



Apollo

Crude oil conditioning

Complete solutions that are applied throughout its value chain

SITUATION

The decline in quality of Mexican crude is a reality that has reached production. After decades of prosperity, the fields have entered their phase of decline. This crisis can be observed in two situations: more and more heavy crude is extracted than light and the light that is extracted tends to have more salt and water than before.

These negative conditions for the hydrocarbon trade have worsened even more in recent years. The most complicated thing is that the negative characteristics of the extracted crude oil vary very easily. As a result, it is difficult to design standard programs to condition crudes to commercial specifications for salt and water content.

For instance, the salt content of the Mayan crude (heavy and high in asphaltenes), can skyrocket in a matter of 24 hours. If marketed like this, the seller would face significant monetary penalties. To ensure that the oil maintains commercially acceptable water and salinity levels, it is necessary to design conditioning programs capable of responding immediately to production fluctuations.

These programs must have different work stations, strategically located at the critical points of extraction: production fields, electrostatic vessels, tanks in maritime terminals. In addition, there must be chemical products that can adapt to the unstable composition of the mixtures of hydrocarbon.

SOLUCIÓN

Since 2005, Apollo offers a desalination and dehydration program for both light and heavy crude oils. These are versatile solutions that adapt to changing production conditions. With these implementations, Pemex has managed to reduce the percentage of salinity from 6,000 pounds to only 50 (in the case of heavy crude) and from 4,000 to 50, in the case of light crude. Leader in this type of treatment, Apollo currently conditions 65% of the national production of the southwest marine region.





EXPERIENCE

13 YEARS
of treatment

•
614 K
barrels of light crude
treated daily

•
950 K
barrels of heavy crude
treated daily

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