

BP Alaska

BP Alaska required to run a 7" liner through a window in the 9⁵/₈" casing to 13,448 ft Target Depth at 74 degrees. The aim was to run to TD at the first attempt, cement the casing through the TurboCaser™ and drill out with 6¹/₈" rock bit. It was also the intention to avoid any HSE exposure from pulling the liner.

THE CHALLENGE

The customer required to re-develop a current well to prove the formation was a worthwhile target for further development.

The unstable shale formation between 13,000 – 13,400ft posed a specific challenge for re-completion, which required additional wiper trips. This aspect however, in conjunction with the likelihood of lost circulation, deepened the challenge of completion deployment to Target Depth.

THE SOLUTION

The wells team agreed that a 7" TurboCaser™, which was critical to the liner reaching Target Depth, enabled that to be achieved with no need for string rotation therefore reducing the risk of potential damage to the liner.

The unique TurboCaser™ technology allowed timely drilling which prevented any delays when moving onto the next section for completion.

THE RESULT

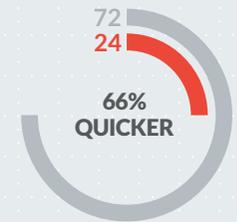
This operation proved the technology in North Slope geology and successfully reamed 220 ft in 7¹/₂ hours. It reached Target Depth at the first attempt and cement remedial work is ongoing.

Drilled out 6¹/₈" bit and landed 10,685 ft of liner successfully through 400 ft of extremely fragile shale zone.



IN NUMBERS

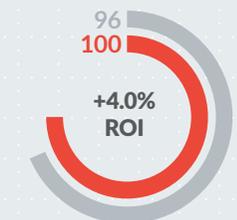
Conventional Technology
TurboCaser™



48 HOURS SAVED
24 hours rather than 72 to prepare the hole compared conventional technology.



66% TIME SAVED
TurboCaser™ reamed through final 220ft to reach TD in one day rather than three.



ADDITIONAL PRODUCTION
An additional 4% ROI was achieved as the TurboCaser™ enabled liner to reach section TD.