

AES DRILLING FLUIDS

COMPANY OVERVIEW



AES Drilling Fluids

Leading the Drilling Fluids Market

AES Drilling Fluids services the United States market, providing drilling fluids systems and products throughout major unconventional shale plays and the Gulf Coast. Our success is a result of quality products, innovative solutions, and unmatched customer service. From the well site to the customer office, AES Drilling fluids is prepared to successfully deliver on any challenging project.

Customer service is central to our success. AES strives to build and maintain relationships with our customers to stay ahead of their needs, as drilling programs grow. From single well projects to extensive drilling campaigns, the people at AES have the experience to provide products and recommendations that minimize costs.

As part of the CES Energy Solutions family, AES Drilling Fluids designs and manufactures products specifically for customer needs, while ensuring product quality and reliability. From raw materials to finished product, AES has the expertise and resources to serve our customers.

AES continues to grow with the success of our customers, expanding, upgrading, and adding to our infrastructure to ensure timely delivery of critical products in the areas our customers operate.



Our Vision

To be the premier fluid provider and manufacturer, most admired for our people, performance, and trust

Our Mission

To deliver competitive and honest service for our customers by providing leading drilling and production fluid technologies to support our customers' goals of exploring for oil and gas resources vital to the world's health and welfare

Our Values

PEOPLE AND PASSION by respecting diversity in thought, practice and culture

INTEGRITY AND TRUST by acting with the highest level of ethical standards while honoring our promises and obligations to work, family, faith and community

LEADERSHIP by placing the success of our customers before ours while being proactive in all our actions

COMMUNICATION by continuously working towards understanding the needs and desires of our customers

COMMERCIAL FOCUS by recognizing and executing our strategy while safeguarding the long-term interests of our customers



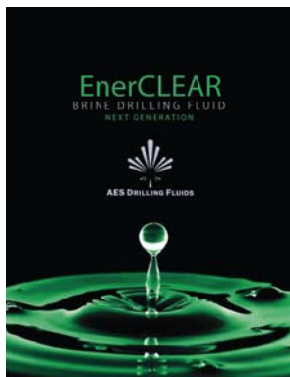
Solutions

AES Drilling Fluids has developed a suite of fluids systems and products for our customers, from conventional offerings to fit-for-purpose solutions engineered to unique challenges. In combination with our expertise and experience, customers save millions in time and money.

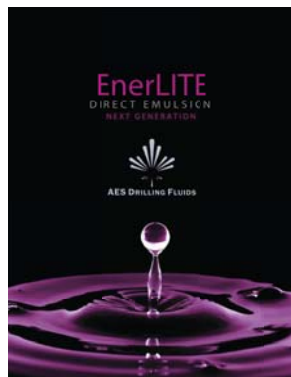
In the Northeast shale plays, our AES VERT invert emulsion system continues to deliver record wells featuring horizontal intervals beyond 20,000 feet. In the Permian Basin, our EnerLITE system has eliminated the need for a second intermediate casing string, resulting in over \$800,000 in savings per well. Each product and fluid system in our toolbox is designed for customer applications to enhance basic efficiencies or deliver increasingly complex wells.

Beyond the systems highlighted below, AES provides custom formulations designed for workovers, coiled tubing drilling, and drill-in applications. Our flexibility and knowledge enables us to generate solutions quickly and efficiently through standard solutions or new chemistry for a unique challenge.

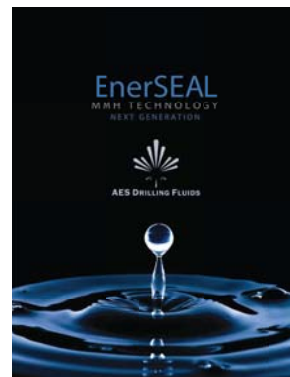
Water-Based Drilling Fluid Systems



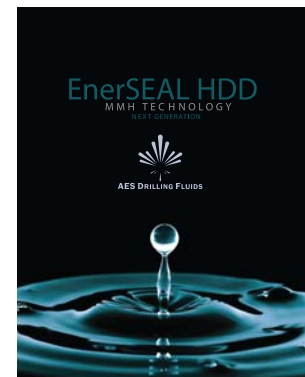
EnerCLEAR[†]
Brine Drilling Fluid



EnerLITE[†]
Direct Emulsion System

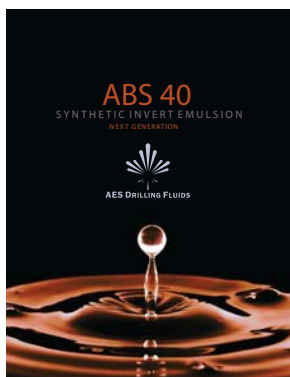


EnerSEAL[†]
MMH Drilling Fluid

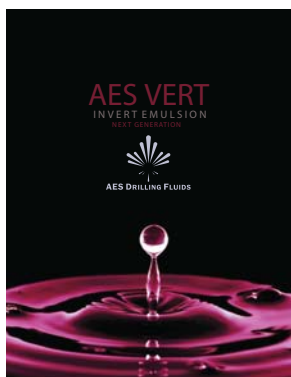


EnerSEAL HDD[†]
MMH Drilling Fluid for
Trenchless Applications

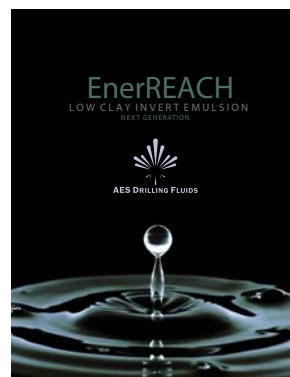
Invert Emulsion Drilling Fluid Systems



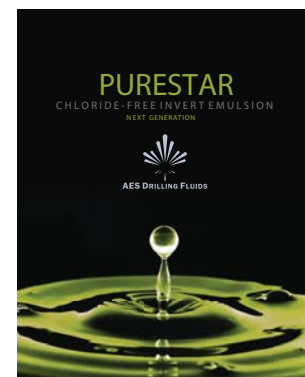
ABS 40[†]
Blended Synthetic
System



AES VERT[†]
Invert System



EnerREACH[†]
Polymeric Invert System



PURESTAR[†]
Chloride-Free System



Solutions (Continued)

AES Drilling Fluids offers a wide range of specialty products, including lost circulation material and lubricants for reliable drilling in challenging conditions. We continually develop new products, including custom products for specific customer needs and well-specific situations.



Custom additive blends prevent and cure losses

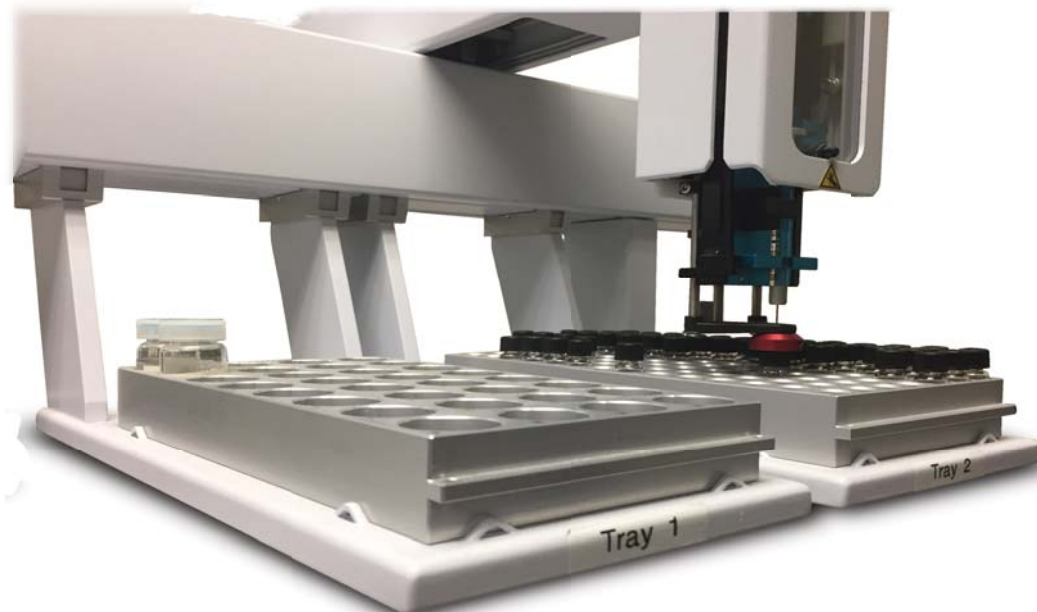


Lubricant additives extend well lengths and aid casing runs

Technology

AES Drilling Fluids continues to develop cutting-edge products to further lower costs and address customer issues. Throughout AES and the CES Energy Solutions family, our research departments feature sophisticated equipment and accomplished scientists providing answers at the molecular level that scale to rigsite results.

New technologies stem from ongoing initiatives as well as partnerships with our customers. AES is constantly seeking new, innovative products while enhancing its existing portfolio with improvements in cost efficiency and performance. We are constantly expanding our capabilities to bring the latest solutions to our customers.



Service

AES Drilling Fluids defines its success through the service we deliver to our customers. From strategic placement of infrastructure for minimized lead times, to the experienced account managers providing timely answers to questions, AES is fully prepared to offer comprehensive service.

Our experienced rigsite personnel are supported by area field supervisors that regularly visit nearby rigs for added support and oversight. In the office, technical and account managers monitor daily reports, track product consumption and costs, and provide daily updates on activity. These regular lines of communication and supervision maintain focus on customer priorities and ensure potential issues are identified and addressed. AES Drilling Fluids maintains dedicated facilities in key areas throughout the United States to support operations and minimize lines of transportation. We continue to expand our facilities and introduce new locations to complement our customer's operational footprint.



New product development, complex troubleshooting and detailed testing are performed at our extensively equipped Houston Support Services lab. Powerful tools including x-ray diffraction (XRD), gas-chromatography/mass spectrometry (GC-MS) and Fourier transform infrared (FTIR) spectrometry are present in-house to accelerate response times and provide comprehensive analysis.

These systems aid in not only quality control, but also function as key investigative tools for downhole equipment issues or other complex challenges which may or may not be fluids related. For example, debris may be characterized between formation, fluid components or other solids. Quick answers prevent repeat issues and identify the root cause of problems.



FTIR Analyzer



High Pressure, High Temperature Viscometer

We position our 24 hour on-call Support Services labs near operating areas to test field samples and pilot test solutions, limiting the time necessary to provide results and quickly identify treatment recommendations. Liquid mud plants feature dedicated labs with 24-hour onsite or on-call fluid specialists to perform quality checks as blends are prepared for the field.



Quality

Our unique position as both a provider and manufacturer of products allows us to maintain custody of our products throughout their life cycle. This enables greater supervision during the production phase and complete knowledge of the composition, extending product reliability. Sourcing raw materials provides greater control of costs without compromising performance.

Quality controls throughout our operating systems facilitate timely and reliable delivery of materials as they are needed at the rigsite with reliable inventory management and invoicing. We partner with proven transportation companies to send materials safely and consistently. Our team understands the nature of our business and is ready to address urgent deliveries requiring quick turnaround.



Reactors at JACAM facility



Superior Weighting Products grinding mill

Health, Safety, and the Environment

AES remains committed to the health and safety of everyone, everywhere we work. We set high standards for our people to not only participate, but lead in working safely. Our dedicated health and safety staff regularly audit our work locations to insure that everyone we work with is properly trained and equipped to return home safely to their family and friends. We actively work with our customers to enhance safety programs and design solutions to minimize risk.

Our commitment to the environment extends beyond minimizing exposure of our products to our personnel. AES is also conscious of the air, water, and soil surrounding our wellsite operation. Proper storage and protection of our products, as well as awareness of potential risk factors, prevent exposure to the elements.



The CES Energy Solutions Family

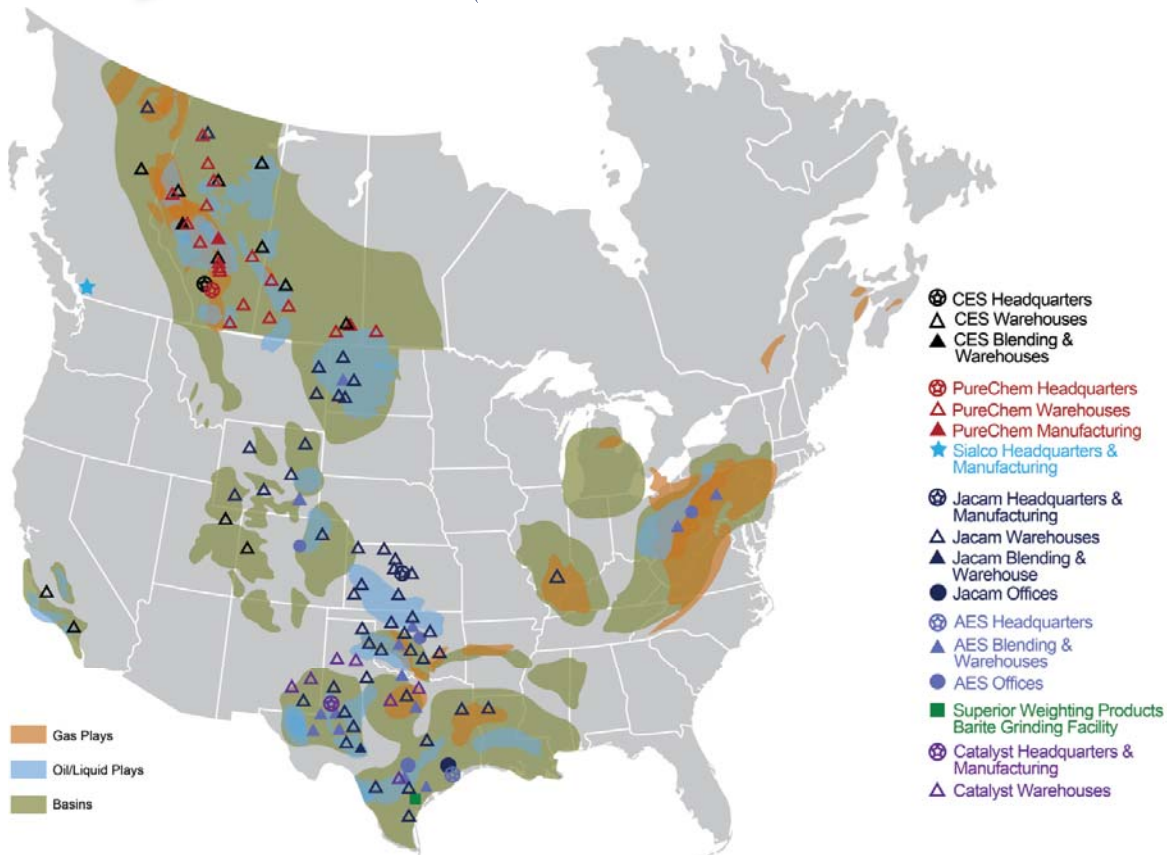
The CES Energy Solutions family provides the full cycle of consumable chemical solutions to the energy industry, from drilling and stimulation to production and midstream. Businesses operate separately to focus on the unique challenges and needs of their customers while sharing expertise and resources where beneficial.

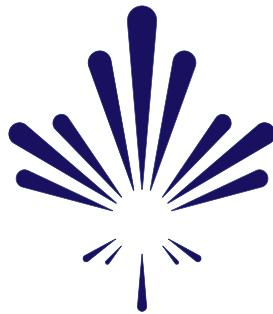


Canadian Energy
SERVICES



AES DRILLING FLUIDS





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