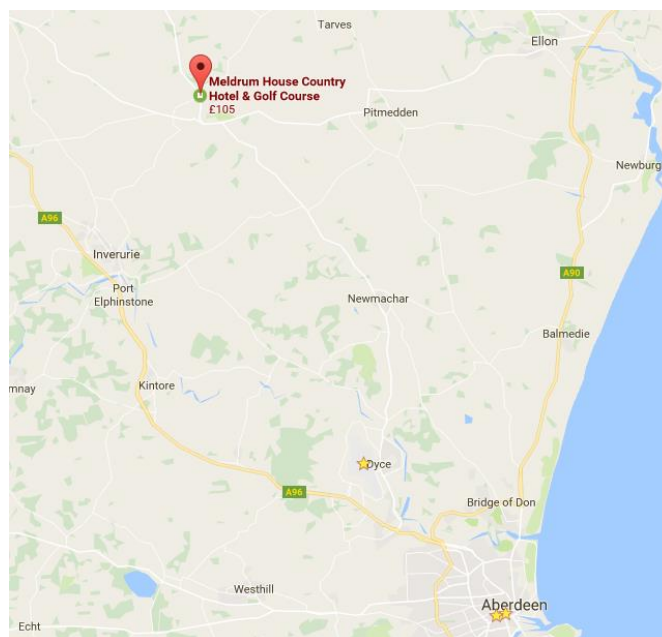


GMN technical meeting - meeting details

- Topic:** Well Abandonment
- Guest Speaker:** John Yules, from the OGA - tbc
- Start:** 09:00 11 May 2017
Finish: 14:15 12 May 2017
- Venue:** The Stables, Meldrum House Country Hotel & Golf Course, Oldmeldrum, Aberdeenshire, AB51 0AE
Tel: +44 (0)1651 872294 | Email: enquiries@meldrumhouse.com
Website: <http://www.meldrumhouse.com/>
- Host:** ConocoPhillips
- Secretariat:** Debbie McIntosh, OTM Consulting; debbie.mcintosh@otmconsulting.com
Tel: +44 (0)1372 631955
Dawn Dukes, OTM; dawn.dukes@otmconsulting.com
Tel: +44 (0)1372 631954
- Last call-Abstracts:** Friday 14th April 2017
- Hotels:** B&B rooms at a reduced rate of £150/ night (inc. VAT) are being held at the Meldrum House Country Hotel & Golf Course, Oldmeldrum, Aberdeenshire, AB51 0AE. To book you hotel room, please contact the hotels' events co-ordinator to book directly from the block reservation:
Tel: +44(0) 1651 872294 | Email: Natalie.Stephenson@meldrumhouse.com.
The rooms will be held until 14 days prior to the event
- Travel to Meeting:** 8 miles from the A96, 14 miles from Aberdeen Airport, 19 miles from Aberdeen train station
- Dinner - Thursday:** Dinner will be hosted by ConocoPhillips at the Meldrum House Hotel. Please advise OTM in advance of any dietary requirements



Topic

The topic for the next GMN meeting is:

Well Abandonments

1.1 Introduction

With many fields approaching the end of their life, companies are coming to terms with Cessation of Production and lengthy, often complex, and expensive well abandonment campaigns. There is a range of expertise and experience from companies who are starting out on the process to those who are several years into multi-well abandonment campaigns.

Oil & Gas UK's 2015 Activity Survey estimated decommissioning costs at £41-46 billion (\$63-70 billion). However, attendees at the SPE's European Well Abandonment Seminar in Aberdeen in April 2016 were told that, based on real costs, the figures are closer to £40-70 billion (\$61-107 billion).

Plugging and abandonment of wells is one of the highest cost areas – comprising about 60% of the total decommissioning cost. Based on real data, platform wells range from £2-8 million (\$3-12 million) per well and average £3.8 million (45.6 million) per well. Subsea wells have been as high as £13 million (\$19.9 million), with the low at £4 million (\$6.13 million) and the average £6.8 million (\$10.42 million).

The focus of this meeting to share knowledge on what is required to meet country guidelines for abandonments, and how well abandonment costs can be reduced through an understanding of the regulations, the subsurface, the PPFG regime, and use of both existing and newer technology. Questions may include, but not be limited to:

- How many wells do you have to (or plan to) abandon in the next 5 years?
- What zones do you isolate?
- Which zones do you allow to cross flow? What work is done to permit this?
- How do you prove / assess cement bond isolation?
 - Do you use old logs from the time of drilling?
 - Do you acquire new cement bond logs?
- Can formations, swelling shales or salts, for example, be used instead of cement?
 - Do you have examples of this?
- How do you assess the formation pressure in shallow and intermediate formations, which have little or no pressure data?
- What level of involvement do the GGRE personnel (geopressure experts, petrophysicists, geologists, geophysicists and reservoir engineers) have in well abandonments in your organisation.
- Are companies involved in government or regulator forums?

Through sharing ideas and lessons it is hoped that companies can learn and benefit from each other within the open environment that the GMN meetings provide. At a macro level, is there a way that companies can group together to influence regulators to the mutual benefit of oil companies and tax payers alike.

This might be a meeting where you could bring a friendly driller/ abandonment engineer.

1.2 Presentations

Each company is asked to prepare slides for approximately 30 minutes of presentation and 10 minutes for Q&A.

As witnessed at previous meetings, the demographic of the group continues to evolve and with this we politely request that presentations are sourced from each company's global resource pool and not only from the North Sea (unless of course your company only holds North Sea acreage). The meeting is a technical forum and these presentations are intended to provide a background to stimulate the discussion period. Please ensure you include case studies; and come armed with company and other industry experiences, to bring the lessons learnt and best practices to life more effectively.

1.3 Organisation

Please advise OTM who will be attending if you have not done so already, as there is a limit on numbers in the reserved meeting room.

We also need to know if you require remote access (teleconference/ videoconference) to the meeting including all names of those who wish to attend remotely.

1.4 Abstracts

To be populated by member companies by Friday 14th April 2017