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‘The Power of Collaboration, People and Technology in the Oil and Gas Industry’

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Collaboration, People and Technology entwined:
- Technology could only have been developed through the ingenuity of people
- People have used that technology to push the limits of the industry
- Collaboration has been – and remains – at the heart of everything

The history of Kuwait’s oil industry provides an example:
- The Burgan oil field started producing commercially in 1946 and is still pumping today
- People and technology have come together – to tap into the reservoir, expand its recoverable resource base and apply improved recovery techniques, so that more of the oil in place can be produced

Technology and people will continue to transform and revolutionize the industry
Technological advancements move the industry forward

- Technological advancements continue to increase the estimates of what oil and gas can be found, and what can be recovered
- USGS estimates of ultimately recoverable oil resources continue to rise. The same is true for ultimately recoverable gas resources

**USGS estimates of World Ultimately Recoverable Oil Resources**

- Recovery rates have increased hugely
- In terms of drilling, the industry progressed from drilling tens of metres to many kilometres below the surface, both vertically and horizontally
- The industry has evolved from basic geological sciences to state-of-the-art IT
Energy remains central to a growing world

- The global economy will undoubtedly rebound

- World population is expected to be more than 8.6 billion by 2035, an increase of over 1.5 billion from today

- Huge potential for socio-economic development in providing light, power and mobility

- Around 1.4 billion people still have no access to electricity and some 2.7 billion continue to rely on biomass for their basic needs

- Car ownership levels in developing countries are far lower than in OECD countries
Energy demand increases by over 50% by 2035
Fossil fuels will continue to satisfy the major share of energy needs
Of all fossil fuels, gas sees fastest growth rate
Oil share falls, but demand still increases by more than 20 mb/d
The industry needs more people to drive its expansion, however, there are many challenges facing the industry in terms of meeting future human resource needs:

- The large scale downsizing in the 1980s and 1990s that led to a lack of recruitment and many universities cutting back on energy-related courses
- The fierce competition for talent from other industry sectors
- A significant percentage of the workforce approaching retirement

What can the industry do to meet this human resource challenge?

- It will not happen overnight – there is a need to look long-term
- Make sure the industry is well presented as a prime employment choice

The oil industry is a creative, dynamic and expanding sector; there are tremendous opportunities
The importance of market stability

- The current market is balanced – market stability is something OPEC continually strives for.

- Collaboration, people and technology are key factors in helping make sure the world has enough supply to meet demand.

- Without new people, new technologies and continued collaboration the industry would go backwards.

- These three entwined issues are essential to the short- and long-term market stability that we all desire.
Thank you

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