

PAKISTAN

SAWAN AND MIANO GAS FIELDS

Lithology	Sandstone
Bottomhole temperature	360 degF [182 degC]
Bottomhole pressure	5,200 psi [36 MPa]
Measured depth	15,591 ft [4,752 m]
Lateral length	3,281 ft [1,000 m]
CT size	1.75 in

Background

OMV needed to conduct rigless multistage hydraulic fracturing for a total of 11 zones in two horizontal wells. However, high bottomhole static temperatures and extended laterals posed major challenges for plug-and-perf operations; the high temperatures limited the use of tractors, which were rated to only 350 degF [177 degC].

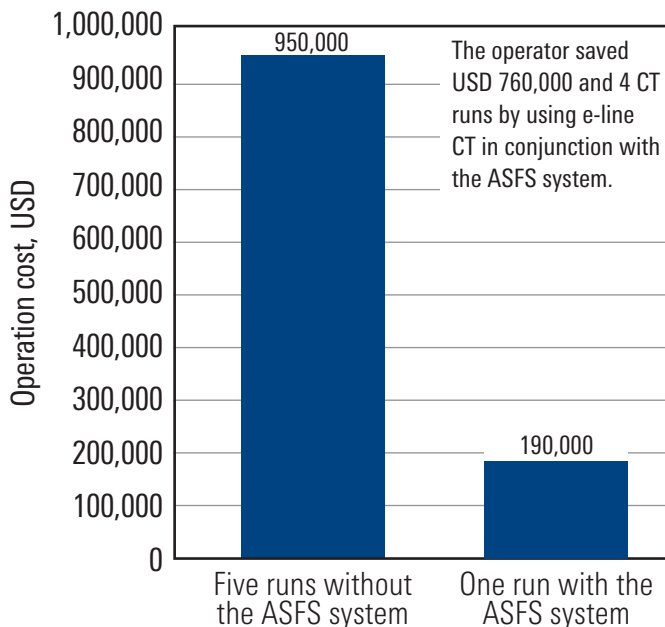
Technologies

- Copperhead\* drillable bridge and frac plug
- Vantage\* modular CT logging head system
- ASFS\* addressable-switch firing system

\*Mark of Schlumberger  
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# OMV Completes Two HPHT, Extended-Reach Exploratory Wells Using Integrated CT System in 14 Days

Vantage logging head system, ASFS firing system, and e-line coiled tubing overcome challenges, save operator USD 760,000 in additional runs



After running several simulations, Schlumberger recommended the Vantage system modified for high temperature (400 degF [204 degC]) by incorporating high-temperature seals throughout the tool. Using the Vantage system, ASFS system, and e-line coiled tubing, OMV was able to set plugs, pressure test the plugs, and perforate two different depths in the same run. OMV successfully executed 10 plug-and-perf runs in just 14 days without any NPT in the first well, saving USD 760,000 in additional runs in the second well.