

CICO **ASIAPACIFIC** **NEWSLETTER**

Vol. 2 Issue 2
June 2013



FRACKING

From the Corner Office	2
News from the Corporate Office	3
Asset Integrity Management	4
Fracking	5
E-Mail Etiquette	8
Accreditations	10
Its all about YOU!	11

FOREWORD
Mr. Mitch Nobles
M.D. ICO Group

“No Turning Back”

It seems that for ICO there is no turning back, first in 2012 we received the BID Gold Award in New York City, for Excellence and Business Prestige.

Then in March 2013 ICO received our API Q1, making ICO the only Inspection company in all of Asia with API Q1.

Now in April 2013 ICO has received The Quality Achievement Award from 'ESQR'. This will be awarded to our Director of assets Mr. Chris Nobles in London on July 7th 2013.

To top it all off, in May we passed our Audit to become a Level 1, Global Inspection Provider for Halliburton, the only Inspection Company to ever achieve this.

I want to take this opportunity to thank all ICO Employees because without you we could never have achieved any of these.

Editing Team:

Dr. Santosh Gupte
Prasad Nanote
Amey Saware

FROM THE CORNER OFFICE

FOREWORD
Dr. Santosh Gupte
Director - Quality

At the outset, I wish to put on record our sincere thanks to entire team of “ICO Operation”, without which we could not have achieved a single milestone which we have and shall continue to every month and every year, climbing the ladder to be the World's Number 1 Inspection Company in Oil & Gas Industry.

Through this Newsletter we intend to share with you the developments that take place in ICO Group, as well as other information which may be of interest to you. To that end, your comments & inputs are solicited.

I once again thank you for being a part of our growth & look forward to your continued support in our future endeavors.

Chief Editors: Aadit Shroff
Mrugesh Paralikar



NEWS FROM THE CORPORATE OFFICE

- Expansion of Singapore Corporate Office
- ICO Singapore opens new Training Centre
- ICO Perth, Australia was certified by NATA for ISO/IEC 17025
- "ICO International do Brazil" – ICO Group expands into South America, tendering Repsol for Third Party Inspection
- ICO's new website to be launched soon
- ICO Engineers in Singapore in process of incorporating Matlab programs to generate statistical sales analysis and forecast
- BHI T2 Training carried out by Global Trainer – Dr. Santosh Gupte at Dubai.

Asset Integrity Management

Customer:

Penfinre Malaysia Sdn.
Bhd.

Location: Penang

ICO Scope of Work:

Ethylene Glycol Pipeline
System Asset Integrity
Management

Inspectors:

Paul Murugaraj
Amey Saware

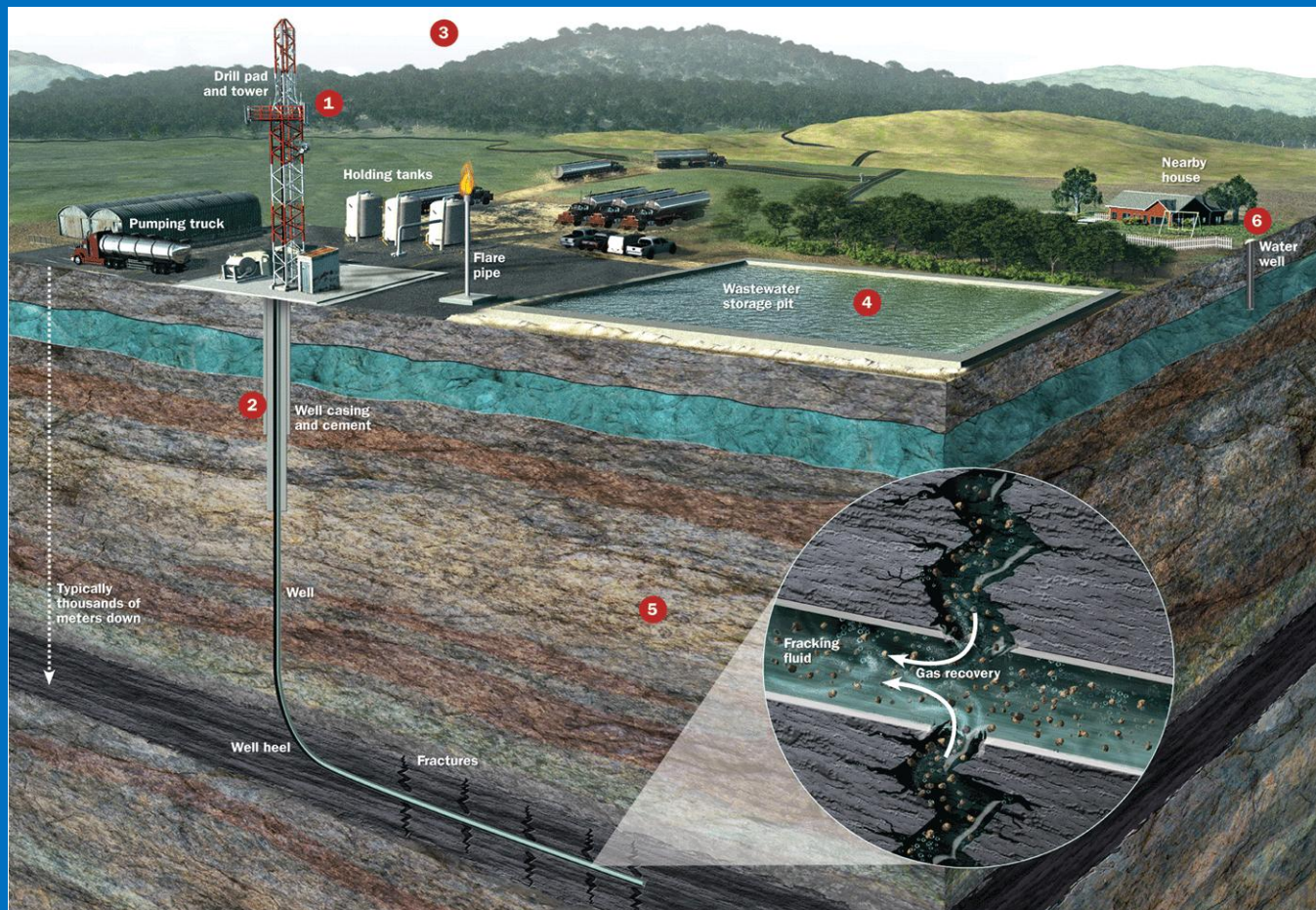


Lead Inspector Paul & Inspection Engineer Amey performing VT under the guidance of Dr. Gupte

NDT Methods Used: Ultrasonic Thickness Gauging, Magnetic Particle Testing, Visual Inspection, Pit Depth Measurement.

Spec: API 570

“There were pipes which were not accessible from anywhere except from the bottom, so we had to go via boat. No Harness, no place to store our equipment. Nothing! It wasn’t easy!” - *Paul*



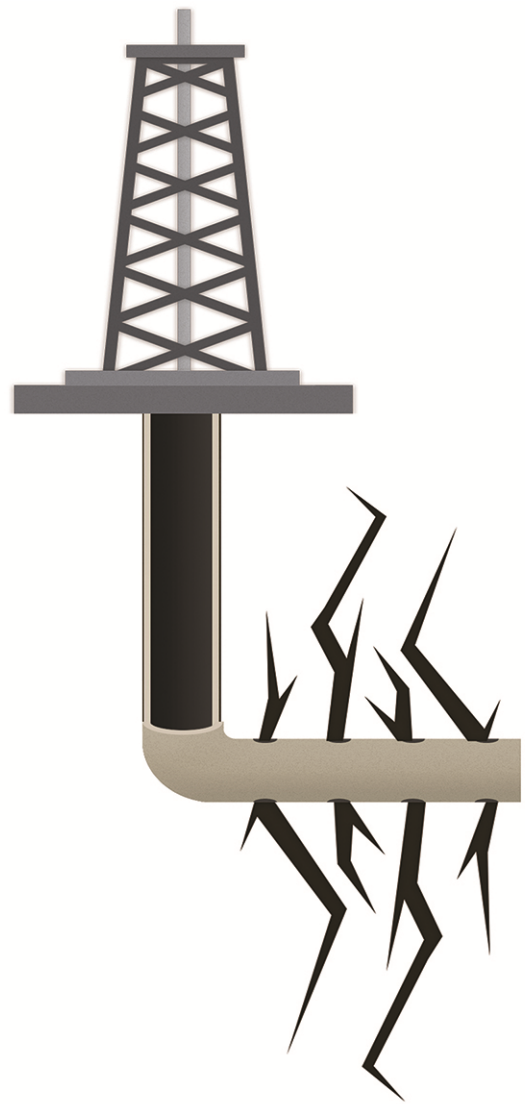
Fracking

is the process of extracting

natural gas from shale rock layers deep within the earth. Fracking makes it possible to produce natural gas extraction in shale plays that were once unreachable with conventional technologies. Recent advancements in drilling technology have led to new man-made hydraulic fractures in shale plays that were once not available for exploration. In fact, three dimensional imaging helps scientists determine the precise locations for drilling.

Horizontal drilling (along with traditional vertical drilling) allows for the injection of highly pressurized fracking fluids into the shale area. This creates new channels within the rock from which natural gas is extracted at higher than traditional rates.

This drilling process can take up to a month, while the drilling teams delve more than a mile into the Earth's surface. After which, the well is cased with cement to ensure groundwater protection, and the shale is hydraulically fractured with water and other fracking fluids. Methanol is a biodegradable chemical and an essential component in the fracking process that for all practical purposes.



Once the fracturing process is over, the water rises back to the surface, forced upward by the geologic formation's pressure. Then, the fluids are stored in pits or tanks to be treated – if the water is to be discharged into surface water – or is injected deep underground.

Videos:

<http://www.youtube.com/watch?v=VY34PQUiwOQ>

<http://www.youtube.com/watch?v=fFUxq9UolN4>



1-8 million gallons of water per fracture

400 tanker trucks and diesel fuel needed per site



40,000 gallons of chemicals per fracture

600 chemicals, many carcinogens and toxins like Lead, Uranium, Radium, Mercury, Hydrochloric Acid & Formaldehyde



Contaminated water used by near by cities & towns

DANGERS OF



Methane & toxic chemicals contaminate drinking water supply



Contaminated water causes sensory, repertory, & neurological damage

50% - 70% of fracturing fluid is left in the ground



Open-air pits release harmful VOC's and Ozone



10 Tips for Perfecting Your E-mail Etiquette

Do you have bad etiquette? In other words, are you appalling colleagues with your awful e-mail manners? Clean-up your act with these etiquette tips from the experts.

Don't "e-mail angry." E-mailing with bad news, firing a client or vendor, expressing anger, reprimanding someone, disparaging other people in e-mails are all major no-no's. DON'T TYPE IN ALL CAPS. This can be perceived as "shouting" via email.

Use exclamation points sparingly. The maximum number of exclamation points in a business e-mail? One. Otherwise, you risk looking childish and unprofessional.

Be careful with confidential information. Refrain from discussing confidential information in e-mails. Should the e-mail get into the wrong person's hands, you could face serious, even legal repercussions.

Format. The ideal font is Arial, ideal font size is 12.

Respond in a timely fashion. Unless you work in some type of emergency capacity, it's not necessary to be available the instant an e-mail arrives. Depending on the nature of the e-mail and the sender, responding within 12 to 24 hours is acceptable.

Refrain from sending one-liners. "Thanks," and "Oh, OK" do not advance the conversation in any way. Feel free to put "No Reply Necessary" at the top of the e-mail when you don't anticipate a response.

Avoid using shortcuts to real words, emoticons, jargon, or slang. Words from grown, business people using shortcuts such as "4 u" (instead of "for you"), "Gr8" (for great) in business related e-mail is not acceptable. Any of the above has the potential to make you look less than professional.

Beware of the "reply all." Do not hit "reply all" unless every member on the e-mail chain needs to know. You want to make sure that you are not sending everyone on a list your answer—whether they needed to know or not.

Keep it short and get to the point. The long e-mail is a thing of the past. Write concisely, with lots of white space, so as to not overwhelm the recipient. Feel free to use bullet points. You should state the purpose of the e-mail within the first two sentences. Be clear, and be up front.

Train your staff. Business owners should make sure their staff is trained in e-mail communications don't assume they know what they're doing, and what is considered professional. Set up e-mail standards that everyone at the company should abide by.

Certificate of Registration

The American Petroleum Institute certifies that the quality management system of
ICO Asiapacific Group
Loyang Offshore Supply Base # 5002
SOPS St., Loyang Crescent
Singapore

as well as the sites listed on the following pages
has been assessed by the American Petroleum Institute and found to be in conformance
with the following:

API Specification Q1

The scope of this registration and the approved quality management system applies to the:

**Inspection, Testing, Technical Auditing, Training and
Consultancy Services for the Oil and Gas Industry**

API approves the organization's justification for excluding:
No Exclusions Identified as Applicable



Effective Date: March 14, 2013
Expiration Date: March 14, 2016
Registered Since: March 14, 2013

W. Dan Whittaker
Manager of Operations, APIQR

This certificate is valid for the period specified herein. The registered organization must continually meet all requirements of API Spec Q1, Specification for Quality Programs for the Petroleum, Petrochemical and Natural Gas Industry, and the requirements of the Registration Agreement. Registration is maintained and regularly monitored through annual full system audits. This certificate has been issued from API offices located at 1220 L Street, N.W., Washington, D.C. 20005-4070, U.S.A. It is the property of API, and must be returned upon request. To verify the authenticity of this certificate, go to www.api.org/compositelists.

2013-03-14 08:12 | 1M | Printed in U.S.A. |

Certificate of Registration

The American Petroleum Institute certifies that the quality management system of
ICO Asiapacific Group
Loyang Offshore Supply Base # 5002
SOPS St., Loyang Crescent
Singapore

as well as the sites listed on the following pages
has been assessed by the American Petroleum Institute and found to be in compliance
with the following:

ISO/TS 29001

The scope of this registration and the approved quality management system applies to the:

**Inspection, Testing, Technical Auditing, Training and
Consultancy Services for the Oil and Gas Industry**

API approves the organization's justification for excluding:
No Exclusions Identified as Applicable



Effective Date: March 14, 2013
Expiration Date: March 14, 2016
Registered Since: March 14, 2013

W. Dan Whittaker
Manager of Operations, APIQR

This certificate is valid for the period specified herein. The registered organization must continually meet all requirements of ISO/TS 29001, Petroleum, Petrochemical and Natural Gas Industry - Sector Specific Quality Management Systems, and the requirements of the Registration Agreement. Registration is maintained and regularly monitored through annual full system audits. This certificate has been issued from API offices located at 1220 L Street, N.W., Washington, D.C. 20005-4070, U.S.A. It is the property of API, and must be returned upon request. To verify the authenticity of this certificate, go to www.api.org/compositelists.

2013-03-14 08:12 | 1M | Printed in U.S.A. |

ACCREDITATIONS



Certificate of Registration

APIQR® REGISTRATION NUMBER
1876

This certifies that the quality management system of

ICO Asiapacific Group
Loyang Offshore Supply Base # 5002
SOPS St., Loyang Crescent
Singapore

as well as the sites listed on the following pages
has been assessed by the American Petroleum Institute Quality Registrar (APIQR®) and
found it to be in conformance with the following standard:

ISO 9001:2008

The scope of this registration and the approved quality management system applies to the
**Inspection, Testing, Technical Auditing, Training and
Consultancy Services for the Oil and Gas Industry**

APIQR® approves the organization's justification for excluding:
No Exclusions Identified as Applicable

Effective Date: March 14, 2013
Expiration Date: March 14, 2016
Registered Since: March 14, 2013

W. Dan Whittaker
Manager of Operations, APIQR



This certificate is valid for the period specified herein. The registered organization must continually meet all requirements of APIQR's Registration Program and the requirements of the Registration Agreement. Registration is maintained and regularly monitored through annual full system audits. Further certification regarding the scope of this certificate and the applicability of ISO 9001 standard requirements may be obtained by consulting the registered organization. This certificate has been issued from APIQR offices located at 1220 L Street, N.W., Washington, D.C. 20005-4070, U.S.A. It is the property of APIQR, and must be returned upon request. To verify the authenticity of this certificate, go to www.api.org/compositelists.



2013-03-14 08:12 0M

ExxonMobil

ExxonMobil
Global Services Company
16945 Northchase Drive
Houston, TX 77060

SUPPLIER QUALIFICATION AUDIT REPORT May 15, 2013

COMPANY: ICO AsiaPacific Singapore Pte Ltd
OBJECTIVE: EMGS QA/QC conducted an assessment consisting of a Quality System Audit to evaluate ICO as a supplier of Third Party Inspection Services.
DATES: February 20th, 2013
TEAM: Michael Grimes - Lead Auditor
CONTACT: Mitch Nobles - Managing Director
STANDARDS: API Spec Q1 / ISO TS 29001
EMQSP-2.3 "Facility Quality Systems Site Assessment"
EMQSP-2.6 "ExxonMobil Representative Qualification and Reporting Requirements"
EMQSP-3.9 "Internal Assessment - Draft"
ICO AsiaPacific's Internal Procedures
PROCESS: In accordance with the ExxonMobil Quality System Procedures referenced above, a Quality System Assessment was conducted to evaluate ICO AsiaPacific to provide continued support for Third Party Inspection Services on behalf of ExxonMobil.
SUMMARY: ExxonMobil considers ICO AsiaPacific, to have a "Qualified" status for the supply Third Party Inspection Services:
This facility status is based on the following evaluation results:

1. Quality System Assessment - Satisfactory
2. EMR Onsite Review - Satisfactory

ITS ALL ABOUT YOU!

From the Editing Team

In this edition of the newsletter, we wanted to explore an idea which we could continue in future issues. From the next issue of this quarterly, we will dig deeper into the science behind Horizontal Drilling, the technology, tools and different areas of Engineering that aid in tapping natural gas reservoirs. We again, urge you all to come ahead and give us your ideas and feedback so that we can do what it takes to keep your inquisition satisfied!

We wish you a pleasant read!

**Aadit Shroff
Mrugesh Paralikar**

