



Derrick Screens Outperform the Competition

Derrick PMD™ DX™ 175 vs. Southwest Wire Cloth XR 210

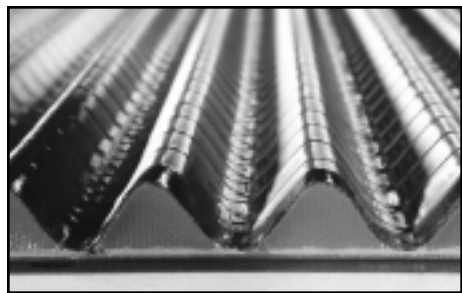
Operator: **Pioneer Natural Resources**
 Contractor: **Greywolf Drilling (Rig #454)**
 Location: **Ramirez #3, Zapata County, Texas**
 Drilling Consultant: **Dana Martin**

In an effort to remove low-gravity solids from a drilling mud which contained 18% solids by volume, drilling consultant Dana Martin conducted a test comparing the Southwest Wire Cloth XR 210 screens and the Derrick Pyramid (PMD™) DX™ 175s.

Southwest XR 210 screens were installed on a Derrick Flo-Line® Cleaner AWD which had previously been using Derrick PWP™ 175 screens. Within 6 hours of the screen change, the solids content of the drilling fluid rose from 18% to 24% due to an increase in low gravity solids. The increase in low gravity solids drove the mud cost up from \$1,500 to almost \$4,000 per day.

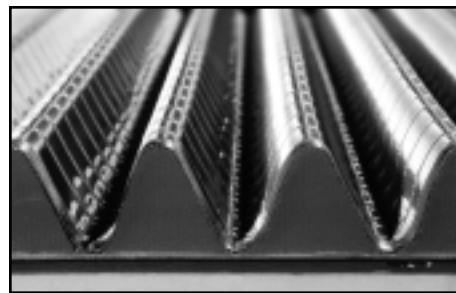
Due to inferior performance, the XR 210s were replaced with Derrick PMD DX 175s. Within two days, the solids content dropped to 16% without excessive dilution. **SUBSEQUENT MUD COSTS FELL BY 82% !!**

The conclusion reached by Pioneer Natural Resources and Mr. Martin was that *Southwest's XR 210 screens did not remove as many solids as the Derrick PMD DX 175 screens*. The increase in solids content and subsequent mud cost increase was directly attributed to the poor performance of the XR 210 screens.



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