



DFS

DOWNHOLE FLUID SOLUTIONS

DOWNHOLE FLUID SOLUTIONS Ltd

COMPANYPROFILE

Downhole Fluid Solutions Ltd was registered in May 2004 as a Scottish company set up to trade in the oil & gas drilling and recovery market by Angus Lewis-Smith who had spent 23 years in the associated drilling fluids business.

It was decided that DFS Ltd would supply specialised drilling fluid additives and technology to markets where specific needs had been identified.

DFS Ltd was immediately able to supply 2 product ranges, namely BORPLUG and THE SALT PILL, with the intention of providing a third, newly developed technology which was at the early R&D stage in mid 2004.

BORPLUG and THE SALT PILL both address the problem of loss of drilling fluid downhole during drilling, completion and 'workover' operations.

BORPLUG is a soft setting cement-like, cross-linking product that sets in induced and natural fractures where conventional products are ineffective. It can be use in both non-reservoir and reservoir situations as it is almost 100% acid removable.

THE SALT PILL is a technology/product for use only in reservoirs. It acts as a water soluble, temporary seal shutting off, or 'killing', the producing formation at the formation face thus preventing loss of drilling fluid or completion brine. It is used during well completions or 'workovers' where the well must be 'killed' with little or no adverse effect on the producing formations.



Development of the new product was started by DFS in June 2004 with the intended application as a 'WELLBORE STRENGTHENING MATERIAL or WSM. This requirement had been identified previously but confirmed in early 2004 by DFS when talking with a number of oilfield operating companies. By 2006 a working product had been developed and assistance sought with its development through Scottish Enterprise/Business Gateway.

It was named 'ROCKWELD', a trade mark applied for and issued. A UK patent was applied for and issued in February 2008. Currently DFS is working with 3 oil companies with the view to running field trials.

Since 2004 DFS Ltd has been successful in Nigeria, Angola and Iran and is now establishing markets in North Africa, Saudi Arabia, the U.A.E., India and the Far East.

In 2008 Assured Oilfield Services Ltd was appointed as sole representative and agent for Downhole Fluid Solutions in Abu Dhabi.

Angus Lewis-Smith
Managing Director
07.03.2010