



# Solids-Control Rig Start-up — Commissioning Checklist

Run before spud or after any rig move. Every unchecked box here becomes a dilution bill later.

Rig / unit: _____	Date: _____	Shift: <input type="checkbox"/> Day <input type="checkbox"/> Night	Inspector: _____
-------------------	-------------	--	------------------

## System & pits

✓	Check item	Finding / action
<input type="checkbox"/>	Pits cleaned and inspected — no set cement, cuttings beds or trash	
<input type="checkbox"/>	Valve line-up walked and tagged: no open bypass, no cross-flow between active/reserve	
<input type="checkbox"/>	Agitators run-tested in every active pit; rotation correct	
<input type="checkbox"/>	Instrumentation: pit-level sensors, flow-show and alarms function-tested	

## Shale shakers

✓	Check item	Finding / action
<input type="checkbox"/>	Screens per drilling program fitted; API numbers recorded per panel	
<input type="checkbox"/>	Panels tensioned to spec; deck rubbers/seals in place	
<input type="checkbox"/>	Motors: rotation correct, no abnormal vibration on test run	
<input type="checkbox"/>	Bypass gate closed, sealed and tagged	

## Degasser

✓	Check item	Finding / action
<input type="checkbox"/>	Vacuum test passed; level control set; discharge routed correctly	
<input type="checkbox"/>	Vent line clear and routed to a safe area	

## Hydrocyclones & mud cleaner

✓	Check item	Finding / action
<input type="checkbox"/>	Correct cone count/size fitted (desander 6–12", desilter 4"); apexes clear	
<input type="checkbox"/>	Feed head verified by gauge at design ( $\geq 75$ ft; $h \approx 19.2 \times P \div MW$ )	
<input type="checkbox"/>	Mud cleaner screen fitted (weighted mud) — API number recorded	
<input type="checkbox"/>	Suction/discharge line-up correct for each bank — no short-circuit	



### Decanter centrifuge(s)

✓	Check item	Finding / action
■	Test run at duty settings; bowl/differential speeds verified	
■	Feed pump calibrated; torque and vibration baseline recorded	
■	Flush water available at the unit; e-stop tested	

### Baseline & records

✓	Check item	Finding / action
■	Baseline mud check recorded: MW, PV/YP, gels, retort, MBT, sand	
■	Discard logging sheets in place (volume & density, every day)	
■	This checklist signed and filed with the pre-spud package	