

Surveyors Field Kit

ANDY FRANKLAND

Manager Drilling Equipment Centre of Excellence



HOW WE USED TO DO IT!



We acknowledged the need to provide our surveyors with more suitable, multi-purpose equipment for performing various types of surveys and commissioning services.

We looked at what type of surveys we performed, how we performed them and what information we needed from them.

With the assistance of Stopdrop we have developed a surveyors field kit which is designed to be used for both normal operations and when working at height.

We have been field testing various equipment for several months.



Along with Stopdrop equipment we have also selected DETECTAMET pens and Pentax Optio cameras as the most suitable equipment for our surveyors working at height.

However we are still looking at how we can improve and fine tune equipment and processes. We recognize it will be a continuous improvement process.





The first prototype surveyors field kit.

There have since been several revisions made during field trials, note that not all equipment shown here is suitable or intended for WAH.

DROPS SURVEYS

Our Drops surveys are basically inspecting the rig the same way as the rig crew themselves would inspect.

We look at how the efficient the rig crew are at their inspections as well as the actual condition of equipment and areas in relation to the rig records.

For this type of survey we normally only require a camera, or where cameras are not allowed a notebook and pen.

Taking photos is a one handed procedure.

Especially handy when in a harness on a derrick ladder.

3 point contact can still be maintained when taking photos.



Also the actual act of taking photos is easier with fingerless gloves.



CONDITION SURVEYS & COMMISSIONING SERVICES

However we also perform other types of inspections where we do have to carry tools or documents aloft.

Many times we find that rigs do not have any, or limited, suitable tools or equipment for working at heights. This means we have to supply basic equipment for our surveyor to allow them to perform their work safely

Through field testing and with feedback from our surveyors we have determined the basic equipment suitable for our particular type of work.

Sturdy bag
designed to hold
A4 clip boards /
files / drawings
etc.



Fingerless gloves which allow surveyors to write notes without having to take off their gloves.

10 times more cut resistant than Kevlar & certified to EN388



Don't forget the water bottle.

A simple but necessary item when working aloft for extended periods.





Typical surveyor equipment for working at height

The bag should be worn with its strap under one of the straps of the safety harness.

Note the safety whistle.



The bag is also designed to hold our ruggedized laptop which we use for various types of surveys and commissioning services.





We are also looking at using a multi purpose MSA Work at Height hard hat certified to EN397 for working in all areas, not just at heights.



MSA 520 work at height and standard MSA 500 hard hats.



Compared to Petzl and Camp



We have had the most issues with a workable design for securing the pen and notebook and have made some revisions to this design.

We are trying to provide security of these basic items without making it too cumbersome.



ModuSpec have their own internal learning and assessment system. This will be used to train our surveyors on the new equipment and also to inform of any updates or improvements.

Thank you for your attention

Questions?

