

Application story



Oil - Water Mix Transfer Pumps (1)

Location	USA	Hydra-Cell model	D35XKBTNNECB
Type of application	Crude Oil Recirculation	Flow rate	138 L/min (36.5 gpm)
Liquid	Crude Oil Water	Pressure	3.4 bar (50 psi)
Application details	Newfield Exploration, a large oil and gas exploration and production company traditionally used gear pumps to recirculate crude oil at their well sites in order to keep the oil and water phases mixed until they could be processed in the heater-treater. Gear pumps, popular for handling crude oil distribution, are ill equipped to handle crude straight from the ground as it contains contaminants that cause their seals to fail and leak. Frequent seal repairs in these pumps were expensive and they were breaking down as often as twice a year with seal kits costing +\$1800 each. Hydra-Cell D35 seal-less pumps proved to be the ideal solution. With no seals to leak and need replacing, maintenance costs were slashed immediately. While the purchase price of the Hydra-Cell D35 was higher than the gear pump, the maintenance savings quickly surpassed the total cost of the Hydra-Cell pump. The D35 pumps have been failure free and Newfield is in the process of installing the pumps at every one of their well sites. With a required pressure of only 50 psi (3-4 bar), the application is an easy duty for the D35 ensuring failure free operation of the pump.		
Advantages of Hydra-Cell pump on this application	Hydra-Cell was chosen for this application for the following reasons: - Ability to pump this particle laden liquid, reliably and with ease. - Seal-less design vastly reduces site maintenance costs.		

www.hydra-cell.co.uk

Wanner Engineering -
World Headquarters & Manufacturing
Minneapolis USA
t: (612) 332-5681
e: sales@wannereng.com

Wanner International
Hampshire UK
t: +44 (0) 1252 816847
e: sales@wannerint.com

Wanner Pumps
Shanghai CHINA
t: +86-21-6876 3700
e: sales@wannerpumps.com

Wanner Pumps
Kowloon HONG KONG
t: +852 3428 6534
e: sales@wannerpumps.com