

## Gilsonite in Oil Based Drilling Muds as FLC

Gilsonite is used in Oil Based Drilling Muds as a **FLUID LOSS CONTROL** agent called and categorized in several grades by difference of softening point into the below products: Gilsonite GM-P, Gilsonite XM-P, Gilsonite LM-P and Gilsonite HT Series. Gilsonite can be applied in Synthetic Based muds as well as Oil Base Muds. It reacts well in high temperature conditions. **Applying Drilling Gilsonite Grades (GM-P, XM-P, HT series and LM-P) releases its Bituminous Oil content within**, which can result in efficient bonding alongside the wellbore to prevent the passage of drilling mud.

Iran Gilsonite has different quality and types, while only two grades of Iranian Gilsonite is suitable for FLC application and both are supplied by Zista Group; matching the same performance of Gilsonite XM-P and Gilsonite GM-P. These products have been tested and succeeded for years in China, India & GCC countries and in South American countries including Mexico and now they are replacing the American Gilsonite grades (XM-P, LM-P, GM-P & even HT series) vastly; since they pass the USA Standard Tests for Drilling Muds which are commonly used around the globe. *(Zista Gilsonite test results can be provided upon request)*. Here is a comparison of Iranian Gilsonite with American Gilsonite XM-P and other grades along with using of Chinese Sulfonated Asphalt in the Oil Drilling Muds:

Item	Fluid Loss Control	Wellbore Stabilization	Minimal Odor	Cost Effectiveness
American Gilsonite (GM-P, XM-P, LM-P, HT...)	Yes	Yes	Yes	No
Zista Drilling Gilsonite	Yes	Yes	Yes	Yes
Sulfonated Asphalt	Yes	Yes	No	No

While Using American Gilsonite GM-P is very cost-effective comparing to alternatives, Iranian Gilsonite can perform at relatively same level with even more economical price range than American Gilsonite costs giving the mud manufacturers a big leverage on optimizing the production in the current challenging oil market.

**Zista Group** supplies Drilling Gilsonite grades under the brand of **ZITUMEN** in different packaging including 25 Kg Paper/PP Sacks and Jumbo Bags. Our Drilling Gilsonite Grade GM-P and Gilsonite XM-P is approved under NIOC WQTE 452/5200 regulatory and also has been certified In GCC & China.

For more information please do not hesitate to contact us; [info@zistagilsonite.com](mailto:info@zistagilsonite.com)