

Western Canada; Aphron Fluid Technology for Horizontal Re-entry Drilling of Under-pressured Cretaceous Sands

Well Information

Location:	Western Canada, Jenner Field
Spud/Completion:	Fall 2009
Formation:	Glauconite (under-pressured sand)
Formation Pressure:	Less than 385 kg/m ³ equivalent
Interval:	Horizontal section

The Objective

The operator wanted to expand development of the field by re-entering existing vertical wells and drilling horizontally legs in the under-pressured sand, eliminating differential sticking and fluid losses to the formation.

The Solution

The HiTech engineering group recommended the use of our Aphron ICS™ Fluid System. The operator evaluated a clay-free polymer mud system vs. HiTech's Aphron ICS™ Fluid System.

The Results

The operator chose the Aphron ICS™ Fluid System and is continuing development of the field. Multiple horizontal wells have been successfully drilled to TD utilizing and re-using, the fluid with no losses and no stuck pipe. We have been told that the water/oil cut has been reduced from 90/10 to 60/40 with our Aphron System which has further boosted the economics of the project.

Additional Information

If you would like to know more about the Aphron System and how it's performed on hundreds of wells for our customers, please call HiTech Fluid Systems Ltd.



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