

**TECHNICAL QUESTIONNAIRE FOR
THE DESIGN OF CHEMICALS IN
VIEW OF ASPHALTENIC OR
PARAFFINIC CRUDE OIL
TREATMENT**

The data given on this questionnaire will be handled as confidential.

ANTICOR CHIMIE's laboratory will use it to design a suitable treatment for your application.

To run the lab tests we need:

- *Your fulfilled questionnaire (fax + 33 (0)4 92 68 69 71)*
- *A sample of untreated crude and/or a sample of deposit in adequate quantity to extract:*

<i>For asphaltenes dispersant study:</i>	<i>5 g of asphaltenes</i>
<i>For asphaltenes solvent study:</i>	<i>10 g of asphaltenes</i>
<i>For paraffins solvent study:</i>	<i>500 g of paraffins</i>

OILFIELD IDENTIFICATION

Location :

Operating company :

Contact name :

Phone :

Fax :

E Mail:

PRODUCTION DATA

Total production rate (hydrated):

Number of wells involved:

Average production rate:

% Oil:

% Free water:

BSW:

GOR:

Bubble Point:

Pressure:

Temperature:

Oil analysis :

Distillation curve and composition of crude oil

% Naphtenics:

% Asphaltenes:

% Resins:

% Aromatics:

% Paraffins:

Pour-point:

Untreated:

Treated:

Density:

Viscosity:

Wax appearance temperature:

Water analysis :

pH:

Total salinity :

Complete analysis:

CATIONS

Ca⁺⁺:
Mg⁺⁺:
Na⁺:
K⁺:
Ba⁺⁺:
Fe⁺⁺:
Li⁺:
Sr⁺⁺:

ANIONS

Cl⁻:
SO₄⁻:
CO₃⁻:
HCO₃⁻:
Br⁻:
I⁻:
PO₄⁻:

Gas analysis :

% CO₂ :

H₂ S (ppm):

FIELD DATA

Bottom hole:

Depth:

Temperature:

Static pressure:

Dynamic pressure:

Well head:

Temperature:

Pressure upstream choke:

Field pressure:

Water depth under platform:

Seabed minimum temperature:

Well equipment:

Possibility of down hole injection:

Macaroni tubing:

Depth:

Gas lift:

Depth:

Casing diameter:

Tubing diameter:

Packer at bottom: Yes/No

Depth:

Wells maintenance:

Cleaning operations:

- | | |
|-----------------|---------------|
| . By wireline: | Frequency: |
| | Results: |
| . By chemicals: | Frequency: |
| | Product used: |
| | Method: |
| | Results: |
| . Other: | |

PROBLEMS DESCRIPTION

- Location where problems occur:

- Characteristics of the fouling:

- Samples: Place and date of taking :

- Frequency of cleaning:

- Means of cleaning:

- Others: