

PetroKazakhstan Kumkol Resources Pushes Production Efficiencies with Integrated Management System

Avocet platform drives efficiency, accelerates economic reporting, and improves forecasting

CHALLENGE

PKKR's production data management methods

- were manual and inconsistent, with no centralized database
- led to inaccurate production allocation calculations
- lacked standardization
- resulted in inefficient and time-consuming reporting.

SOLUTION

- Implement new production management system, based on the Avocet* platform
- Provide robust production allocations
- Migrate historical data, link with existing applications including Merak* planning, risk, and reserves software
- Provide a solution for inventory control and transportation logistics.

RESULTS

The new, integrated production management system enables PKKR to

- monitor oil movements in all wells and external facilities
- control and balance production inventories and sales volumes
- make faster and more accurate production decisions, based on real-time data
- standardize and accelerate reporting.

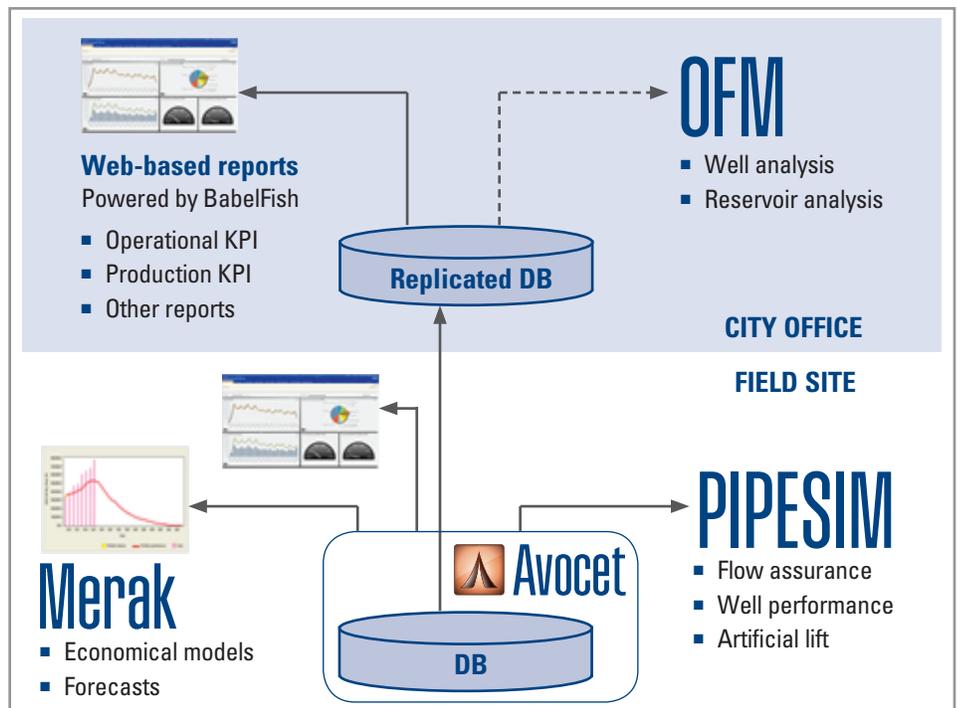
PetroKazakhstan Kumkol Resources (PKKR) is an E&P company operating in the South Turgai basin, Kazakhstan. PKKR's existing production data management methods were manual and inconsistent, with no centralized database. This led to inaccurate and inconsistent field management and back allocation calculations. With a lack of a standardized process, internal communication and collaboration was poor, and reporting was inefficient and time consuming.

Schlumberger proposed an integrated management system—based on the Avocet production operations software platform—designed to store, display, and allocate production volumes for PKKR's 600 producing wells.

Powerful production management

The Schlumberger team installed and configured key software, network, and data processes; it also set up the provision for production allocations. Historical data was migrated into the new system, and a link was established with existing applications. In addition to thorough testing before the solution went live, all PKKR users and IT personnel were trained on the new production management system.

Reporting capabilities were further improved by implementing a web-access solution, enabling management in the field and at the head office to access production and operations data. A tagging system was created to map data, enabling PKKR engineers to build their own reports from within a web browser.



Implemented solution schema (excluding OFM* link).



To improve collaboration and data flow between the marketing, project management, production, and field-development departments, Schlumberger helped PKKR integrate its new production management system with existing Merak planning, risk, and reserves software models. This allowed PKKR to use live, high-quality production data in its economic forecast modeling.

Improved decisions

The new production management system enables PKKR to monitor all oil movements from its wells and external facilities, and control and balance both production and sales volumes. The system is standardized, integrated, and reliable, driving faster and more accurate production decisions. Any PKKR user—from the field or office—can access the information required, resulting in informed operational decisions. Due to the automated reporting capabilities of the Avocet platform, the time required to generate reports for authorities and partners is now significantly reduced.

E-mail sisinfo@slb.com or contact your local Schlumberger representative to learn more.

“Our new PDMS has significantly improved our production activities—allowing us to make important decisions using qualified, actual data and produce accurate and standardized reports in a fraction of the time.”

Bakhytgul Yessirkepova
Technologic Group Team Leader
PKKR



www.slb.com/avocet