

Application story


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



Methanol Injection for Well De-Icing (2)

Location	Abu Dhabi	Hydra-Cell model	G35EKRGHFEHB
Type of application	Methanol Injection for Well De-Icing	Flow rate	4900 L/hr (1 294 GPH)
Liquid	Methanol	Pressure	43 bar (625 psi)
Application details	Natural gas hydrates are solid crystalline compounds of snow appearance with densities smaller than that of ice. Natural gas hydrates are formed when natural gas components, for instance methane, ethane, propane, isobutene, hydrogen sulfide, carbon dioxide, and nitrogen, occupy empty lattice positions in the water structure. In this case, it seems like water solidifying at temperatures considerably higher than the freezing point of water.. Methanol is injected into the wells, and acts as a “de-icing” agent.		
Advantages of Hydra-Cell pump on this application	Hydra-Cell G35 was chosen over the traditional metering pump because of the following reason • Compact design saving installation and acquisition cost • API675 performance • Ability to operate in at low/negative inlet pressures		

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