

# The Harding derrick-inspection guide: Defying gravity!

Ian Shearer, Deutag UK Ltd

Bill McLellan, BP Amoco

THE DRILLFLOOR HAS long been recognised in the industry as a potentially hazardous area, a fact borne out by the comparatively high incidence of both serious and fatal accidents on

as a key target within their ongoing safety-awareness and risk-reduction programme. A Derrick Inspection Guide, intended as a means of controlling, inspecting and maintaining both permanent and temporary equipment located within the derrick and which could therefore present a dropped object hazard, was seen as the way forward. Simultaneously, Step

Change 2000, a pan-industry initiative established and coordinated by HSE, UKOOA and IADC with the intention of delivering a 50% improvement in offshore safety, had identified drillfloor safety as a primary target for improvement. With this in mind, the Harding Drilling Team committed to making their Derrick Inspection Guide work well on Harding, and also to make available to the industry at large all of the positive aspects of their initiative for the benefit of everyone.

The Harding Derrick Inspection Guide was implemented in advance of recently introduced UK legislation covering the use and maintenance of lifting equipment. This legislation imposes additional responsibility on employers with regard to the safety of personnel either involved or affected by lifting operations and equipment.

## INVOLVEMENT

Worker involvement has long been recognised on Harding as a prerequisite to the success of any safety initiative. This is evidenced through the highly successful Employee Led Safety Initiative (ELSI) implemented by the Harding Drilling Team in early 1997. The drillcrew, in conjunction with the management team, scoped out, planned and implemented the Derrick Inspection Guide project. Without doubt, their contribution to, and subsequent ownership of, the Derrick Inspection Guide, is crucial to its long term success.

## APPROACH

It was recognised early on that the main tangible outcome from the initiative would be a process in the form of a Derrick Inspection Guide. It was also recognised that several stages would have to be gone through in developing this guide and that if the guide was going to be used by the drillcrew it would have to be both concise and user friendly. An 8-step approach was developed to deliver the Derrick Inspection Guide, as outlined below:

- **Hazard identification:** A comprehensive review of all items in the derrick and sub-structure with the potential to become a dropped object. These items are inventoried and their method of securing recorded. On Harding 336 items were logged;
- **Identification of all derrick and substructure operations:** Based on a sequential review of all likely well operations to be carried out (drilling, casing, wirelining, etc.) a task analysis is conducted with each item of equipment required for each task being identified and its position within the derrick marked-up on derrick and sub-structure drawings;
- **Derrick inspection areas:** Sub-divide the derrick and sub-structure into manageable areas which have discrete physical boundaries. On Harding, 5 such areas were identified, as shown in Figure 1. These areas were further assigned a colour code to simplify and ensure check sheets were referenced easily to the appropriate areas;
- **Verification process:** Using the marked-up drawings and previously prepared inventory, a detailed inspection of the derrick



Figure 1: The Harding drilling team identified 336 potential "dropped objects" in the derrick and substructure as part of a comprehensive effort to eliminate the problem. The next step was to identify all derrick and substructure operations. Finally, the team sub-divided the derrick and substructure into 5 manageable derrick inspection areas. Colour codes were used to ensure check sheets were referenced to the appropriate area.

drillfloors worldwide. From IADC incident statistics<sup>1</sup>, about 45% of drilling related accidents occur on the drillfloor or derrick, with a significant proportion of these involving equipment falling from the derrick. Indeed, drillcrew have been one of the highest risk group of workers offshore, not by virtue of their exposure to the threat of blowout, but due to their exposure to injury and fatality from their immediate working environment.

It was against this background that the Harding Drilling team identified dropped objects within the derrick and substructure

# Harding Derrick Inspection Guide

**BM King**



## Harding Derrick Inspection Guide:

Lloyd's Register OneOcean's Guide to Port Entry 1985-1986 Lloyd's Register Foundation, 1985-01-01 First published in 1971 these Guides provide invaluable information on thousands of commercial ports and terminals across the globe They are compiled and published annually by LR OneOcean whose years of global maritime experience allows them to provide expert and innovative solutions that enhance efficiency sustainability and overall industry success The Guides cover a significant geographical breadth and the most recent volume includes information on over 12 500 ports harbours and terminals worldwide These are fully indexed and contain detailed port plans and mooring diagrams

**Bridge Management 4** M. J. Ryall, G. A. R. Parke, J. E. Harding, 2000 These proceedings are from The Fourth International Conference on Bridge Management that consolidated the best and more importantly up to date research conducted in the field of bridge management Since the first conference in 1990 the scientific art of bridge management has advanced at an astonishing rate There has been a change from a curative to a preventative approach to bridge management promising an increased longevity for the next generation of bridges and reduced whole life costs and practical and economical solutions have been found for some recurring problems

*The North Sea Field Development Guide* ,1992    *Gardening Illustrated* ,1908    *Energy Research Abstracts* ,1985    **Proceedings of the Ocean Drilling Program** Ocean Drilling Program, 1992    Southwest Builder and Contractor ,1918    **Indicator and National Journal of Insurance** ,1896    **Whitaker's Cumulative Book List** ,1981    **Engineering** ,1871    The Indicator ,1896    *The Engineer* ,1859    *Musical Opinion and Music Trade Review* ,1919    **Railroad Age Gazette** ,1911    Engineering and Cement World ,1928    **Engineering World** ,1928    **Railway Age Gazette** ,1911    **American Book Publishing Record** R.R. Bowker Company, 1978    *The Bookseller* ,1913 Official organ of the book trade of the United Kingdom    **Mining Herald and Colliery Engineer** ,1894

## Decoding **Harding Derrick Inspection Guide**: Revealing the Captivating Potential of Verbal Expression

In a time characterized by interconnectedness and an insatiable thirst for knowledge, the captivating potential of verbal expression has emerged as a formidable force. Its ability to evoke sentiments, stimulate introspection, and incite profound transformations is genuinely awe-inspiring. Within the pages of "**Harding Derrick Inspection Guide**," a mesmerizing literary creation penned by way of a celebrated wordsmith, readers embark on an enlightening odyssey, unraveling the intricate significance of language and its enduring affect our lives. In this appraisal, we shall explore the book is central themes, evaluate its distinctive writing style, and gauge its pervasive influence on the hearts and minds of its readership.

[https://blog.gospelcrusade.org/files/book-search/default.aspx/marvel\\_6sdze\\_bs\\_g\\_refrigerators\\_owners\\_manual.pdf](https://blog.gospelcrusade.org/files/book-search/default.aspx/marvel_6sdze_bs_g_refrigerators_owners_manual.pdf)

### **Table of Contents Harding Derrick Inspection Guide**

1. Understanding the eBook Harding Derrick Inspection Guide
  - The Rise of Digital Reading Harding Derrick Inspection Guide
  - Advantages of eBooks Over Traditional Books
2. Identifying Harding Derrick Inspection Guide
  - Exploring Different Genres
  - Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - Features to Look for in an Harding Derrick Inspection Guide
  - User-Friendly Interface
4. Exploring eBook Recommendations from Harding Derrick Inspection Guide
  - Personalized Recommendations
  - Harding Derrick Inspection Guide User Reviews and Ratings
  - Harding Derrick Inspection Guide and Bestseller Lists

5. Accessing Harding Derrick Inspection Guide Free and Paid eBooks
  - Harding Derrick Inspection Guide Public Domain eBooks
  - Harding Derrick Inspection Guide eBook Subscription Services
  - Harding Derrick Inspection Guide Budget-Friendly Options
6. Navigating Harding Derrick Inspection Guide eBook Formats
  - ePub, PDF, MOBI, and More
  - Harding Derrick Inspection Guide Compatibility with Devices
  - Harding Derrick Inspection Guide Enhanced eBook Features
7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Harding Derrick Inspection Guide
  - Highlighting and Note-Taking Harding Derrick Inspection Guide
  - Interactive Elements Harding Derrick Inspection Guide
8. Staying Engaged with Harding Derrick Inspection Guide
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Harding Derrick Inspection Guide
9. Balancing eBooks and Physical Books Harding Derrick Inspection Guide
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Harding Derrick Inspection Guide
10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
11. Cultivating a Reading Routine Harding Derrick Inspection Guide
  - Setting Reading Goals Harding Derrick Inspection Guide
  - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Harding Derrick Inspection Guide
  - Fact-Checking eBook Content of Harding Derrick Inspection Guide
  - Distinguishing Credible Sources
13. Promoting Lifelong Learning

- Utilizing eBooks for Skill Development
  - Exploring Educational eBooks
14. Embracing eBook Trends
- Integration of Multimedia Elements
  - Interactive and Gamified eBooks

### **Harding Derrick Inspection Guide Introduction**

Free PDF Books and Manuals for Download: Unlocking Knowledge at Your Fingertips In today's fast-paced digital age, obtaining valuable knowledge has become easier than ever. Thanks to the internet, a vast array of books and manuals are now available for free download in PDF format. Whether you are a student, professional, or simply an avid reader, this treasure trove of downloadable resources offers a wealth of information, conveniently accessible anytime, anywhere. The advent of online libraries and platforms dedicated to sharing knowledge has revolutionized the way we consume information. No longer confined to physical libraries or bookstores, readers can now access an extensive collection of digital books and manuals with just a few clicks. These resources, available in PDF, Microsoft Word, and PowerPoint formats, cater to a wide range of interests, including literature, technology, science, history, and much more. One notable platform where you can explore and download free Harding Derrick Inspection Guide PDF books and manuals is the internet's largest free library. Hosted online, this catalog compiles a vast assortment of documents, making it a veritable goldmine of knowledge. With its easy-to-use website interface and customizable PDF generator, this platform offers a user-friendly experience, allowing individuals to effortlessly navigate and access the information they seek. The availability of free PDF books and manuals on this platform demonstrates its commitment to democratizing education and empowering individuals with the tools needed to succeed in their chosen fields. It allows anyone, regardless of their background or financial limitations, to expand their horizons and gain insights from experts in various disciplines. One of the most significant advantages of downloading PDF books and manuals lies in their portability. Unlike physical copies, digital books can be stored and carried on a single device, such as a tablet or smartphone, saving valuable space and weight. This convenience makes it possible for readers to have their entire library at their fingertips, whether they are commuting, traveling, or simply enjoying a lazy afternoon at home. Additionally, digital files are easily searchable, enabling readers to locate specific information within seconds. With a few keystrokes, users can search for keywords, topics, or phrases, making research and finding relevant information a breeze. This efficiency saves time and effort, streamlining the learning process and allowing individuals to focus on extracting the information they need. Furthermore, the availability of free PDF books and manuals fosters a culture of continuous learning. By removing financial barriers, more people can access educational resources and pursue lifelong learning, contributing to

personal growth and professional development. This democratization of knowledge promotes intellectual curiosity and empowers individuals to become lifelong learners, promoting progress and innovation in various fields. It is worth noting that while accessing free Harding Derrick Inspection Guide PDF books and manuals is convenient and cost-effective, it is vital to respect copyright laws and intellectual property rights. Platforms offering free downloads often operate within legal boundaries, ensuring that the materials they provide are either in the public domain or authorized for distribution. By adhering to copyright laws, users can enjoy the benefits of free access to knowledge while supporting the authors and publishers who make these resources available. In conclusion, the availability of Harding Derrick Inspection Guide free PDF books and manuals for download has revolutionized the way we access and consume knowledge. With just a few clicks, individuals can explore a vast collection of resources across different disciplines, all free of charge. This accessibility empowers individuals to become lifelong learners, contributing to personal growth, professional development, and the advancement of society as a whole. So why not unlock a world of knowledge today? Start exploring the vast sea of free PDF books and manuals waiting to be discovered right at your fingertips.

### **FAQs About Harding Derrick Inspection Guide Books**

How do I know which eBook platform is the best for me? Finding the best eBook platform depends on your reading preferences and device compatibility. Research different platforms, read user reviews, and explore their features before making a choice. Are free eBooks of good quality? Yes, many reputable platforms offer high-quality free eBooks, including classics and public domain works. However, make sure to verify the source to ensure the eBook credibility. Can I read eBooks without an eReader? Absolutely! Most eBook platforms offer webbased readers or mobile apps that allow you to read eBooks on your computer, tablet, or smartphone. How do I avoid digital eye strain while reading eBooks? To prevent digital eye strain, take regular breaks, adjust the font size and background color, and ensure proper lighting while reading eBooks. What the advantage of interactive eBooks? Interactive eBooks incorporate multimedia elements, quizzes, and activities, enhancing the reader engagement and providing a more immersive learning experience. Harding Derrick Inspection Guide is one of the best book in our library for free trial. We provide copy of Harding Derrick Inspection Guide in digital format, so the resources that you find are reliable. There are also many Ebooks of related with Harding Derrick Inspection Guide. Where to download Harding Derrick Inspection Guide online for free? Are you looking for Harding Derrick Inspection Guide PDF? This is definitely going to save you time and cash in something you should think about. If you trying to find then search around for online. Without a doubt there are numerous these available and many of them have the freedom. However without doubt you receive whatever you purchase. An alternate way to get ideas is always to check another Harding Derrick Inspection Guide.

This method for see exactly what may be included and adopt these ideas to your book. This site will almost certainly help you save time and effort, money and stress. If you are looking for free books then you really should consider finding to assist you try this. Several of Harding Derrick Inspection Guide are for sale to free while some are payable. If you arent sure if the books you would like to download works with for usage along with your computer, it is possible to download free trials. The free guides make it easy for someone to free access online library for download books to your device. You can get free download on free trial for lots of books categories. Our library is the biggest of these that have literally hundreds of thousands of different products categories represented. You will also see that there are specific sites catered to different product types or categories, brands or niches related with Harding Derrick Inspection Guide. So depending on what exactly you are searching, you will be able to choose e books to suit your own need. Need to access completely for Campbell Biology Seventh Edition book? Access Ebook without any digging. And by having access to our ebook online or by storing it on your computer, you have convenient answers with Harding Derrick Inspection Guide To get started finding Harding Derrick Inspection Guide, you are right to find our website which has a comprehensive collection of books online. Our library is the biggest of these that have literally hundreds of thousands of different products represented. You will also see that there are specific sites catered to different categories or niches related with Harding Derrick Inspection Guide So depending on what exactly you are searching, you will be able to choose ebook to suit your own need. Thank you for reading Harding Derrick Inspection Guide. Maybe you have knowledge that, people have search numerous times for their favorite readings like this Harding Derrick Inspection Guide, but end up in harmful downloads. Rather than reading a good book with a cup of coffee in the afternoon, instead they juggled with some harmful bugs inside their laptop. Harding Derrick Inspection Guide is available in our book collection an online access to it is set as public so you can download it instantly. Our digital library spans in multiple locations, allowing you to get the most less latency time to download any of our books like this one. Merely said, Harding Derrick Inspection Guide is universally compatible with any devices to read.

### **Find Harding Derrick Inspection Guide :**

**marvel 6sdze bs g refrigerators owners manual**

[maserati quattroporte v6 2 0 2 8 engine service manual](#)

**marks boundary of jan 2015 igcse**

[masculinfeacuteminin ii dissoudre la hieacuterarchie](#)

[martin 4flight manual](#)

[marking scheme of economics 0455 23 m j 2013](#)

[martha-stewart tv recipe](#)

[maryland surplus lines quarterly tax report](#)  
[maskew miller longman grade paper 2 physics 2014](#)  
[markscheme 2014 june calculator edexcel](#)  
[marley me john grogan](#)  
**maryland corrections exam study guide**  
~~marks guide class 9 social science~~  
**marking scheme for cgpmt**  
[marking scheme for 9708 42](#)

### **Harding Derrick Inspection Guide :**

Living With Art, 10th Edition by Getlein, Mark The writing is clear and lighthearted, making the concepts interesting and easy to understand. This is an extensive text, giving a nice introduction to art ... Living With Art, 10th Edition - Getlein, Mark: 9780073379258 Getlein, Mark ; Publisher: McGraw-Hill Education, 2012 ; Living with Art provides the foundation for a life-long appreciation of art, as well as critical thinking ... Living With Art 10th edition 9780073379258 0073379255 Living With Art 10th edition · RentFrom \$12.99 · Rent\$12.99 · BuyFrom \$12.49. 21-day refund guarantee and more · Buy\$12.49 · Book Details · Publisher Description. Living with Art by Getlein, Mark Living With Art, 10th Edition. Mark Getlein. 4.3 out of 5 stars 569. Paperback. 69 offers from \$5.64 · Living with Art. Living With Art, 10th Edition Living With Art, 10th Edition (ISBN-13: 9780073379258 and ISBN-10: 0073379255), written by authors Mark Getlein, was published by McGraw-Hill Education in ... Living with art 10th 11th or 12th edition PDF please I have ... Living with art 10th 11th or 12th edition PDF please I have to to have it by today someone help · Make requests for textbooks and receive free ... Living with Art Comprehensive online learning platform + unbound loose-leaf print text package ... This is his fourth edition as author of Living with Art. Kelly Donahue ... Living With Art 10th Edition by Mark Getlein for sale online Find many great new & used options and get the best deals for Living With Art 10th Edition by Mark Getlein at the best online prices at eBay! Living With Art 10th Edition by Mark Get.pdf This Living With Art, 10th Edition having great arrangement in word and layout, so you will not really feel uninterested in reading. GETLEIN | Get Textbooks Living with Art Tenth Addition(10th Edition) (10th) by Mark Getlein Loose Leaf, 572 Pages, Published 2013 by Mcgraw-Hill ISBN-13: 978-0-07-764921-0, ISBN: 0 ... New Zealand country guide - Lonely Planet | Australia & Pacific New Zealand and beyond ... Chef foraging for 'bush asparagus' on a Maori food excursion. North Island. Snow capped mountains in Kahurangi National Park. South ... New Zealand country guide - Lonely Planet | Australia & Pacific New Zealand and beyond ... Chef foraging for 'bush asparagus' on a Maori food excursion. North Island. Snow capped mountains in Kahurangi National Park. South ... New Zealand (Lonely Planet) - Books Plucked straight

from a film set or a coffee-table book of picture-perfect scenery, New Zealand is jaw-droppingly gorgeous New Zealand From the top of the north to halfway down the south: a taste of New Zealand's best. Kick things off in Auckland: it's NZ's biggest city, with awesome ... Lonely Planet or Rough Guide? - New Zealand Forum Nov 11, 2017 — I've used the Lonely Planet guide for New Zealand. I found it very useful. Not every last place and small sight is included, but it's a great ... 12 ways to experience New Zealand on a budget Oct 22, 2023 — Average daily cost: NZ\$150 to \$250, including three meals a day, cheaper accommodation and modest activities and transportation. Catch the bus. Best New Zealand Guide Book? - Fodor's Travel Talk Forums I liked Lonely Planet, but we ultimately ended up with a Frommer's guide for its detailed reviews and prices for a variety of things. Mr. Pickle thought the ... Best of New Zealand 1 Preview This uncrowded, peaceful and accepting country is the ultimate escape for travellers seeking spectacle, adventure and excellent food and wine. The scenic ... By Roger A. Arnold - Economics (11th Revised edition) (1/ ... By Roger A. Arnold - Economics (11th Revised edition) (1/15/13) [unknown author] on Amazon.com. \*FREE\* shipping on qualifying offers. By Roger A. Arnold ... Economics: 9781133189756 Dr. Roger A. Arnold is Professor of Economics at California State University San Marcos, where his fields of specialization include general microeconomic theory ... Economics. Roger A. Arnold | Rent - Chegg Authors: Roger A Arnold ; Full Title: Economics. Roger A. Arnold ; Edition: 11th edition ; ISBN-13: 978-1133582311 ; Format: Paperback/softback. Arnold, Roger A.: 9781133189756 - Economics Dr. Roger A. Arnold is Professor of Economics at California State University San Marcos, where his fields of specialization include general microeconomic ... Roger A. Arnold | Get Textbooks Microeconomics(11th Edition) (with Videos: Office Hours Printed Access Card) (MindTap Course List) by Roger A. Arnold Paperback, 560 Pages, Published 2013 ... Economics - Roger A. Arnold A complete introduction to basic principles of economics for the two-term course. Also available in micro and macro paperback splits. Economics by Roger Arnold Buy Economics by Roger Arnold ISBN 9781285738321 1285738322 12th edition or 2015 edition ... 11th edition which is nearly identical to the newest editions. We ... Economics by Roger A. Arnold: New (2013) ISBN: 9781133189756 - Hardcover - Thomson Learning - 2013 - Condition: New - pp. 912 11th Edition - Economics. Arnold Roger A Arnold | Get Textbooks Microeconomics(11th Edition) (with Videos: Office Hours Printed Access Card) (MindTap Course List) by Roger A. Arnold Paperback, 560 Pages, Published 2013 ... List of books by author Roger A. Arnold See 1 Edition. Economics (Joliet Junior College) Edition: 11th 1285896556 Book Cover. Economics (Joliet Junior College)... by Roger A. Arnold. \$7.39. Format ...