



Plains Exploration

2200 GPM PRODUCED WATER
TREATMENT SYSTEM

ANDERSON-WPT





Plains Exploration

Kern County, California

ANDERSON-WPT

SITUATION/BACKGROUND

Plains Exploration & Production Company's (PXP) Cymric site is one of the company's largest & oldest oil production fields. The Cymric site is located in San Joaquin basin in the heart of the California oil industry. In 2006 and again in 2007, PXP contracted with Anderson Water Systems for a 1100 gpm water treatment system to treat produced water from the Cymric oil field. A total of 2200 gpm is now installed.

SOLUTION

Anderson designed and manufactured this water system – all according to stringent Oil Field specifications.

- 2 x 1100 gpm capacity
- Influent feed of produced water – approximate TDS of 25,000 mg/L
- Treated water used for boiler feed for steam for well field injection
- (2) Primary Strong Acid Cation (SAC) Vessels – 13' diameter x 11' sideshell each
- (2) Polishing Strong Acid Cation (SAC) Vessels – 9' diameter x 8' sideshell each
- Face piping
- Anderson's superior lateral underdrain design for difficult produced water applications
- Skid mounted
- Controls System

BENEFITS

- System handles high TDS oil field produced water.
- Anderson lateral underdrain designed to handle harsh oil field conditions
- Equipment preassembly in Anderson manufacturing facility resulted in a fast & low cost installation.
- System designed & manufactured in Anderson's Dundas, Ontario facility.
- Anderson – WPT provided a 'one source' solution.



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