
Hydrometric determinations — Pumping tests for water wells — Considerations and guidelines for design, performance and use

Déterminations hydrométriques — Essais de pompage pour puits d'eau — Considérations et lignes directrices pour la conception, l'exécution et l'utilisation



PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

© ISO 2003

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 0111
Fax + 41 22 749 0947
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

Contents

Page

Foreword	iv
Introduction	v
1 Scope.....	1
2 Terms and definitions.....	1
3 Hydrogeological considerations	5
4 Pre-test planning.....	7
5 Pre-test observations	20
6 Pumping test	22
7 Special tests	27
8 Post-test observations	31
9 Presentation of information	31
Annex A (informative) Well construction	34
Annex B (informative) Groundwater conditions and aquifer states.....	35
Annex C (informative) Water-level and discharge-measuring devices.....	37
Annex D (informative) Well development.....	48
Annex E (informative) Geophysical logging	54
Annex F (informative) Examples of forms for data collection	55
Bibliography	57