

# **Hydraulic Fracturing Market Report by Well Type (Horizontal, Vertical), Fluid Type (Slick Water-based Fluid, Foam-based Fluid, Gelled Oil-based Fluid, and Others), Technology (Plug and Perf, Sliding Sleeve), Application (Shale Gas, Tight Oil, Tight Gas), and Region 2024-2032**

<https://marketpublishers.com/r/H490F22A31E2EN.html>

Date: March 2024

Pages: 141

Price: US\$ 3,899.00 (Single User License)

ID: H490F22A31E2EN

## **Abstracts**

The global hydraulic fracturing market size reached US\$ 47.2 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 77.7 Billion by 2032, exhibiting a growth rate (CAGR) of 5.53% during 2024-2032.

Hydraulic fracturing, or fracking, refers to an oil and gas well drilling process used for extracting petroleum or natural gas and creating new fractures in low-permeability rocks, such as sandstone, shale and coal, for enhancing the oil and gas flow. It involves injecting high-pressure water, sand and chemicals into the bedrock formation of the well. Hydraulic fracturing commonly utilizes plug and perf and sliding sleeve technologies that involves the stimulation of wells with cemented liners and shutting off of flow from one or more reservoir zones to regulate pressure between the extraction zones. The wells are drilled in horizontal and directional sections using proppants, such as sand, ceramic pellets and small incompressible particles. Hydraulic fracturing aids in improving the access to oil and gas resources and minimizing the amount of pollution particles in the air.

### **Hydraulic Fracturing Market Trends:**

A significant increase in the onshore and offshore oil and gas exploration activities is one of the key factors driving the market growth. Hydraulic fracturing is widely used for the redevelopment of oil fields, well base expansion and exploring new offshore projects

for the extraction of natural gas and crude oil. Moreover, the rising demand for energy across both developed and emerging nations is providing a thrust to the market growth. Hydraulic fracturing is widely utilized for the exploration of highly impermeable shale reservoirs and optimization of oil production. In line with this, the increasing adoption of plug and perf technology for vertical and horizontal wells is also contributing to the growth of the market. Additionally, the development of foam-based and waterless fracking technologies is acting as another growth-inducing factor. Foam offers high viscosity and low liquid content that aids in minimizing water utilization and reducing the impact on the environment. Other factors, including the development of cost-effective fine mesh frac sand, along with the implementation of favorable policies regarding sustainable development, are anticipated to drive the market toward growth.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global hydraulic fracturing market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on well type, fluid type, technology and application.

#### Breakup by Well Type:

- Horizontal
- Vertical

#### Breakup by Fluid Type:

- Slick Water-based Fluid
- Foam-based Fluid
- Gelled Oil-based Fluid
- Others

#### Breakup by Technology:

- Plug and Perf
- Sliding Sleeve

#### Breakup by Application:

- Shale Gas
- Tight Oil
- Tight Gas

### Breakup by Region:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

### Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Afg Holdings Inc., Archer Limited, Baker Hughes Company, Basic Energy Services Inc., Calfrac Well Services Ltd., Fts International Inc., Halliburton Energy Services Inc., Legend Energy Services, Liberty Oilfield Services LLC., Nextier Oilfield Solutions Inc., Nine Energy Service and Patterson-Uti Energy Inc.

### Key Questions Answered in This Report

1. What was the size of the global hydraulic fracturing market in 2023?
2. What is the expected growth rate of the global hydraulic fracturing market during 2024-2032?

3. What are the key factors driving the global hydraulic fracturing market?
4. What has been the impact of COVID-19 on the global hydraulic fracturing market?
5. What is the breakup of the global hydraulic fracturing market based on the well type?
6. What is the breakup of the global hydraulic fracturing market based on the fluid type?
7. What is the breakup of the global hydraulic fracturing market based on the technology?
8. What is the breakup of the global hydraulic fracturing market based on the application?
9. What are the key regions in the global hydraulic fracturing market?
10. Who are the key players/companies in the global hydraulic fracturing market?

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