



Some Observations Petronius and Vk 900

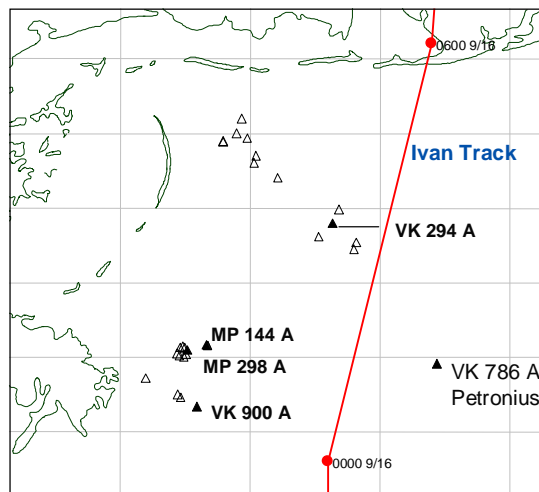
Dave Wisch

2005 Offshore Hurricane Readiness & Recovery

26-27 July 2005

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Fleet Impact



▲ Platform Damaged
△ Platform Undamaged

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Wind Damage

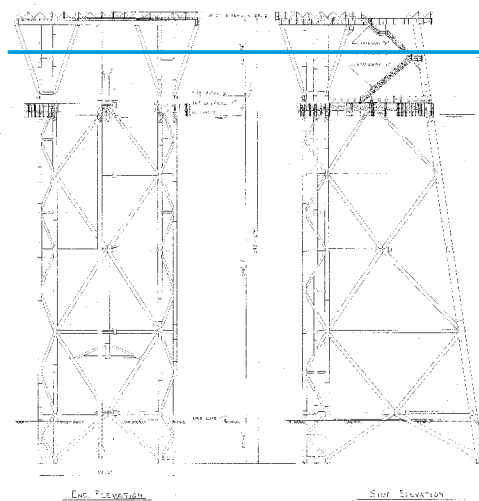


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Elevations



Wave Crest

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Punching Shear – What Overload Looks Like



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Activities Since Ivan

- Inspection
- Damage Assessment
- Repair Design
- Ambient Vibration Baseline
- Multiple Grouted Clamp Repairs
- Ambient Vibration Delta
- Fully Operational
- Working Question – *How valuable is vibration in determination of damage?*

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Petronius – Pre-Ivan

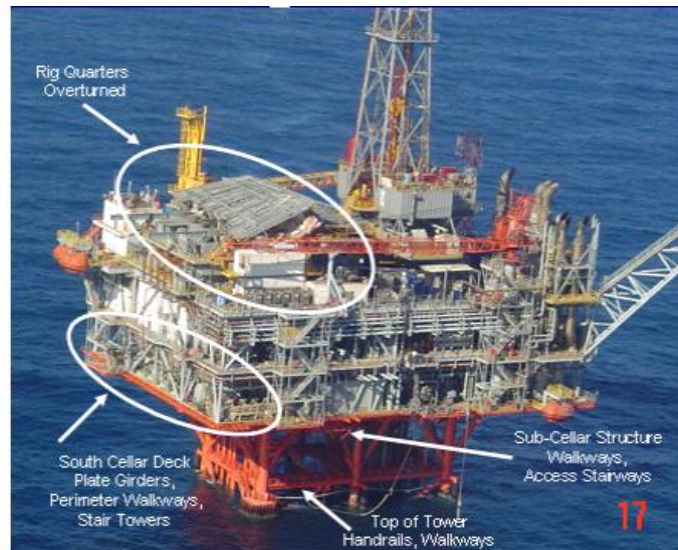


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Clustered Damage



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What a Little Water Does



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Repairs in Progress



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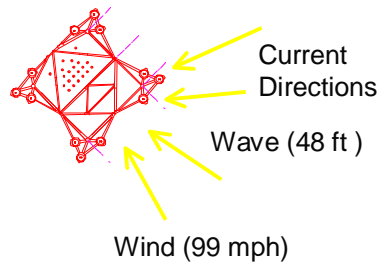


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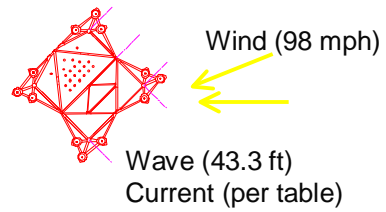
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Design vs. Ivan

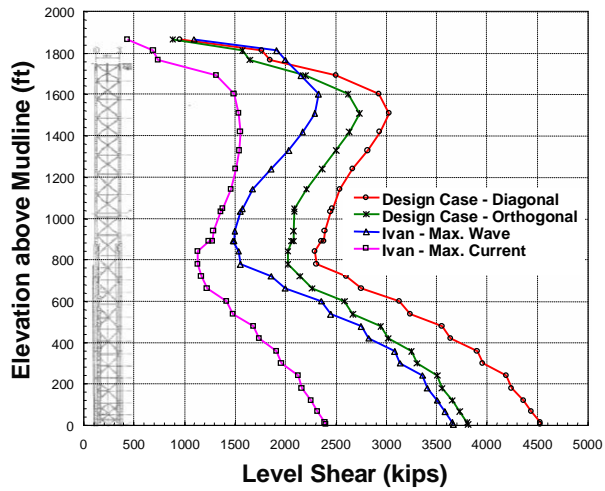


Ivan – Max Wave
Critical Direction

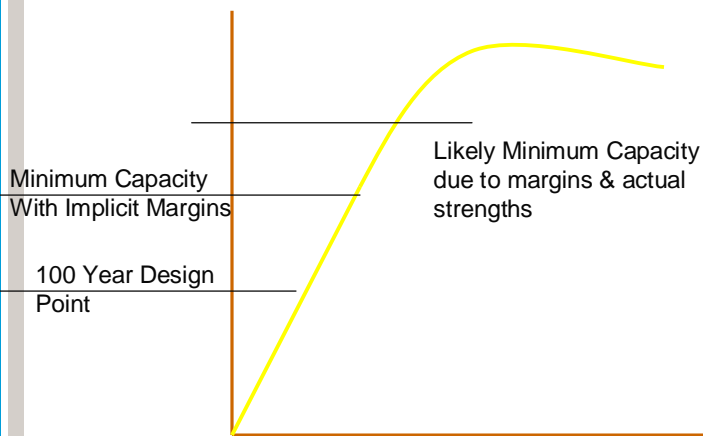


Design – Max Wave
Critical Direction

Petronius Design vs. Ivan



Structural Codes



Directionality

