

BRANDT Premium X-tended Life Screen Proves Cost Efficient and Durable

Challenges

- Decrease amount of screens used per well without sacrificing performance
- Increase drilling efficiency and reduce downtime

Well Information

- Location: Marcellus/Utica shale

Solution & Results

- Convert from existing competitor screens to BRANDT Premium X-tended Life screens, offering greater durability for specific mud conditions
- Decreased downtime and amount of screens per well
- Reduced LGS and alleviated costs related to wear and tear on pumps



An operator in the Marcellus/Utica shale needed to drastically reduce downtime and well costs associated with their solids control system and needed to ensure that the system could withstand the harsh formations in the region.

The operator was previously going through 14-15 shaker screens per well and only achieving 8-11 percent low gravity solids (LGS). Reducing downtime associated with changing screens and reducing the number of screens consumed became a major focus for the operator as these issues contributed to higher overall cost.

NOV FluidControl recommended BRANDT Premium X-tended Life (PXL) screens, which have been specifically designed to offer more durability and hold a truer cut-point throughout the life of the screen. This innovative design provides greater screen life and resistance to plugging while maintaining maximum flow capacity.

After making the switch to PXL screens, the operator only consumed 8-9 screens per well, outlasting all others subjected to the salt and polymer muds

being used. The screens also reduced LGS by approximately 4 percent, which allowed for cleaner mud to run through pumps and lines and reduced wear and costs associated with part replacement for pumps. Additionally, the efficiency of downstream equipment improved as a result of the PXL screen's solids control capability. Since screen change outs were reduced, downtime was decreased and personnel had fewer opportunities to handle screens, which made QHSE issues less probable due to mishandling.

The operator saved approximately \$80,000 per well as a result of reduced screen usage, reduced dilution, reduced wear and tear on pumps and reduced need for pump replacement parts coupled with adjustments made to rig operation. The operator also expressed a commitment to use PXL screens exclusively.

Contact a NOV FluidControl representative to learn more about PXL screens and other solids control solutions.

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