



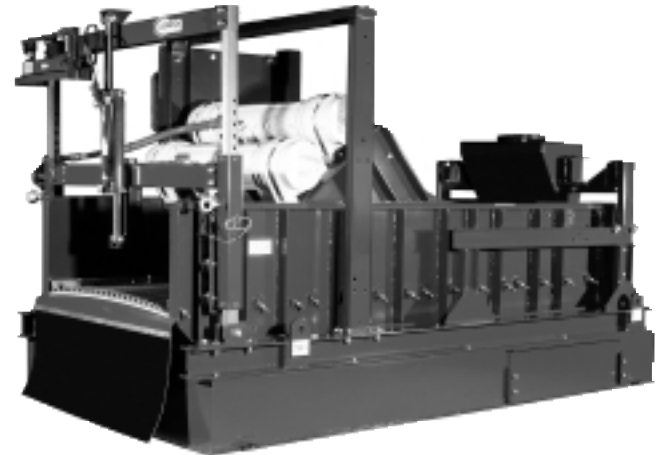
FLC 2000™ 4 - Panel

Exceeds Performance Records by 100%

POWERED BY



The attached field data shows the performance capability of a single Derrick FLC 2000 4-panel shaker powered by Super G™ motors when operating directly on the flow line. In a test for a major operator in South Texas, the FLC 2000 4-panel exceeded all previous performance records by more than 100%. The FLC 2000 4-panel shaker removed 30% of all drill solids generated during the spud section of the 20" hole being drilled at a rate of 200 ft/hr. During the intermediate hole section, the same 4-panel shaker removed in excess of 51% of all drill solids that were generated from the 14 ³/₄" hole being drilled at a rate of 51 ft/hr. **When used in conjunction with Derrick's Pyramid® DX™ 210 screens, the FLC 2000 4-panel processed over 900 gallons per minute.**



Derrick FLC 2000 4-panel equipped with Super G vibrating motors and patented Pyramid screens.

Field Data

Screen Test	Mud Discard (gpm)	Solids Discard (gpm)	Solids Generated (gpm)	Circulating Rate (gpm)	R.O.P. (ft/hr)	Hole Size (inches)	Mud Weight (lb/gal)
Derrick PWP™ DX™ 84	13.34	16.0764	54.4216	979	200	20	9
Derrick PMD+™ (2) PMD (2) DX 140	6.76	5.7972	27.7551	979	102	20	9
Derrick PMD+ (3) PMD (1) DX 175	3.89	2.404	4.7361	920	37	14.75	9
Derrick PMD+ (3) PMD (1) DX 210	4.56	3.7974	7.4001	920	51	14.75	9.1

Test Results

TEST #1

A single FLC 2000 4-panel was fitted with four PWP™ DX™ 84 screen panels and adjusted to 3° uphill. During spud in with a hole size of 20" and a penetration rate of 200 ft/hr, 54,4218 gpm of drill solids were circulated to the surface by 924.5 gpm of 9.0 lb/gal water base drilling fluid for a total circulating rate of 979 gpm. The FLC 2000 4-panel was able to remove 29.5% (16 gpm) of the total drill solids reporting to the surface even though it was unable to process the full circulating rate.

TEST #2

A single FLC 2000 4-panel was fitted with two PMD+™ and two PMD™ DX 140 screen panels and adjusted to 3° uphill. During spud in with a hole size of 20" and a penetration rate of 102 ft/hr, 27,7551 gpm of drill solids were circulated to the surface by 951.24 gpm of 9.0 lb/gal water base drilling fluid for a total circulating rate of 979 gpm. The FLC 2000 4-panel was able to remove 20.9% (5.7972 gpm) of the total drill solids reporting to the surface even though it was unable to process the full circulating rate.

TEST #3

A single FLC 2000 4-panel was fitted with three PMD+ and one PMD DX 175 screen panels and adjusted to 4° uphill. During the intermediate section with a hole size of 14.75" and a penetration rate of 37 ft/hr, 4,7361 gpm of drill solids were circulated to the surface by 910 gpm of 9.0 lb/gal water base drilling fluid for a total circulating rate of 915 gpm. The FLC 2000 4-panel was able to remove 50.76% (2.404 gpm) of the total drill solids reporting to the surface while processing the full circulating rate (915 gpm).

TEST #4

A single FLC 2000 4-panel was fitted with three PMD+ and one PMD DX 210 screen panels and adjusted to 5° uphill. During the intermediate section with a hole size of 14.75" and a penetration rate of 51 ft/hr, 7,4001 gpm of drill solids were circulated to the surface by 908 gpm of 9.1 lb/gal water base drilling fluid for a total circulating rate of 915 gpm. The FLC 2000 4-panel was able to remove 51.3% (3.7974 gpm) of the total drill solids reporting to the surface while processing the full circulating rate (915 gpm).

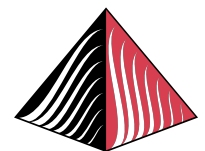
SUMMARY

The FLC 2000 4-panel is powered by two Super G vibrating motors, allowing it to produce a continuous 7.3 G's of linear motion force. When equipped with Derrick's three-dimensional Pyramid Plus (PMD+) screens, the FLC 2000 4-panel offers 47.6 square feet of screen area available for screening as per API RP-13E. Two FLC 2000 4-panel shakers powered by Super G motors can be used in place of three or four standard linear motion shale shakers. When coupled with Derrick's Flo-Line Primer, they can replace three to four stacked or cascade shakers. This combination offers the latest in high performance solids control technology while providing a complete package that will easily fit in existing rig space.

An Integral Part of the High  Solution



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PYRAMID™ SCREEN