

ALBERTA, CANADA

HARMATTAN AND PEMBINA FIELD

Lithology	Sandstone, shale
Reservoir	Cardium
Temperature	131–158 degF [55–70 degC]
Pressure	2,321–3,626 psi [16–25 MPa]
Depth	10,499–13,780 ft [3,200–4,200 m]
Completion size	4.5 in [114.3 mm]
CT string size	2 in [50.8 mm]

Background

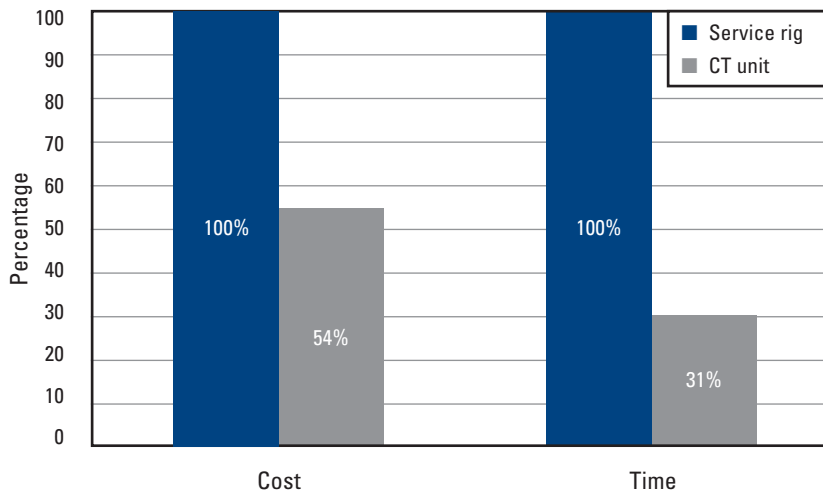
An operator had a number of multiwell pads to complete which included the milling of debris subs. A service rig was replaced with an efficient equipment package and the implementation of CoilTOOLS* coiled tubing intervention tools and solutions provided by Coil Tubing Services. A one-piece CT unit and support crane reduced the operational footprint and enabled a faster, more-efficient rig up due to minimal equipment repositioning between wells on a pad. The milling tools eliminated a venturi junk basket run and the expertise of the minimized crew improved the cleanout efficiency, resulting in additional savings of time and money.

Technologies

- CoilTOOLS coiled tubing intervention tools and solutions

CT Milling Operation Increases Efficiency and Reduces Costs Per Well by 46%

103 debris subs safely milled out, time per well reduced by 69%



In 26 months, 103 debris subs were safely milled out as per the operator's completion schedule; the efficiencies reduced operating costs per well on average by 46% and time per well by 69%.