Managing survey video data for quick and easy access

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Acknowledgements
Agenda

• Introduction
• Capturing and processing data
• Storing & delivering data
• Managing video data for value
• Conclusions
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Status in 1991?

After Tonstad, 2002
Examples from Analytics in E&P (Courtesy Teradata)

Well data example
- 50% of time spent preparing data

Seismic / Navigation data example.
- 80% of time spent finding & preparing data

Time spent on Data Science (O’Reilly, 2016)
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Where does our data come from?
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Data Storage
Data Delivery

Cable everywhere (nearly) – massive capacity
Satellite – filling some holes at predicted speeds approaching 1Gb/s
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Video surveys
Moving to “modern” technology
Digital Video with GIS and 3D Viewer
Multi camera views
Multi camera with time lapse
Multi camera with time lapse
Ensuring availability (options)

Multiple business continuity / disaster recovery options

Standard Internet connection

Ovation

Houston

Replication

Ovation

London

Client
Business advantages

• Data available when you need it
  – Not a few days later

• Can be managed internally or as an outsourced “cloud service”

• Cost of getting data onto this platform is not high

• Benefits far outweigh the costs
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Conclusions

• Managing and delivering data to users through the internet does work!
• Delivering from the “cloud” is a cost effective solution
  – OPEX rather than CAPEX
• Quicker – faster – cheaper
Acknowledgements
Thanks for your attention

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