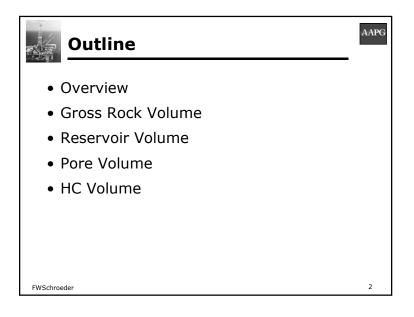
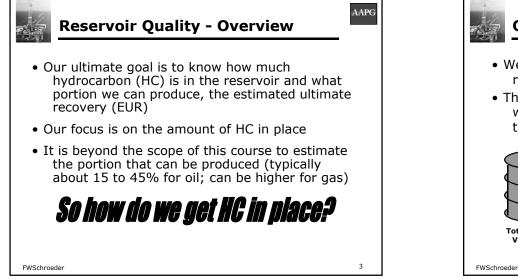
	Lecture 8	AAPG
	Estimating Ultimate Recovery (EUR)	
	NOTE: These materials are for educational purposes for undergraduate and graduate students ONLY. If you are not a student or faculty member, please do not use these resources.	
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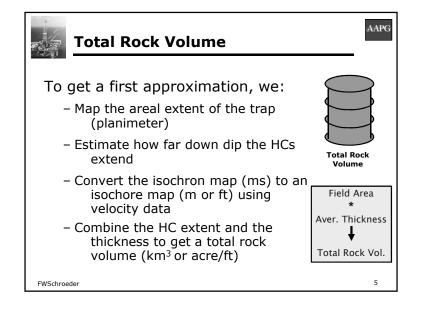
 Then we reduce the volume step-by-step until we get an estimate of the volume of HC in the reservoir – gas in the case of Barracouta

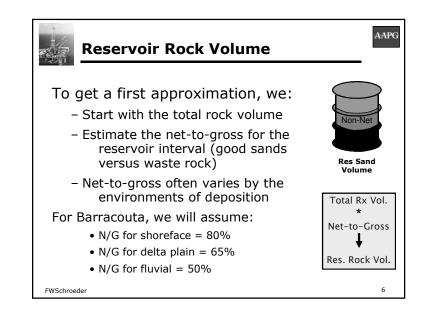
rock

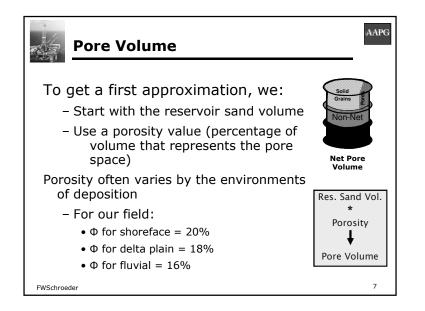
	RESERVOIR Non-Net	Solid Grains B Non-Net	Solid Grains Non-Net
Total Rock	Res Sand	Net Pore	HC
Volume	Volume	Volume	Volume

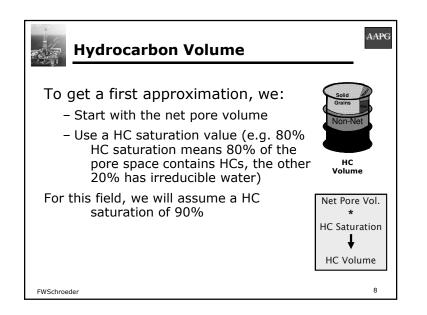
Jume

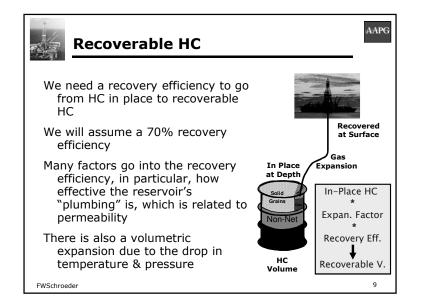
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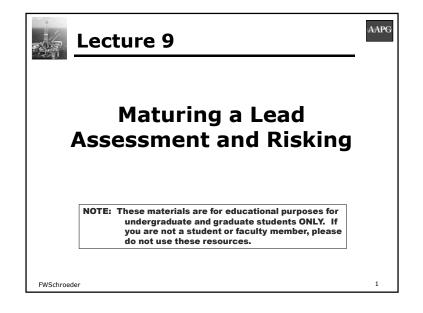


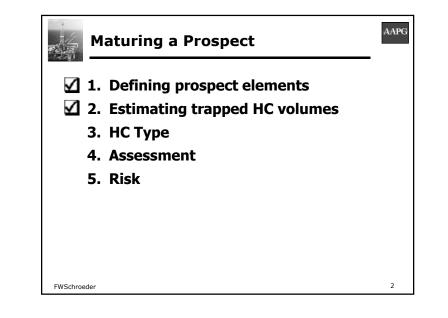


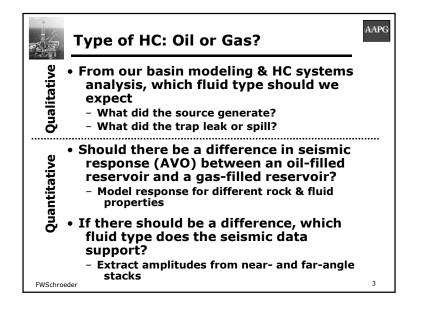


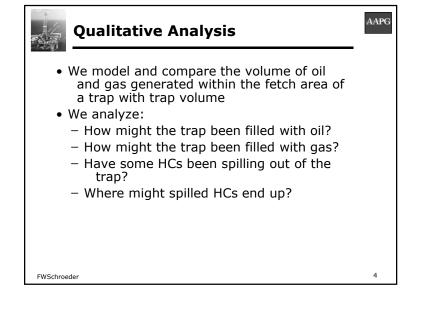






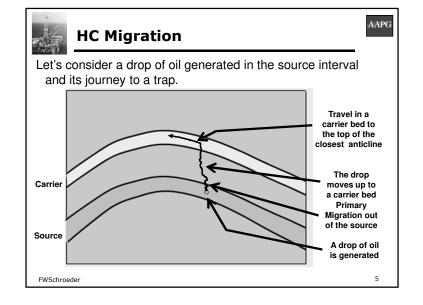


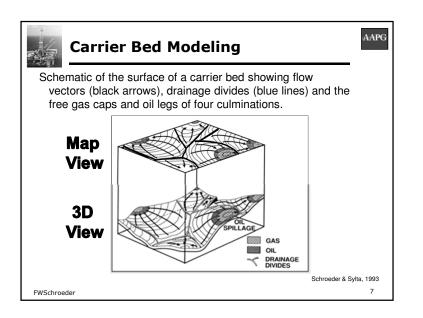


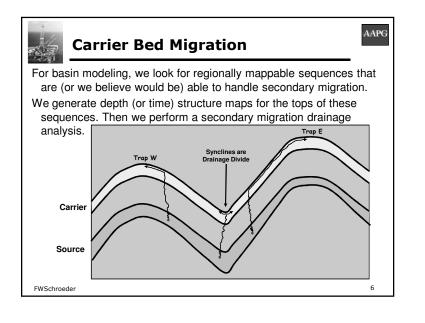


AAPG

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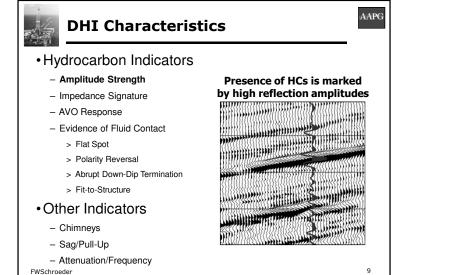


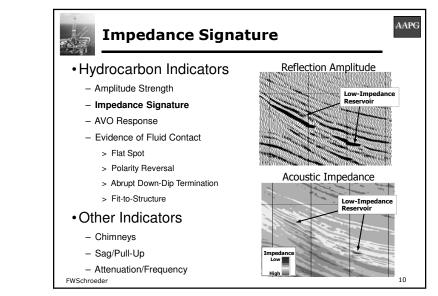


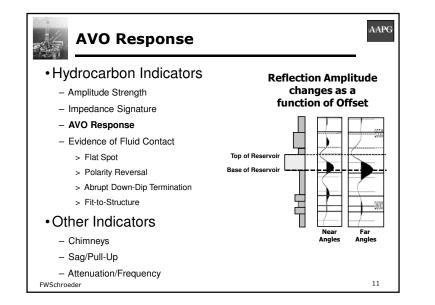


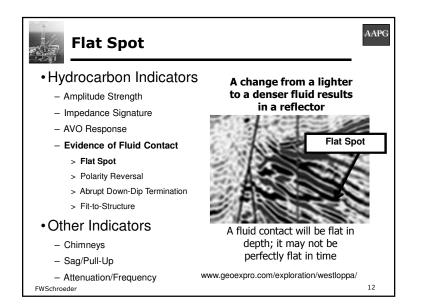
- Use the seismic data to increase our confidence that HCs are present and, perhaps, how much HC volume is present in the trap
- We look for and use DHIs Direct Hydrocarbon Indicators
- Seismic DHIs are anomalous seismic responses that are caused by the presence of hydrocarbons
- DHIs occur when a change in pore fluids causes a change in the elastic properties of the bulk rock which is seismically detectable (i.e. there is a "fluid effect")
- DHIs display one or more types of characteristics that are consistent with hydrocarbons filling pores in a rock matrix

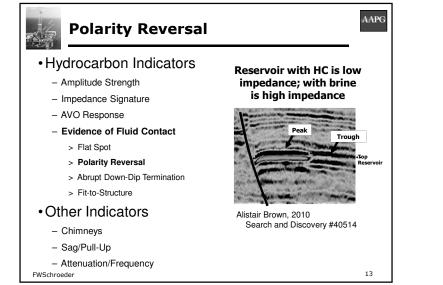
FWSchroeder

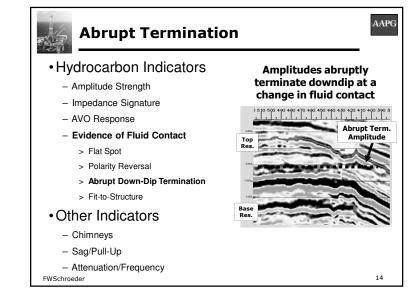


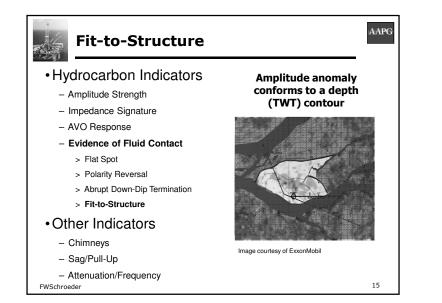


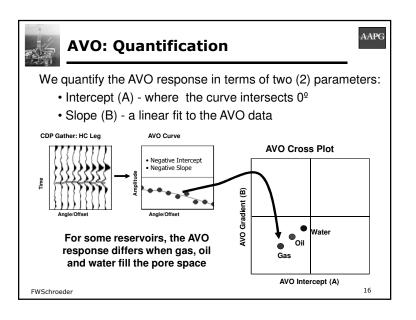


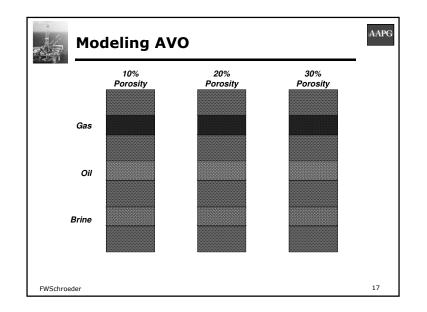


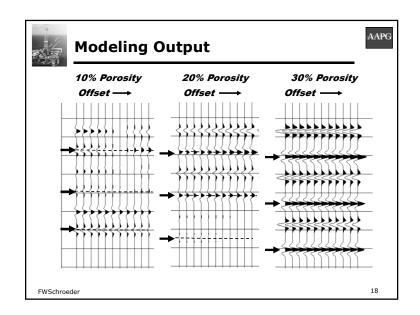


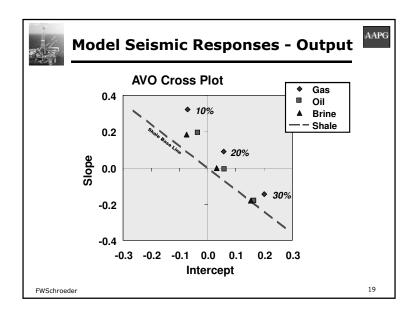


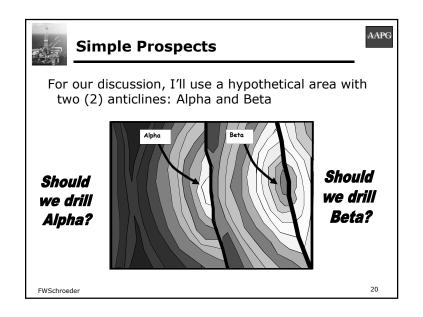


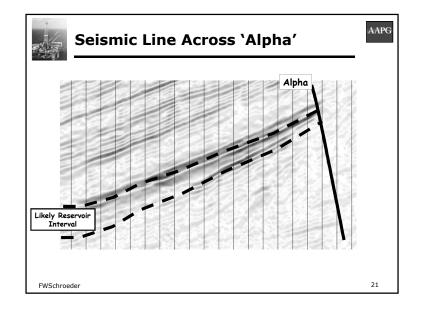


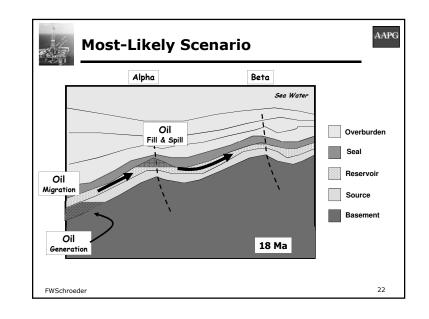


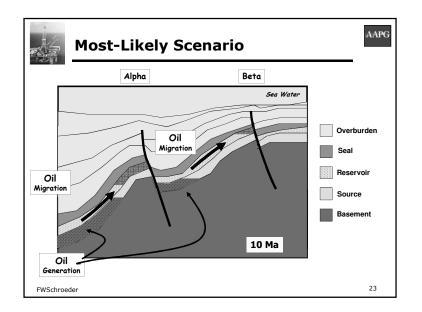


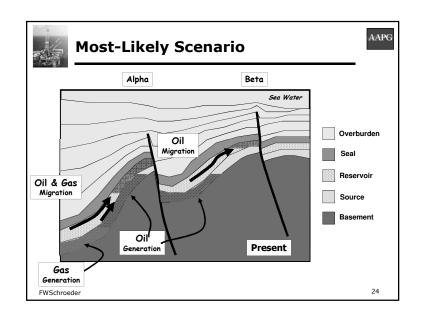


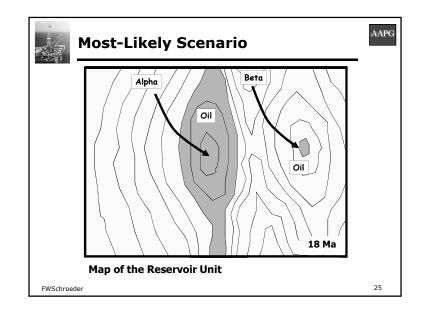


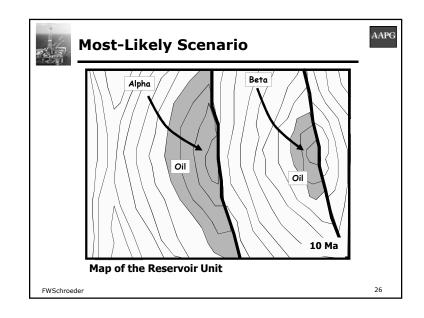


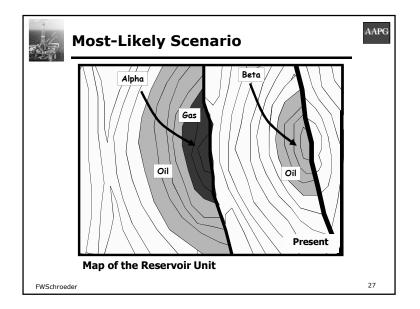


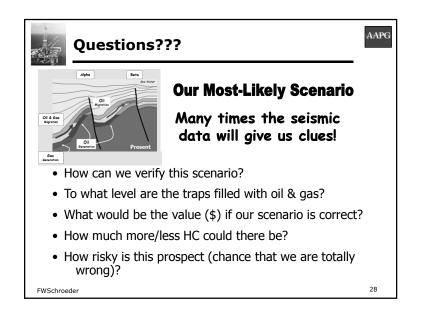


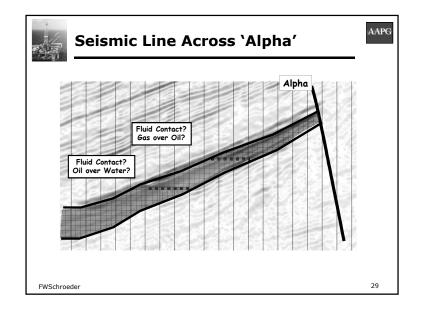


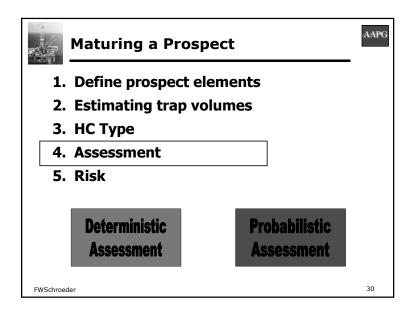


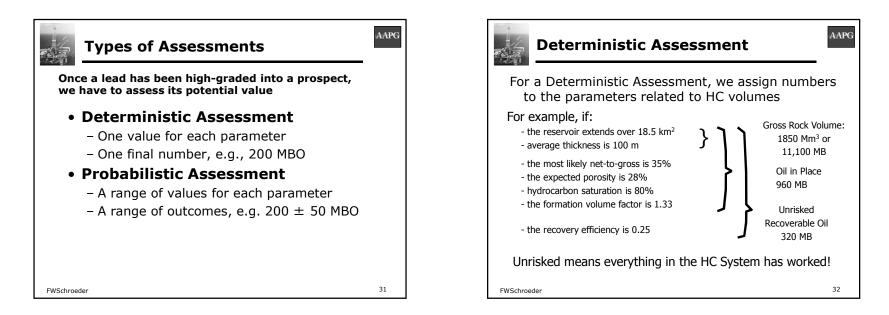


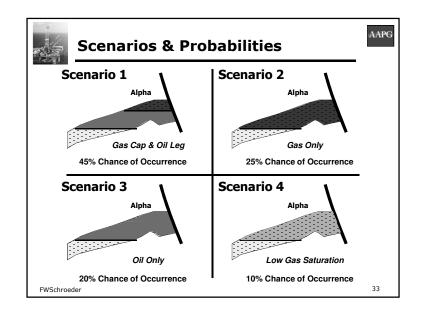




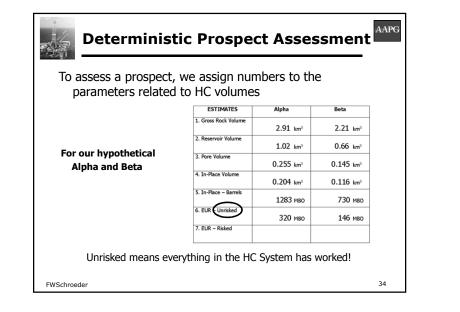


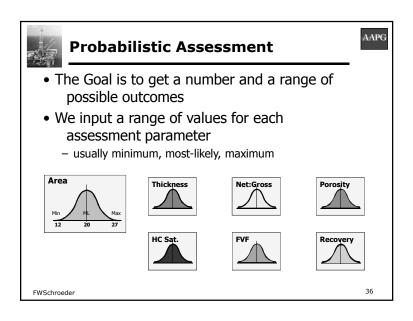


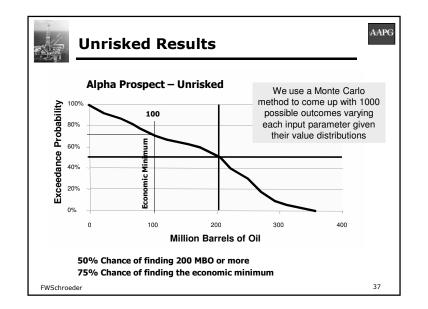


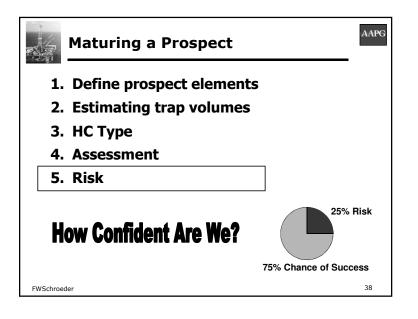


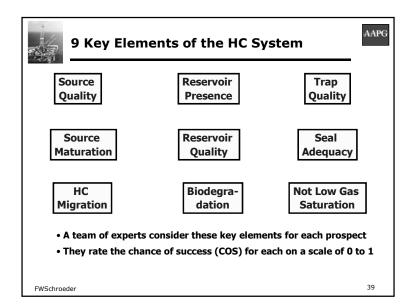
	Oil Million Barrels Oil	Gas Billion Cubic Ft Gas	Oil-Equivalent Million Oil Equivalent Barrels
Scenario 1 Oil & Gas	240 MBO	120 GCF	260 MOEB 6 GCF = 1 MB0
Scenario 2 _{Gas Only}	0 MBO	440 GCF	73 MOEB Uneconomic
Scenario 3 Oil Only	320 MBO	0 GCF	320 MOEB
Scenario 4 Low Gas Saturation	0 MBO	0 GCF	0 MOEB Uneconomic

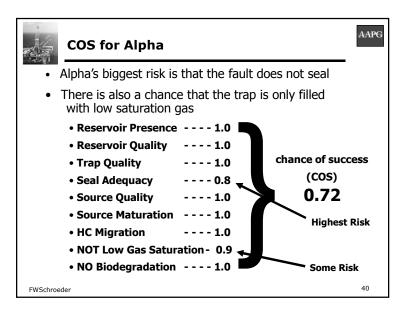


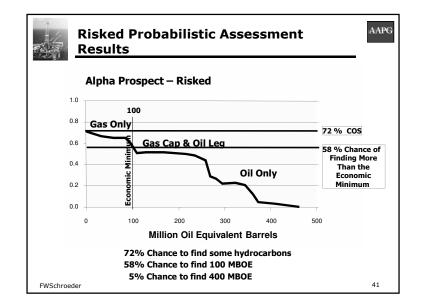




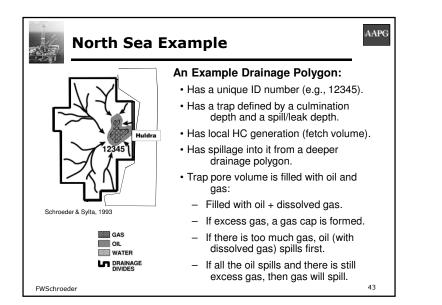


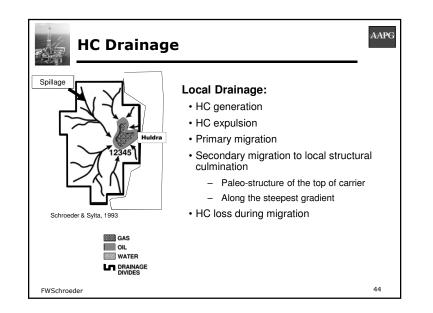


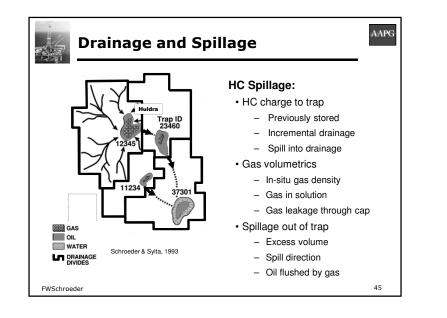


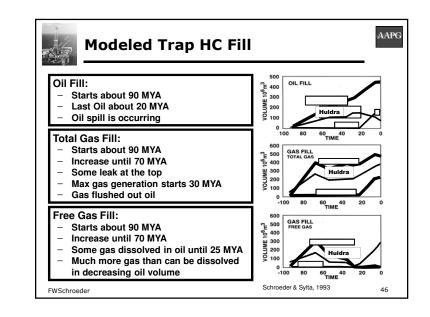










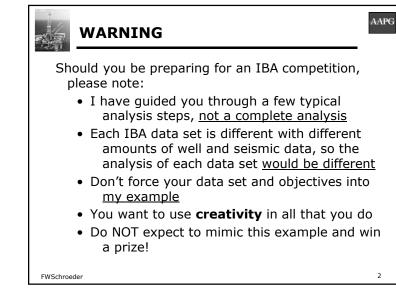


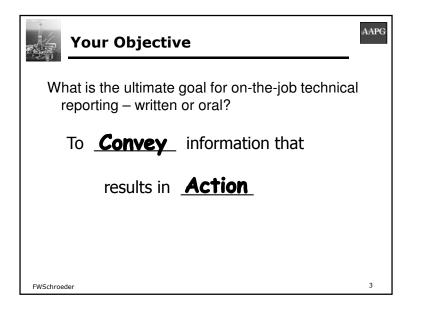
2

AAPG

4

	Lecture 10	AAPG
	Management Review	
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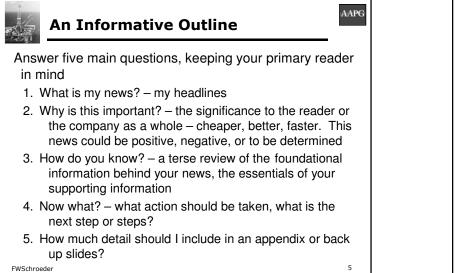




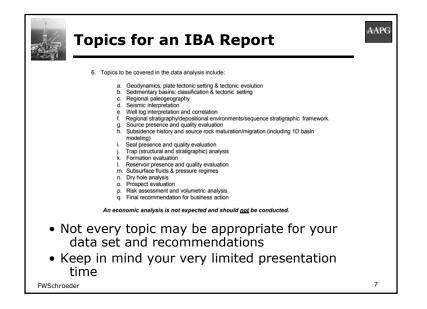
,	You want the tone, brevity and information
	transfer that you have in a normal conversation

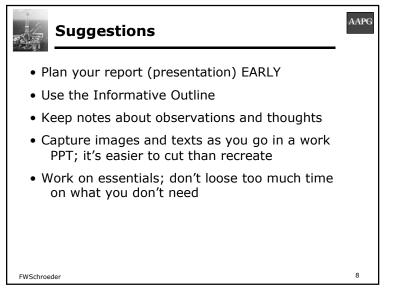
- Try this:
 - Image you are on the phone with your main reader
 - She is about to go into a meeting with the VP
 - She called you for the latest ... "about that problem we discussed last week, quickly fill me in before I have to go in and speak to the VP in about 3 minutes

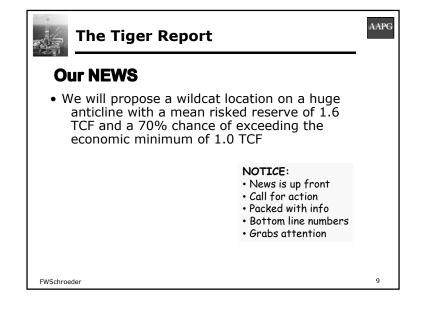
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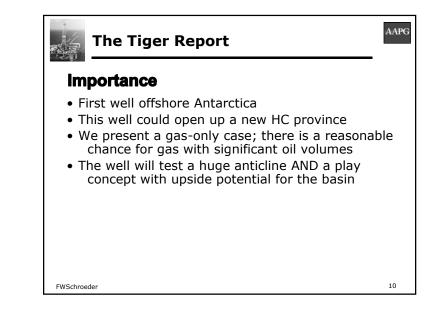


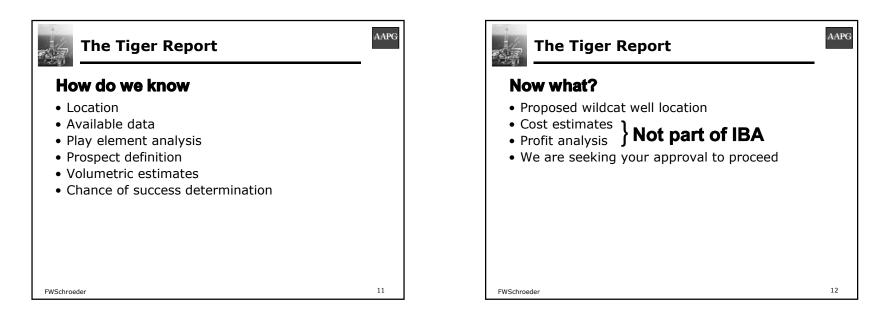




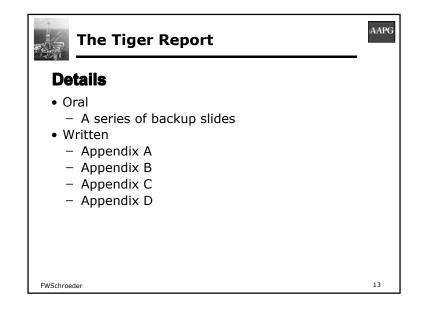


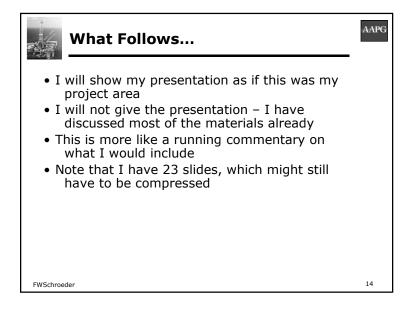


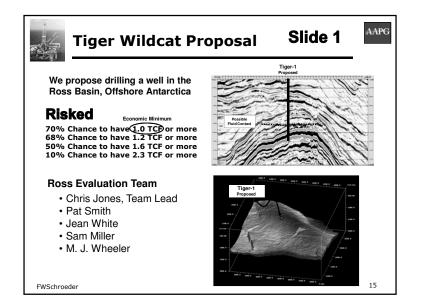


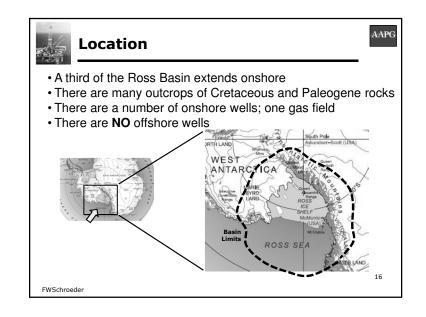


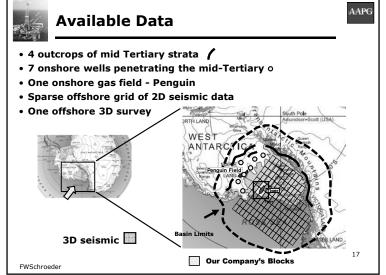
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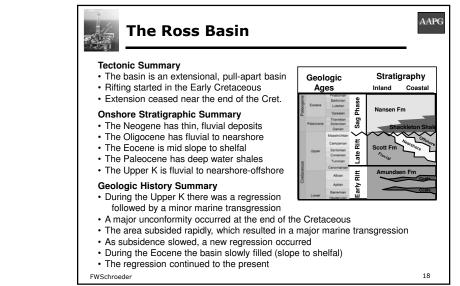


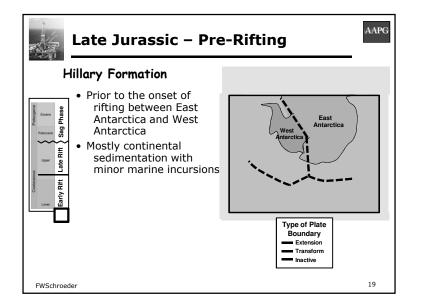


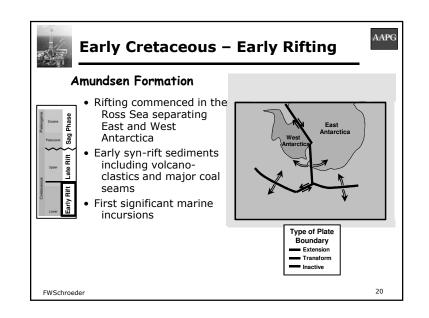


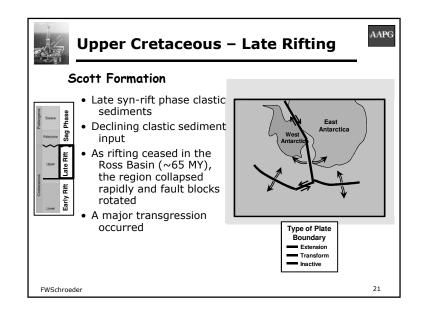


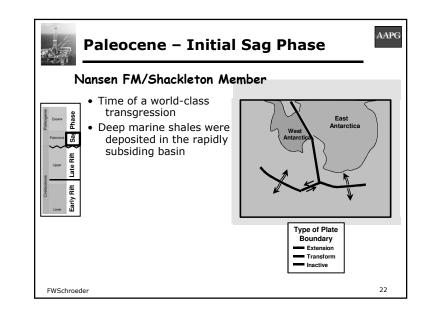


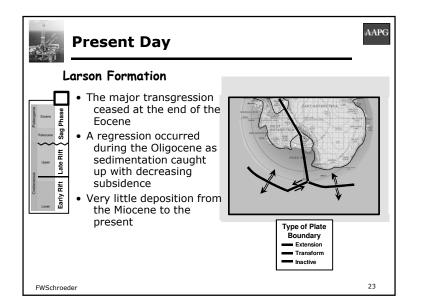


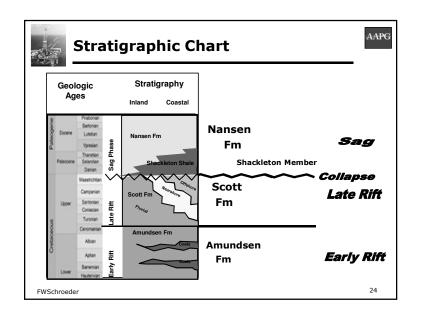


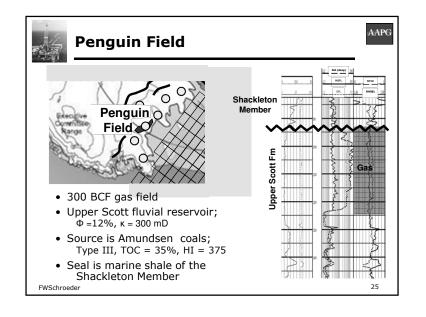


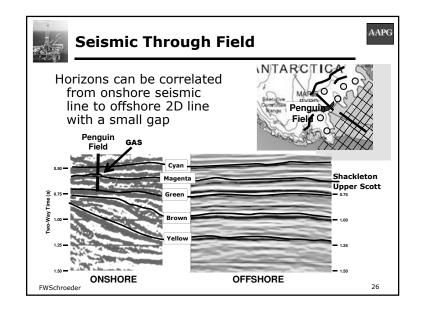


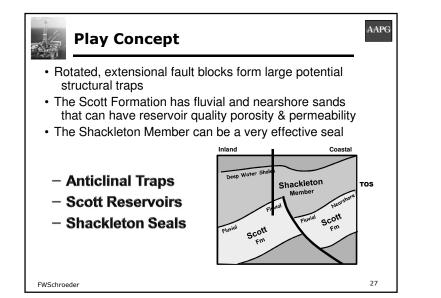


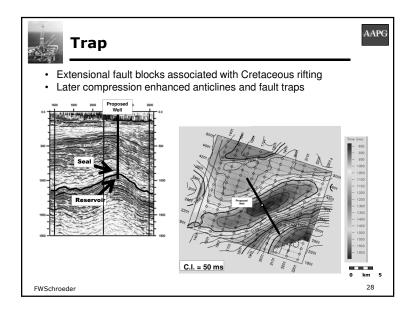












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