Fast & Effective
Crude Information & Valuation
- the online way -

COQG Meeting
Philadelphia, Pennsylvania
18-Jun-09

Patrice D. Perkins
Management of Crude Oil Information

Agenda

- Crude Information Data Sources
- What is CIMS (Crude Information Management System)?
  - Database Content
  - Capabilities and Functionality
  - Sample CIMS Screens
- CIMS Update
  - Recent Enhancements
    - Link from Haverly’s H/COMET Application
  - Future Plans
- CIMS Benefits & Advantages
Management of Crude Oil Information
Data Sources

- Market Intelligence
- Cargo Data
- Crude Assays
- Refinery Experience
- Oil Industry Publications
- Inspector Information
- Refinery Receipts
- Internet

Crude Information Management
Management of Crude Oil Information
What is CIMS?

- Crude Information Management System
  - Web-based application; updated regularly
  - Central storage repository of information on 3000+ crude / condensate and gas fields
  - General Country Information
  - Company Proprietary Information
  - News Briefs Section
  - Archival PTI Intelligence Reports
Management of Crude Oil Information
CIMS - Content

- Crude Name
- Crude Location (including Maps)
- Crude Loadports
- Estimated Probable & Recoverable Reserves
- Whole Crude Properties
- Crude Assay Data
- Production Rates and Export Data
- Producers & Operators (with Equity Share)
- Monthly Cargo API Gravity Tracking
- Historical API Gravity Trends
- Updates on new crude grades
- General Country Information
- Company Proprietary Data
Management of Crude Oil Information
Historical Gravity Trends

Observe change in API Gravity Trends

Gravity shifts - Lighter, Heavier, Cyclic or Stable
Management of Crude Oil Information
CIMS – Capabilities and Functionality

- **Sorting**
  - by Crude Name
  - by Location
  - by Whole Crude API
  - by Producer
  - by Production
  - by Startup
  - Oil Fields vs. Gas Fields
  - Crudes in Production vs. Pre-Production
  - Standalone Grades vs. Blends

- **Searching**
  - Partial Name Recognition
  - Whole Crude API / Sulfur
  - Producer / Operator
  - Region / Location
Management of Crude Oil Information (CIMS) Database - Sample

CIMS Data Screens
CIMS Data Screen
News Briefs

All Recent News Briefs (Last 30 Days) — Today is 12-Jun-2009

12-Jun-2009... ALASKA NORTH SLOPE (Alaska)... View CIMS Details

ExxonMobil has joined TransCanada in its Alaska North Slope gas pipeline project. This proposal involves the Denali gas pipeline project sponsored by BP and ConocoPhillips which plans to build a 2,000-mile line to deliver 4 Bcf/d of gas from Alaska's North Slope (via Valdez) to the continental US markets.

12-Jun-2009... NOL

NOL became INA's largest shareholder with 45.15% interest, in 2006. (An additional 40.63% equity in INA is held by the Republic of Gabon.) NOL was then granted management control of INA in Jan 2006, and this was approved in early Jan 2009. As of 31st Jan-09, NOL will fully control the holding NOL.

18-Jun-2009... HERITAGE OIL

In early June 2009, UC's Heritage Oil Ltd announced its agreement to merge with Turkey's Genel Energy, creating a company with proved and probable reserves of 960 MMbbls of oil. The transaction is to be completed in Fall 2009 and the new company will be named Heritage Oil.

9-Jun-2009... ADDAX

Recent reports indicate that several companies — including Sasol, CNPC and MOOCO — are interested in making a bid to purchase Addax Petroleum. Addax is currently active in Iraq and West Africa.

9-Jun-2009... AKPO (Nigeria)... View CIMS Details

First saggers (45.2 API) of Nembe's new Akpo crude stream its estimated gravity of 45 API. Peak output of 225 MBD is expected by late 2009.

9-Jun-2009... DAR BLEN (South) View CIMS Details

After increasing to an API of 26.6 in Nov 2008, the gravity of Dar Blend has been continually decreasing (and is now at 25.5 API). Refiners processing this grade now want to consider necessary adjustments to any other quality changes.

9-Jun-2009... INAN (Middle East)... View CIMS Details

On 30-Jun-09, the gas injection project at Aljehir field (phase 6, 7 and 8 fields) will be completed via 376 mile pipeline and increased oil production at Aljeher (one of the main operators offshore) by 100,000 to 200,000. With additional development work, Aljeher oil output could increase to 2 MMb/d.

9-Jun-2009... KANIP (Indonesia)... View CIMS Details

Indonesia International has sold its interest in the Kapi oil field to Star Energy Holdings, whose equity now increases from 21.26% to 55.29%. The transaction is expected to be finalized by mid July 2009.

9-Jun-2009... SAMALIN 2 (Russia)... View CIMS Details

Russia's first LNE is being launched, starting up on 15-Feb-09 with Sakhalin 2's first 4.8 MMbld train was inaugurated. Commissioning of the second 4.8 MMbld train at Sakhalin 2 began in early June 2009, with the launching of its first cargo. Japanese utilities have contracted about 30% of all Sakhalin 2 LNG 4 subjects for 25 years. The LNG plant will receive approximately 13.5 billion cubic meters of gas from the Landybyel Field.

6-Jun-2009... ALASKA NORTH SLOPE (Alaska)... View CIMS Details

With major maintenance work planned from Jun-Aug 2009 at PTSB, producers have stated that the latest could account for a shutdown of about 100,000 BPD at ANS crude oil terminals during the summer. (Noticeably, the total crude oil output at ConocoPhillips' ANS crude oil terminal during June and July 2009, two 36-hour shutdowns were also planned for the Trans-Alaska Pipeline System (TAPS) — where pumps failure work is scheduled for completion).

6-Jun-2009... CHELHN (Turkmenistan)... View CIMS Details

Currently owning 52% of Dragon Oil, ENOC (which itself is wholly owned by the government of Dubai) has announced its interest in acquiring all of Dragon Oil.

6-Jun-2009... SALIM (Russia)... View CIMS Details

In recent weeks, Gazprom Neft has been purchasing shares in Sibur Energy and is interested in increasing its equity in the company from 90% to more than 95%. Sibur is said to be receptive to Gazprom Neft as a partner in the development of its Salim oil fields.

6-Jun-2009... TAIQ-THAI (Iran)... View CIMS Details

GE is beginning work on a 300-MW refinery in the Tab Tog area. The facility is expected to be operational by late 2010.
## CIMS Data Screen
### Archival PTI Intelligence Reports

<table>
<thead>
<tr>
<th>YEAR</th>
<th>JAN</th>
<th>FEB</th>
<th>MAR</th>
<th>APR</th>
<th>MAY</th>
<th>JUN</th>
<th>JUL</th>
<th>AUG</th>
<th>SEP</th>
<th>OCT</th>
<th>NOV</th>
<th>DEC</th>
<th>YE INDEX</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NOV 2000</td>
<td>DEC 2000</td>
<td>NA</td>
</tr>
</tbody>
</table>

NA indicates that the report is not available for viewing.
Outside Contract indicates that your account subscription does not entitle you to view this report.

For information regarding reports outside of your subscription, please contact PTI.
[Click Window]
Crudes in CIMS can be sorted by Name, Location, WC API, Producer, Production Rate or Startup Date
**CIMS Data Screen**
**Sorting – Secondary Level**

Additional filtering can be used to segregate the data further –

**Gas vs. Oil; Blend vs. Standalone; Production vs. Pre-Production and Most Recent Updates**
If available, whole crude API, Sulfur and Map are listed.

This sort has retrieved 321 United Kingdom crude grades.
CIMS Data Screen
Sorting By Startup Date

This sort retrieved 109 new grades to be started up in 2009.

New field discoveries with no known startup date.

Actual or projected startup date.
CIMS Data Screen
Search Function

Enter search criteria. Use any one or all criteria to broaden or narrow the search

“Wildcards” available for partial name search

Gravity - data range (8.0 API - 74.0 API)
Sulfur - data range (0.001 wt% to 6.5 wt%)
Data Sorting - can be <, >, or ≈

Regions - select from pull down list
Producer / Operator - select from pull down list

Select all or partial list for Grade Type; Blend or Standalone; Production vs. Pre-Production and most Recent Updates
CIMS Data Screen - Crude Information “Snapshots”
Sample Dataset – Marib Light crude

Crude Grade: MARIB LIGHT

<table>
<thead>
<tr>
<th>Grade Information</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location</td>
<td>Yanan</td>
</tr>
<tr>
<td>Region</td>
<td>Middle East</td>
</tr>
<tr>
<td>Operator</td>
<td>Saif</td>
</tr>
<tr>
<td>Start Up Date</td>
<td>1996</td>
</tr>
<tr>
<td>Production</td>
<td>70 kbd (Jan-2006)</td>
</tr>
<tr>
<td>Type</td>
<td>OIL - Onshore</td>
</tr>
<tr>
<td>Is Blend?</td>
<td>YES</td>
</tr>
<tr>
<td>LoadPort</td>
<td>Ras Isa</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Whole Crude Property Data</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>API</td>
<td>44.2</td>
</tr>
<tr>
<td>SULFUR</td>
<td>0.06 Wt%</td>
</tr>
<tr>
<td>POUR PT.</td>
<td>-35 Deg F</td>
</tr>
<tr>
<td>RVP</td>
<td>84 psi</td>
</tr>
<tr>
<td>NFCERL</td>
<td>1.4 ppm</td>
</tr>
<tr>
<td>VANAD-TOM</td>
<td>0.3 ppm</td>
</tr>
<tr>
<td>NERUT NUMBER</td>
<td>0.01 mg/lb/y</td>
</tr>
</tbody>
</table>

Country Location:

PetroTech Intel, LLC
CIMS Data Screen - sample dataset (Marib Light)

General Information

(22-Nov-05) Operations associated with Marib include a 400 kbd capacity central production unit, a 10 kbd refinery, a 253-mile, 225 kbd capacity pipeline, and four gas processing plants with capacities in excess of 1.5 Bcf/day.

Field Location

(24-Oct-05) Onshore Block 18 is located in the Marib region of central Yemen.
(29-Apr-02) The Marib field is located in Yemen’s Block 18.

Start Up Information

(16-May-00) The initial discovery of Marib Light was made in 1997.

Field Reserves

(27-Jun-05) Marib has gas reserves of 10.2 Tcf.
(04-Apr-05) As of mid-2004, remaining oil reserves for the Marib Light field are approximately 1.54 billion barrels.
(19-May-03) Yemen’s proven oil reserves of 4 billion barrels (135 million barrels), Block 5 (Jannah), Block 10A (East Jannah) and 10B (Jannah).

Identification of Operator, Producers and Equity Share

Producer Information

Producer Table

(16-Jan-2006)

<table>
<thead>
<tr>
<th>Producer</th>
<th>% Equity</th>
<th>Operator</th>
</tr>
</thead>
<tbody>
<tr>
<td>ExxonMobil</td>
<td>38</td>
<td>No</td>
</tr>
<tr>
<td>Hunt Oil Company</td>
<td>30.6</td>
<td>No</td>
</tr>
<tr>
<td>Safir</td>
<td>---</td>
<td>Yes</td>
</tr>
<tr>
<td>SK Group (South Korea)</td>
<td>15.7</td>
<td>No</td>
</tr>
</tbody>
</table>

Producer Update

(16-Jan-06) Safir Company for Petroleum Exploration has been operating Marib since 16-Nov-05, after the government of Yemen denied Hunt Oil’s 5-year extension for the Marib concession.

(22-Nov-05) Currently, Marib Light is held by Hunt Oil (38.5%), ExxonMobil (38%), and SK Corp (15.7%) - with the remaining 7.8% held by the Yemeni government.

(22-Nov-05) The Yemen Exploration and Production Company, a JV among Hunt Oil, ExxonMobil and SK Corp, intends to fight the Yemeni government’s move to replace them with Safir Exploration and Production Operations Co.

(24-Oct-05) Having denied Hunt Oil an extension of its concession to operate Block 18, the Yemeni government has instead given the project to the Safir Company for Petroleum Exploration, a local company. Safir will become the new operator of Block 18 as of 15-Nov-05.
**CIMS Data Screen - sample dataset (Marib Light)**

**Monthly Average Tables**

<table>
<thead>
<tr>
<th>Monthly Cargo Averages (06/06/2006)</th>
</tr>
</thead>
<tbody>
<tr>
<td>-- 01/06 02/06 03/06 04/06 05/06 06/06 07/06</td>
</tr>
<tr>
<td>API</td>
</tr>
<tr>
<td>SUL</td>
</tr>
</tbody>
</table>

**Monthly Average API Chart**

If available, crude assay data is provided in the CIMS entry.

**Assay Information**

<table>
<thead>
<tr>
<th>Initial BP °F</th>
<th>Whole</th>
<th>IBP</th>
<th>70</th>
<th>165</th>
<th>320</th>
<th>480</th>
<th>650</th>
<th>8050</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crude</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cut Yield, Wt%</td>
<td>--</td>
<td>3.15</td>
<td>14.11</td>
<td>27.42</td>
<td>10.56</td>
<td>14.21</td>
<td>17.47</td>
<td>5.06</td>
</tr>
<tr>
<td>Gravity, API</td>
<td>48.4</td>
<td>119.3</td>
<td>80.58</td>
<td>58.5</td>
<td>43.5</td>
<td>33.5</td>
<td>28.5</td>
<td>3.2</td>
</tr>
<tr>
<td>Spec. Grav., 60/60</td>
<td>0.7637</td>
<td>0.5642</td>
<td>0.6671</td>
<td>0.7568</td>
<td>0.8040</td>
<td>0.8474</td>
<td>0.9012</td>
<td>1.0060</td>
</tr>
<tr>
<td>Sulfur, Wt%</td>
<td>0.08</td>
<td>--</td>
<td>0.003</td>
<td>0.006</td>
<td>0.012</td>
<td>0.006</td>
<td>0.21</td>
<td>0.51</td>
</tr>
<tr>
<td>Mass Sulfur, ppm</td>
<td>5.0</td>
<td>3.1</td>
<td>3.6</td>
<td>4.8</td>
<td>7.5</td>
<td>8.2</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Nitrogen, ppm</td>
<td>420</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>0</td>
<td>28</td>
<td>697</td>
<td>4825</td>
</tr>
</tbody>
</table>

Graphical representation of monthly API average data.
CIMS – General Country Information

Location: United Kingdom

Region: Europe
Capital: London
Monetary Unit: Pound Sterling
Refining Capacity: 1817 KB/CD

General Location Information

United Kingdom is made up of a group of islands including the northern one-sixth of the island of Ireland in western Europe between the North Atlantic Ocean and the North Sea, northwest of France.

With about 5 billion barrels of proven oil reserves, the UK is the largest petroleum producer and exporter in the European Union. It also is the largest producer and an important exporter of natural gas in the EU.

Most of the UK’s oil and gas reserves and production are located in the North Sea. Most of the country’s production comes from basins east of Scotland in the central North Sea. The northern North Sea (east of the Shetland Islands) also holds considerable reserves. Smaller deposits are also located west of the Shetland Islands in the North Atlantic Ocean.

Jul 2006: Oil and gas output from the UK Continental Shelf has decreased by 9% per year over the past three years.

<table>
<thead>
<tr>
<th>Operating Companies Information</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Parent Company</strong></td>
</tr>
<tr>
<td>Anadarko Petroleum</td>
</tr>
<tr>
<td>Apache Corporation</td>
</tr>
<tr>
<td>ATP Oil and Gas Corporation</td>
</tr>
<tr>
<td>BG Group</td>
</tr>
<tr>
<td>BHP Billiton</td>
</tr>
<tr>
<td>BP</td>
</tr>
<tr>
<td>Canadian Natural Resources Ltd</td>
</tr>
<tr>
<td>Centrica Resources Ltd</td>
</tr>
<tr>
<td>Chevron Corporation</td>
</tr>
<tr>
<td>ConocoPhillips</td>
</tr>
<tr>
<td>Dana Petroleum</td>
</tr>
<tr>
<td>Total</td>
</tr>
</tbody>
</table>

Operating Companies and number of fields operated in Specified Location
### CIMS - General Country Information - New UK Fields

#### Crude Startup Information

**Grades Due to Startup within 2 Years**

<table>
<thead>
<tr>
<th>Grade</th>
<th>Startup Date</th>
<th>API</th>
<th>SUL</th>
</tr>
</thead>
<tbody>
<tr>
<td>GROVE</td>
<td>Mar 2007</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>PADDA</td>
<td>Early 2007</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>DUMBARTON</td>
<td>Early 2007</td>
<td>39</td>
<td>0.28</td>
</tr>
<tr>
<td>TWEEDSMUIR</td>
<td>1Q 2007</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>ELANE</td>
<td>Apr 2007</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>CAVERNDISH</td>
<td>2Q 2007</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>CHESTHUT</td>
<td>2H 2007</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>EUART</td>
<td>4Q 2007</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>ENOCH</td>
<td></td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>

**Grades Due to Startup beyond 2 Years**

<table>
<thead>
<tr>
<th>Grade</th>
<th>Startup Date</th>
<th>API</th>
</tr>
</thead>
<tbody>
<tr>
<td>JASMINE (UK)</td>
<td>2009 / 2010</td>
<td>--</td>
</tr>
<tr>
<td>SUILVEN</td>
<td>NA</td>
<td>--</td>
</tr>
<tr>
<td>SOLAN</td>
<td>NA</td>
<td>--</td>
</tr>
<tr>
<td>SMALLFOOT</td>
<td>NA</td>
<td>--</td>
</tr>
<tr>
<td>ROSEANK LOCHNAGAR</td>
<td>NA</td>
<td>--</td>
</tr>
<tr>
<td>GUINEA</td>
<td>NA</td>
<td>--</td>
</tr>
<tr>
<td>CYGNUS</td>
<td>NA</td>
<td>--</td>
</tr>
<tr>
<td>DONAN</td>
<td>NA</td>
<td>--</td>
</tr>
</tbody>
</table>

New Grades to startup within 2 years

New Grades expected to start producing beyond 2 years
CIMS - Company Specific Proprietary Data

- CIMS users can add, edit or view company specific proprietary data
  - Adding or editing is strictly limited – based on company account number and userid
  - Viewing is available to users with the same company account number
- Live editing by personnel; instantaneous updates
- Data can be free flowing text format or preformatted tables
CIMS - Recent & Future Enhancements

**Recent Changes:**
- Link from Haverly’s H/COMET Application
- News Briefs Section
- Crude Information “Snapshots”
- Storage of Company Specific Proprietary Data
- Enhanced Sorting Features
- PTI Intelligence Reports & YE Indices accessible online
- CIMS Application available for mobile devices

**Future Enhancements:**
- Company Specific Information
- Additional Loadport Information
- Producer Contact Information
- More extensive Crude Assay data section
CIMS - End User Benefits

● Crude Traders
  ■ Know when new fields are discovered
  ■ Be aware of market availability of new grades

● Refiners / Process Engineers
  ■ Share Refinery Operating Experience

● Supply Department
  ■ Stay current with changes in existing crude grades
  ■ Observe change in API Gravity Trends

● Economic analysts
  ■ Keep up-to-date with Crude Assay data
CIMS - Advantages

- Highlighting Crude Quality changes
  - Proactively keep up-to-date with crude quality changes
- Identifying Opportunity Grades
  - Offering competitive advantage
- Providing Consistency of Data
- Improving Efficiency
  - Search Time and Effort reduced
- Storing Company Proprietary Information
- Simplifying Data Retrieval
  - All crude oil data per grade accessible via one convenient computer tool – H/COMET with CIMS
Current Subscribers – CIMS and PTI Intelligence Report

+ BP Oil International, Ltd. + Marathon Ashland Petroleum
+ ChevronTexaco Corporation + PDVSA
+ ConocoPhillips + PFC Energy
+ Essar Oil, Ltd + Purvin & Gertz, Inc.
+ ExxonMobil + Reliance Petroleum, Ltd.
+ Hindustan Petroleum Corp, Ltd + Shell Global Solutions
+ Irving Oil + Sinopec Corp
+ Intertek Caleb Brett + Sunoco, Inc
+ Kuwait Petroleum Int’l Ltd. + Tesoro Corp
+ Lion Oil Company + Total, S.A.
+ US Department of Energy
Management of Crude Oil Information
Tracking Crude Data

- Stay current with changes in existing crude grades
- Know when new fields are discovered
- Be aware of market availability of new grades
- Keep up-to-date with Crude Assay data
- Share Refinery Operating Experience
- Observe change in API Gravity Trends
CIMS Data Screen
“My Grades” Selector

Entire list of 2,800+ crudes

Crudes can be assigned as high, medium or low interest

Users can choose to monitor certain crudes of interest and then save their selection
Location Update Information

(Feb 2006) Due to a fire on 16-Feb-06 at the Rough natural gas storage facility in the UK, Centrica Storage declared force majeure on its storage contracts. Located off the English coast of Hull, Rough can typically store about 3 Bcm of gas - which is about 75% of the UK’s gas storage capacity. It has been reported that the Rough storage complex will be "down" at least until May 1, 2006.

(Dec 2005) An explosion and subsequent fire on 11-Dec-05, damaged a fuel depot northwest of London. The 20.3 million gallon Buncefield Fuel Terminal, (UK’s 5th largest fuel depot), is owned by Total (60%) and Chevron (40%). Jet fuel tanks were also affected and deliveries of jet fuel from the depot to Heathrow and Gatwick were stopped after the explosion.

(Nov 2005) The UK has doubled its tax on North Sea oil and gas profits (from 10% to 20%), raising the corporate tax paid by oil companies from 40% to 50%. This marks the second tax increase since 2002.

(Nov 2005) During 2004, for the first time since the 1970’s, the UK became a net importer of gas. This was not expected to occur until 2006. With consumption at approximately 100 Bcm/yr, the UK government is preparing for possible gas shortages this coming winter season.

(Mar 2005) Operator Shell (30%), Apache (50%), OMV (10%) and Petro Summit (10%) have announced a new oil discovery in the UK Central North Sea in Block 22/12a. The new well lies about 125 miles NE of Aberdeen, Scotland - between the Nelson and Montrose fields. Drilled in Nov 2004, test results are being analyzed to determine if this new discovery can be declared commercial.

(Feb 2005) In 2004, the UK became a net importer of gas for the first time since 1996. It is anticipated that it may only take another 8 years before gas imports exceed the UK’s own gas production.

(Mar 2003) The UK will discontinue its oil revenue tax on new contracts in the North Sea in order to promote upstream spending.

(Jan 2003) A Turkish tanker (Vicky) carrying 68,000 mt of gasoil collided with a submerged car carrier (Tricolor) in the English Channel on 02-Jan-03. The Vicky was then anchored off Belgium after leaking only a small amount of oil. The car carrier had sunk in mid Dec 2002 carrying more than 2800 cars.
CIMS - Company Specific Proprietary Data

- CIMS users can add, edit or view company specific proprietary data.
- Viewing is available to users with the same company account number.
- Adding or editing is strictly limited - based on company account number and userid.

**Click here to Edit Private Company Data For: ABU SAFAH**
**Click here to View Private Company Data For: ABU SAFAH**

This Crude Grade may be viewed in any of the following map views:

- Persian Gulf
- Middle East
- Africa
- World

Grade Menu
- Grade LoadPorts
- General Information
- Producer Information
- Production Information
- Export Information
- Quality Tracking
- Monthly Update Information
- LoadPort: Ras Tanura
- **Close Window**

**Crude Grade: ABU SAFAH**

- **Location:** Saudi Arabia
- **Region:** Middle East
CIMS - Company Proprietary Data
- Viewing / Adding / Editing

Examples:

- Refinery Operating Experience
- Notification of New Assay
- Crude precautions

(12-Aug-2004) - Production Update  Edit

Saudi Arabia will go ahead with a significant expansion of crude capacity over the next three years. Aramco will develop reserves at two existing fields in eastern Saudi Arabia and add 650,000 bpd of new capacity, at a cost of $1.5 billion. The project will double output offshore at Abu Safah field, where the current rate is 150,000 bpd. Another 500,000 bpd will come from new development of higher-grade Arab Light crude at Qatif field onshore. Arab Light is in high demand by U.S. refiners. Aramco has hired Eni, Haliburton and other contractors to develop the fields by 2005. When they go online, the fields will boost capacity 6% from the current 10 million bpd. Saudi's present OPEC quota is 7.65 million bpd.

This will be the Kingdom's first major expansion since the mid-to-late 1990s, when Shaybah oil field was developed. Some analysts believe that Saudi is using this project to counter a rapid recovery in Russian oil capacity, which has regained about 1 million bpd during the last two years. It also is a way for Saudi to retain its spot as the single largest foreign supplier of crude to the U.S. 17% (1.7 million bpd) of U.S. oil imports come from Saudi Arabia.

(13-Mar-2004) - New Assay Available  Edit

A new Abu Safah Assay has become available [ AssayID= A2004023 ] and use of this assay is recommended to correctly characterize current Abu Safah quality. Any questions or comments regarding this assay should be forwarded to the Assay Group.

(16-Aug-2003) - High H2S Cargos  Edit

US Gulf Coast Operations have observed higher than usual H2S levels in cargos received in the Feb-2004 - Jun-2004 time period for Abu Safah. Investigation of this has so far found no explanation for this change. Please contact operations with relevant information or data.
### 3rd Party Cargo Information

<table>
<thead>
<tr>
<th>Date</th>
<th>Refinery</th>
<th>Vessel-Name</th>
<th>API</th>
<th>SUL</th>
<th>TAN</th>
<th>NI</th>
<th>V</th>
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<td>Refinery-AAAAAAA</td>
<td>Vessel-BBBBB</td>
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<td>0.23</td>
<td>0.22</td>
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<tr>
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<td>Vessel-BBBBB</td>
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<tr>
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<td>Refinery-AAAAAAA</td>
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<td>0.43</td>
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### Company Specific Cargo Data

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PetroTech Intel, LLC
CIMS - Company Proprietary Data - Text Entry Form

Selected Grade: ABU SAFAH

To Private Pg: ABU SAFAH  To CIMS Entry  Close Window

>> Ready to Enter New Blurb for Grade [ABUSAF] on Account [411] by [411 pdperki]

ITEMS: New Entry!

Delete Blurb!  New Blurb!

Last Updated on: System-Generated  By:
Item Date:
Item Title:
Item Text Body:

Blurb Format: Standard

Update Blurb!  Reset Blurb!
Cargoes – 
- Date 
- Vessel 
- Parcel Size 
- Loadport 
- Disport 
- Whole crude properties 
  - Unit Conversions