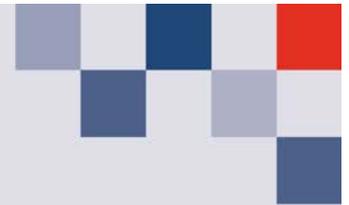




Artificial Lift Services



www.Q2als.com

TESTIMONIAL

Q2-Flow One Piece insert guided valve system improves pumping efficiency to yield a sustainable 53% production increase

Executive Summary

Vermilion was founded in 1994 as a Canadian oil and gas exploration and production company focused on assets in Alberta, Canada. In 1997, Vermilion took the highly innovative step of expanding internationally through the acquisition of oil-producing assets in France. Since that time, Vermilion has continued to add assets to its portfolio focusing on three core regions: North America, Europe and Australia.

The Customer

Don Durgan, Area Foreman Vermilion Energy located West Central Saskatchewan Canada operates a field of 155 sucker rod pumping wells was seeking new technologies and pump designs as a best practice to improve pumping efficiencies by deploying innovative pump designs available from Q2 ALS

The Objective

Improve pump efficiencies to lower surface unit energy costs and increase production without the need for additional capital or operational expense

How did Q2 Artificial Lift help?

Q2 ALS installed (5) 20-150-RWAC-12-3-0 with patented 1 PC Q2-Flow cages installed as traveling and standing cages - Standing cage detail 1.75" (12HCTC & A37H-IG-1PC) and traveling cage detail 1.50" (12FCTC & A39FIG-1PC). ***The Q2-Flow Pump is proven to reduce pressure drop by up to 40% increasing downhole longevity. Our patented design prevents ball chatter with a concave fluid profile allowing us to increase our cross-sectional flow area.***

The Results

"The well that had the best overall results was our Plato well, this well produces a very foamy product with a 50% Brine, Sand and Water cut, an absolute oil density of 905kg/m³ and around 3.4 dekatherms of gas. I personally credit it's increase to the unique cage design of the Q2 pump being able to pump this fluid without the usual gas locking and the traveling valve seating properly rather than floating since we run very little back pressure on the tubing. It's production in April 2019 was 1.48m³/day oil and as of December 31, 2019 with the Q2 pump it is still producing 2.77m³/day."

"Don Durgan, Area Foreman, Vermilion Energy"

About Q2 Artificial Lift Systems

Established in 2016, Q2 Artificial Lift Services with Headquarters and main Factories located in Red Deer, Alberta, Canada is a fully integrated API 11AX monogrammed sucker rod pump manufacturing company serving all International markets and through corporate owned and operated network of 30+ repair and service locations situated across Canada and the USA