

Case Study

& technology showcase

Cuttings Mobilizer – Pierson, Manitoba



the challenge

- The operator of a horizontal well program in Pierson, Manitoba was taking close to fourteen hours to run their casing into the hole. In order to get their casing in place, the operator would have to pick up the Kelly and circulate the casing into the hole. This takes a lot of time and effort on the part of the rig crew and because of this, the operator was looking for a different way of completing this task by cleaning up the hole prior to running casing.

the solution

- In an effort to reduce run times, the operator chose to incorporate into their drilling string an innovative downhole tool called the Cuttings Mobilizer.
- Time was spent analyzing the well plan; placement of the Cuttings Mobilizers was optimized so that cuttings which would accumulate in the low side of the horizontal and in the curve were cleaned out.
- Four Cuttings Mobilizers were placed in the drill string at a spacing of approximately 200m.
- The hole size being drilled was 159mm and the connections used were 4" Full Hole.

measured success, real value

- The company representative commented: "before I ran the Cuttings Mobilizers, I had to start circulating in the casing well off bottom and my casing running times were fourteen hours. Now I am down to eight hours". The casing slid in without hanging up and it no longer has to be circulated in. This equates to a 43% reduction in the time required to run the casing to TD.



Arrival Oil Tools Inc.

Innovative engineering. Downhole excellence.

946 55 Avenue N.E.

Calgary, Alberta

Canada T2E 6Y4

403.730.6660

www.arrivaloiltools.com