

X-treme WindowMaster Whipstock System set in SAGD well delivered a desired low-side casing exit, saved 3 days rig time

CHALLENGES

- Steam-assisted Gravity Drainage (SAGD) application with high temperature and multiple high dogleg severity (DLS) areas to pass through to set depths. +13°/30m
- Set the whipstock in 12.12°/30m dogleg severity area
- Soft bitumen formation around the casing
- Tight spot 430m (1410ft), had to push 15kdaN (33.72klbs) to get through
- Low-side exit set at 150° right
- 400°F downhole temperature

SOLUTION

X-treme WindowMaster™ whipstock system was selected due to its capability to:

- Improve tripping speed
- Withstand up to 100,000 lbs. push/pull force for scrapping and passing through restriction
- Mill a casing window in any casing grade, and any formation type

Baker Hughes pre-assembled the whipstock and mills enabling the operator to efficiently pick up the complete assembly.

RESULTS

- Saved 3 days rig time by completing the whipstock operation in one trip
- Passed through multiple high dogleg areas
- Successfully set the whipstock and milled low side window and rathole in 9.6 hours
- Executed the job flawlessly with no NPT or HSE issues
- Enabled the customer to continue drilling the well as planned



X-treme PathMAKER Mill