



ENGINEERING & CONSTRUCTION CONTRACTING ASSOCIATION



Perspectives on the Market from the Energy and Process Industries

Panel Discussion

Host

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engineering and construction contracting association

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Panelists

Chip Rimer

Senior Vice President, Global
Operations

Noble Energy Inc.



Tina Faraca

Vice President, Engineering &
Construction

Spectra Energy



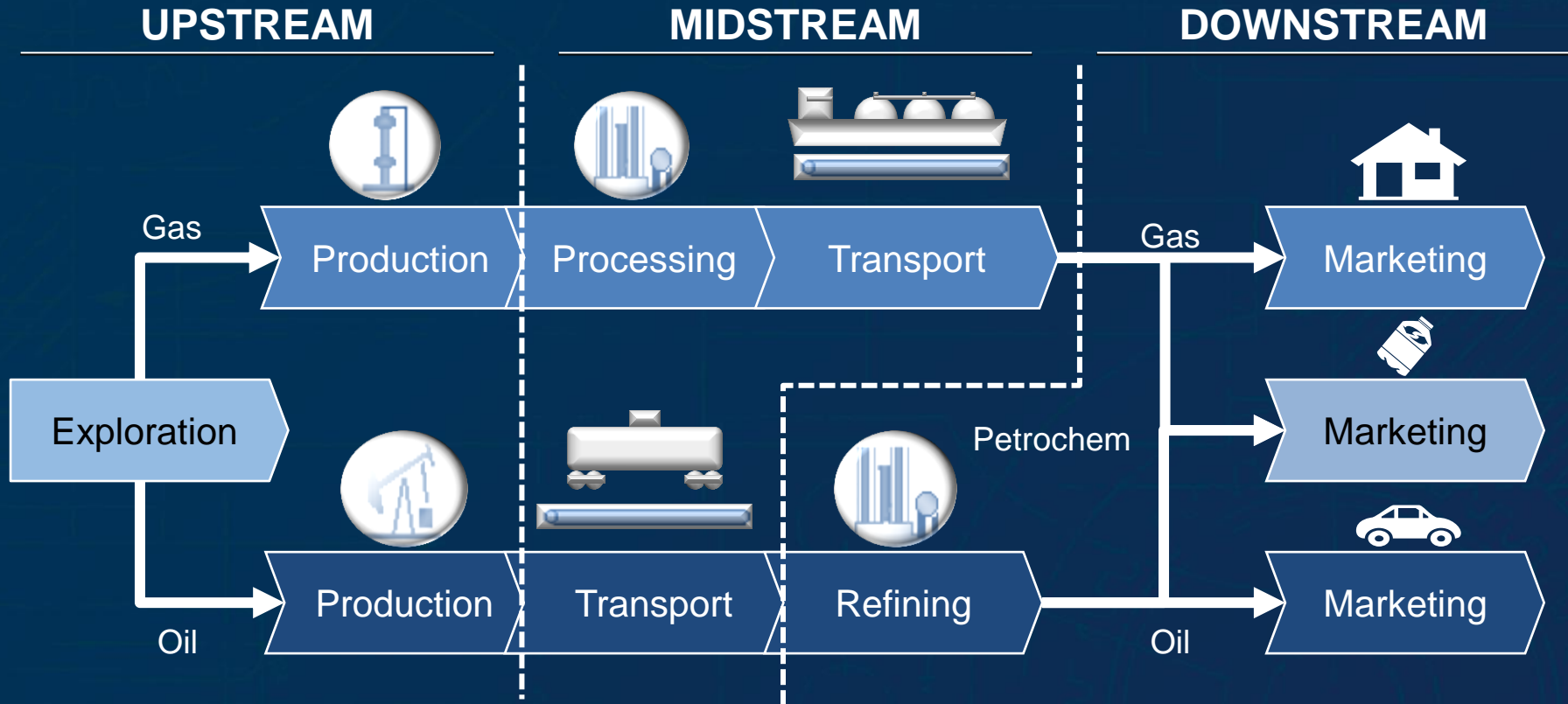
Scott Sharp

Senior Vice President, Projects

Chevron Phillips
Chemical

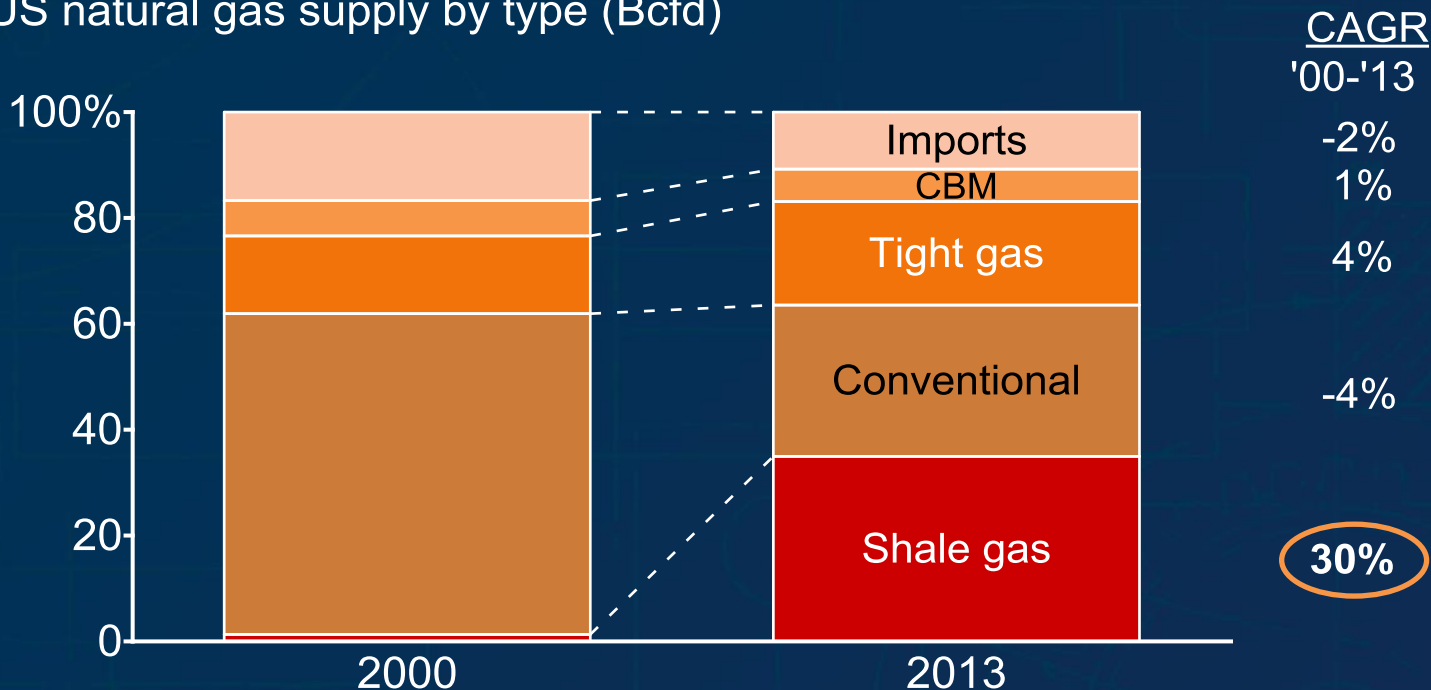


The oil & gas value chain is made up of three distinct segments



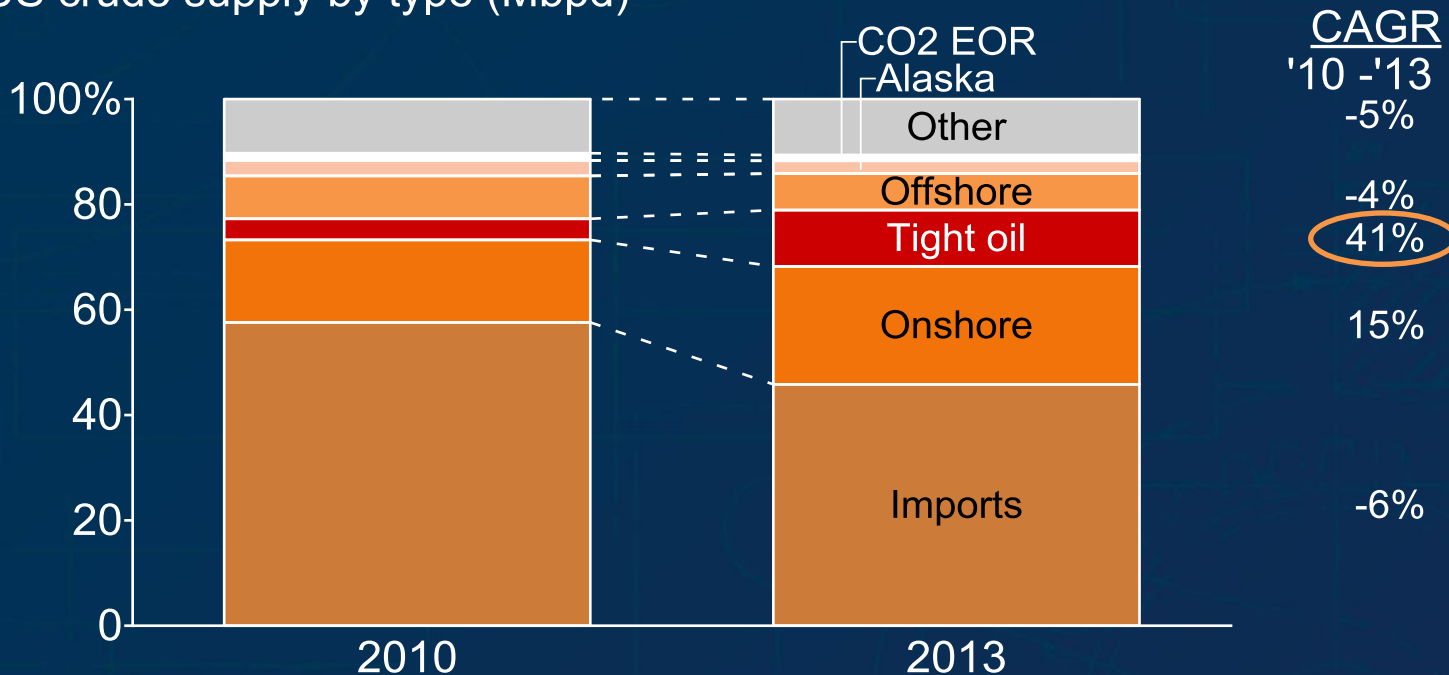
The US natural gas market has experienced a “supply shock” driven by the shale gas boom

US natural gas supply by type (Bcfd)



A 'supply shock' is also underway in US tight oil and crude sources are changing rapidly

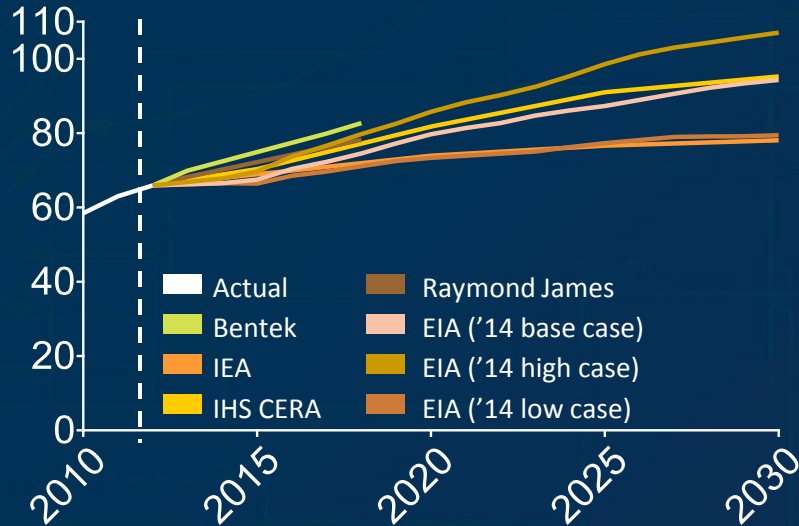
US crude supply by type (Mbpd)



Long-term forecasts for US oil & gas production vary widely

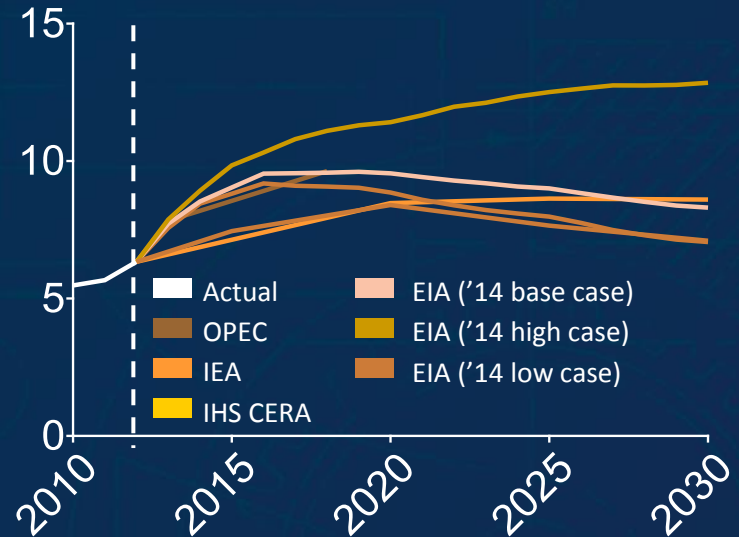
ALL FORECASTS EXPECT GAS PRODUCTION TO INCREASE

US natural gas production (Bcfd)



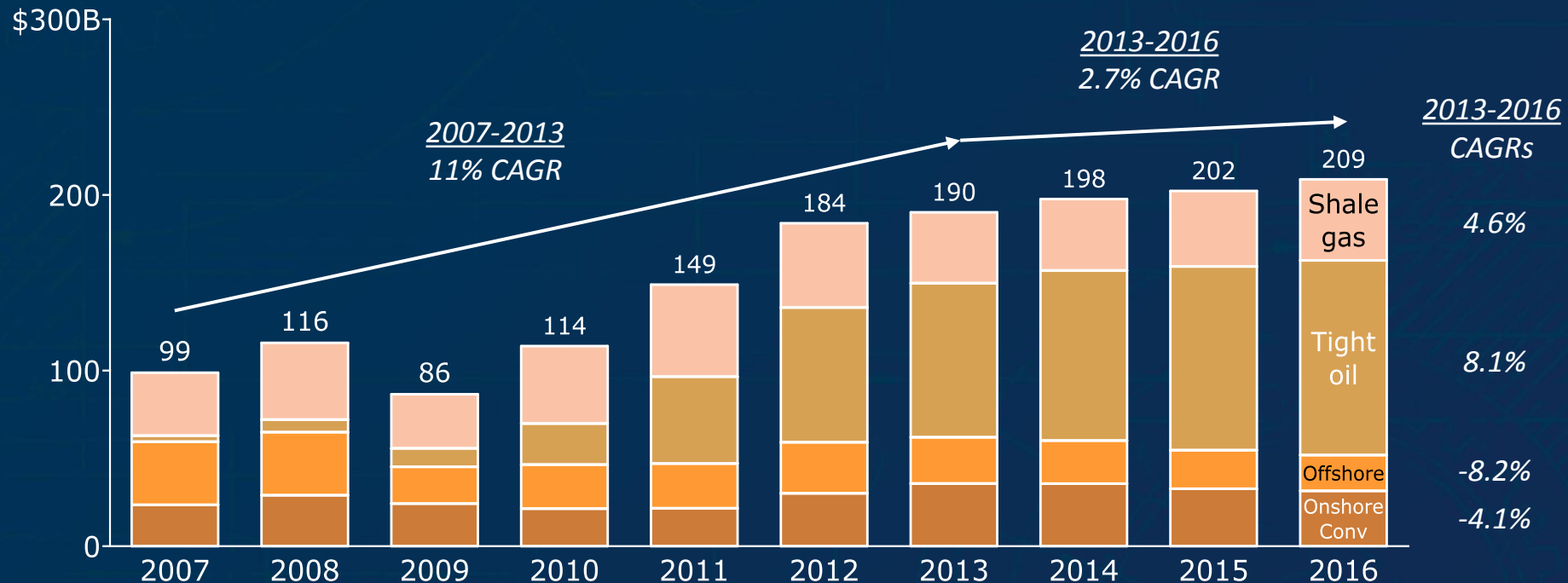
FORECASTS VARY ON IF AND WHEN OIL PRODUCTION WILL PEAK

US crude oil production (MMbpd)



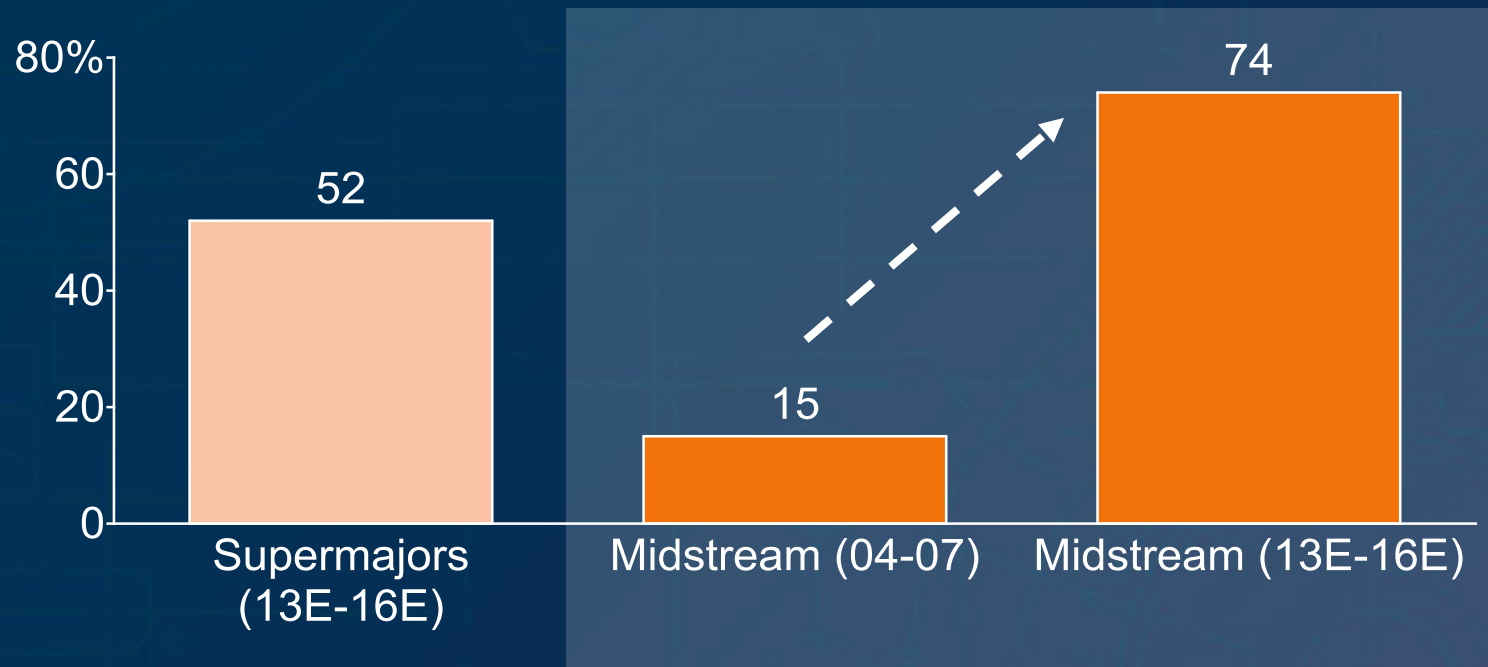
Total US oil & gas exploration and development capital expenditures are beginning to slow

US Oil & Gas Exploration and Development Capex



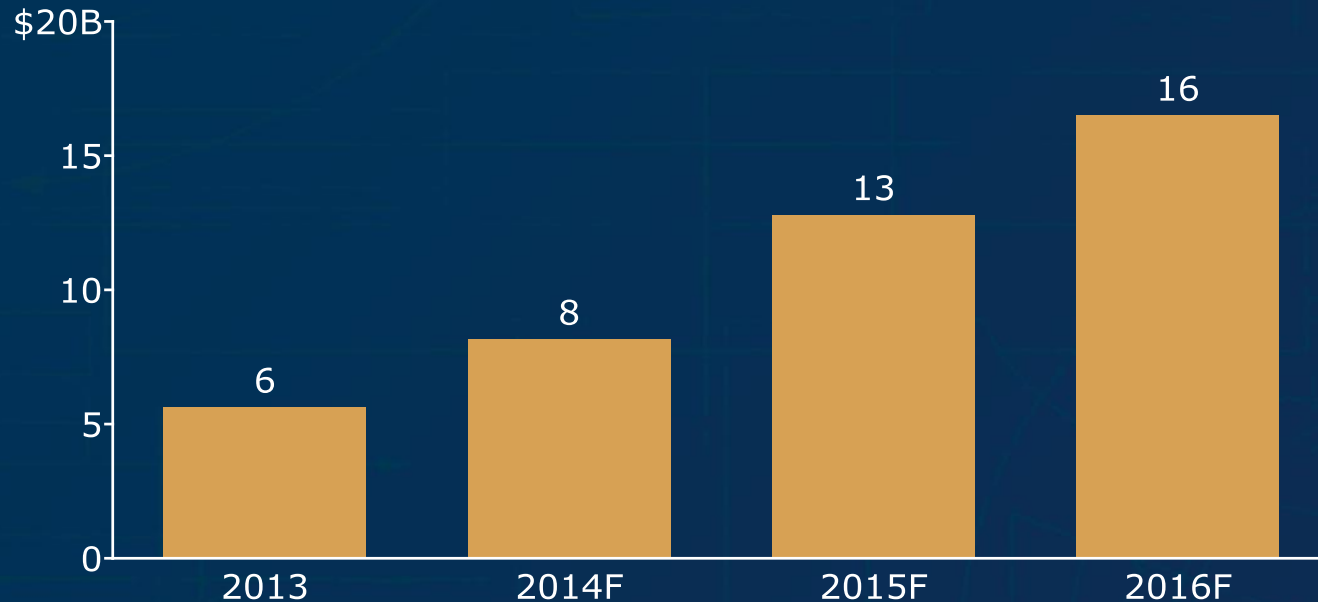
Midstream companies are investing at historically high levels to capitalize on supply shifts

Capital expenditures as a percent of Enterprise Value



US chemical industry expected to see significant increased investment due to shale-gas induced competitiveness

U.S. Energy-Related Chemicals CapEx



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43%



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