Agenda

Wood Mackenzie Presentation

About Wood Mackenzie
Global oil demand expected to fall by ~ 9 million barrels per day in 2Q20 from 2Q19

Source: Wood Mackenzie
US Lower 48 crude supply is expected to fall by 870k b/d from 2020-2021, revised down by over 2.1 million b/d

Source: Wood Mackenzie
Wood Mackenzie expects crude runs in Texas to decline by ~700,000 b/d in 2Q20 compared to 2Q19 as result of COVID-19 impacts.

Source: Wood Mackenzie; Genscape
Crude storage utilization a major concern as demand continues to fall in the US; US commercial storage forecasted to peak in July

Historical Weekly Crude Storage Utilization

Forecasted US Commercial Storage Utilization

Forecast peak at 98% utilization in July 2020 – distressed barrels could force production shut ins

Source: Genscape; Wood Mackenzie
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About Wood Mackenzie
Wood Mackenzie is the global leader in natural resources industry Research and Consulting

Research

1,000+
natural resources analysts across
35+
offices globally
leverage the integrated Wood Mackenzie platform to provide clients commercial insight and access to subject matter experts

Consulting

150+
specialized natural resources consultants
across the globe serve as trusted commercial advisors to the world’s leading companies, investors and governments

Trusted Advisor

An integrated research and consulting business with strong expertise and vast industry relationships across the global natural resources value chain
Our consulting teams bring world-class knowledge, methodology, and people to natural resources advisory engagements.

**Asset Planning**
Integrated operational planning and reporting

**Cost and Efficiency**
Benchmarking and performance improvement

**Procurement**
Supply Chain optimization and design

**Due Diligence**
Both commercial and market assessment

**Valuation**
Support both buy and sell side analysis of assets and corporate

**Fiscal**
Expert advice on design, optimization and benchmarking

**M&A**
Corporate and asset opportunity screening

**Country Entry**
Analysis of all key investment issues and identification of high graded opportunity

**Exploration**
Exploration strategy and basin selection

**Performance Improvement**

**Structure & Design**
Best practice in organizational design

**Capability**
Assessment and alignment of competencies against corporate aims, support via structured training and development programmes

**Process**
Best practice in process improvement

**Corporate and BU Strategy**
In depth understanding of strategies for resource based industries

**Portfolio Strategy**
Understand your current and future portfolio and the impact on strategy

**Price Forecasting**
Support long term commodities price forecasting and planning

**Energy Policy**
Support for country and regional energy master plans

**Market / Competitor Analysis**
Detailed analysis of the energy and metals markets and competitors globally

**Above Ground Risk Analysis**
In-depth analysis of commercial and political risk globally

**Energy Transition, Environmental, Social & Governance**
Emissions modeling, regulatory support, indigenous relations
Wood Mackenzie has completed 3,600+ consulting engagements across the natural resources sector over the past five years.

Source: Wood Mackenzie
Wood Mackenzie is uniquely suited to provide commercial support and industry expertise leveraging our integrated Research tools.

### Relevant Wood Mackenzie Tools and Accelerators

#### North America Crude Markets Service
- **Crude disposition model covering every key supply basin and takeaway pipeline in North America**
  - 20 refining centers across eight crude oil quality categories
  - Price projections for 13 crudes
  - Dynamic nodal model that can quickly run supply, takeaway, demand and tariff scenarios on over 60 major pipelines

#### Refinery Evaluation Model
- **Benchmark of Refinery Economics Around the World**
  - Model 700+ refineries globally (every refinery 50+ kbd)
  - 90% coverage of refining capacity in every region
  - >140 metrics on each refinery
  - 500+ historical net cash margin models and forecasts

#### Oil Supply Tool
- **Global Oil Supply Forecasts**
  - 4,000+ supply nodes
  - 115+ countries covered
  - 600+ current and future crude stream forecasts
  - Underpinned by our field-by-field supply data

#### Product Market Service
- **Detailed Country and Regional Forecasts for Refined Product Markets**
  - 100+ geographies and their major oil products

#### Lens
- **Detailed Evaluation of Well Performance Across North America**
  - Powerful well level visualization tool for 100+ well cost, completion design and productivity metrics

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**270+ Americas Transaction Projects 2015-2020**

**45+ Years of Experience**

**5+ Fit for Purpose Models**

**170+ Americas Strategy Projects 2015-2020**

**Crude Flow outlook for 60+ North American Pipelines**
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Strictly Private & Confidential

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