PETRONAS TECHNICAL STANDARDS

DESIGN AND ENGINEERING PRACTICE

TECHNICAL SPECIFICATION

TESTING OF WELL CEMENTS (ENDORSEMENT OF ISO 10426-2)

PTS 38.80.20.31

SEPTEMBER 2010

© 2010 PETROLIAM NASIONAL BERHAD (PETRONAS)

All rights reserved. No part of this document may be reproduced, stored in a retrieval system or transmitted in any form or by any means (electronic, mechanical, photocopying, recording or otherwise) without the permission of the copyright owner.

Documents
Document Sharing Hub

Full document details: PETRONAS 38.80.20.31 2004

PTS Circular 2010 – 1

PETRONAS

PTS No:	38.80.20.31
PTS Title:	Testing of Well Cements (Endorsement of ISO 10426-2)

This revision of PTS **38.80.20.31 – Testing of Well Cements (Endorsement of ISO 10426-2) (September 2010, Revision 1)** has been updated *either* to incorporate PETRONAS Lessons Learnt, Best Practice *and/or* new information issued by relevant industry code and standards. All updates in the document are highlighted in *italic* font.

The previous version of this PTS **38.80.20.31 – Testing of Well Cements (Endorsement of ISO 10426-2) (December 2004)** will be removed from PTS binder / e-repository from herein onwards.

The custodian of this PTS is:
Name: Mohd Zaki B. Ismail
Tel. No: 603-27836177

Please direct any questions regarding this PTS to the above-named.

Document Approval

	Name	Designation	Date	Signature
Prepared/ Reviewed	Mohd Zaki B. Ismail	Principal Chemist, Analytical Technology GTS	22/9/2010	
Approved	Bijay Kumar Nepak	Custodian, Process Engineering, GTS	22/9/2010	
Verified	Shahrul Izan Bakti B A Aziz	Senior Manager, Process Engineering, GTS	22/9/10	
Verified	Pau Kiew Huai	General Manager, Engineering, GTS	24. 9. 10	
Endorsed	Sazali B Hamzah	Senior General Manager, GTS	29/09/10	

Revision History

Rev No.	Reviewed by	Approved by	Date
1	Mohd Zaki B. Ismail	Bijay Kumar Nepak	September 2010

AVA Documents
Document Sharing Hub

Full document details: PETRONAS 38.80.20.31 2004

PREFACE

PETRONAS Technical Standards (PTS) publications reflect the views, at the time of publication,of PETRONAS OPUs/Divisions.

They are based on the experience acquired during the involvement with the design, construction, operation and maintenance of processing units and facilities. Where appropriate they are based on, or reference is made to, national and international standards and codes of practice.

The objective is to set the recommended standard for good technical practice to be applied by PETRONAS' OPUs in oil and gas production facilities, refineries, gas processing plants, chemical plants, marketing facilities or any other such facility, and thereby to achieve maximum technical and economic benefit from standardisation.

The information set forth in these publications is provided to users for their consideration and decision to implement. This is of particular importance where PTS may not cover every requirement or diversity of condition at each locality. The system of PTS is expected to be sufficiently flexible to allow individual operating units to adapt the information set forth in PTS to their own environment and requirements.

When Contractors or Manufacturers/Suppliers use PTS they shall be solely responsible for the quality of work and the attainment of the required design and engineering standards. In particular, for those requirements not specifically covered, it is expected of them to follow those design and engineering practices which will achieve the same level of integrity as reflected in the PTS. If in doubt, the Contractor or Manufacturer/Supplier shall, without detracting from his own responsibility, consult the owner.

The right to use PTS rests with three categories of users:

1) PETRONAS and its affiliates.
2) Other parties who are authorised to use PTS subject to appropriate contractual arrangements.
3) Contractors/subcontractors and Manufacturers/Suppliers under a contract with users referred to under 1) and 2) which requires that tenders for projects, materials supplied or - generally - work performed on behalf of the said users comply with the relevant standards.

Subject to any particular terms and conditions as may be set forth in specific agreements with users, PETRONAS disclaims any liability of whatsoever nature for any damage (including injury or death) suffered by any company or person whomsoever as a result of or in connection with the use, application or implementation of any PTS, combination of PTS or any part thereof. The benefit of this disclaimer shall inure in all respects to PETRONAS and/or any company affiliated to PETRONAS that may issue PTS or require the use of PTS.

Without prejudice to any specific terms in respect of confidentiality under relevant contractual arrangements, PTS shall not, without the prior written consent of PETRONAS, be disclosed by users to any company or person whomsoever and the PTS shall be used exclusively for the purpose they have been provided to the user. They shall be returned after use, including any copies which shall only be made by users with the express prior written consent of PETRONAS.

The copyright of PTS vests in PETRONAS. Users shall arrange for PTS to be held in safe custody and PETRONAS may at any time require information satisfactory to PETRONAS in order to ascertain how users implement this requirement.

Documents
Document Sharing Hub

Full document details: PETRONAS 38.80.20.31 2004