Health and Safety Executive



The Regulatory Framework for onshore oil and gas development

Tony Almond Oil and Gas Health and Safety Policy Health & Safety Executive

Introduction

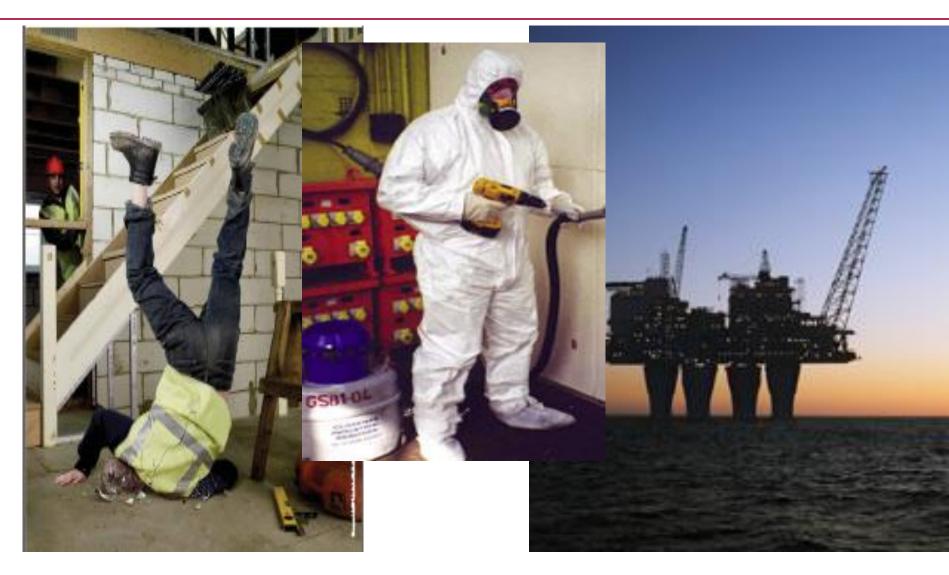


I will cover...

- Regulatory regime for onshore oil and gas wells
 - conventional
 - shale and coal bed methane
- Regulatory developments for storage of combustible gas and potential underground coal gasification

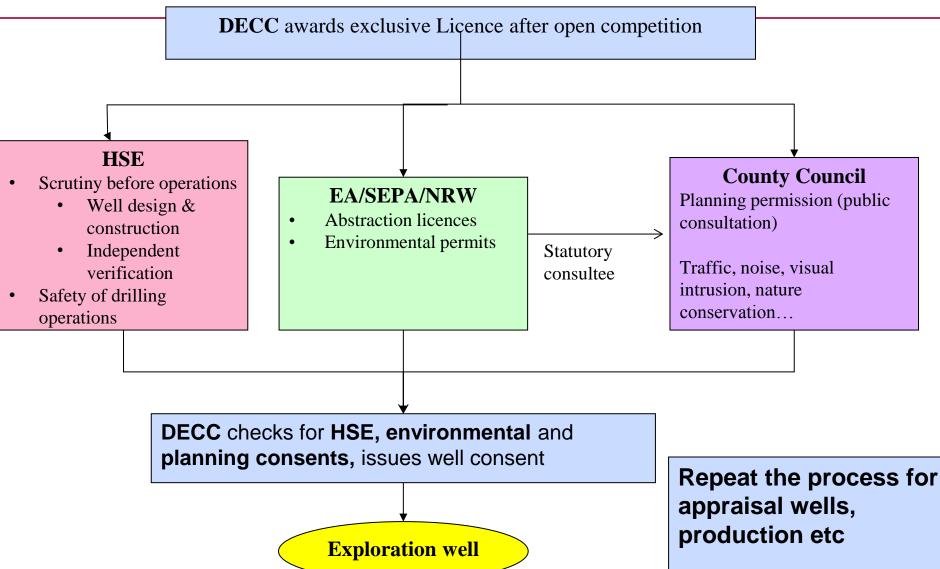
HSE

Health and Safety Executive's role



Regulatory landscape for unconventional gas







So what are the main hazards?

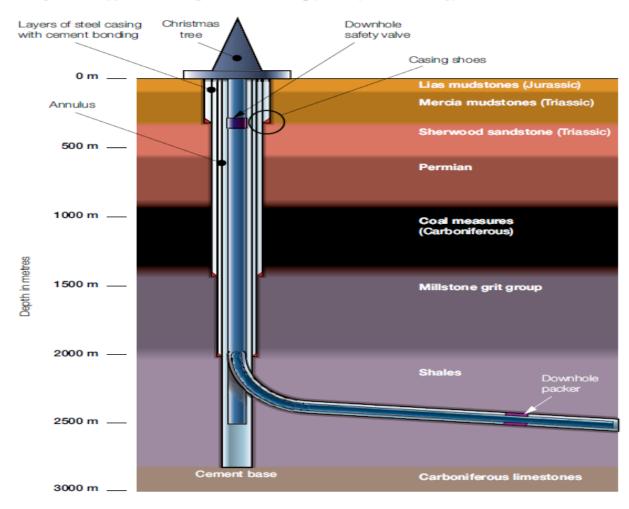


Diagram of typical shale gas well - testing phase (illustrative only)

The health and safety regulatory regime









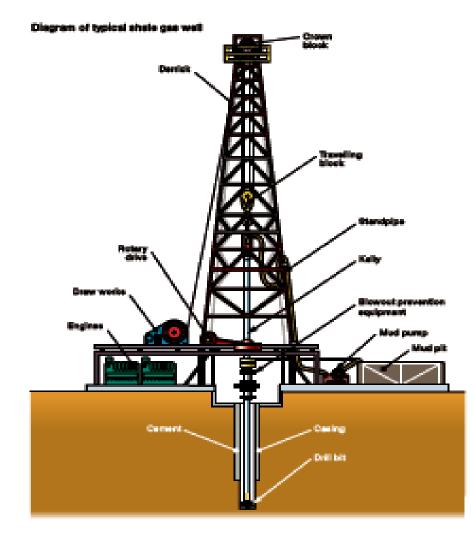
Inspection activity – wells and operators

Lifecycle approach

Joint Regulation



Designing the well - notification





Designing the well - notification

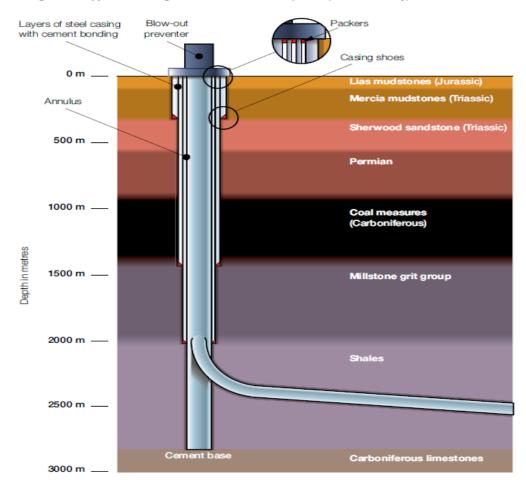


Diagram of typical shale gas well - construction phase (illustrative only)

Constructing the well - weekly report

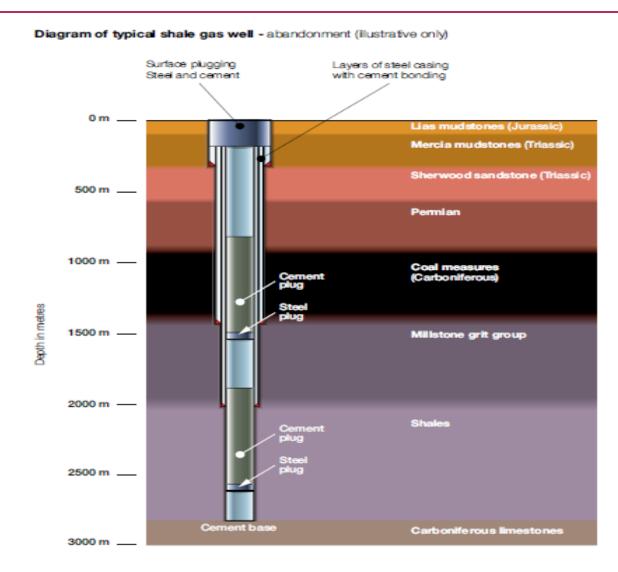


Details of;

- activity since the work started or since the last report,
- the diameter and depth of the borehole,
- the diameter and depth of the casing,
- drill fluid density

Purpose - to check against information in the notification and that the pressure in the well and the well's stability is as expected.

Decommissioning/ Abandonment





CombustibleGas Storage and UCG

- Combustible Gas storage
 - 80 wells in operation
 - small number of operators
 - all following borehole and wells regulations
- UGC
 - number of proposals in GB
 - onshore wells to near shore coal reserve

What will change



- Requirements of BSOR
- Requirements of DCR
- RIDDOR
- Changes take effect April 2016





- Need to make requirements clear for potential new operators
- European Commission's emerging view is 'Borehole Directive' (EEC92/91) applies to UCG wells
- Important that position in UK is clear to operators and public





- The health and safety regime
- How HSE regulates
- How HSE and other regulators work together
- The current position on combustible gas storage and UCG

www.hse.gov.uk/offshore.htm