



OIL AID-FL-16

FLUID LOSS ADDITIVE

DESCRIPTION

OIL AID-FL-16 is a fluid loss additive for fresh water, brines and hydrochloric acid. OIL AID-FL-16 is an emulsified suspension of oil soluble particulates specially designed to prevent fluid loss during fracturing operations. Its typical properties are:

Specific Gravity, 60° F	1.086
Flash Point, ° F, SFCC 200	
Pour Point, ° F -5	
pH 8.8	
Solubility, 1% in:	
Water	Very dispersible, no visible separation after 1 hour
Methanol	Insoluble
Kerosene	Soluble, clear solution
15% HCL	Very dispersible, no visible separation after 1 hour

APPLICATION

In hydraulic fracturing operations, OIL AID-FL-16 greatly reduces loss of frac fluid leakoff therefore allows for a more efficient use of the frac fluid by generating and extending the growth of the fracture.

When OIL AID-FL-16 is used in an acid fracturing fluid, it seals off the rock matrix allowing for deeper penetration of the live acid into the fracture, thus establishing better conductivity between the wellbore and the fracture.

RECOMMENDED TREATMENT

OIL AID-FL-16 can be added to the system before pumping or in line during the pumping operation. The concentration of OIL AID-FL-16 to be used is dependent upon the formation temperature. For general recommended dosages refer to Table 1.

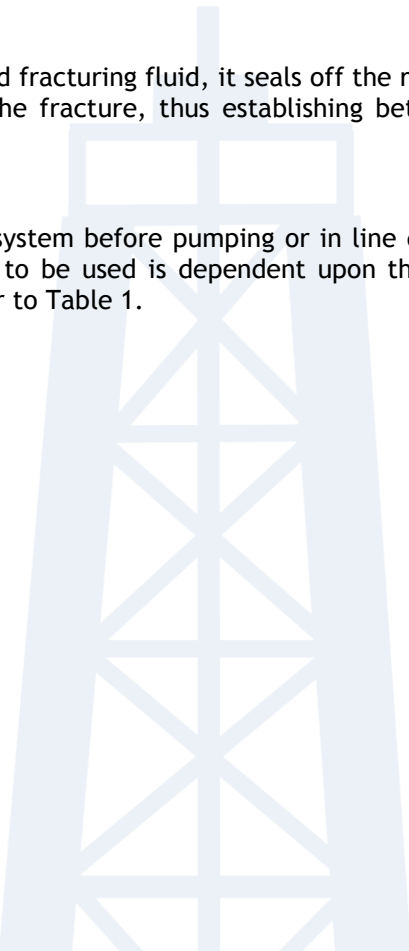




TABLE 1

<u>OIL AID-FL-16</u>	<u>Formation Temperature</u>
5 gpt	Up to 80°C (175°F)
10 gpt	80° -121°C (176° -250°F)
20 gpt	122° -177°C (251° -350°F)

HANDLING

Observe warning labels on container. Normal precautions for industrial chemicals apply.

PACKAGING

OIL AID-FL-16 is available in 55 gallon export quality drums.

OIL AID-FL-16 is a Messina trademark

