



Weatherford®

REAL RESULTS

Shortstak® Production Logging System Avoids Unnecessary Workover for Operator

Objectives

- Identify channeling in an injection well. The well, believed to be the cause of poor pressure response in the oil reservoir, had two sets of perforations isolated by a packer; only the lower set was being used for injection. The operator suspected channeling there and/or a leaking packer seal.

Results

- A *Shortstak* system was run to identify the suspected problems, but no problems were found in the well.
- A temperature and radioactive survey indicated that no injection fluids were moving to the upper zone. Logs confirmed that the packer seals were holding and that no channel existed.
- A minor channel was indicated below the lower perforations, but the channel fluids were still contained within the zone of interest.

Value to Client

- The survey results allowed the operator to quickly and economically eliminate the injection well as the source of poor reservoir pressure response, saving the significant cost of an unnecessary workover.



The *Shortstak* production logging system used in this job consisted of a radioactive tracer, gamma ray, and temperature survey.

Location

Alberta, Canada

Field

Zama Lake

Well Type

Injection well in oil reservoir

Product/Service

Shortstak production logging system