

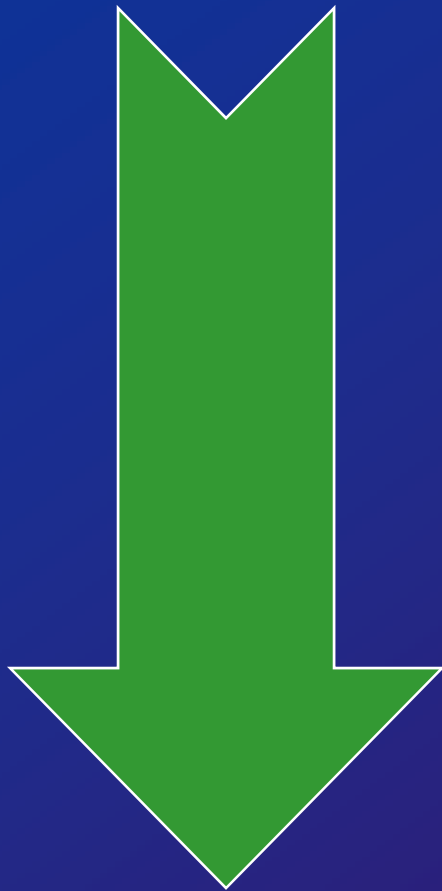
Fall 2009 meeting

# The politics of well locations



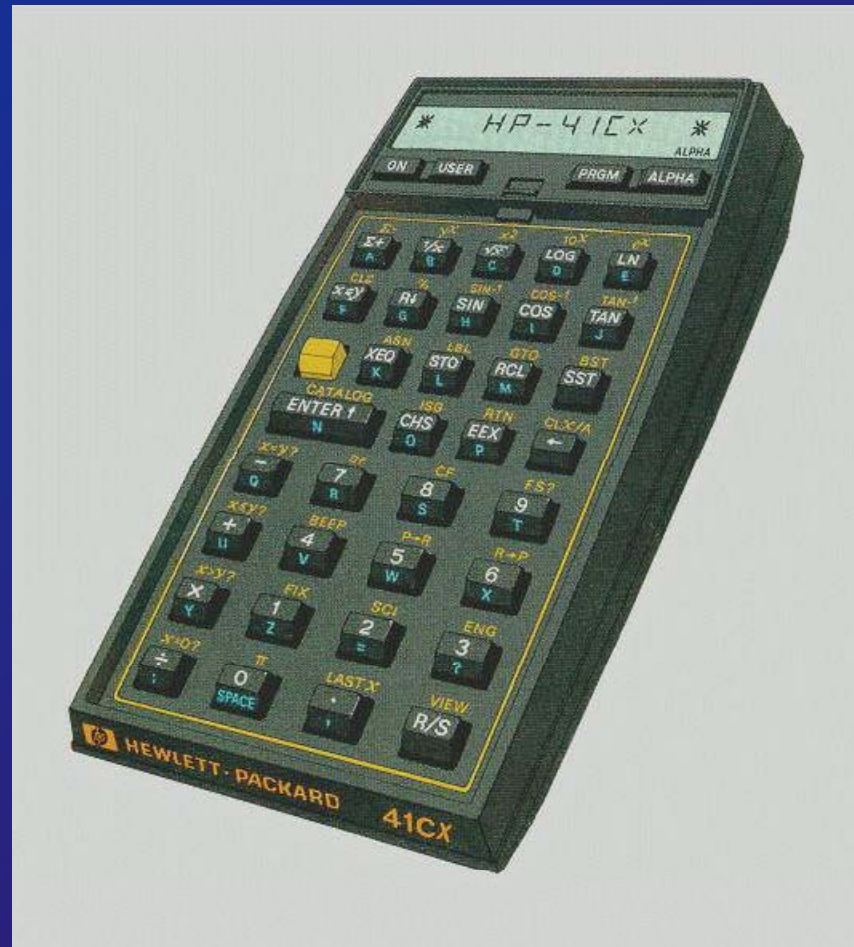
Roger Lott

# *50 years of well positioning*

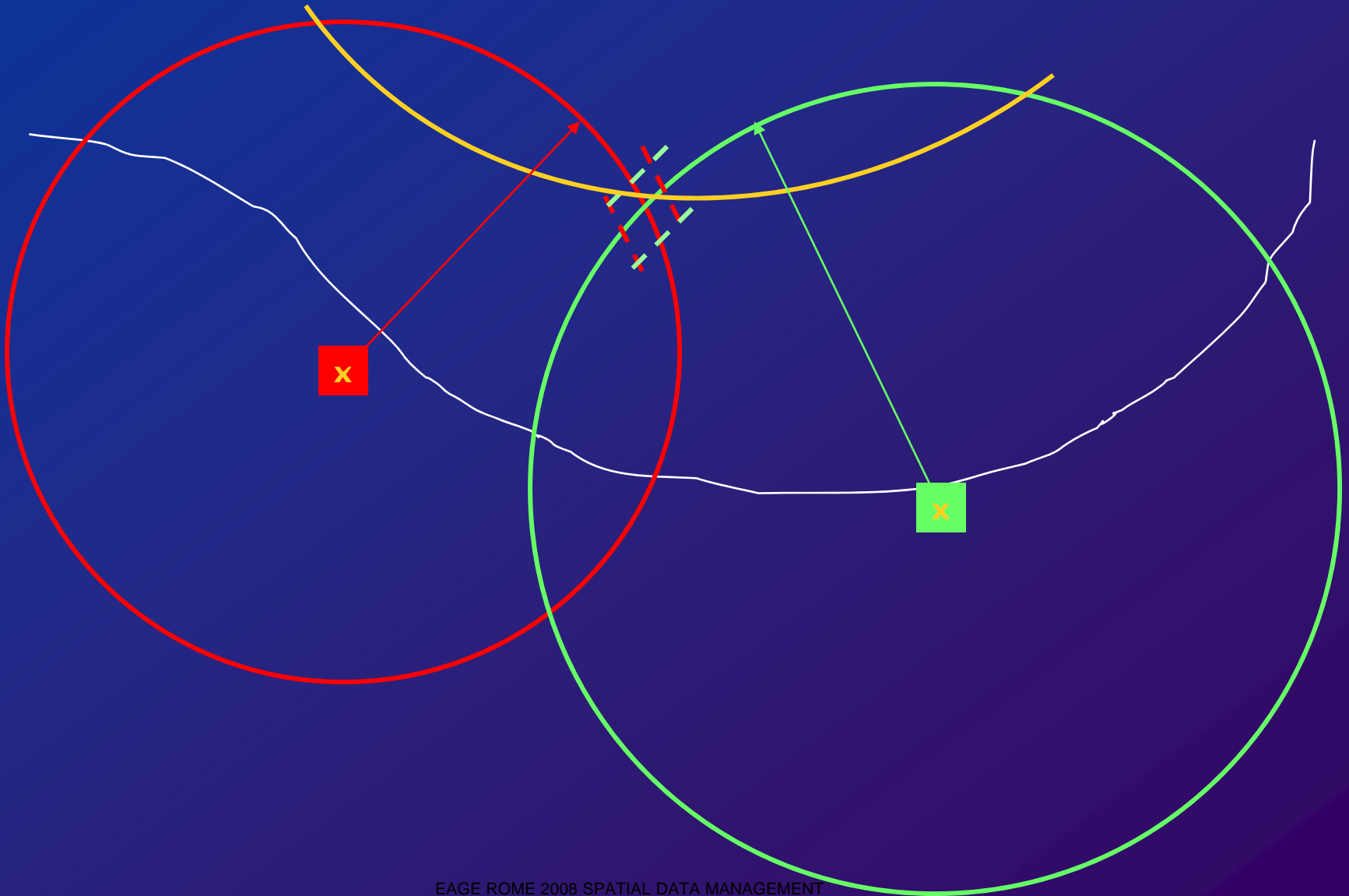


- 1969 Man on moon
- 1979 Commercial computers
- 1989 Berlin wall  
3D seismic, EPSG dataset
- 1999 GPS S/A off  
APSG up and running
- 2009 APSG 10<sup>th</sup> Anniversary meeting
- 2019 ?

# Computing power



# *50 years of well uncertainty*

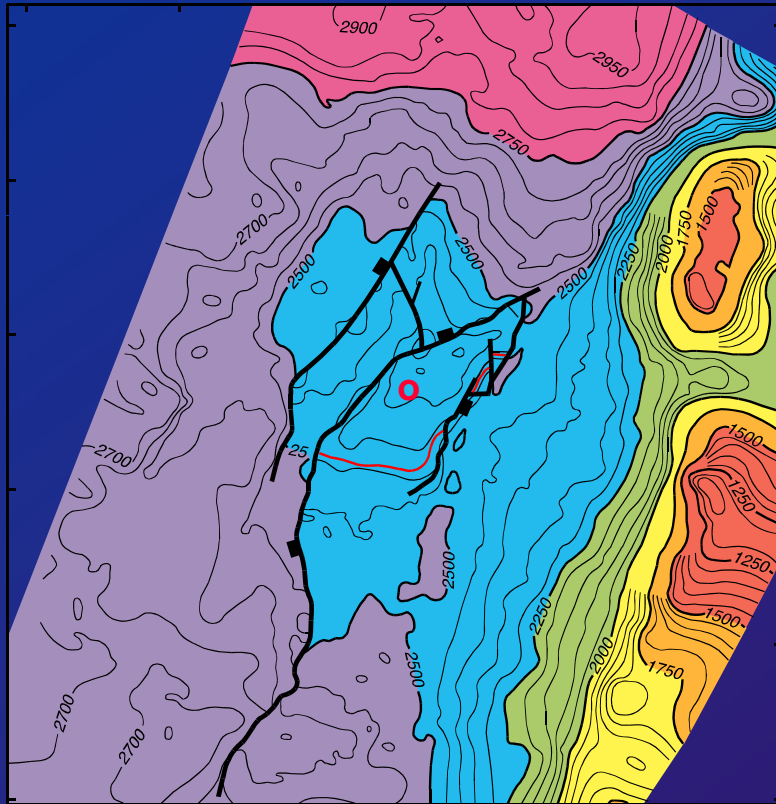


# *Drillers know best*

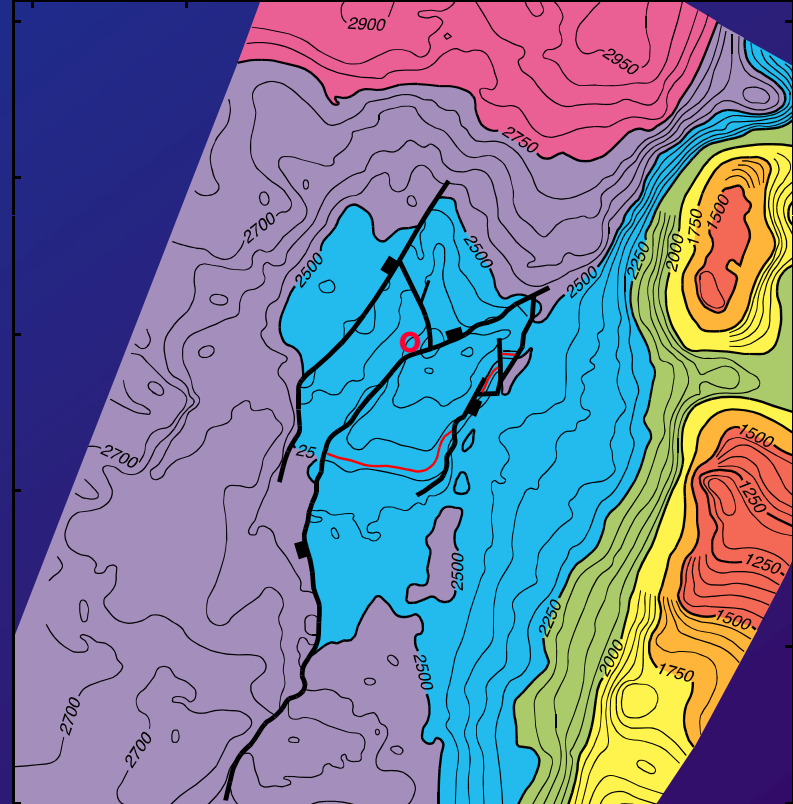


# *Are partners are a pain in the butt?*

↑ Grid north (coordinate reference system 1)

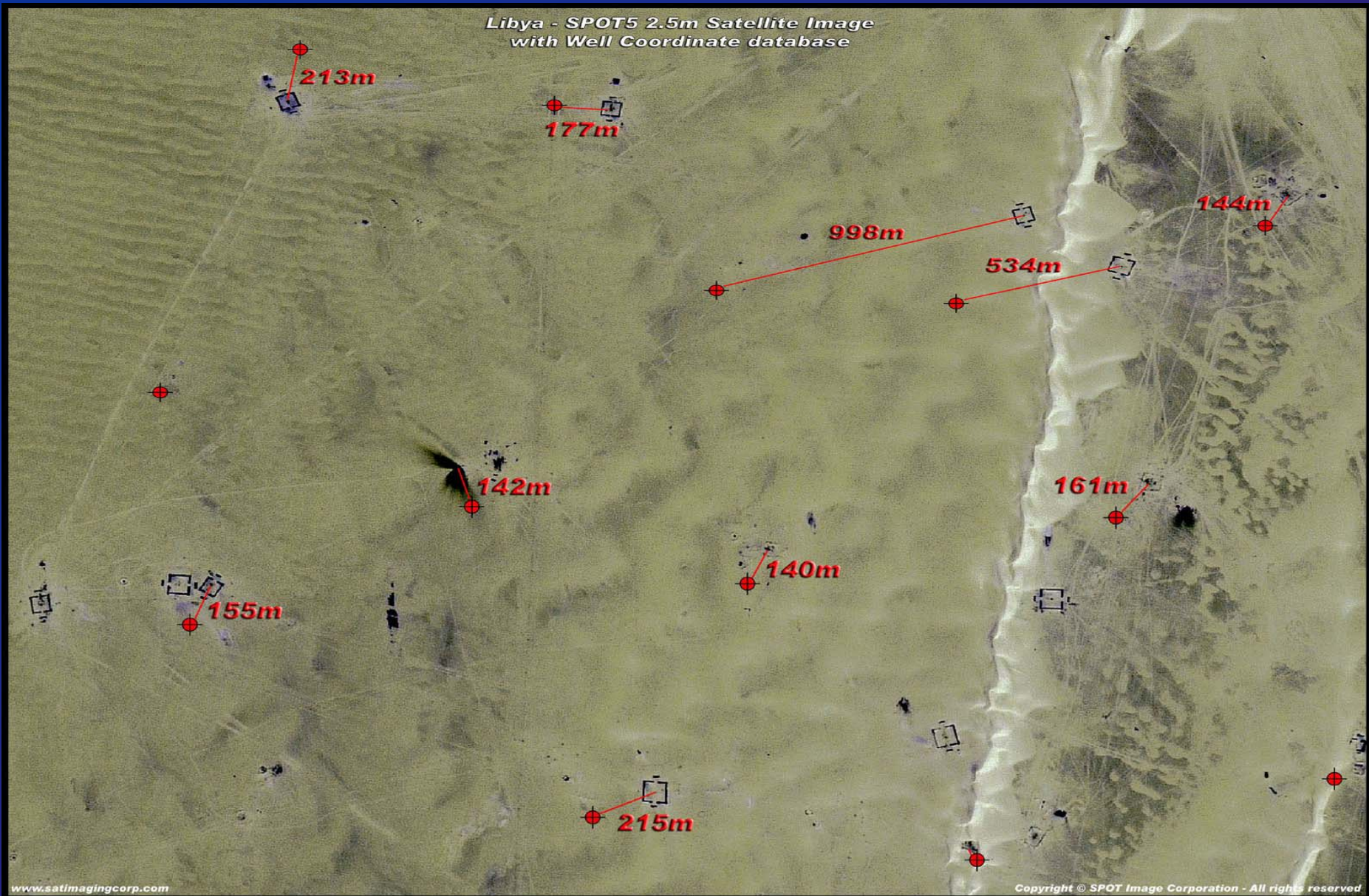


↑ Grid north (coordinate reference system 2)





# Well locations



# *Don't forget the vertical*

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- **Elevation**
- **Well bore**

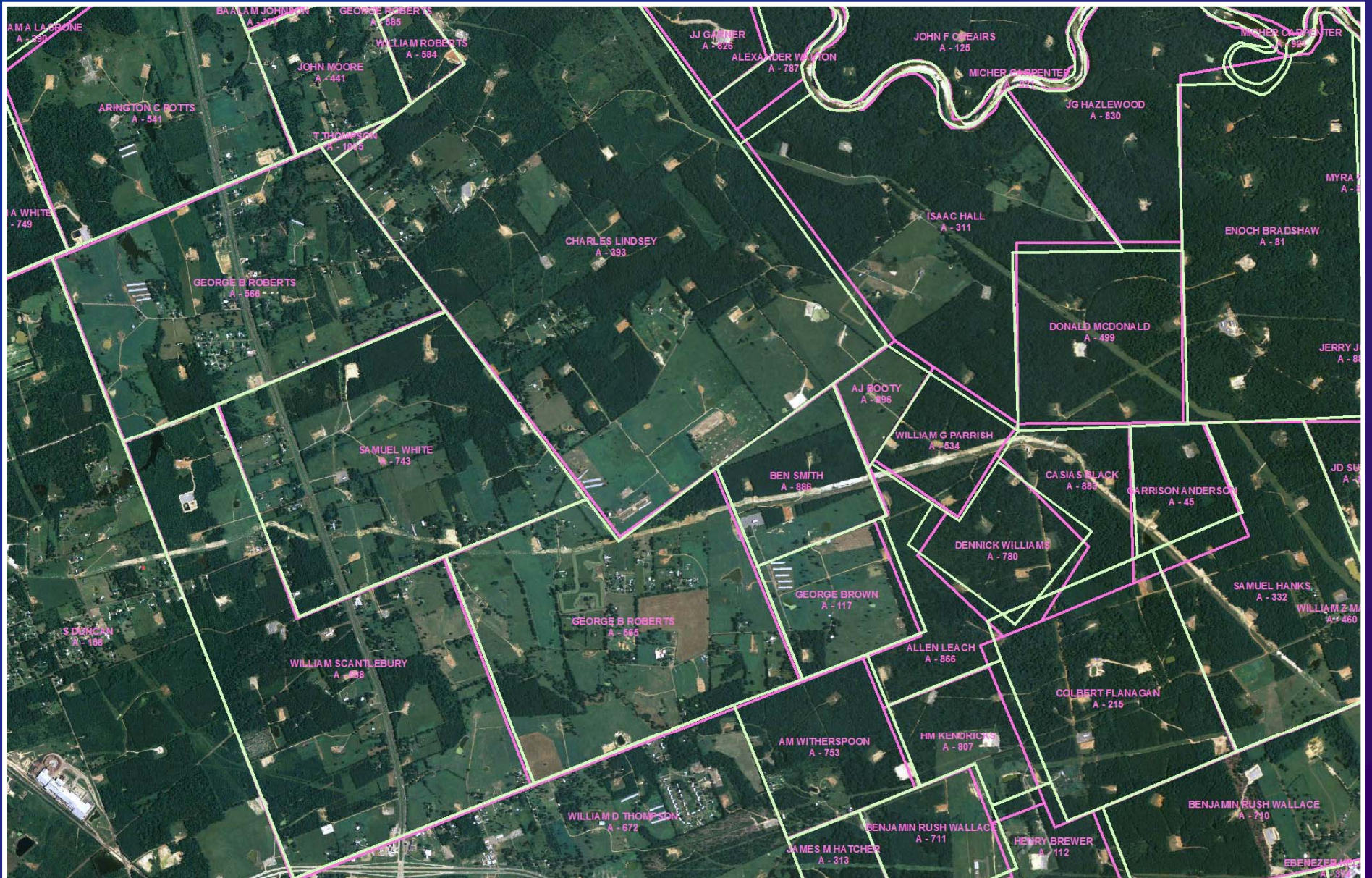


# GPS





# *Not in my back yard*





# *Where are we now ?*

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- **GIGS**
- **APSG education program**
- **APSG meetings**

# *10 years into the future*

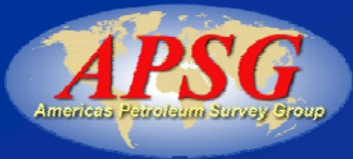
- where do we want to be?
- fully integrated !
  - people
  - tools
- how do we get there?



# *How do we get there ?*

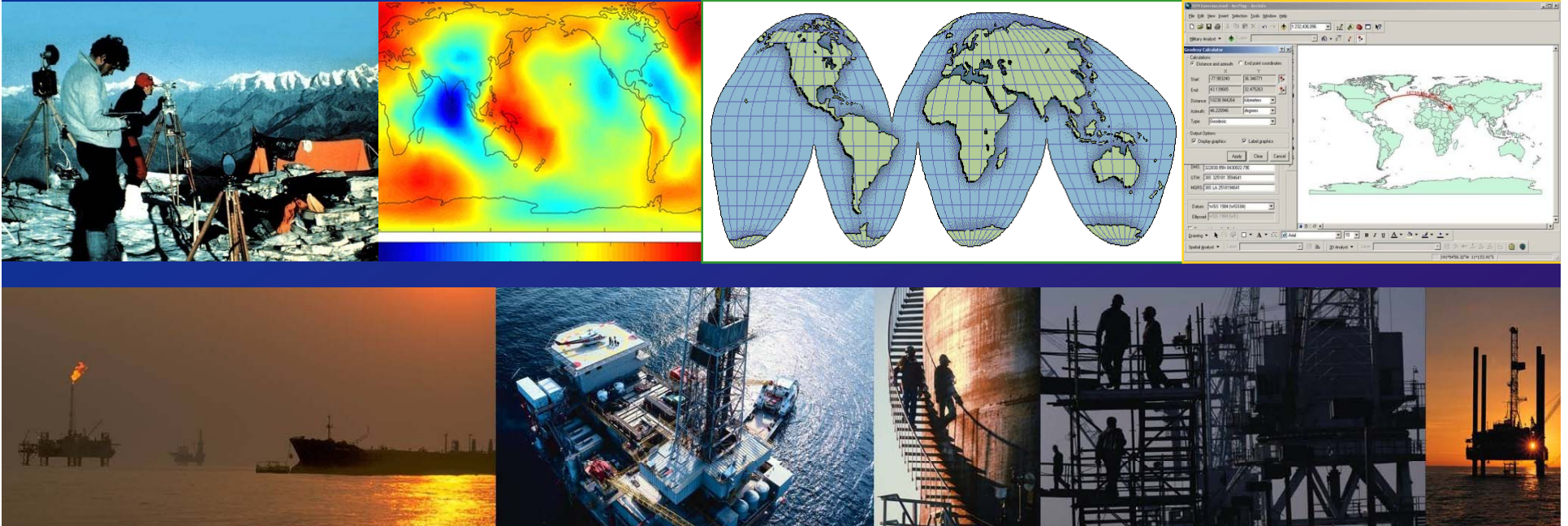
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- OGP
- SEG
- APSG



# *The politics of well locations*

Fall 2009 meeting



## Thank you !