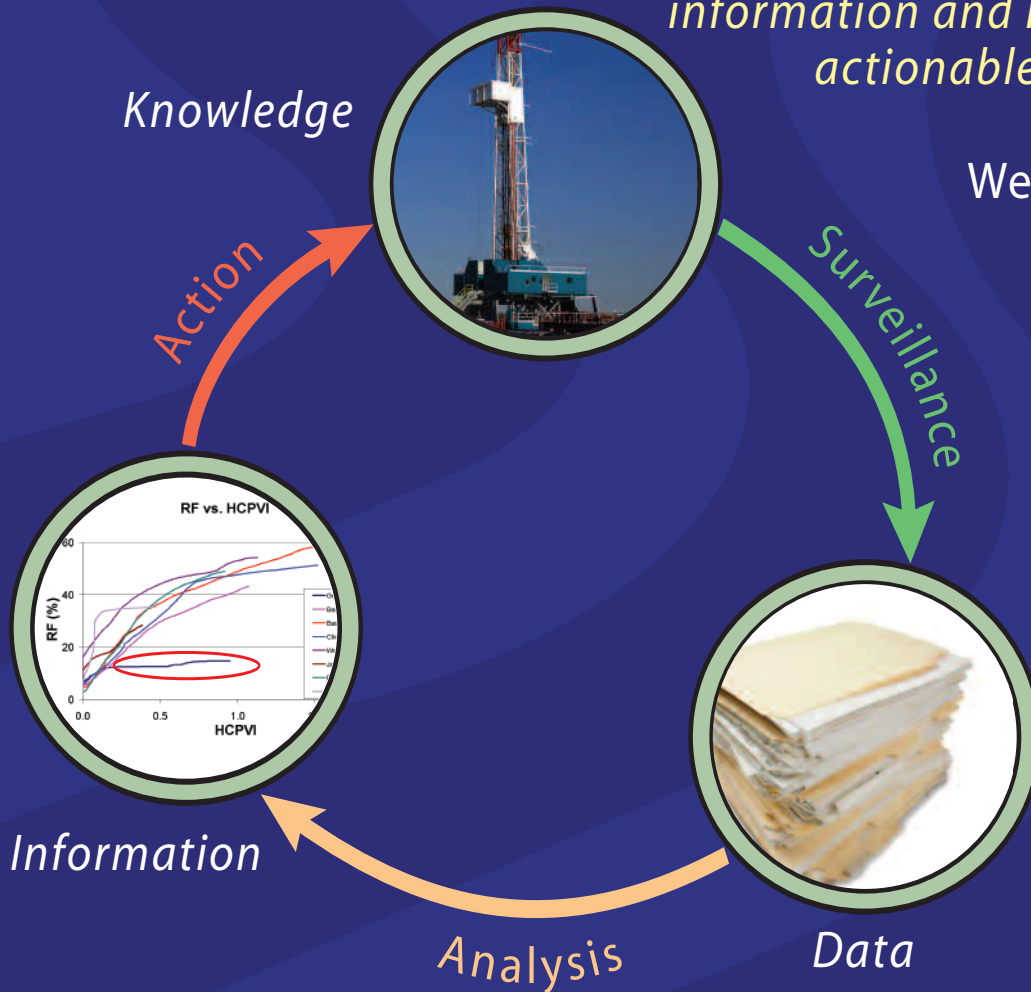


# ResSurveil™

For Windows™

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by the SIMPLE image below...

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when you try to convert data to  
information and information to  
actionable knowledge.*



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TO HELP OUR CLIENTS MAXIMIZE ASSET VALUE!”**

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