



Charge Pumps

Charge pumps are used to combat high G.O.R. wells. The pump system usually consists of a normal production pump (what you would usually install based off of volume required and lift required) attached to a higher volume charge pump (usually 300m lift). The pumps are separated by a pup joint and pony rod. The charge pump stator has **patented** perforations installed on the top portion of the stator, these **patented** perforations are required to provide the proper gas break out. This gas breakout enables the main pump to produce a lower G.O.R. fluid which in turn raises the pump efficiency and extended the stator life dramatically.

Benefits

- Increased pump life
- Increases pump efficiency
- Increased production
- Increase fluid densities by providing gas break out
- Reduces free gas entering the main production pump
- More accurate fluid levels
- Increased gas production up annulus

Pump Combinations	
Main Pump	Charge Pump
10	15
18	50
27	50
35	50
45	105
60	105
80	140
98	140