



Welcome and Introduction

Adam Borushek, Principal Reservoir Engineer
RISC Advisory

SPE Seminar: Introduction to E&P
The Geological Society, London
28 November 2019

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HSE briefing

Alarms, Evacuation Route, Muster Point



- If the fire alarm sounds, vacate the building calmly and quickly.
- Please assist any disabled person in your area.
- Do not collect your belongings from the cloakroom.
- If sitting at the front, exit via the door behind the curtains to the left of the stage.
- If sitting at the back, exit through the 3 fire doors at the back of the theatre.
- Please assemble outside in the courtyard outside the Society of Antiquaries.
- Do not re-enter the building until you are instructed by a Geological Society Fire Marshal.

The Society of Petroleum Engineers (SPE) is a not-for-profit professional association of more than 160,000 members, who are engaged in energy resources development and production.

The **SPE** is a key resource for technical knowledge related to oil and gas exploration and production, and provides services through publications, events, training courses and online resources at www.spe.org

Income from **SPE** events and services are invested back into SPE to support many other programs.

SPE's membership in the Greater London area includes more than 2000 engineers, geoscientists, economists, managers, educators, consultants, etc.

Let us know if you would like more information, or would like to join the SPE.

Linkedin: SPE London; SPE London YP

<https://www.spe-london.org/>

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Today's Agenda



	Topic	Speaker
09:00 - 09:10	Introduction	Adam Borushek, RISC Advisory
09:10 - 09:50	Geology & Geophysics	Ahmed Selem, AMS Consultancy
09:50 - 10:30	Drilling & Petrophysics	Stewart McGregor, Merlin ERDC
10:30 - 10:50	Morning Break	
10:50 - 11:30	Reservoir Engineering and Petroleum Reserves	Adam Borushek, RISC Advisory
11:30 - 12:10	Facilities & Production Engineering	Roberto Cirilo, Imperial College London
12:10 - 13:00	Lunch	
13:00 - 13:40	Economics & Commercial	Lamé Verre, Halliburton
13:40 - 14:20	Upstream Deals	Rebecca Jones, Hurricane Energy
14:20 - 15:00	Managing E&P projects	Tim Bass, First Alpha Energy Capital
15:00 - 15:20	Afternoon Break	
15:20 - 16:00	Safety & Environment	Geof Boyd, Esanda Engineering
16:00 - 16:40	Global Context	Miles Cudmore, Cudmore Oil & Gas Consulting
5pm	Finish	

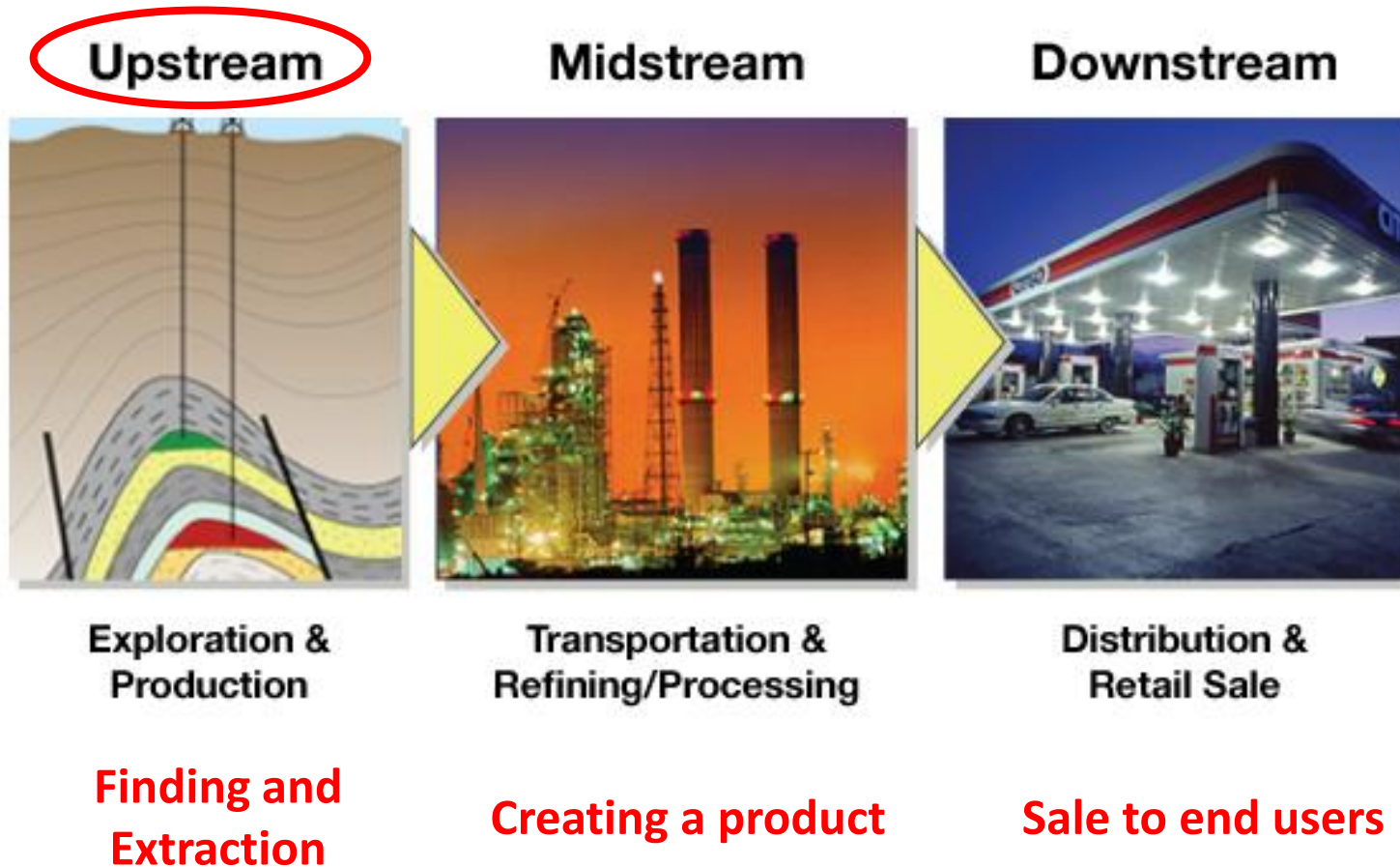
- The life cycle for an oil or gas field is likely to be decades long
- Each of the following stages must be completed



- E&P requires integrated, highly skilled, multi-disciplinary teams
- The main disciplines involved are represented by the speakers here today.

Exploration and Production does not cover the entire industry

Today we cover the 'Upstream' section only



For historical reasons the upstream industry uses a mix of SI, Imperial and Oilfield units.

- Liquid rates: Barrels per day (bopd, bwpd)
- Liquid volumes: Million stock tank barrels (MMstb)
- Gas rates: Million standard cubic feet per day (MMscf/d)
- Gas Volumes: Billion standard cubic feet (Bscf)

Depending on the context you can see cm, inches, feet, meters, km and miles.

Let's Clear Up Some Common Misconceptions (1/3)

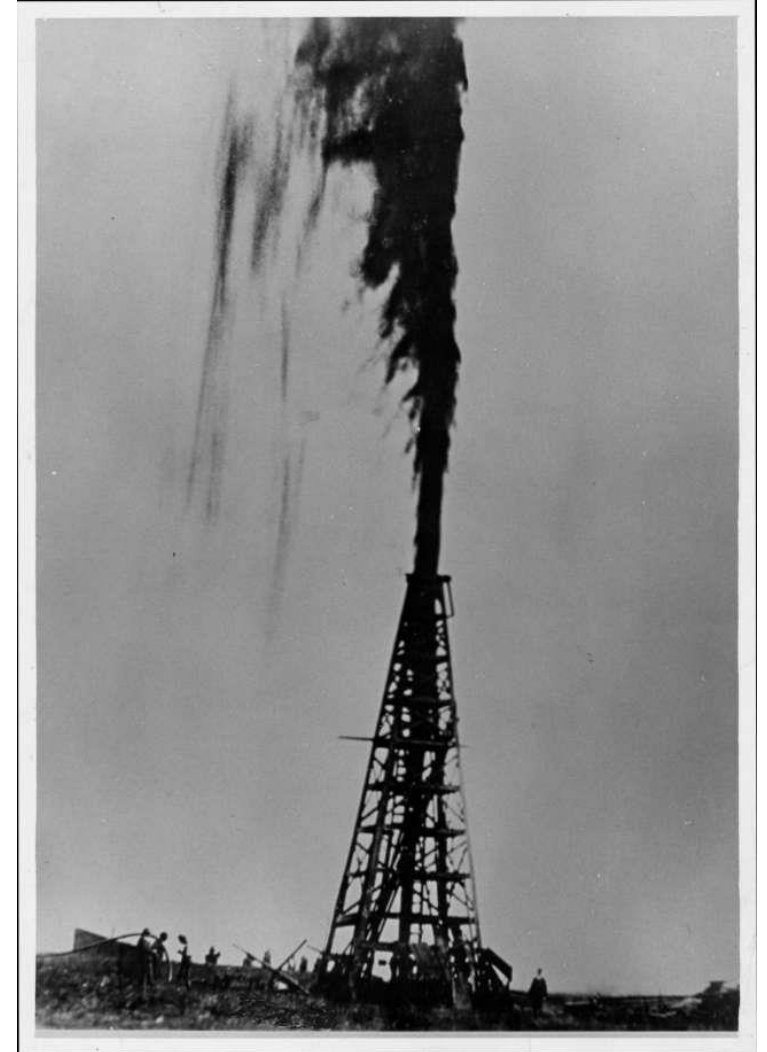
- Oil and gas are not found in large underground caves



Image: <http://www.mysanantonio.com/lifestyle/travel-outdoors/article/Natural-Bridge-Caverns-hosting-tour-of-aquifer-7959402.php>

Let's Clear Up Some Common Misconceptions (2/3)

- Oil gushing from a drilling rig would be an environmental, safety and corporate disaster



Let's Clear Up Some Common Misconceptions (3/3)

- If oil and gas are found under your property, you do not own it - the UK government does
- Unlike in USA



http://www.cotswoldlife.co.uk/out-about/events/rememering_farming_hero_joe_henson_1_4262529



http://www.npr.org/sections/pictureshow/2009/03/american_farmer.html

- Presentations (pdf) are available via the Eventbrite email link
 - or ask us for it on a USB stick
- Please fill in the feedback form
- Business cards for each speaker will be on the front desk
- Twitter: @SPE_London
- LinkedIn: 'SPE London Section'
- Meet each other, meet the speakers, ask questions.

Enjoy the day!