Case Study

ESeal™ HP Patch Enables Recovery of Lost Reserves

Challenge

Williams Production Company, an operator in the northern Colorado, Piceance basin discovered parted 4-1/2 in. casing in their Federal RGU well. Williams initially used conventional methods (three cement squeezes and two expandable casing patches) in an effort to repair the damaged casing but were not successful. The challenge was to restore pressure integrity to the parted casing and maintain sufficient internal diameter to allow the 3.06” OD Magnum Oil Tools’ Long Range™ Composite Frac Plugs to be run through the repaired casing and set in the base casing’s larger ID below.

Added Value

The ESeal HP (high-performance) Patch enabled Williams to complete the well as planned and recover reserves they might not have been able to access. Most importantly, Williams views this installation as a tremendous success as they had a non-producing well that is now producing revenue.

► Completion date  July 2011
► Location      Rio Blanco Co., CO, USA
► Field / Basin Piceance Creek
► Well Type     Vertical Production
► Base Casing  4-1/2 in. (11.6 lb/ft.)
► Solution     3-1/2 in. ESeal HP Patch
► Depth        9,776 ft.
► Liner Length 30 ft.