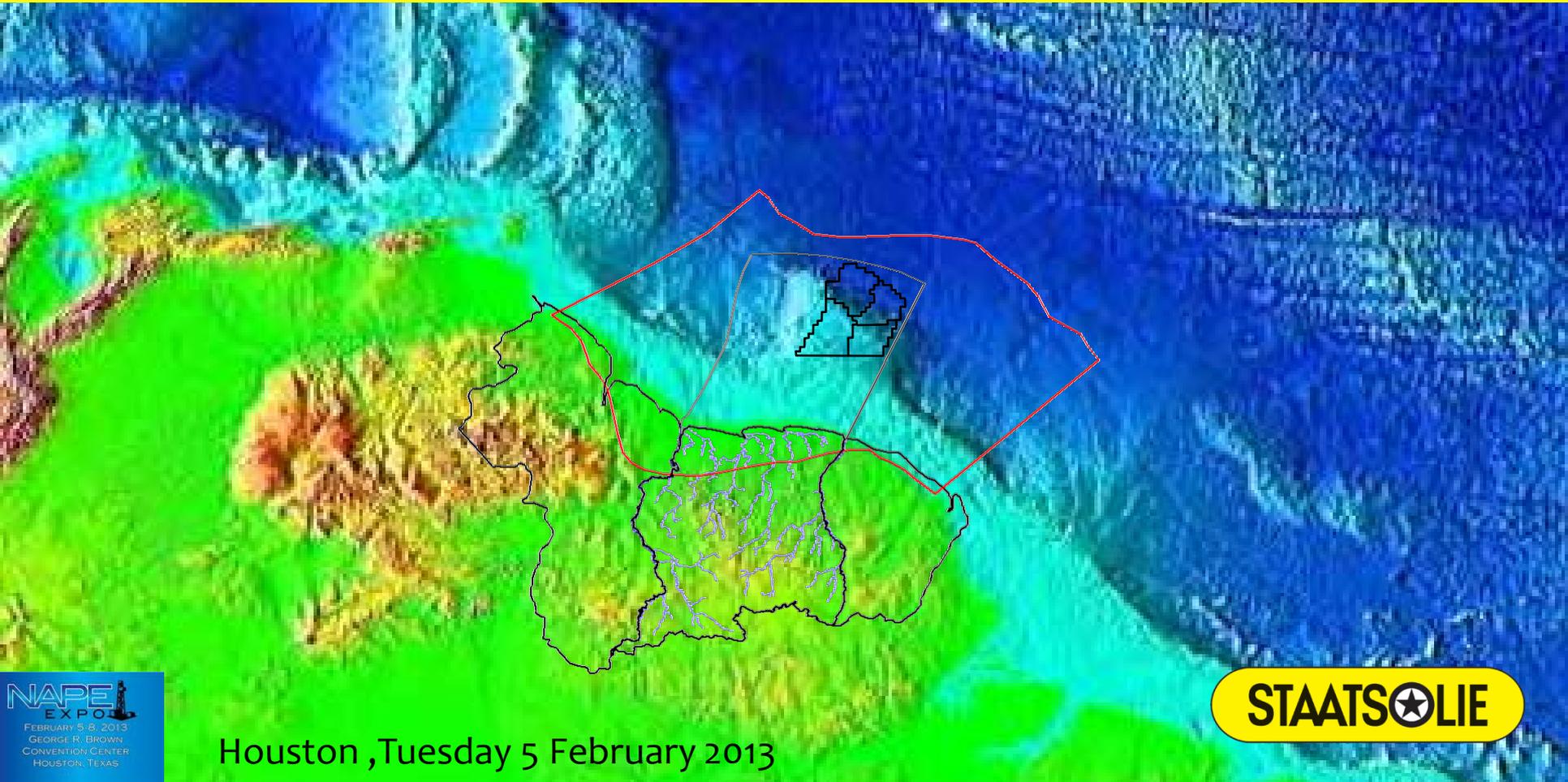


Suriname

International competitive Bid Round 2013

The Demerara Plateau An Exploration Opportunity Offshore Suriname



Overview Staatsolie

History

Founded in 1980

Shareholder Republic of Suriname

Functions

Commercial Entity:

Independent, vertically integrated Oil Company

Regulator:

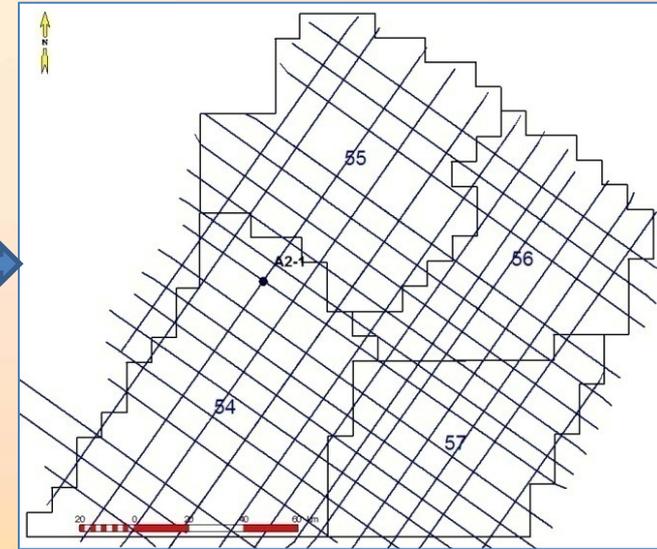
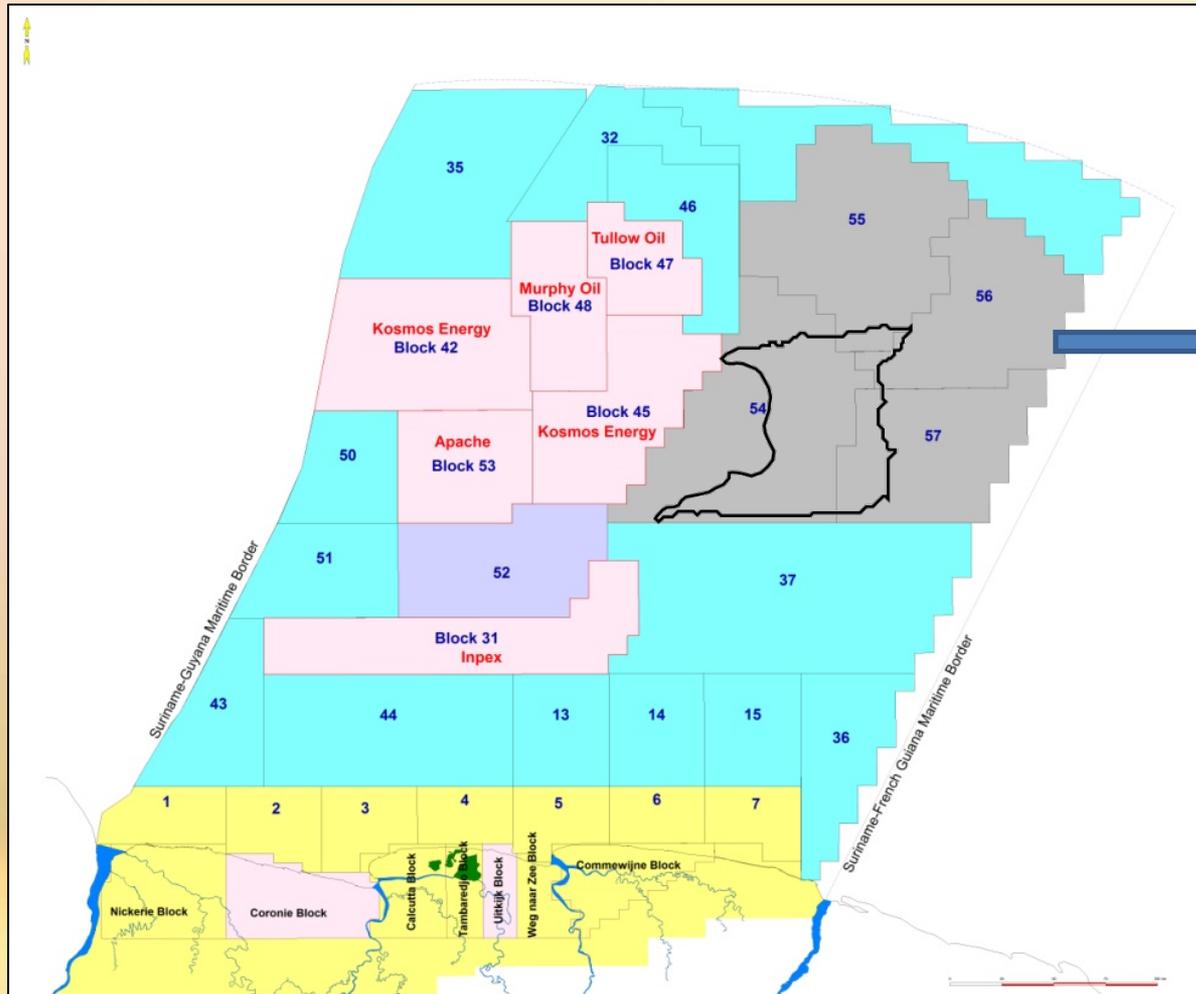
Policy, promotion, contracting and supervision of petroleum activities

Core Activities

Exploration	180,000km ²
Crude production	16,000 bopd
Refining	7,200 bpsd
Marketing (bunkering)	720,000 bbls/year
Thermal Power Generation	28MW

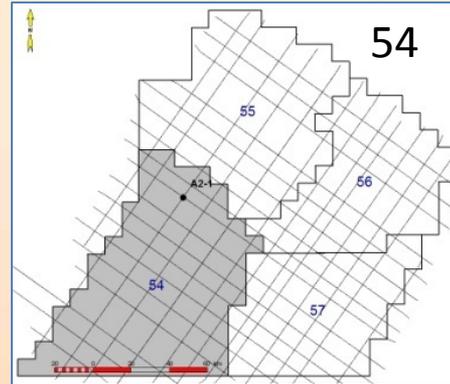
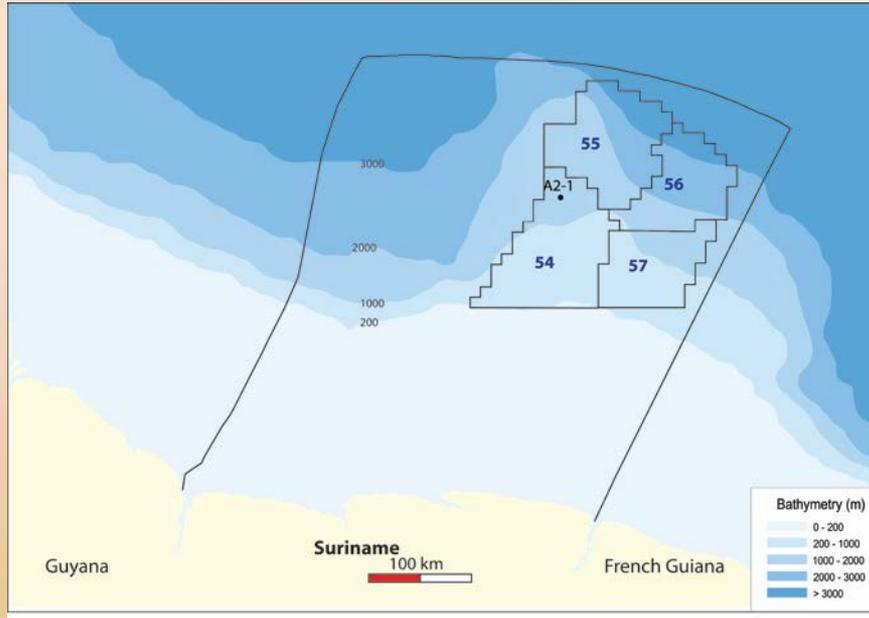


The Demerara Blocks

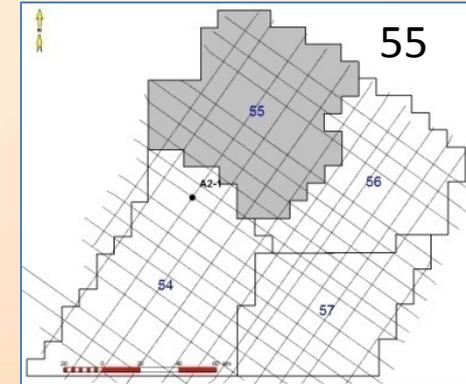


Demerara Acreage – New Data Coverage

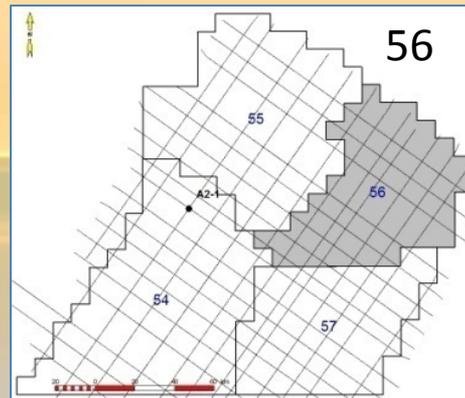
Blocks 54, 55, 56 and 57 on Offer



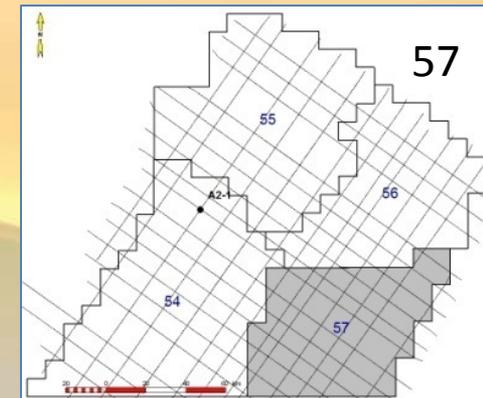
Surface Area: 8824 km²
Seismic Coverage: 1350 km
Well:A2-1



Surface Area: 7765 km²
Seismic Coverage: 1073 km



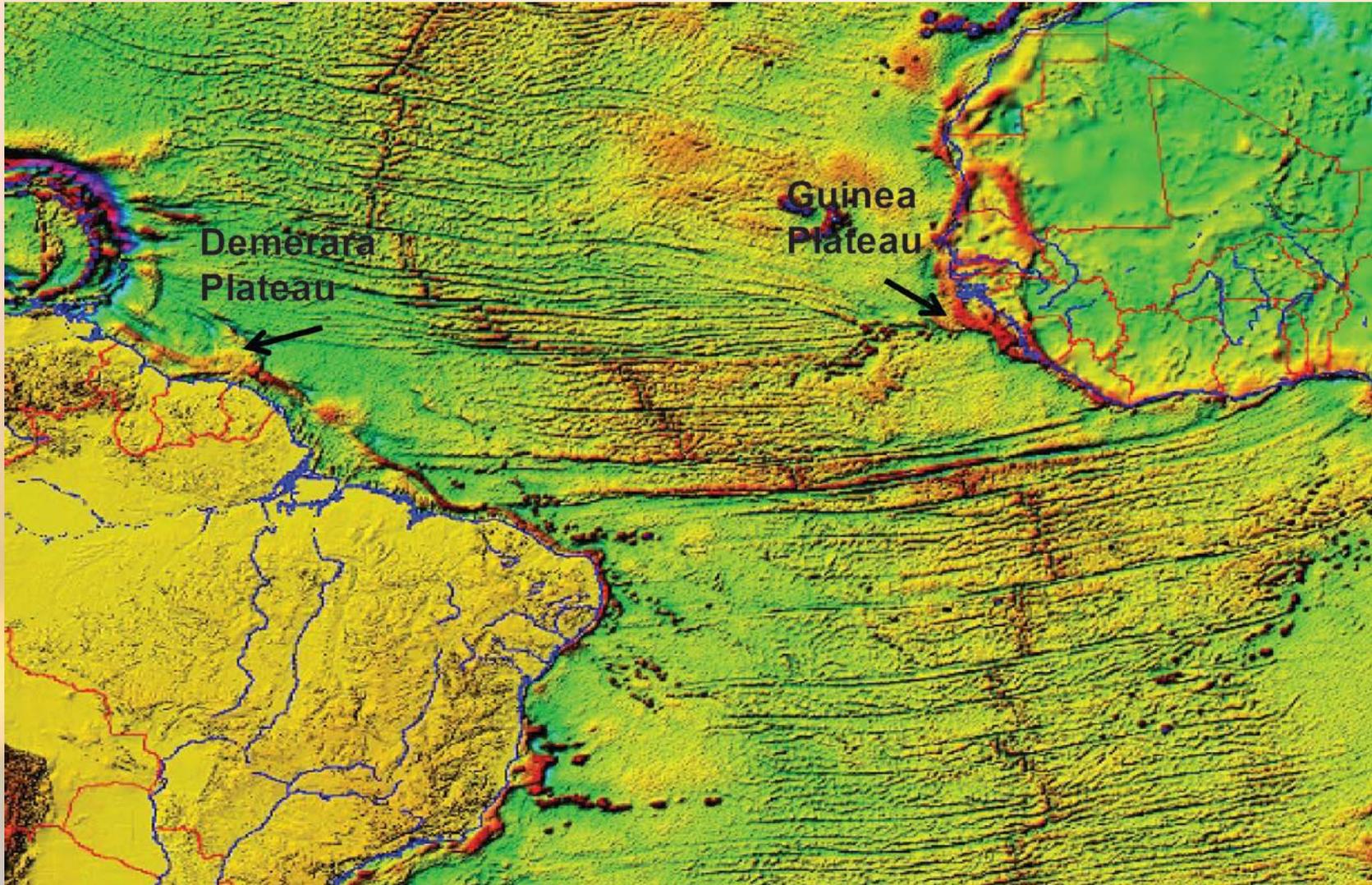
Surface Area: 5704 km²
Seismic Coverage: 938 km



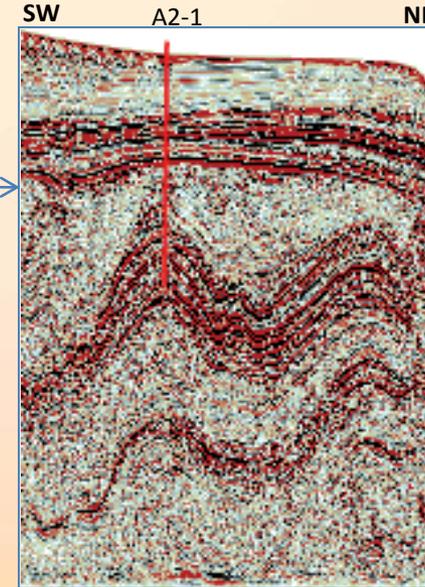
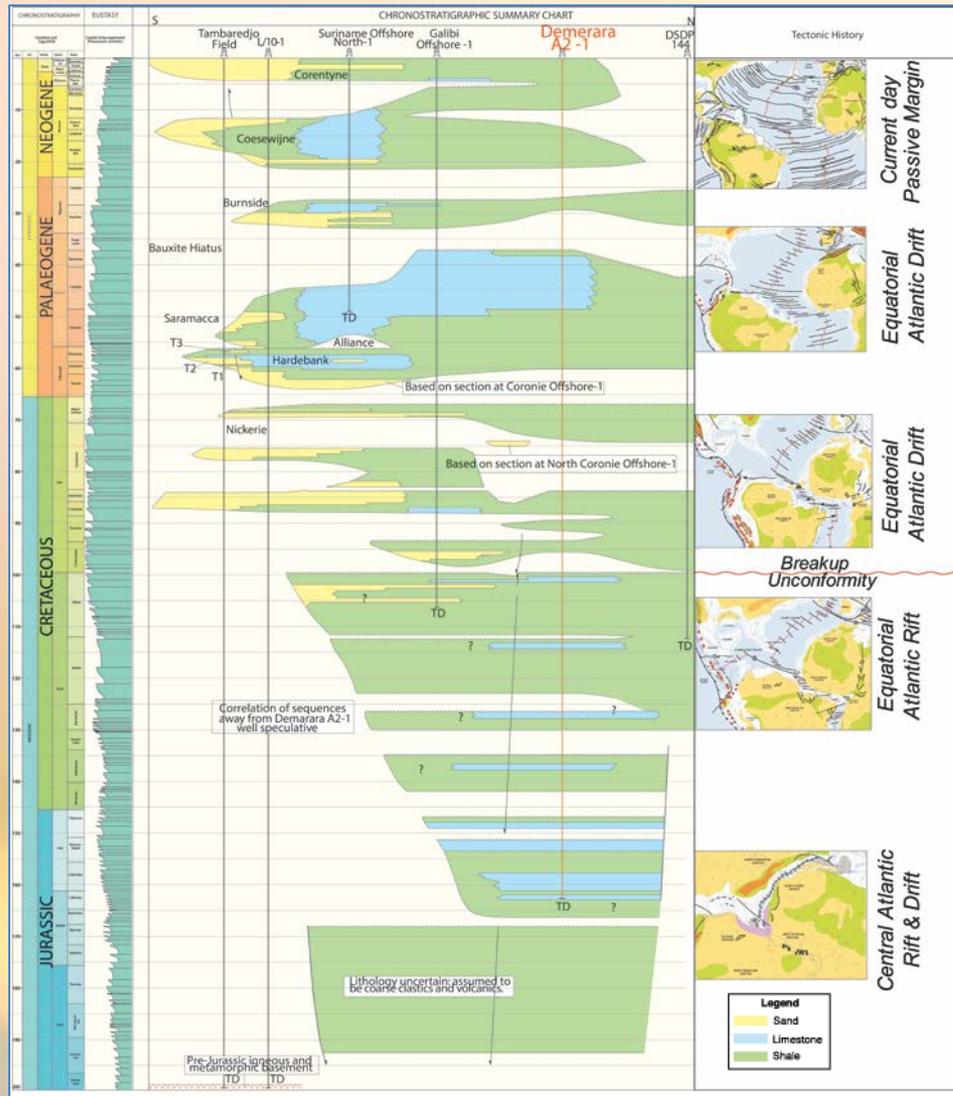
Surface Area: 5527 km²
Seismic Coverage: 1018 km

The Conjugate Counterpart to the Guinea Plateau

Mini Basins, Anticlines, Fault Related Structure

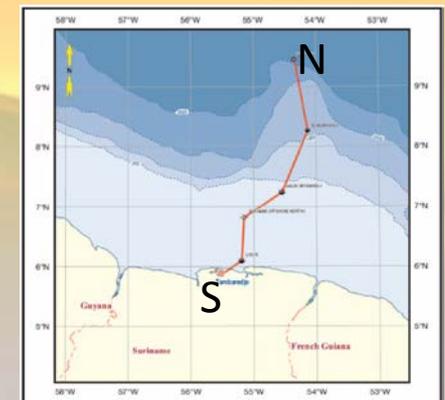


Tectono – Stratigraphic Summary Chart



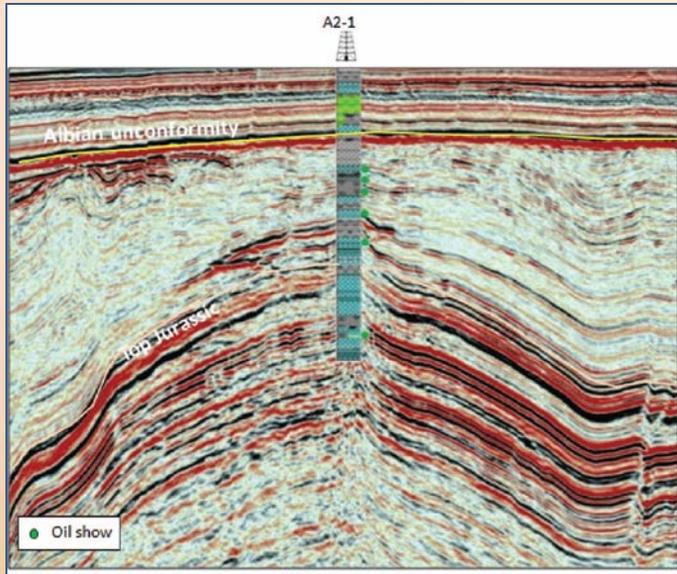
Compression due to rotation of Africa and South America

- Tectonic History marked by a series of unconformities
- Compression occurred pre Breakup Unconformity



After: Development of a Petroleum System model for the Suriname – Guyana Basin, South America, 2010

Source Rock/ Seal potential Insights

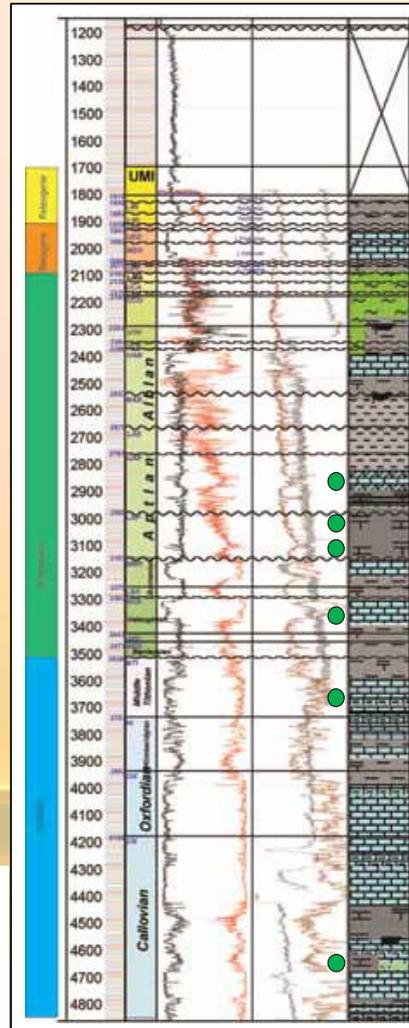
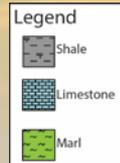


Source Rocks penetrated in the A2-1 well

Cenomanian-Turonian TOC : 4.4 – 7%

Albian – TOC: No TOC reported

Callovian – TOC: 1 - 2% ; 0.6% VR



A2-1 Well Logs and Lithology

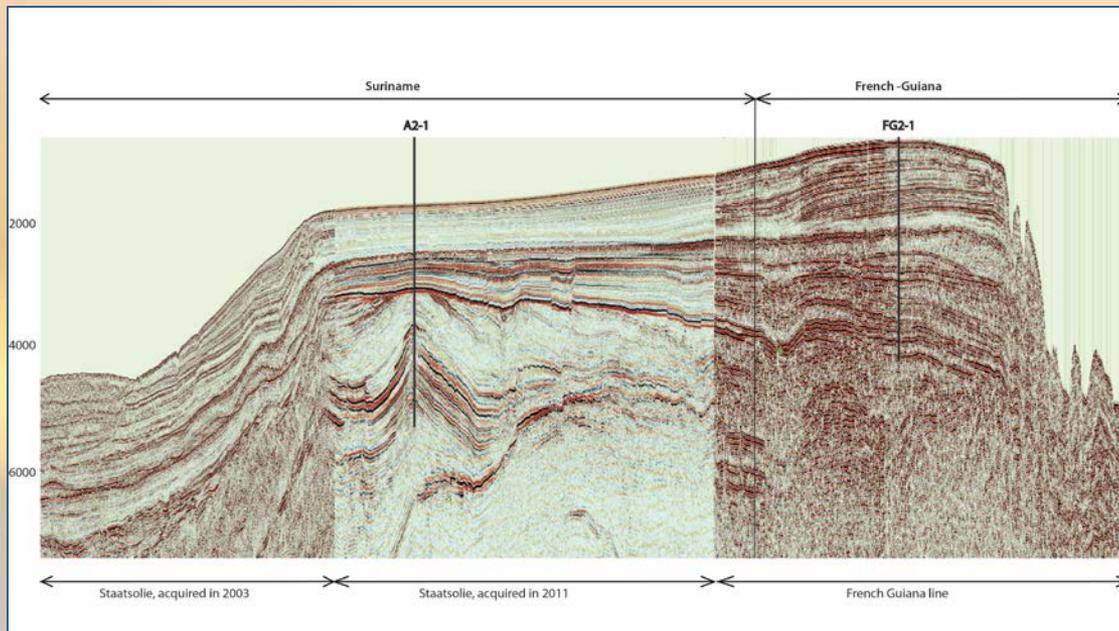
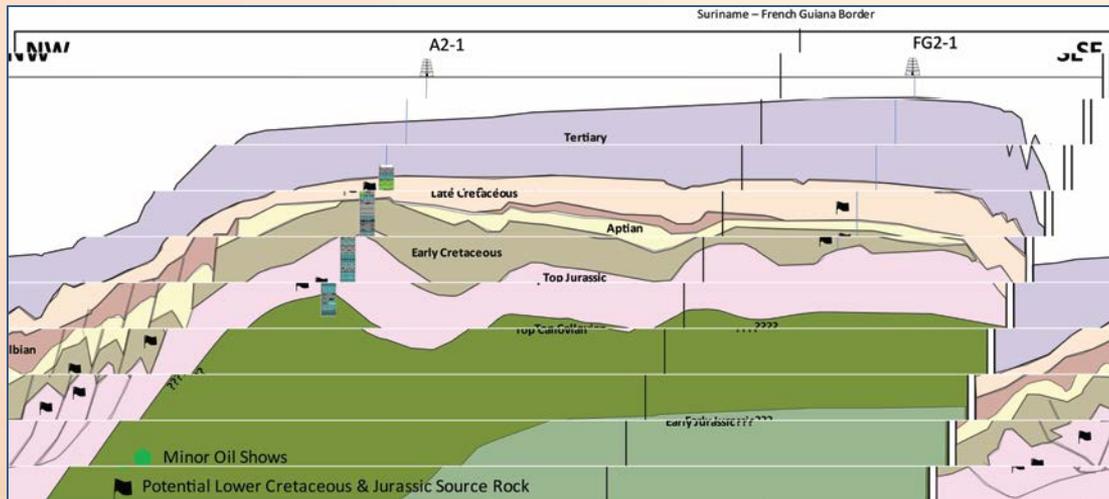
Seal Presence / Integrity

- Thick columns of shale (reaching up to 300 meters) encountered in the A2-1 well
- Oil shows not encountered above the Albian Unconformity
- Shale columns appear to be spatially extensive on seismic
- Good seal potential expected for the Demerara Plateau

Petroleum System

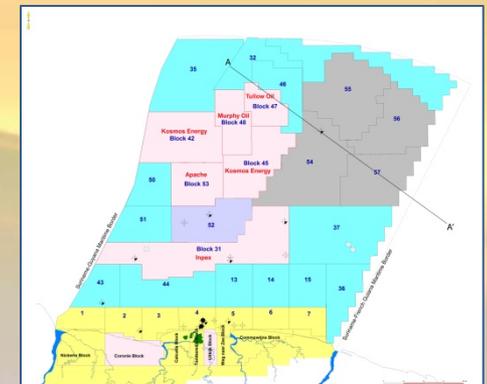
- A2-1 well :1 - 2% TOC; 0.6% VR (limited data)
- Restricted environment before and during Jurassic
- Lacustrine/hypersaline oil typed in onshore
- Possibly supports a significant petroleum system

Reservoir Potential Insights



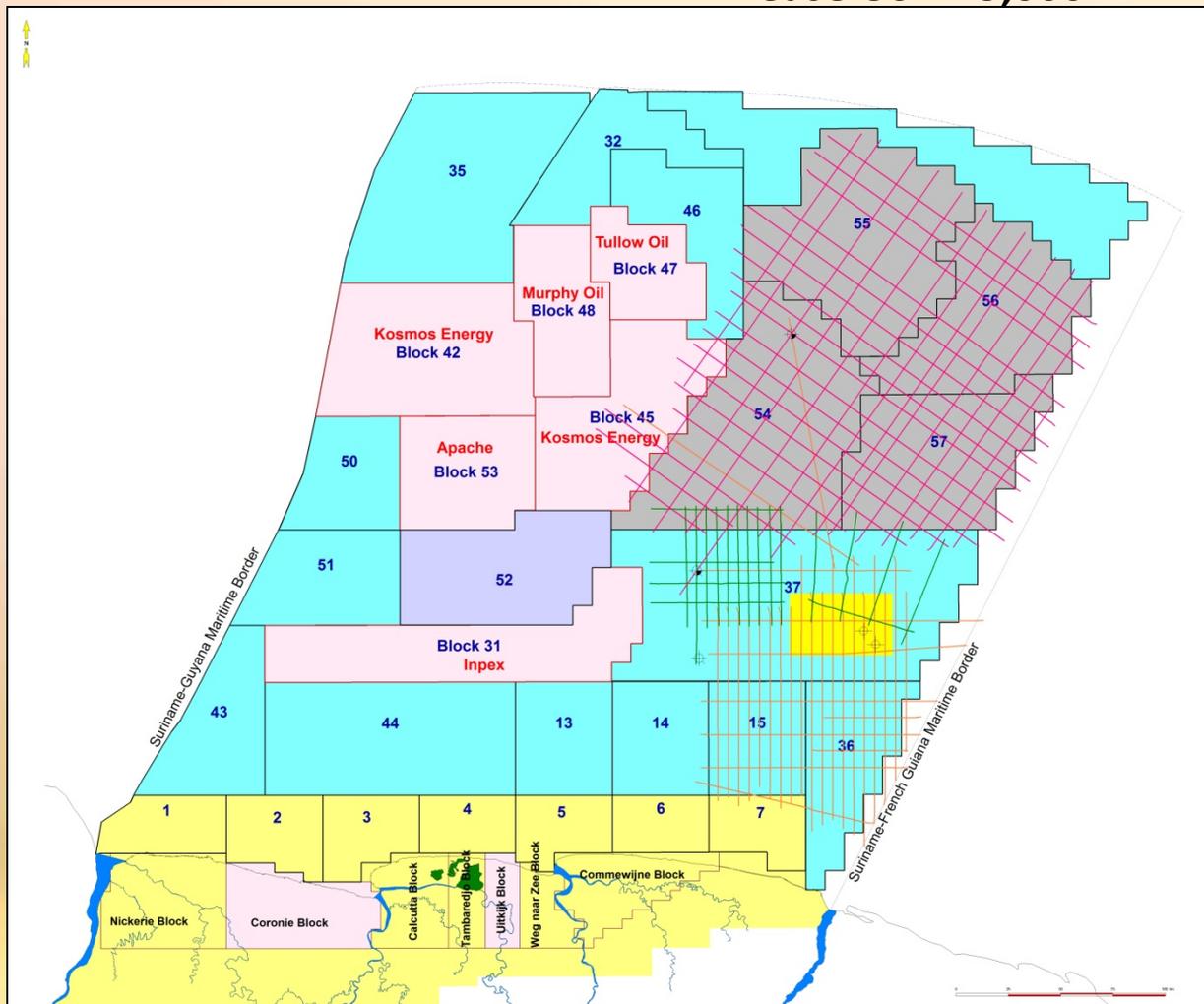
Reservoir Presence

- Aptian reservoir sands encountered in FG2-1
- Aptian reservoir sands extend into the Demerara Plateau but eroded at A2-1 well
- Aptian reservoir sands are expected in the mini basins
- All oil shows in the A2-1 well are below the Albian unconformity
- Shale on the Albian unconformity is considered to be seal for possible hydrocarbons of the Aptian reservoir sands



Extensive Data Package 2013

Lease USD 75,000



- **2D Seismic:** Approx. 4,952 km on the Demerara Plateau, acquired in 2011

Reprocessed Seismic Velocity Data

- **3D Seismic:** 1500 km in Block 37

- **Well Data:** 5 Offshore Wells (A2-1, GLO-1, MO-1, CRC-1, ARC-1)

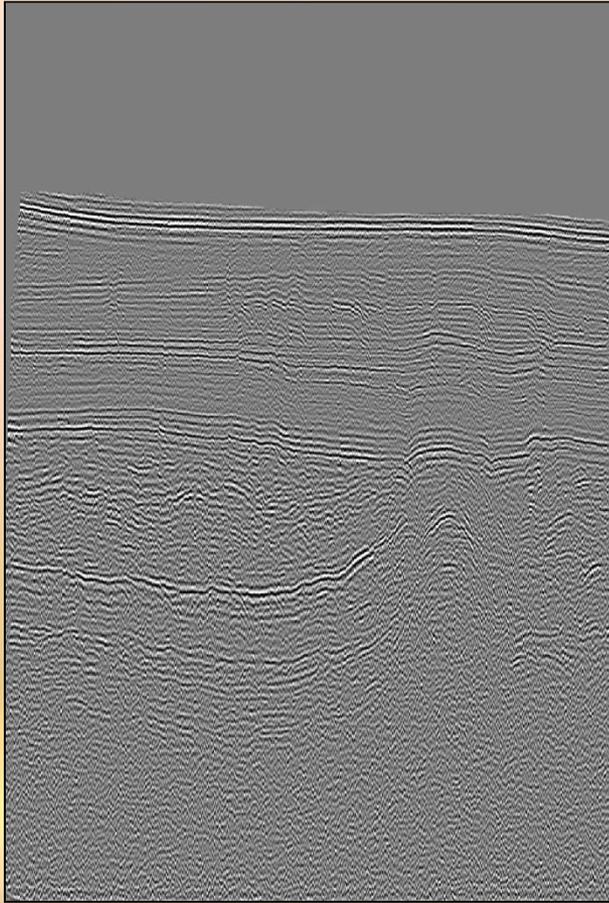
Well Logs

- **Reports:** Acquisition, Processing, Gravity and Magnetometer

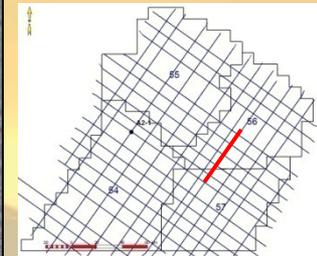
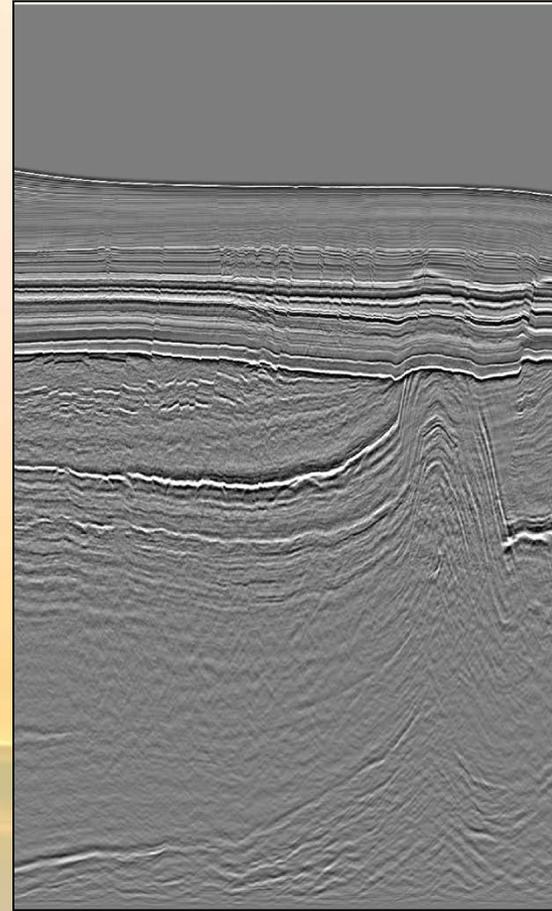
[Virtual Data room: http://staatssuriname3111.ezdataroom.com](http://staatssuriname3111.ezdataroom.com)

Data Quality

Historical Data



CGGVeritas BroadSeis®



Non-Biddable Items

- Purchase Data over Awarded Block
 - USD 500,000 – 600,000
- Relinquishment at the beginning of each phase of the Exploration Period
 - 20 – 25% depending on the size of the block
- Royalty and Income Tax Rate
 - 6.25% & 36%
- Cost Oil Ceiling 75%
- Staatsolie Participation in Development & Production
 - 20%

Two Biddable Items

Maximum of two (2) Blocks per bidder

Minimum Work Program Phase 1 Exploration Period

- Phase 1: Four years
- At least 3,000km 2D seismic or 1,000 sq. Km 3D seismic . In case offer consists of 2D and 3D, the minimum is 750 sq.km

Profit Oil Share

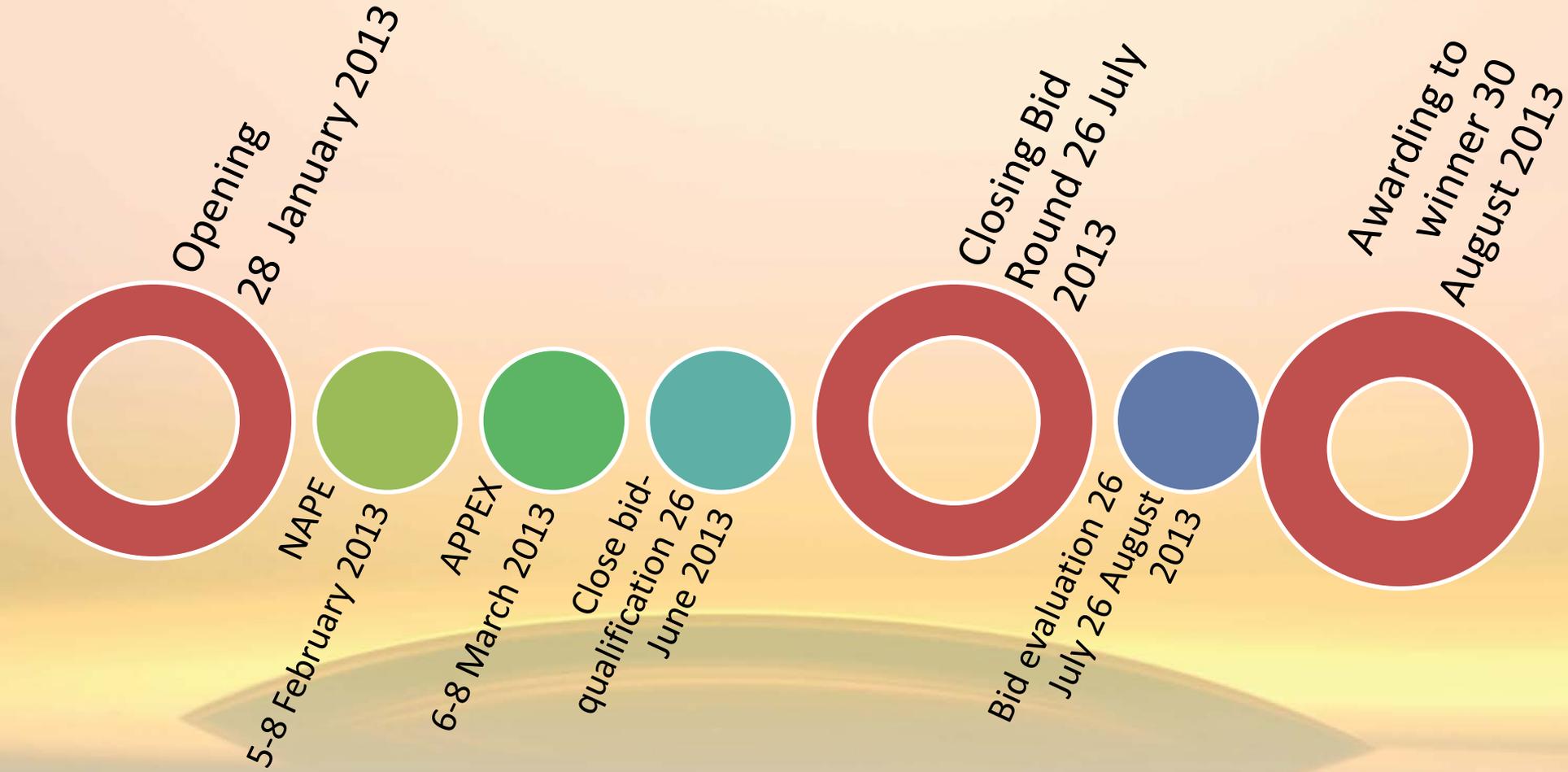
R- Factor Slices	Staatsolie Share (%)
0-1.25	20 + X
1.25- 1.50	25 + X
1.50-1.75	30 + X
1.75-2	40 + X
2-3	50 + X
>3	70 + X

Why Suriname?

- Good potential for seals
- A proven Cenomanian - Turonian Source Rock and potential for significant petroleum system sourced by the Callovian
- Migration from juxtaposed Cenomanian Turonian Source Rock and vertical migration from Callovian Source rock
- Higher potential for good reservoir in the Aptian sandstones of the mini basins
- Aptian mini basins, Jurassic - Aptian anticlinal folds, fault related structures (rotated faulted blocks, possible thrust fault blocks)

- Economic growth- example in the Caribbean
- Politically Stable
- Safe country to operate
- Fast Decision Making
- Staatsolie reliable and supporting partner
- Adjusted fiscal terms
- Excellent data

Schedule of Events



Thank you

COME AND EXPLORE WITH US

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