Case History
Surface Data Logging

LaserStrat® Service Helps Double Production
Customer: Devon Canada
Location: Northeast British Columbia, Canada

OPERATOR’S CHALLENGE – Devon Canada was drilling shallow horizontal gas wells and needed a cost-effective solution that could reliably geosteer in the limestone reservoir interval. To this end, Devon chose the LaserStrat® wellsite chemostratigraphy service, a joint Sperry Drilling/Chemostrat Ltd. offering.

HALLIBURTON’S SOLUTION – After drilling horizontally for approximately 400 meters, Devon crossed a fault of unknown displacement. With the location of the porosity zone uncertain, the operator considered stopping drilling at that total depth (TD) rather than risking an expensive sidetrack. However, the LaserStrat data clearly indicated that drilling upward five meters would allow re-entry into the porosity zone.

ECONOMIC VALUE CREATED – By following Sperry’s Chemosteering® analysis service recommendation, Devon more than doubled gas production on the third well from 1.2 mmcf/day to 2.5 mmcf/day. Arden Bashforth, the Devon Canada engineer who chose to use the LaserStrat service in the drilling program, said, “It proved its worth to me, particularly in the last well. We saved a lot of money.”