

WEIGHTS & MEASURES EQUIPMENT REGISTRATION DETAILS

Main Site / Location of Equipment	BONGA FPSO
State	Lagos State
Terminal Contact Persons Name	Joseph Isodje/Emma Udoifa
Contact Person Email Address	UIG-Bongaintsup@shell.com
Contact Person Telephone number	2348070269412

NAME OF COMPANY	Shell Nigeria Exploration and Production Company (SNEPCo)
ADDRESS OF COMPANY	21/22 Freeman House Marina Lagos Lagos State

Instrument Category	Instrument Type	Unit of Measurement	Process Fluid Measured? Oil or Gas	Device Location	Serial Number	Tag or Other Reference Number	Manufacturer's Name	Instrument Model Number / Name	Date Last Calibrated	Authority Conducting Last Calibration	Serial Number of Last Calibration Certificate	Has the Device / Equipment an Initial or Periodic Verification Certificate from W&M Dept?	Tick to Apply for Pattern of Approval Certificate	Apply for Initial Verification Certificate
												Are Copies of Original Equipment Manufacturers Instruction / Service Manuals Available ? Yes/No	Are Copies of Original Equipment Manufacturers Type Approval / Patent Available ? Yes/No	Has the Device / Equipment a Pattern Approval Certificate from W&M Dept?
Measures of Volume	Helical Type Turbine meter	Cubic Meter	Oil	LACT (oil export stream 1)	900959	27-FE-304	Faure Herman	TZ 400-4000 N (TURBINE METER)	06/03/2014	Bonga Metering & witnessed by DPR REP	Linearity calibration Checks	No	No	v
Measures of Volume	Helical Type Turbine meter	Cubic Meter	Oil	LACT (oil export stream 2)	9010098	27-FE-324	Faure Herman	TZ 400-4000 N (TURBINE METER)	01/04/2014	Bonga Metering & witnessed by DPR REP	Linearity calibration Checks	No	No	v
Measures of Volume	Helical Type Turbine meter	Cubic Meter	Oil	LACT (oil export stream 3)	9010098	27-FE-324	Faure Herman	TZ 400-4000 N (TURBINE METER)	28/06/2014	Bonga Metering & witnessed by DPR REP	Linearity calibration Checks	No	Yes	v
Pressure Measures	Pressure Transmitter	Barg	Oil	LACT (oil export stream 1)	7584936	27-PI-304	Fisher Rosemount	3051TG	21/06/2014	Bonga Metering (In house Calibration)	3 Monthly Calibration Checks	No	Yes	v
Pressure Measures	Pressure Transmitter	Barg	Oil	LACT (oil export stream 2)	7584937	27-PI-324	Fisher Rosemount	3051TG	17/07/2014	Bonga Metering (In house Calibration)	3 Monthly Calibration Checks	No	Yes	v
Pressure Measures	Pressure Transmitter	Barg	Oil	LACT (oil export stream 3)	7584938	27-PI-344	Fisher Rosemount	3051TG	31/08/2014	Bonga Metering (In house Calibration)	3 Monthly Calibration Checks	No	Yes	v
Temperature Measures	Temperature Element(RTD)	Degree C	Oil	LACT (oil export stream 1)	27-TE-304		Bush Beach Eng	BRT/S/M/A/4/6/655	21/06/2014	Bonga Metering	3 Monthly Calibration Checks	No	No	v
Temperature Measures	Temperature Element(RTD)	Degree C	Oil	LACT (oil export stream 2)	27-TE-324		Bush Beach Eng	BRT/S/M/A/4/6/556	17/07/2014	Bonga Metering	3 Monthly Calibration Checks	No	Yes	v
Temperature Measures	Temperature Element(RTD)	Degree C	Oil	LACT (oil export stream 3)	27-TE-344		Bush Beach Eng	BRT/S/M/A/4/6/657	31/08/2014	Bonga Metering	3 Monthly Calibration Checks	No	Yes	v
Bi-Directional prover Loop	Bi-Directional prover	Cubic Meter	Oil	LACT (Oil metering Prover skid)	01/AS/16/10	A-2741	Alderley			CAL009-010/2014	No	No	v	
Measures of Volume	Portable Guaging Tape Meters	Meters	Oil	Portable Equipment	24121	NA	MMC Europe	D-2401-2	18/02/2013	GCA Energy Limited	Yes	No	v	
Measures of Height	Portable Guaging Tape	Meters	Oil	Portable Equipment	24122	NA	MMC Europe	D-2401-3	18/02/2014	Plant Engineering Nigeria LTD	Yes	No	v	
Measures of Height	Set oil Test Centrifuge	BS&W (%)	Oil	BONGA LABORATORY	1022095		SETA	90000-3P	21/04/2014	RALEC Engineering	Yes	No	v	
laboratory Equipment												No	No	v