

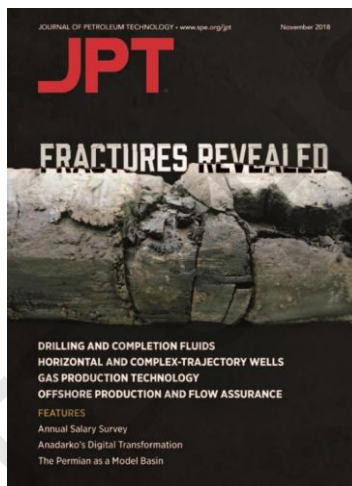
ULIA® Ultra Low Invasion Additive



ULIA® is a field proven additive that allows building a low invasion drilling fluid which improves wellbore circumferential stress, prevents hole collapse and effectively controls mud losses. ULIA® significantly reduces fluid invasion into matrix permeability and micro-fractures by forming a very low permeability, yet acid soluble, film across the exposed formation. This film minimizes fracture propagation and actually raises the fracture initiation pressure of the formation. Since ULIA® has no polymer component it can be used in temperatures up to 350 deg F.

Applications

- Micro-fracture formation
- Permeable matrix formation
- Fragmental rock formation
- Shale formation
- Coal formation



TECHNOLOGY APPLICATIONS

Chris Carpenter, JPT Technology Editor

Infiltrable Packer System

Infiltrable Packers International introduced its new Infiltrable packer system designed to optimize rigless installation and improve performance to prevent (K) without the need of a pump truck or rig. The concept is to use a packer with a very low permeability, yet acid soluble, film across the exposed formation. This film minimizes fracture propagation and actually raises the fracture initiation pressure of the formation. Since ULIA® has no polymer component it can be used in temperatures up to 350 deg F.



Fig. 1- The ultralow invasion additive from Infiltrable packer system.

Fracture Control Additive

Fracture Control Additive (FCA) is a field proven additive that allows building a low invasion drilling fluid which improves wellbore circumferential stress, prevents hole collapse and effectively controls mud losses. FCA significantly reduces fluid invasion into matrix permeability and micro-fractures by forming a very low permeability, yet acid soluble, film across the exposed formation. This film minimizes fracture propagation and actually raises the fracture initiation pressure of the formation. Since ULIA® has no polymer component it can be used in temperatures up to 350 deg F.

ULIA is listed at "TECHNOLOGY APPLICATIONS" of Nov. 2018 JPT issue, the flagship journal of SPE.

Features

- PSD optimization resulting in less screen out by shale shakers
- Minimum impact to rheology due to **NO** presence of polymer component
- Completely compatible with MWD/ LWD tools
- Compatible with both water based and synthetic based muds

World Oil's Fluids 2015			Recommended for these systems						Product Function					
Available from:	Product tradename	Description of material	Water-based fluids						Primary	Secondary	Secondary			
			Non-dispersed	Dispersed	Calcium-treated	Polymer	Low solids	Saturated salt				Oil-based	Synthetic-based	Air, mist, foam, gas
Vertechs	VCLEAN	OBM/crude oil residue cleanup agent										WBC	CF	SU
Vertechs	ULIA	Non/low invasion seal agent	X	X	X	X	X	X	X	X	X	LO		

2015 < World Oil > Guide To Fluids: Recognized oilfield additives