

LOWER TERTIARY PLAY

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- Lower Tertiary (emerging play)
- Discoveries to Date
- Commercialization Options
- Enabling Technologies



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Deepwater Exploration Trends





Gulf Production by Reservoir Age



Age of Rock (Millions of years)	Cum. MMBOE*	%		
Present - 2	13,759	33	Pleistocene	
2 - 5	10,755	25	Pliocene	
5 - 24	17,236	41	Miocene	Tertiary
24 - 34	49	0	Oligocene	
34 - 55	0	0	Eocene	
<mark>55</mark> - 65	0	0	Paleocene]
65 - 144	49	0	Cretaceous	
144 - 206	235	1	Jurassic	

*IHS Federal Offshore data as of February 2006. Conversion factor: 6 Mcf = 1 barrel.

Model for Depositional Systems





Shallow Salt Cover





Exploration Plays





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Lower Tertiary Trend

Industry Results to Date





- Industry Discovery
- Industry Non-Commercial
- Results Unannounced

- > 12 announced discoveries out of 19 wells drilled
- Trend data for Alaminos Canyon, Keathley Canyon and Walker Ridge only
- Additional penetrations along trend to the northeast

Inner Fan Turbidites







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Phased Development Option – Phase 1



- > Initial well count: 2 to 8
- Semi and/or FPSO can be leased
- Gas solution: burn as fuel offshore, pipeline or gas-to-liquids
- Expansion flexibility for future pipelines

Devon is 50% partner with Petrobras in 1st permitted FPSO in GOM

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and interest

Phased Development Option – Phase 2





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Large Field Development Option





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Multi-Field Development Option

Field 2



 Individually operated fields using Devon (or other) operated common oil storage with shuttle tankers to Gulf Coast refineries

Field 1



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FSO



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Enabling Technologies For Success



Sub-salt Imaging New acquisition techniques New processing algorithms

Advanced Drilling Techniques Salt and sub-salt environments High pressured environment

Deepwater Well Testing Techniques



Seismic Imaging





Subsalt Seismic Imaging





WAZ Acquisition



The Largest Moving Man-Made Object On Earth

10 Streamers @ 400ft 4000 ft Wide Tow 2165 Acre Footprint

Ocean Endeavor





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Jack Production Test



GOALS:

incident free – no spills, no accidents
capture reservoir data

Multiple World Records Set for Duration, Pressure and Depth





Thank you.

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