

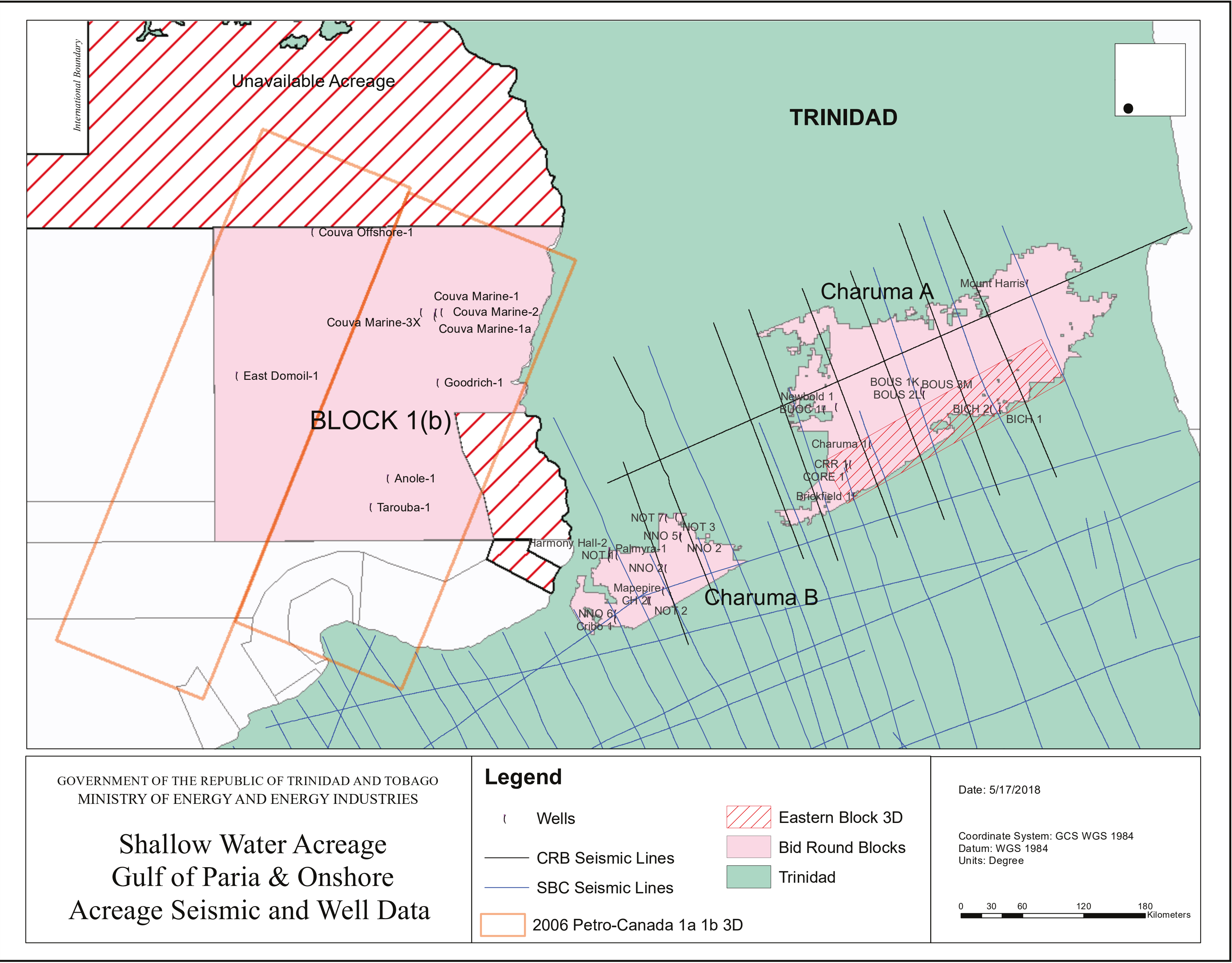
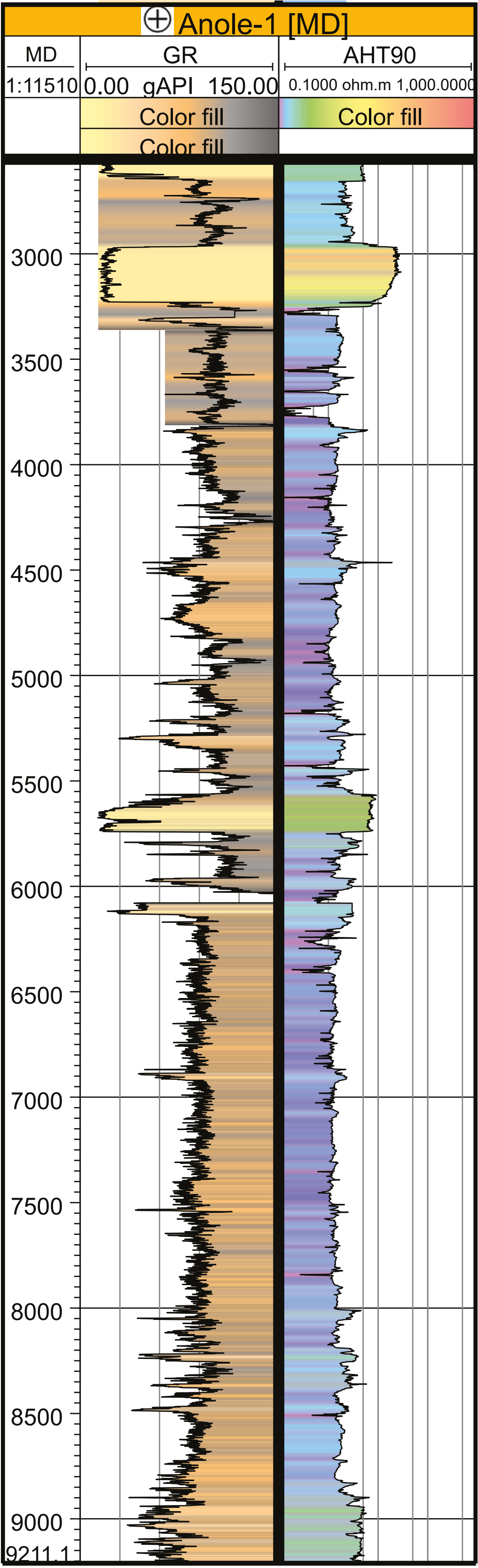
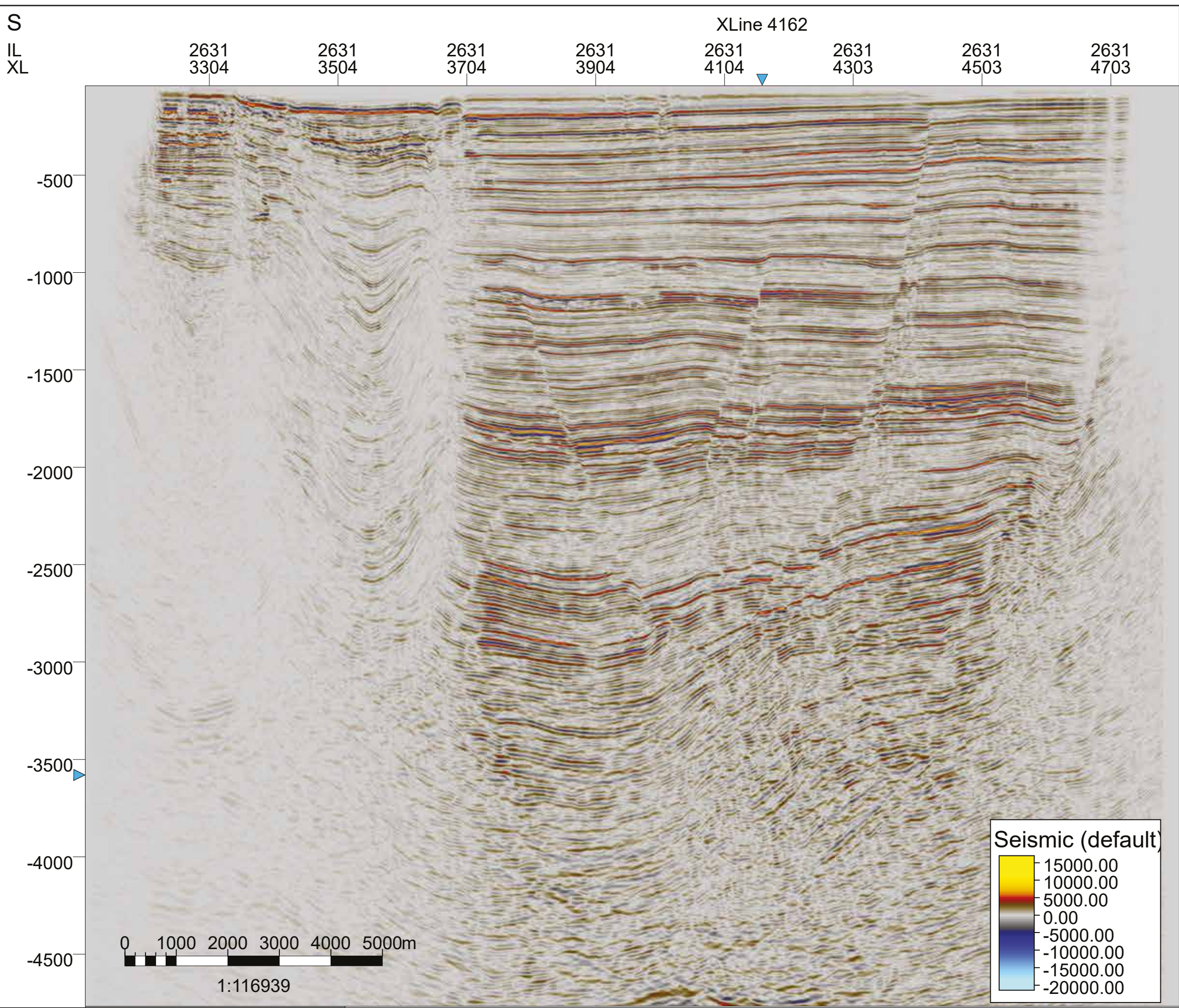
SHALLOW WATER GULF OF PARIA AND ONSHORE ACREAGE

SHALLOW WATER ACREAGE - GULF OF PARIA

Block 1(b) is located in the Gulf of Paria, west coast Trinidad and it is 57799 hectares in size.

Petroleum System

- Block 1(b) has proven oil, condensate and biogenic gas shows in the reservoir sands.
- The source of the hydrocarbons is the Micocene-Pliocene aged Brasso/ Manzanilla formation.
- There are three main Pliocene aged reservoir units: Manzanilla formation, Springvale formation and Talparo formation (Durham, Caparo, Sum Sum and Chin Chin members)



Data Available

- 9 wells
- 2006 Petro-Canada 1(a) &1(b) 3D Seismic Survey

Reservoir Properties

Porosities:15-35%, Water Saturation: 45-60%

ONSHORE ACREAGE

Charuma A & B are located in Central Trinidad and are a subset of the original Central Range Block. Charuma A is an estimated 24623.25 hectares in size while Charuma B is 6109.41 hectares in size.

Petroleum System

- The Charuma blocks have a combination of both oil and gas hydrocarbon types.
- The dominant source rock is the Cretaceous aged Naparima Hill formation.
- There are four main reservoir units: Miocene Nariva formation, Oligocene Zaboca Angostura formation, Eocene Pointe-a-Pierre formation and Cretaceous Naparima Hill formation.

Data Available

- 27 Wells
- 1990 SBC 2D Seismic Survey
- 2009/2012 Parex 2D Seismic Survey
- 2002/2004 Eastern Block 3D Seismic Survey

Play Type

- Miocene Sandstone Shallow Structural/ Stratigraphic Play
- Oligocene- Cretaceous Deep Sub-Thrust Structural Play

Reservoir Properties

Porosities: 15-20%, Permeabilities:50-250 mD, API: 25-40°

