



SETTING THE STANDARD

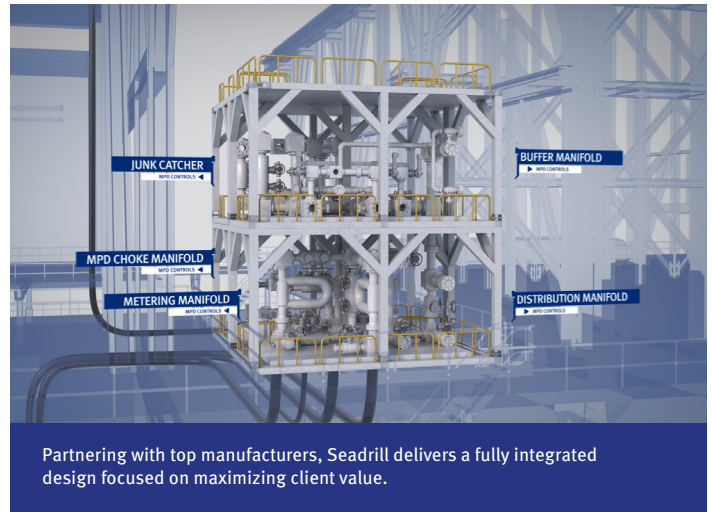
Managed Pressure Drilling (MPD)

SETTING THE STANDARD - MANAGED PRESSURE DRILLING - OCTOBER 2024

Seadrill 



Our MPD system ensures a streamlined workspace and easy installation, with equipment and pipe runs pre-planned for efficiency.



Partnering with top manufacturers, Seadrill delivers a fully integrated design focused on maximizing client value.

Introducing Seadrill Managed Pressure Drilling (MPD)

Seadrill MPD provides our customers with substantially improved efficiency, accuracy, and automation, all while reducing construction expenses and ensuring unprecedented protection against drilling hazards. This operational standard has coined a new term in our industry: **Enhanced Primary Well Control**.

At Seadrill, we're dedicating resources to an MPD service aimed at enhancing drilling safety and efficiency. This service is governed by advanced drilling methods and protocols that seamlessly incorporate MPD into our global operations.

Why Seadrill MPD?

Our fully integrated approach means we can offer MPD alongside conventional drilling operated by our own crews that have undergone the industry's most comprehensive, immersive, state-of-the-art training. As the owner and operator, our system offers the most efficient layout, integration, and flexibility possible. Our clients will benefit from an optimized service that offers increased productivity through intelligent integration of the system components with our MPD operations and managed by an expanded set of Seadrill processes and procedures.

How MPD Works

MPD offers a more comprehensive understanding of the drilling environment with greater, more accurate control of pressure within the wellbore, delivering improved levels of safety. Our strategic partnerships with the industry's leading MPD controls providers allow Seadrill the flexibility to utilize the latest controls technology giving our drillers automated and predictive well control when working in MPD mode. Enhanced surge/swab management, the ability to simulate each well section and better-planned longer casing strings, are just some of the benefits on offer.

Onboard, our system offers a decluttered working environment with simplified installation procedures, following predetermined equipment layouts and pipe runs. Seadrill has worked with leading manufacturers on a fully integrated design that maximizes client benefits.



The Drillers Development Program and Rig Senior Management course at the Seadrill Academy in Dubai are internal training programs aimed at enhancing the skills of drilling crews.

Training

We believe that the best MPD service must partner advanced technology with the most highly qualified people. Seadrill's state-of-the-art training facilities employ fully immersive simulation training designed to replicate all aspects of MPD operations in a controlled learning environment through a hands-on, scenario-based approach. Our crews are also trained in the teamwork and decision-making skills necessary for managing the daily challenges they could face.

Benefits to the Client

Enhanced Safety:

- Improvement in safety process with additional barriers for well monitoring and well control

Operational Efficiency and Cost Savings:

- Our selection of Oil States Industries (OSI) integrated riser joint (IR) significantly reduces rig setup, teardown, and testing times compared to current legacy systems
- Improved control of bottom hole conditions provides drilling process optimization resulting in significant well cost savings
- Reduced intermediate casing needs and faster well completion for lower total well costs

Reduced Environmental Impact:

- Handle riser gas without the need to divert overboard
- Reduced carbon footprint per well with greater drilling efficiency in reaching well targets
- Elimination of wasted drilling fluids from lost circulation situations



Seadrill is setting the standard in deepwater oil and gas drilling. With its modern fleet, experienced crews, and advanced technologies, Seadrill safely, efficiently and responsibly unlocks oil and gas resources for national, integrated, and independent oil companies.

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