



CASE HISTORY

Reservoir Optimization

TAM-J Multiple Set Straddle Assembly

SELECTIVE TESTING - STRESS MANAGEMENT

Perforations plugged, or skin damage detected on well test analysis, acid stimulation required

Location: California



CHALLENGES: A 1,400' proposed oil field development in Bakersfield, California required extensive measurement of stresses and fracture orientation in order to design effective proppant fracturing treatments for the development wells.

SOLUTION: A 6-3/16" OD multi set inflatable straddle assembly was run using 3-1/2" drill pipe as work string and inflated in the 7-7/8" open hole to straddle each interval of interest. The straddle tool was inflated and multi stage breakdowns achieved for definition of stress conditions in the area. The straddle tool was reset and 5 tests conducted. A borehole camera was run to determine the orientation of the fractures created during the testing.

RESULTS AND BENEFIT: Frac treatments designed from the data improved stimulation ratios more than 1.5:1 versus prior treatments.



TAM-J Multiple Set Inflatable
Straddle Assembly