



**Q.E.S.**

Qurum **Energy** Services

YOUR CEMENTING EDGE

**Qurum Enterprise Oil & Gas Services L.L.C.**

## **Our Vision:**

QES vision is to be a leading local service company providing cementing, new technologies and other related services to oil and gas operators in Oman -by consistently achieving targets beyond expectations. In addition, to develop processes, standards and management system to ensure consistency in service delivery and wellbeing for our employees and supply well integrity package to the customers/suppliers.

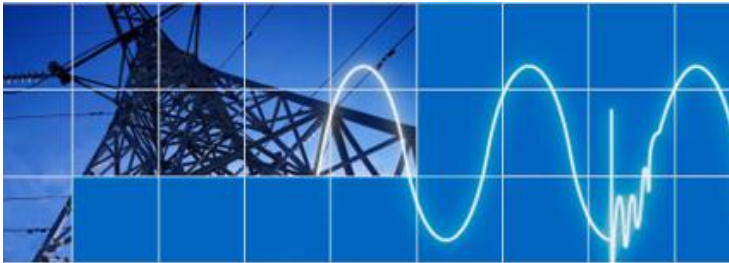
## **Our Mission:**

Our mission is to invest, develop, build and spend from Oman and in Oman, in order to lead in country value. In addition, achieving customer objectives with zero NPT, zero HSE and zero SQ issues.

QES is committed in supporting local universities by providing yearly internship for their students and projects. Also providing cementing technical training to clients.

QES has the capability of performing independently in diagnostic and post job testing for customers.

## **Who we are**



**Qurum Enterprise Oil & Gas Services (QES)** is a local company with international standards specialized in cementing operations. It was Established in 2012 by highly motivated Omani leaders. QES focus in improving a step change in Cementing performance, quality and innovation. With highly profiled local experts', QES is ready to create a strategic partnership based on Performance, Technology, and In-Country-Value.

Safety is one of our core value and our number one priority integral part of our business. Our goal is to keep our people and the environments in which they work, safe and healthy. Our policies and procedures ensure the involvement to a proper safety practices are a 24/7 commitment on everyone's part.

**insideoman**  
14 OMANDAILYOBSERVER  
TUESDAY 1 FEBRUARY 27, 2018

## Local Omani firm emerges as specialist oil-well cementing solutions provider

**JOMAR MENDEZA**  
MUSCAT, FEB 26

Qurum Enterprise Services (QES), billed as a 100 per cent Omani owned and operated oilfield services provider, has beefed up its technical capabilities with the acquisition of a pair of new oil-well cementing units as well as a batch mixer, which have been suitably modified and customised to meet the specific requirements of local operations.

The enhancements, according to Abdullah al-Fahli, Chief Technical Officer, have positioned QES as the Sultanate's specialist oil-well cementing solutions provider.

The state-of-the-art cementing units and batch mixer were unveiled at a ceremony held the previous day at a ceremony held the previous day at the Ministry of Oil and Gas in Muscat city, Salim bin Nasser al-Audi, Under-Secretary of the Ministry of Oil & Gas, who was shown around the equipment, praised QES on its initiative to upgrade the systems to the needs of the local market.

"The redesign of the units reflects feedback QES has received from customers and is an indication company has been listening to us," said the Under-Secretary.

QES is committed to providing high quality services and output. The modifications have been made based on local knowledge by Omani engineers, which is a good indication that the company is committed to In-Country Value (ICV) development and improvement.

"The short journey of QES is an indication that this company is determined to succeed. I am impressed with what they have done over the last three years, winning contracts competitively."

This is exactly what we need to see from local companies entering the market – compete fairly and demonstrate their capabilities with maximum support from the government," Al Audi added.

Starting operations in 2015, QES is an oil wells cementing solutions company. Its primary services include slurry design, lab testing and job execution.

The company's In-Country Value achievements include being the first Omani company to cement two full exploration wells (MOI, Maaseebah 1 and Haimeh 1) cement full stream injection wells (Ory Maahsina), 100 per cent scope of work (Dahel Petroleum) and two weeks mobilisation and 100 per cent scope for work for two months (CCER).

The new oil-well cement units and mixer system are designed and re-engineered by Omani engineers. "We increased the features of the units to make them fit for Omani operations," said Abdullah al-Fahli. "We noticed that during summer, where temperatures reach up to 45 degrees Centigrade, the units would fail, so we increased the temperature of the units to avoid overheating."

We also put a built-in backup unit to ensure smooth and continuous operations. We also enhanced the existing tank to avoid water flooding as a way of protecting our environment."

According to the official, QES has been using Saudi cementing technology, which involves a mixture of cement slurry, floating agents and a gas (usually nitrogen). If mixed properly, formed cement forms a strong, stable and long-life cement slurry, he said.

Commenting on future growth prospects, Al-Fahli added, "We are very optimistic because we can use the Ministry of Oil & Gas supporting ICV initiatives of local companies. We see 2018 will be a very good year for us and for other local companies as well because of the government programmes and support for us."

### QES Pillars:

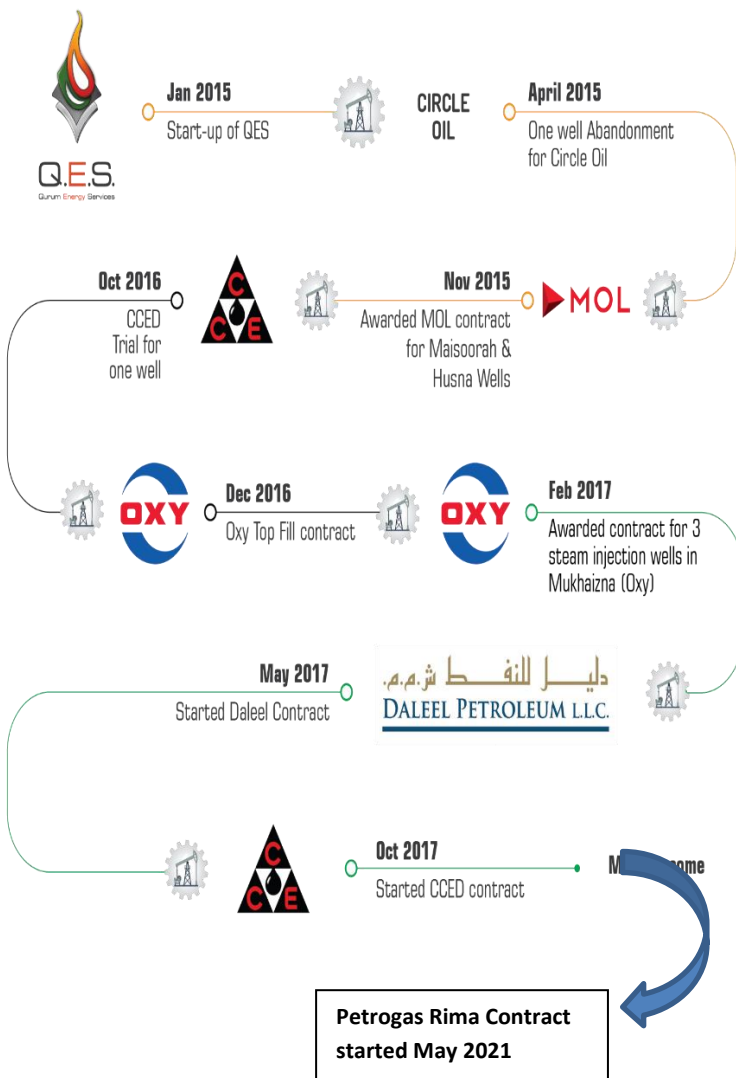
QES believes the success is build based on its proper management, experienced people and right technology.



### QES Objectives:

- ✚ Develop processes, standards and management system to ensure consistency in service delivery and wellbeing for our employees and customers/suppliers
- ✚ Not to compete with local companies but instead work with them.
- ✚ Targeted Omanisation on start more than 95% (Company is 100% owned by Omanis)
- ✚ Achieve customer objectives with zero NPT, zero HSE and zero SQ issues
- ✚ Capability of independently performing diagnostic and post job testing for customers for multiple venders

## QES Journey:



## **HSE & Service Quality:**

QES follows a structured Health, Safety, Environment and Quality management system and it actively manages and monitors the HSEQ aspects of business while setting objectives for improvement.



*Visit of H.E Salim Al Aufi to QES Base (Undersecretary at ministry of Oil & Gas)*

### **QES People & Omanization Level:**

**QES** targeted Omanisation on start of more than 95% of local with 100% Omani owned company. QES team consists of a range of top Omani expertise. QES only hired an expat lab manager which has an objective of training Omani lab technicians. Below shows QES Omanization Plan for the next 5 years:

	Y1	Y2	Y3	Y4	Y5
Management	100%	100%	100%	100%	100%
Engineers	100%	100%	100%	100%	100%
Cementers	100%	100%	100%	100%	100%
Helpers	100%	100%	100%	100%	100%
Drivers	100%	100%	100%	100%	100%
Lab	100%	100%	100%	100%	100%

## QES Cementing Crew:

QES is proud to have 100% Omanis running the cementing jobs from A to Z. QES crews had been chosen wisely and they were the teams who were performing all critical jobs in Oman including foam cementing and cemented completion jobs which are more than 5000 m deep. QES crew was awarded in 2018 by Daleel Petroleum Company for working one year without “Lost Time Injury”



*QES Omani cementing crew*



## QES Software, Lab & Equipment's:

QES had invested heavily on software, cementing lab and equipment to ensure it meets or exceeds the current international standards. Some of the QES equipment's had been modified to have more features than the current equipment available in the market.





*Cementing Unit*



*Batch Mixer*

### **QES ICV Plan:**

QES focus on improving ICV plans and below show some future projects for QES:

- Provide cementing technical training to customer and Omani universities free of charge
- Work with SQU (Sultan Qaboos University) and other labs to develop new designs and technology.
- Support local universities by providing internship for their students and projects for final year students
- Investment in Fixed Assets
- Local Sourcing of Goods
- Local Sourcing of Subcontracted Services
- Development of National Suppliers
- National Training and R&D institution



*QES Omani cementing crew*

## **QES In-Country Value Achievements:**

QES as a first Omani company has achieved to:

- ✚ Cement Two Full Exploration Well. (MOL Maisoorah-1 & Hussna-1)
- ✚ Cement full Steam Injection Wells. (OXY-Mukhaizna)
- ✚ Be awarded 100% scope of work. (Daleel Petroleum)
- ✚ Two weeks Mobilization & 100% scope of work for two months. (CCED)
- ✚ Be operated by 100% Omani workforce.
- ✚ Headcount growth from 10 (January 2015) to 45 (End of 2017).
- ✚ Local Development:
  - Bulk Plant Management
  - Local Cement Additives suppliers

## Cement Process Methodology:

The cementing process at QES consists of four major steps:

### 1- Slurry Design:

The cement unit is designed to mix light and heavy weight cement slurry in big volume up to 24 M3 (150 bbl) and maintain constant weight. Moreover, the slurry design specifications as the following:

- Conventional Slurries (15 -17 ppg)
- Spacers for WBM and OBM
- Water Extended Slurries (12-15 ppg)
- Light Weight Slurries (10-14 ppg)
- Anti-Gas Migration Slurries
- Heavy Weight Slurries (17 – 19 ppg)
- Steam Slurries (12-19 ppg)
- Energized Slurries (10-16 ppg)
- Losses and thixotropic cement
- Foam Cementing



*QES Cement Unit*

## 2- Pumping:

The Batch Mixer unit consists of Twin Pumping Unit and Dual Mixing pumps to pump at high rate and pressure with automatic density control. In addition, it is designed to work on both clement of  $-10^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$ .



*QES Batch Mixer*

## 3- Field Mixing Trial:

In the cement unit includes tanks that has Micromotion. The



advantage of the Micromotion is that it can mix two different

slurries in every batch mixer at same time independently then print out job chart for analysis.

#### 4- Lab Testing:

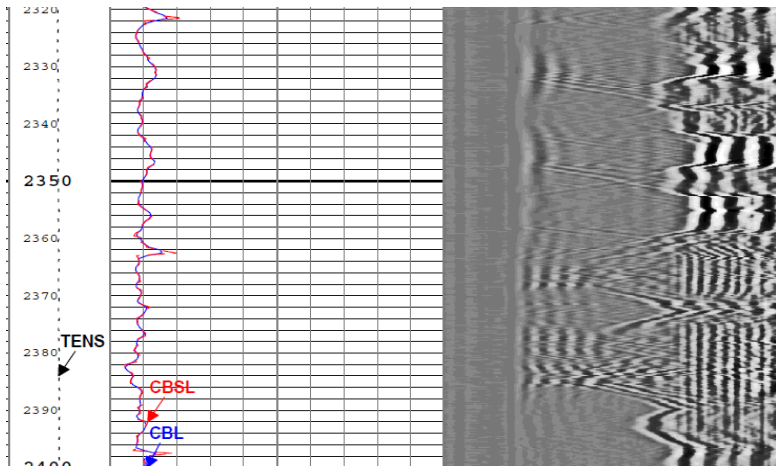
QES is facilitating the state of art cementing lab with fully advanced lab equipment and software. QES lab is capable to run several tests including, Rheology, Free Fluid, Fluid Loss, Density, Thickening time and Compressive strength.





## Oxy Mukhaizna Trials:

QES was the only local cementing company which was allowed to enter Mukhaizna steam field as it is very critical. QES have completed 3 successful wells trials with a very good cement bond log in production casings as per example below.





## Daleel SQ records:

CATEGORY	CUSTOMER SATISFACTION RATING (PLEASE CIRCLE ONE RATING FOR EACH LINE)					
PERSONNEL	Did our personnel perform to your satisfaction?	1	2	3	4	5
EQUIPMENT	Did our equipment perform to your satisfaction?	1	2	3	4	5
JOB DESIGN	Did we Perform the job to the agreed upon design?	1	2	3	4	5
PRODUCT / MATERIAL	Did our products and materials perform as you expected?	1	2	3	4	5
HEALTH & SAFETY	Did we perform in a safe and careful manner? (Pre/post Job., PPE, JSA, etc.)	1	2	3	4	5
ENVIRONMENTAL	Did we perform in an environmentally sound manner? (Spills, leaks, cleanup, etc.)	1	2	3	4	5
TIMELINESS	Was job performed as scheduled (On time to site, accessible to customer, completed on time)?	1	2	3	4	5
CUSTOMER COMMENTS	Good job					

CUSTOMER SIGNATURE:

DALEEL - DRILLING RECEIVED	
DATE: 15/04/2014	WELL No. DL-520
RIG 03	For Use in Well No. ...

How Do You Rate Q.E.S?						
CATEGORY	CUSTOMER SATISFACTION RATING (PLEASE CIRCLE ONE RATING FOR EACH LINE)					
PERSONNEL	Did our personnel perform to your satisfaction?	1	2	3	4	5
EQUIPMENT	Did our equipment perform to your satisfaction?	1	2	3	4	5
JOB DESIGN	Did we Perform the job to the agreed upon design?	1	2	3	4	5
PRODUCT / MATERIAL	Did our products and materials perform as you expected?	1	2	3	4	5
HEALTH & SAFETY	Did we perform in a safe and careful manner? (Pre/post Job., PPE, JSA, etc.)	1	2	3	4	5
ENVIRONMENTAL	Did we perform in an environmentally sound manner? (Spills, leaks, cleanup, etc.)	1	2	3	4	5
TIMELINESS	Was job performed as scheduled (On time to site, accessible to customer, completed on time)?	1	2	3	4	5
CUSTOMER COMMENTS	Excellent Job done					

*QES Launching Ceremony at Ministry of Oil & Gas*



# **Qurum Enterprise Oil & Gas Services L.L.C.**

Bait Al Reem Building,  
1<sup>st</sup> Floor, Al Khuwair, Ministry St  
Muscat – Sultanate of Oman  
Tel: +968 2495 8606,  
Fax: +968 2495 8966  
P.O. Box: 90  
PC: 103

Direct Contact:

Abdullah Al Fadhli / +968 97747691

Email: [Abdullah@qurum-ogs.com](mailto:Abdullah@qurum-ogs.com)



## **Q.E.S.**

**Qurum Energy Services**

YOUR CEMENTING EDGE

