

## **Managed Pressure Drilling Services - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)**

Market Report | 2025-04-28 | 125 pages | Mordor Intelligence

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### **Report description:**

The Managed Pressure Drilling Services Market is expected to register a CAGR of 5.33% during the forecast period.

#### Key Highlights

- The constant bottom hole pressure is expected to be the largest market for managed pressure drilling services during the forecast period.
- Technological developments in managed pressure drilling techniques coupled with the adoption of industry 4.0 is expected to create new opportunities for the market players in the near future.
- North America is expected to dominate the managed pressure drilling services market owing to the shale gas boom and increasing production activities.

#### Managed Pressure Drilling Services Market Trends

##### Constant Bottom Hole Pressure Technology to Dominate the Market

- The constant bottom hole pressure segment is expected to have the largest market share during the forecast period. This growth is attributed to extensive utilization of the technology for drilling offshore wells across the United States, Gulf of Mexico as well as in other regions globally.
- Constant Bottom Hole Pressure (CBHP) is one the most widely-used managed pressure drilling (MPD) techniques. The main principle of the technology is maintaining a constant BHP during drilling in reservoirs where there is a narrow window between the

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pore pressure gradient and the fracture pressure gradient (0.5 -1.5 ppg) for the Equivalent Circulating Density (ECD) of the drilling mud, and the reservoir permeability is high.

- Due to the high capital investment, this technology is primarily employed in massive offshore fields with high production capacities. Hence, the demand for the technology is expected to rise in regions such as the Gulf of Mexico, Offshore West Africa (Niger Delta), Brazil Offshore, the Middle-East and South-East Asia.
- The technology is also used to overcome other operational challenges such as non-productive time is wasted by lost circulation or gas influxes in the high-pressure procedures and formations.
- Therefore, based on the above-mentioned factors, the constant bottom hole pressure segment is expected to dominate the MPD market over the forecast period.

#### North America to Dominate the Market

- With the highest natural gas production and second highest oil production in 2020, North America is one of the major oil and gas producers in the world, which is mainly driven by the oil and gas activities in the United States and Canada.
- Development of shale gas in this region is also one of the biggest driver for the managed pressure drilling market, since unconventional wells have extreme drilling conditions which can be done efficiently only with special techniques such as managed pressure drilling.
- According to the United States Energy Information Administration (EIA), in 2020, United States dry shale gas production was estimated about 26 trillion cubic feet (Tcf), which is equal to about 78% of the country's total dry natural gas production in 2020. Furthermore, EIA has also estimated that the shale gas and tight oil plays production in the United States is likely to reach 33.94 Tcf by 2050, registering a steady growth of 1.28% annually, when considered between 2020-2050.
- On the other hand, Canada is expected to increase the share of tight and shale gas in the natural gas production. According to the Canada Energy Regulator, by 2035, it is expected that tight and shale gas production together will represent 80% of Canada's natural gas production.
- Apart from shale gas, the region is also witnessing a significant increase in the offshore drilling activities. In January 2020, the Government of Canada approved three offshore drilling projects in the Atlantic Ocean, planned by BHP, Equinor, and Chevron, respectively.
- Therefore, based on the above-mentioned factors, North America is expected to dominate managed pressure drilling services market during the forecast period.

#### Managed Pressure Drilling Services Industry Overview

The managed pressure drilling services market is moderately fragmented. Some of the key players in this market include Halliburton Inc, Weatherford International PLC, Schlumberger Limited, National Oilwell Varco, and Nabors Industries Ltd.

#### Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

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