

# United States Sand Control System Market By Technique (Gravel Packing, Sand Screens, Resin Coated Gravel, Inflow Control Device), By Well Type (Open Hole, Cased Hole), By Application (Onshore, Offshore), By Region, Competition, Forecast and Opportunities, 2028

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## Abstracts

United States Sand Control System Market is anticipated to grow at a steady pace in the forecast period, 2024-2028. United States is anticipated to witness significant growth, owing to rising drilling activities in the area. Sand getting into production wells is one of the most difficult issues that oil companies deal with. Production problems caused by sand blocking, erosion to down-hole tools and completion strings, and damage to surface facilities like separators and pipelines are some problems that can arise from sand production. Some of the key factors anticipated to drive the growth of the US sand control systems market include increasing private investments to support new drilling activities, increasing government support from various countries for the development of the oil and gas sector, and the rising number of wells in the US.

Sand control is a technique for limiting the amount of sand that enters a wellbore. It is a typical requirement for many gas and oil producing wells worldwide. There are two circumstances that lead to the formation of sand. The first situation is mechanical failure of the rocks close to the wellbore, and the second is drag force from the fluid being produced or injected, in the sub-surface. Additionally, the market size, measured by revenue, of the US Oil Drilling & Gas Extraction industry is USD 737.3 billion in 2023. The United States presently generates 90% of its domestic natural gas supply and 75% of its crude oil supply. As oil industry in US is gaining traction the United States Sand control system market is expected to expand in the coming years.

## Extensive Use of Sand Control Technology

All the main oil & gas corporations make extensive use of sand control technology to reduce serious sand problems. The first flow, pressure drop, or water breakthrough is when unconsolidated sandstone reservoirs with permeabilities of 0.5 to 8 Darcie's are most likely to produce sand. The sand control system suggests many methods to prevent sand from entering the wellbore, which would increase hydrocarbon output and risk damaging expensive machinery of the main oil corporations making massive use of sand control technology to lessen the serious sand problem. Owing to which the United States sand control system market is expected to grow in the future.

Sand production is viewed as undesirable by drilling corporations due to the present global oil price, which has made it one of their primary concerns. Sand production can harm surface production facilities, subsea and downhole equipment, ultimately increasing the likelihood of catastrophic failure. It costs the producers million dollars per year. As a result, there are numerous distinct sand control strategies designed for diverse reservoir conditions. Additionally, efforts to improve the reserve-to-production ratio from wells and ongoing shale development activities are important drivers of the market for sand control systems.

## Growing Efforts to Improve the Reserve for Production Ratio in Wells

Nowadays, most of the oil and gas wells in the globe that were drilled into unconsolidated sandstones produce sand mixed with reservoir fluids. Sand production results in several issues, including sanding up the production interval, filling of perforation tunnels, buildup in surface separators, and probable equipment failure from erosion on both downhole and surface equipment. There are various strategies for reducing sand production from wells, ranging from straightforward adjustments in operational procedures to pricey completion approaches. The sand control technique chosen is determined by the conditions unique to the site, the nature of the operations, and economic factors.

Sand production can harm surface production facilities, subsea and downhole equipment, ultimately increasing the likelihood of catastrophic failure. It costs the producers several million dollars per year as a result. Therefore, there are numerous distinct sand control strategies designed for diverse reservoir conditions. Additionally, efforts to improve the reserve to production ratio from wells and ongoing shale development activities are important drivers of the market for sand control systems.

## US Growing Oil & Gas Industry

The US has the world's largest economy, the United States consumes a disproportionate amount of energy. The nation is significantly dependent on oil and gas reserves. In 2020, 15% of the world's crude oil came from US. Hence, the demand for sand control system is growing, as this technique is used during oil production. Owing to which the demand of sand control systems (SCS) is growing rapidly.

Additionally, BP PLC announced the launch of the Herschel Expansion project in the Gulf of Mexico in February 2022. The first of the four significant projects to be completed globally in 2022 is Herschel. The project's first phase focuses on creating a new subsea production system. The first well is anticipated to boost platform annual gross production by 10,600 barrels of oil equivalent per day at its peak.

ConocoPhillips began oil production at its GMT-2 oil project in the National Petroleum Reserve-Alaska in December 2021. At its peak, the project is anticipated to produce 30,000 b/d. The project's development expenses totaled USD 1.4 million. Hence, the demand of sand control systems (SCS) market in the US is expanding rapidly.

## Rising Drilling Activities Driving the Market in The Forecast Period

United States is expected to witness significant growth owing to rising drilling activities in different locations in country. To maintain optimum performance, major sand control system market participants installed the system on offshore oil fields before drilling started. It is anticipated that the market for sand control systems will benefit from technological advancements in systems that adapt to the different types of the earth crust in different locations. For instance, February 27 Reuters (London), in the middle of 2022, U.S. oil drilling activity has started to fall in response to the price decline, which will result in slower production growth for the remainder of 2023 and into 2024.

The most prevalent rigs in the US are oil rigs. Nearly 480 oil rigs were still operational at the end of 2021, compared to only 106 gas rigs. Over time, this divergence has been worse; in 2011, the difference was less noticeable. Approximately 2,000 new oil and gas extraction sites were drilled in 2011, marking the top year for new well drilling in the last ten years. In the Permian Basin, you may find the majority of oil rigs. As the new oil and gas extraction fields are developing, the market is expected to grow with a high CAGR in the forecast period.

## Market Segmentation

The United States sand control systems market is segmented based on, technique, well type, application, and region. Based on techniques, the market is segmented into gravel packing, sand screens, resin coated gravel, and inflow control device. Based on well type, the market is segmented into open hole and cased hole. Based on application, the market can be bifurcated into onshore and offshore. Based on region, the market is divided into West, Midwest, Northeast, and South.

## Market Players

Main market players in the United States sand control system market are Schlumberger Limited, Halliburton Company, Baker Hughes Incorporated, Weatherford International, PLC, National Oilwell Varco, Superior Energy Services, Oil States International, RGL Reservoir Management Inc.

## Report Scope:

In this report, the United States Sand control system Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

### United States Sand control system Market, By Technology:

Gravel Packing

Sand Screens

Resin Coated Gravel

Inflow control device

### United States Sand control system Market, By Well Type

Open Hole

Cased Hole

### United States Sand control system Market, By Application:

Onshore

Offshore

United States Drilling Rig Market, By Region:

West

Midwest

Northeast

South

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the United States Sand control system Market.

Available Customizations:

With the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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