GameChanger
Drilling Dynamics Data
Software Platform

SANVEAN®
TECHNOLOGIES
A Business Unit of Turbo Drill Industries, Inc.

DATA INTERPRETATION

With well intensity increasing in the shale environment, a user-friendly and efficient solution is necessary to be able to view and interpret downhole drilling dynamics data. Drilling Engineers do not have time to prepare data into a useable format for interpretation, and using raw data to generate spectral images is complex and time consuming.

Drilling dynamics data needs to be delivered in a useable format in order to improve the data viewing experience and interpretation time. Historically it has taken the end-user significant time to locate and merge files.

GAMECHANGER

GameChanger is a software platform specifically designed by Sanvean Technologies for merging and displaying downhole drilling dynamics data and surface EDR data. This gives in-house processors the ability to quickly merge files into a format required by the client. Once a dataset is compiled, the client can easily open using GameChanger viewer to quickly view and analyze the data. And template designs can be customized to client specifics, or data can be easily generated into a standard template which can be processed quickly to improve data delivery time.

GameChanger Viewer is available to customers who run CuBIC® Drilling Dynamics Sensors. The software enhances the customers' experience by providing a fast viewing experience. Unlike traditional PDF logs, the GameChanger Viewer allows the operator to zoom in on regions of interest to clearly see signal patterns and sensor response.

Spectral images of frequency are output as standard from GameChanger to identify key frequencies at the bit and BHA. Multiple data sets can be over-laid on depth for well to well and pad to pad comparison.

FEATURES
- Track and trace format tailored specifically to customer requirements
- Data can be viewed in time- or depth-based
- Overlay multiple wells or pads on depth for performance comparisons
- Vibration and gyro frequency spectrum to identify critical frequencies
- Zoom in on depth, time, and parameter scales to analyze signal response

BENEFITS
- CuBIC data delivered as one file set that can be opened and viewed quickly in GameChanger viewer
- CuBIC end user does not waste time merging data— final product is ready for use
- Can be used for evaluation of drilling dynamics performance, and tool failures
- Generates single page Exception Reports for "quick look" at run drilling statistics
- Generates PDF logs highlighting regions of drilling dynamics concerns
- Enables rapid drilling dynamics data review and analysis for quick decisions

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