

Well type	Tight gas
Drilling fluid	Oil-base mud

### Background

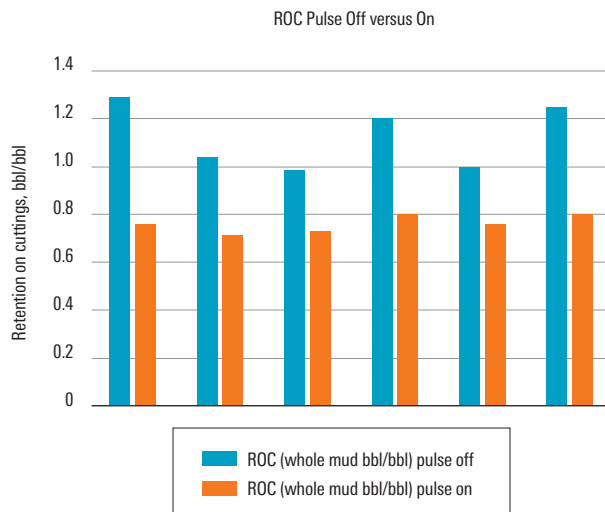
An operator in the Pinedale Anticline was drilling with an oil-base fluid to combat clay swelling and improve drilling time. To minimize the waste, costs, and HSE risk associated with oil-base fluid, the operator wanted to reduce the volume of fluids being lost to the drilled solids. M-I SWACO recommended the SCREEN PULSE\* fluid and cuttings separator, which strips cuttings of free drilling fluid to meet or exceed the US Environmental Protection Agency (EPA) paint filter liquids test requirements for screening waste.

### Technologies

SCREEN PULSE fluid and cuttings separator

# Fluid and Cuttings Separator Reduces Mud Retention on Cuttings 32%, Saving USD 1,497 per Day

SCREEN PULSE separator recovers more than 33,500 lbm of oil-base drilling fluid for Pinedale operator



*The operator deployed the SCREEN PULSE separator for Derrick FLC 500 Series shakers onto a Derrick FLC 504 shaker that used high-capacity composite shaker screens. Using pulsating suction technology instead of friction, the SCREEN PULSE separator reduced whole mud retention on cuttings (ROC) by an average of 32% and oil on cuttings (OOC) by an average of 18%. This saved the operator approximately 5,609-lbm drilling fluid and USD 1,497 in fluid costs and disposal fees per day.*