

Produced Water Filter

INDUSTRIAL FILTRATION | PRODUCED WATER FILTER | PRODUCED WATER TREATMENT

Midway Sunset

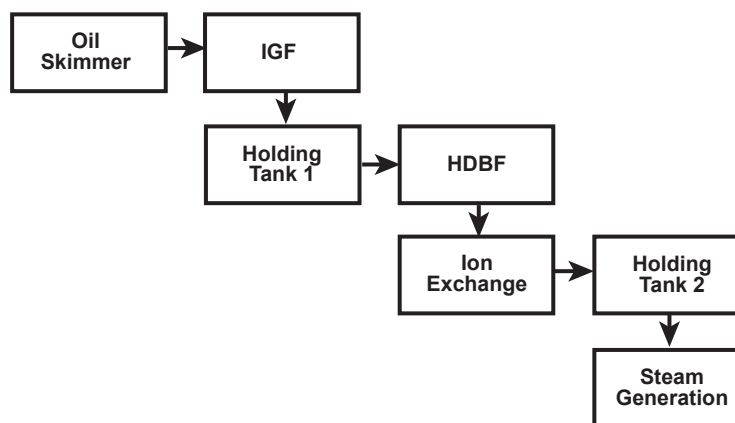
PRODUCT USED:

STiR Industrial Water Filter
Walnut Shell Media Filter



END USER:	Chevron
LOCATION:	Taft, California
UNITS:	(5) Model FDB-170P
RATE:	10,000 gpm / 350,000 BPD / 2,300 m3/hr
PROCESS:	Produced water filtration for steam filter

PRODUCED WATER TREATMENT-PROCESS FLOW DIAGRAM



MORE INFO

The Chevron Midway Sunset facility processes produced water from the steam flood.

This produced water must have less than 1.0 ppm oil and less than 2.0 ppm suspended solids, prior to going to the steam generators.

The water flowing into the filtration units contains about 3.0 – 5.0 ppm oil and up to 5 ppm suspended solids, usually less than 1.0 micron in size.

These produced water filters produce effluent water quality, consistently less than 1.0 ppm oil and 1.0 ppm suspended solids. Most times the oil concentration is undetectable.

This particular oil field has had a history of generating produced water with a “reverse emulsion”, meaning the oil droplets are small enough (< .2 micron) to remain in the water phase.

With the proper chemical addition, the STiR industrial water filters consistently produce water quality less than 0.5 ppm oil, and often at undetectable levels.

The effluent from the produced water treatment filters flow through resin bed ion exchange softeners. The potential problem with water softening is oil fouling of the resin bed.

With our produced water treatment process this is no longer a problem, or even a concern, due to using STiR technology. One of Chevron's senior operators said “the effluent from these filters is as clean as he has seen in 35 years at this facility.”

Discover how your the STiR can help save you time, money and headaches filtering your produced water by calling now, 248-427-9090