



“Putting Technology in Perspective”

CASE STUDY (Plug and Recorder):

In the fall of 2006 a Major Canadian Oil & Gas Operator approached Pure Energy Services Partnership to solve a need in their coal bed methane Strathmore project. The EUB (Energy conservation board) requires the Operator to run a 15 day downhole pressure recorder survey to monitor the reservoir. The requirement is to simultaneously record five zones in one well per section of land. For the Operator this meant 300+ wells a year had to be monitored or 3000 zones (each zone has a plug and two pressure recorders).

At the time the Operator had contracted the various stages out to different companies. One company ran the plugs and recorders, another company pulled them, and finally another company analyzed the data and submitted results to the Operator. The Operator was stuck with a data management nightmare. Invoices from multiple companies plus coordination of field personnel, processing and submission of reports to the EUB added up to an expensive operation with a huge management overhead.

The Operator approached Pure Energy as they have built a reputation for innovative business solutions together with their partner Inversion Technologies. Pure Energy and Inversion Technologies devised a hardware and software solution that would not only solve the data management issue but also simplify the operations and consolidate them into a single sourced solution.

The solution involved interfacing to the pressure recorder hardware for setup and programming, managing the field operations, management and download of the acquired data, asset tracking for battery usage and gauge calibrations, processing of the results, submittal to the EUB and invoicing to the Operator.

The entire application was programmed in **DART™** Inversion Technologies proprietary development environment in 2 months. Pure Energy was able to realize an entirely new business line and The Operator was able to save over 60% on there total costs saving millions of dollars. As the system is self contained and totally automated there is very little management overhead for Pure Energy or The Operator. To date over 2000 wells have been monitored.



Inversion Technologies



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