Safety First!

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BGR Bundesanstalt für Geowissenschaften und Rohstoffe

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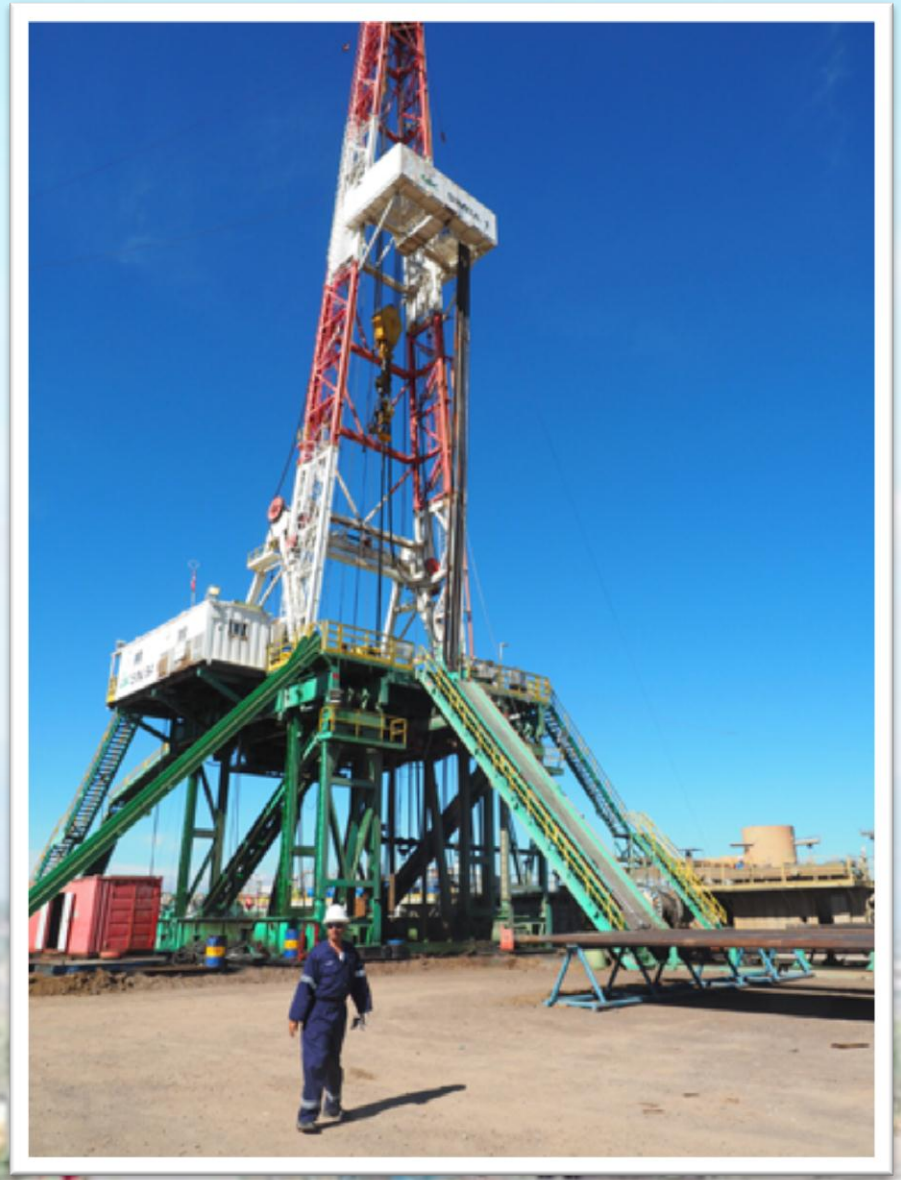
Safety First

It all starts with good planning!!!



It begins with construction of an adequate drilling pad and an appropriate sump.

Would consider this as an ideal location to build your pad?

Well – several years ago, this was an area chosen.

And this is what could happen – where did the drill rig go???

Once you begin drilling, your first line of defense is the Blowout Preventer (BOP).

And this is the control unit on the Massarenti 7000 that drilled LA-9 and LA-10.

Anyone volunteering to activate the controls on that BOP if this happens?

Well blow out
Imperial Valley, California 1998

Would you be comfortable trusting this BOP?

But the BOP is just step one in bringing a well back under control – we now need to “kill” the well.

Killing a well requires substantial amounts of water available on site:

A minimum of
2000 liters per minute.

It is vital that storage is provided through the use of any open pond (as shown).

Or through the use of above ground tanks, such as these at Menengai in Kenya.

Whatever storage system you choose, please remember that it is not just about storage, but there is a vital need for adequate pumping capacity as well.

So with that short emphasis on safety that you will hear over and over the next two days, I will turn the program over to Sam Abraham.

Remember it is all about employing Best Practices in all aspects of drilling.

Taking short cuts is always a risky idea.

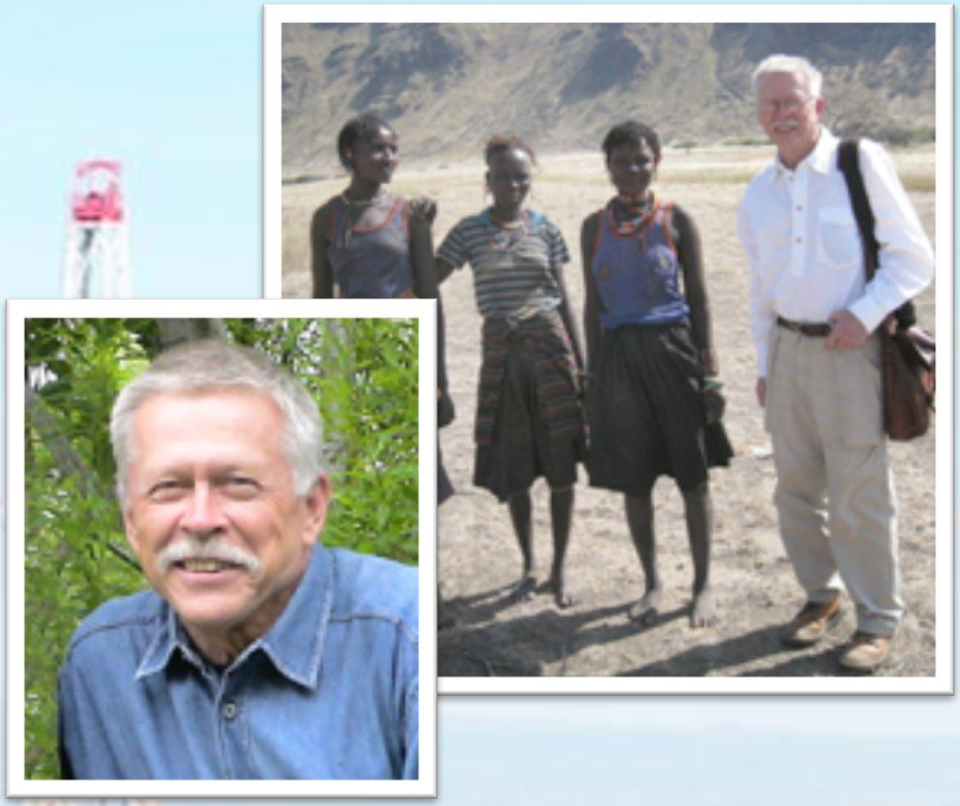
Making poor decisions can cost you your project and maybe your life or the life of one of your colleagues.

Los Angeles Times

June 15, 1991

Blowout Shuts Geothermal Unit in Hawaii

Hawaii state officials ordered a geothermal company to halt all drilling Friday after a well blowout spewed toxic gas and routed 75 people from their home on the island of Hawaii.



Thank You!

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