Shale Shaker — Performance Audit Sheet

One sheet per shaker bank, completed while circulating at representative rate.

Rig / unit: _____	Date: _____	Shift: ■ Day ■ Night	Inspector: _____

1 · Screens on the deck (record what is actually fitted)

Position	API number (RP 13C label)	Hours in service	Condition
Panel 1	_____	_____	■ Good ■ Damaged ■ Blinded
Panel 2	_____	_____	■ Good ■ Damaged ■ Blinded
Panel 3	_____	_____	■ Good ■ Damaged ■ Blinded
Panel 4	_____	_____	■ Good ■ Damaged ■ Blinded

2 · Machine & process

Check	Reading	Standard / note
Flow coverage (fluid endpoint)	____ % of deck length	Target 75–80%; <60% = screen finer, ~100% = flooding risk
Flooding / overflow	■ None ■ Intermittent ■ Constant	Any flooding sends whole mud over the end
G-force check	Stroke ____ in × RPM ____ ² ÷ 70,400 = ____ G	Typical linear machines ~6.5–7.5 G
Deck angle	_____	Record; compare to yesterday
Bypass gate	■ Closed & sealed ■ OPEN	Open bypass voids the whole audit
Discharge condition	■ Conveying steadily ■ Piling ■ Wet & flowing	Wet discharge on WBM = screens too fine or flooding

3 · Verdict

The bank passes only if: finest program screen fitted · 75–80% coverage · zero damaged panels · bypass closed. Anything else is solids going downstream to machines that cost more per barrel to run. Full guide: scdrilltech.com/equipment/shale-shaker.html