



# UIO G FLARING GOR CONTROL WAIVER

Serial No.: NES1/BONN002<sup>a</sup>

Date: 2015<sup>b</sup>/03<sup>c</sup>

Category<sup>d</sup>: Excess of GOR limit (3\*RSI or 5,000scf/b) ☐

Compressor-system outage ☐

NAG Flaring ☒

AG flaring ☐

others ☐

Waiver Start Date/Time: 20<sup>TH</sup> FEB 2015

Waiver End Date/Time: 13<sup>th</sup> APRIL 2014

Facility Name	Bonny Gas Plant (BONN 30, 31 & BONT 03, 04)
Flare (or AG) Volume <sup>e</sup> (mmscfd)	The 4 gas wells have a combined potential of 150 MMScf/d. During the cleanup/MRT Activity, a total of about 95 MMscf of gas is expected to be flared from the 4 gas wells.
Associated Oil Production <sup>f</sup> (mbopd)	The wells have a combined condensate potential of ca. 1800bopd.
Reason for flaring (or HGOR production)	<i>To enable successful execution of the clean-up and MRT proposed on the 4 newly drilled wells. The flaring will be temporary, and will only be necessary when the well being tested is producing below 35MMScf/d during the Clean-up/MRT, which is the minimum throughput for BNAG plant stability.</i>
Justification for waiver request	<ol style="list-style-type: none"> <li>The clean-up of the 4 Bonny NAG MRD wells prior to their production will ensure the protection of facilities in the gas plant and maintenance of customer specifications in gas supply by; <ul style="list-style-type: none"> <li>Acidizing the completion intervals and thus dislodge mud filter cake.</li> <li>Evacuating wells of drilling and completion fluid and other debris.</li> </ul> </li> <li>The MRT Tests for the 4 gas wells is carried out as part of effective well and reservoir management, to determine the fluid characteristics and to meet statutory requirements by; <ul style="list-style-type: none"> <li>Acquiring baseline bottom-hole pressure and temperature data.</li> <li>Evaluating the baseline reservoir properties such as k, kh, skin, non-Darcy skin and absolute flow potential.</li> <li>Acquiring surface production data to facilitate further evaluation of well performance</li> </ul> </li> </ol> <p><i>Estimated time is 6 weeks</i></p>

	Originator: Asset/Project/Area Dev. Mgr	Agreement: GM/Lead - (Asset/Project/Dev.)	Supported (SCiN only): GM Flared Gas
Name	Everitt, Tom	Kulawski Grzegorz. J.	Akosa Obi
Job Title	Development Manager	GM Onshore Assets	Production Services
Signature			
Date			

Approved by the GM Onshore Assets:

Signature and Date:.....

## Distribution List :

Gabon: Signatories + Asset Lead/Technical Manager/Operations Manager/Finance Manager/Head of Production  
Programming/Senior Production Programmer/Head of Planning & Economics/Head of HSE

Nigeria: Signatories + Operations Manager/Senior Operations Support Engineer/Senior Gas Accountant/Senior  
Programmer/Maintenance Systems Manager/ Production Surveillance and Support Manager.

<sup>a</sup> The request number specify district reference indicator and serial number from 001

<sup>b</sup> The year of the request

<sup>c</sup> The month of the request

<sup>d</sup> Please tick the appropriate box

<sup>e</sup> please specify amount of gas to be flared per day

<sup>f</sup> please specify potential net oil per day that would have been produced if the gas is flared