

Application story


WANNER™
HYDRA-CELL® PRO
SEAL-LESS PUMP TECHNOLOGIES



Produced Water Injection (2)

Location	Argentina (Installation: February 2020)	Hydra-Cell model	Q155FRDGHFEHAC
Type of application	Produced Water Injection	Flow rate	683K litres/day (683 m ³ /day) / (5728 BPD)
Liquid	Co-produced Water	Pressure	69 bar (70 kg/cm ²) / (1000 psi)
Application details	A STORK pump has been replaced by Hydra-Cell Q155F for re-injection of water that has been separated from petroleum; as part of the process equipment, there is a skimmer and stock tank.		
Advantages of Hydra-Cell pump on this application	• Hydra-Cell pumps do not need pulsation dampeners due to their multiple diaphragms which ensures a smoother fluid flow and dramatically reducing pipe vibrations and protecting gaskets and seals. The result is a longer lasting and safer system. • Seal-less design ensures reliable pumping of water containing particles. • With no dynamic seals the Hydra-Cell pump does not need the liquid to form a hydrodynamic film which has to be a pressure seal. This means the Hydra-Cell pump can provide a predictable flow rate, reducing energy usage. • Stock tank can be drained in a lowest level due to Hydra-Cell's low NPSHr.		

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