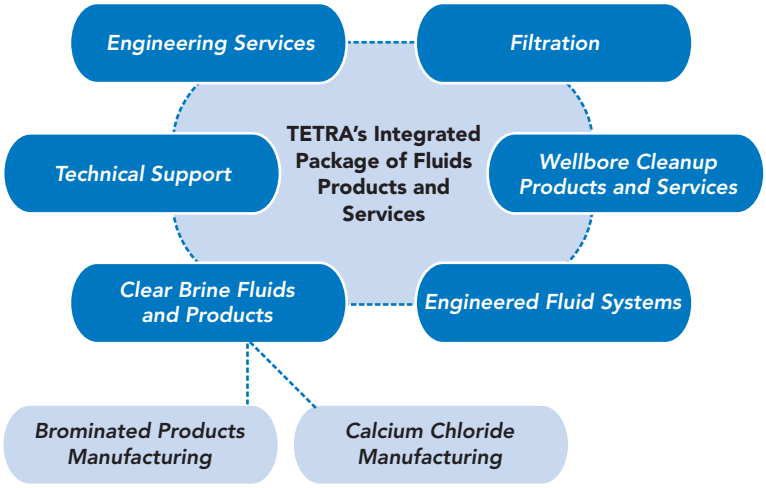
CHAPTER 1 Introduction

TETRA Technologies, Inc. was a pioneer in the use of clear brine fluids for well completions, workovers, and drilling operations, and the Company has continued to be an innovator in the industry. For more than two decades, TETRA has worked to develop new and more technically advanced products to meet the ever-changing needs of our customers. All segments of our fluids operation—from manufacturing the base products to technical planning and support—work in concert to provide an integrated solution for our energy industry customers.



Our 26,000-square-foot technology center has state-of-the-art research and testing equipment and is manned by technologists and Ph.D. chemists who have developed and supported many new innovations in oilfield well completions. Focused on solving industry-related issues, TETRA keeps abreast of oilfield trends and strives to design products and techniques aimed at solving emerging problems such as environmentally assisted cracking (EAC) of chrome production tubing in high pressure, high temperature (HPHT) wells. Extensive and innovative research in this

area, as well as that related to other production challenges such as fluid loss and production impairment, is ongoing.

In addition to innovative product development, the technology center personnel support our field engineers and provide quality assurance control and best practices guidance to our domestic and international operations.

Why We Wrote this Guide

The *Engineered Solutions Guide for Clear Brine Fluids and Filtration* has been developed by TETRA in an effort to assist our customers in planning for and engineering well completions designed to maximize well performance and profitability. We hope that this publication provides useful information and tools that facilitate the application of products and technologies designed to enhance our customers' producing formations.

We have provided useful lists and a comprehensive index to help you access information that is of interest to you. In addition, the interactive CD version includes full search capabilities.

Use of Icons

There are several icons used throughout the guide to provide the reader with visual clues. A brief explanation of each follows.

This icon signifies a Recommendation.

This icon signifies a Note to highlight information that may be important to readers.

This icon signifies a Warning or Caution.

This icon signifies that the associated text refers to Single Salt Fluids.

This icon signifies that the associated text refers to Two Salt Fluids.

This icon signifies that the associated text refers to Three Salt Fluids.

RQ *This icon appears next to product names in Chapter 5, "Product Quick Reference," to indicate that a product contains at least one ingredient with an established EPA Reportable Quantity (RQ).*

Contact Information

Requesting a Copy of this Guide

To receive a copy of this guide, please include your name, company name, address information, and phone number in your request and send it to TETRA via e-mail or by mail as outlined below:

E-mail Your Request to:

solutions-guide@tetratec.com

Mail Your Request to:

TETRA Technologies, Inc.
Attn: Engineered Solutions Guide
25025 Interstate 45 North, Suite 600
The Woodlands, TX 77380

Accessing this Guide Online

An online version of the TETRA *Engineered Solutions Guide* is accessible at **www.solutionsguide.tetratec.com.** We will post any updates to the guide on this site and will include links to useful related information and tools. A CD version is also included at the end of this guide for your convenience.

Suggestions, Corrections, or Updates

Please send any editorial suggestions, corrections, or updates to the following address:

TETRA Technologies, Inc.
Attn: Engineered Solutions Guide
25025 Interstate 45 North, Suite 600
The Woodlands, TX 77380

or e-mail them to: solutions-guide@tetratec.com

We hope that you find this guide useful. TETRA's service representatives are available to assist with project planning and to answer any questions that you may have.

Notes: