

Hole size	22 in
Section MD	2,735–6,245 ft [834–1,903 m]
Formation	Sandstone, limestone, and clay
Average flowrate	1,000 galUS/min [3.79 m <sup>3</sup> /min]
Average ROP	50 ft/h [15.24 m/h]
Drilling fluid	Oil-base drilling fluid

**Background**

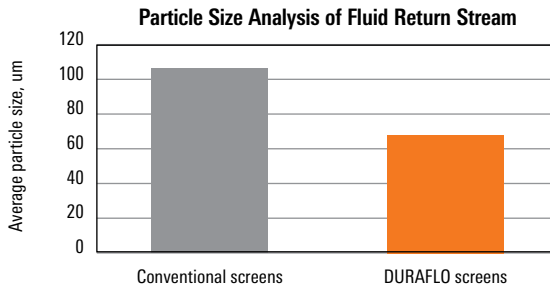
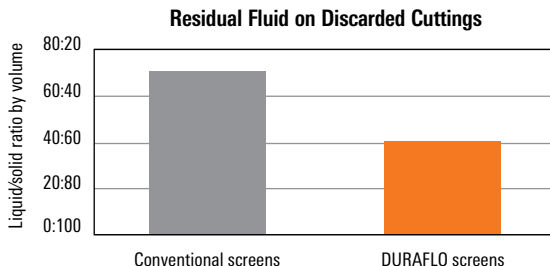
To compare the solids-removal efficiency of M-I SWACO screen technology with the performance of a conventional screen, an operator requested a full vibratory systems analysis test on three BRANDT™ KING COBRA™ shakers. DURAFLO® composite replacement screens and conventional screens were tested side by side with equivalent shaker deck angles and flow rate. Screen replacement, gasket conditions, mesh wear, solids removal rates, and particle size analysis were recorded and compared.

**Technology**

DURAFLO composite replacement screen

# DURAFLO Screens Remove 30% More Solids, Screen Finer, and Save USD 15,000 on Disposal Costs

Testing demonstrates improved efficiency versus conventional screens



Particle size of the liquid return stream demonstrates that the DURAFLO screens discarded more solids with a tighter, cleaner cut point compared with the conventional screens. The DURAFLO screens reduced discard weight from 1,000 lbm to 700 lbm, saving an estimated USD 50 per barrel and USD 15,000 total in disposal costs.