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**Subject:**  
**Attachments:**

Dear Jonathan, Oliver,

Following our meeting of 6 January 2017 and subsequent discussions, please find attached an outline of works required to plug and abandon two wells at Springs Road, Misson and for the surface reinstatement.

I trust this reflects the meeting of 6 January 2017 and that we are nearing the signing of the S106 and issue of planning permission. Should you require any clarification or need any further information please do not hesitate to get in touch.

Kind regards,

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Heaton Planning Ltd  
9 The Square, Keyworth, Nottingham, NG12 5JT.

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## Abandonment, Decommissioning and Restoration

This report sets out the abandonment, decommissioning and restoration of the site and provides budgeted figures for the vertical and horizontal wells and the restoration of the site upon the successful abandonment and decommissioning of the site. It is considered that an insurance policy for **12(5)(f) 12(5)(e)** is appropriate to provide a financial guarantee for the abandonment and decommissioning of a vertical well and horizontal well and restoration to existing land use at land off Springs Road, Misson.

### Abandonment and Decommissioning

At the decommissioning phase, all plant will be shut down and any services such as telecommunications, power, water supplies and other buried pipelines shall be severed and made safe.

The wellheads and any surface valve arrangements will be removed and the well will be plugged and abandoned in accordance with OGA, HSE, Environment Agency and industry (Oil and Gas UK) requirements.

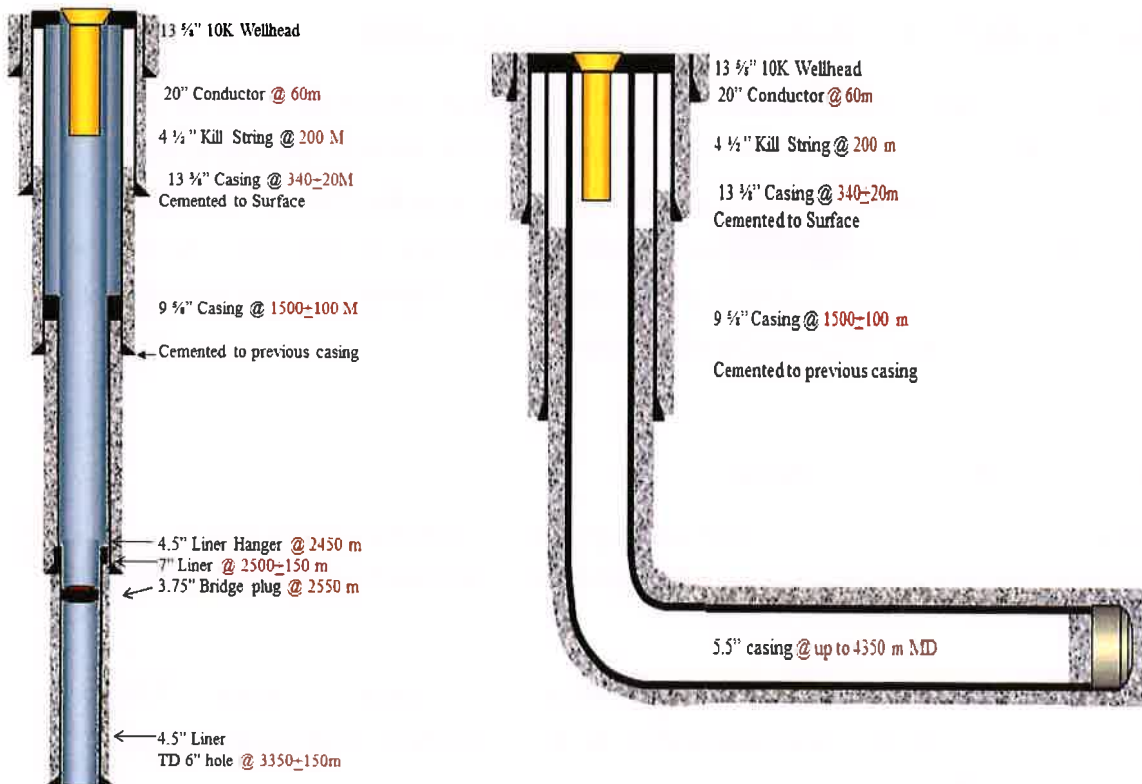
#### *Requirements for plug and abandoning wells:*

- Rig mobilisation and demobilisation – to include rig, ancillary equipment, transport, crew;
- Tubing;
- Wireline tool and service (if needed);
- Ancillary equipment – cranes, vacuum tankers, lights, etc; and,
- Cementing – supervisor, operators, pump trucks, Cement, cementing additives.

Requirements for Vertical Well up to **12(5)(f) 12(5)(e)**

Requirements for Horizontal Well up to **12(5)(f) 12(5)(e)**

**12(5)(f) 12(5)(e)**



## Restoration

All construction materials, below the geotextile membranes and remaining on-site infrastructure (site offices, security and fencing / gates) will all be removed from the site to be reused, recycled or disposed of at a suitably permitted waste disposal facility and will require the following vehicle movements:

- Site stone – estimated 215 lorries
- Geotextiles and bentofix – 22 lorries, to allow for bulking up of materials on removal.
- Cellar surface slab and vertical tank slab – 16 lorries (assuming sub-surface cellar remains in ground)
- Perimeter pipe in drain – 2 loads
- 45,000 litre tank – 1 load for tank
- Concrete surround – 3 lorries
- Access widening strip – 3 lorries for stone
- Geotextile surround – included within geotextiles and bentofix above.
- Approximate total = 262 loads for materials.

The wellsite area will then be restored to its original condition.

During restoration, appropriate measures will be taken to prevent mud and other deleterious material being deposited on the public highway by vehicles exiting the Site.

An after-care scheme is not proposed – as it is intended that the Site will resume its use as part of the existing commercial business premises following restoration.

Based on the above vehicle movements and restoration experiences throughout the UK including over 70 sites within the East Midlands area a conservative budget figure for the site restoration 12(5)(f) 12(5)(e) is proposed. This number is not including cost savings that can be recovered from selling the materials to other contractors which usually happens during restoration.

