RIG: SONGA VENUS

RIG
Songa Venus

Type
Jack-up RIG AC

Location
Off-shore Qatar

Contractor
Noble Drilling

Operator
Shell

Top Drive System
- Model: Tesco 1350ECI
- Deliverer: TESCO
- Total Power: 1150 HP
- Drilling motor: GEB 20 AC (PM motor)
- VFD: MD500

EPST implementation
July 2010

Specials
- Analog I/O interface
- Serial controller

Added functionality
- Auto WOB
- Auto ROP

EPST PERFORMANCE ON/OFF
- For ON low torque amplitude
- For OFF high amplitude = stick-slip

SHELL CONCLUSIONS:
- Severe stick slip observed during 8.5” run
  With NO EPST up to 15kNm T amplitude
- Soft Torque
  - EPST successfully installed
  - EPST effective most of the time in suppressing stick-slip