



DeepQuest HT Service Helps Unlock Hot, Tight Gas Reservoir

DeepQuest® HT Stimulation Service Helps Unlock Hot, Tight Gas Reservoir

Saudi Arabia

Challenge

Saudi Aramco faced a high pressure and high temperature (HPHT) stimulation challenge in a new field, with a 375°F (191°C) reservoir temperature and more than 15,000 psi required for fracturing. Developing an innovative way to frac under these HPHT tight gas sandstone conditions was crucial to Saudi Aramco for stimulating and proving the reserves of the tight gas formations in northwestern Saudi Arabia.

Halliburton Solution

Halliburton worked with experts in Duncan, Oklahoma and Houston, Texas to develop the DeepQuest® HT fluid system to perform under these extreme conditions.

The Saudi Aramco job was performed flawlessly by pumping 16.4 barrels per minute at 21,000-psi bottomhole treating pressure. As specified in the design, Halliburton pumped 80,000 gallons of the gel system and placed more than 150,000 pounds of proppant.

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