

Country Report:

Trinidad and Tobago

Helena Inniss

Disclaimer



I am engaged by the Ministry of Energy and Energy Industries as a consultant in the field of Data Management.

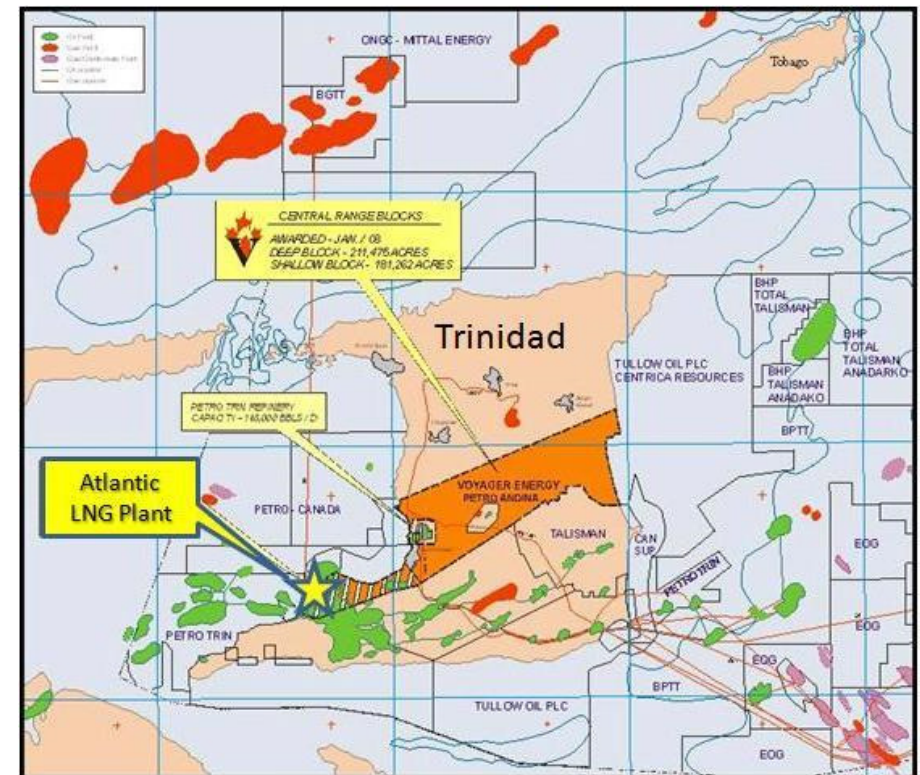
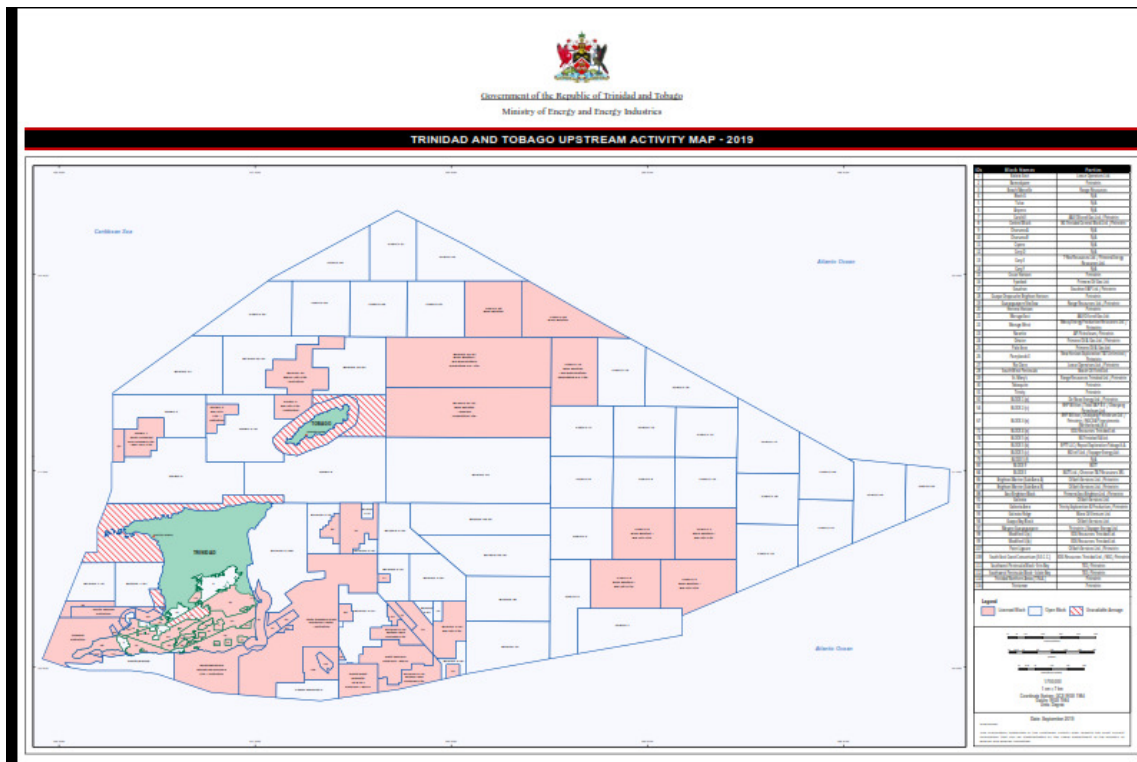
While aware that I am attending this seminar, I am not speaking in any official capacity or on behalf of the Ministry

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Location



Production Locations

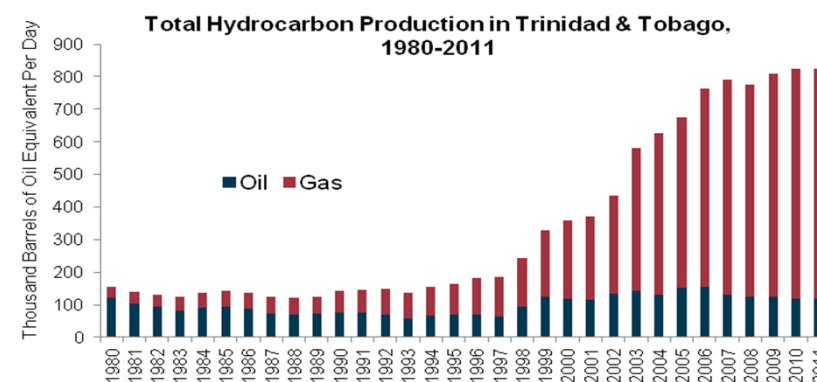
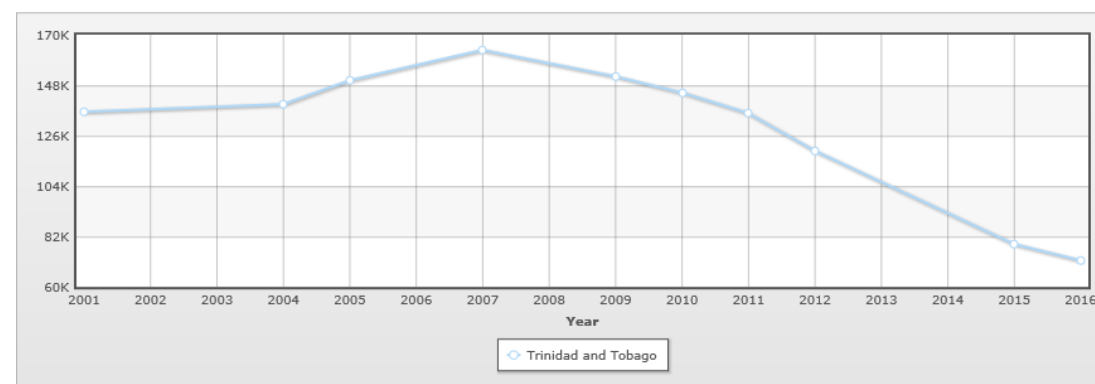
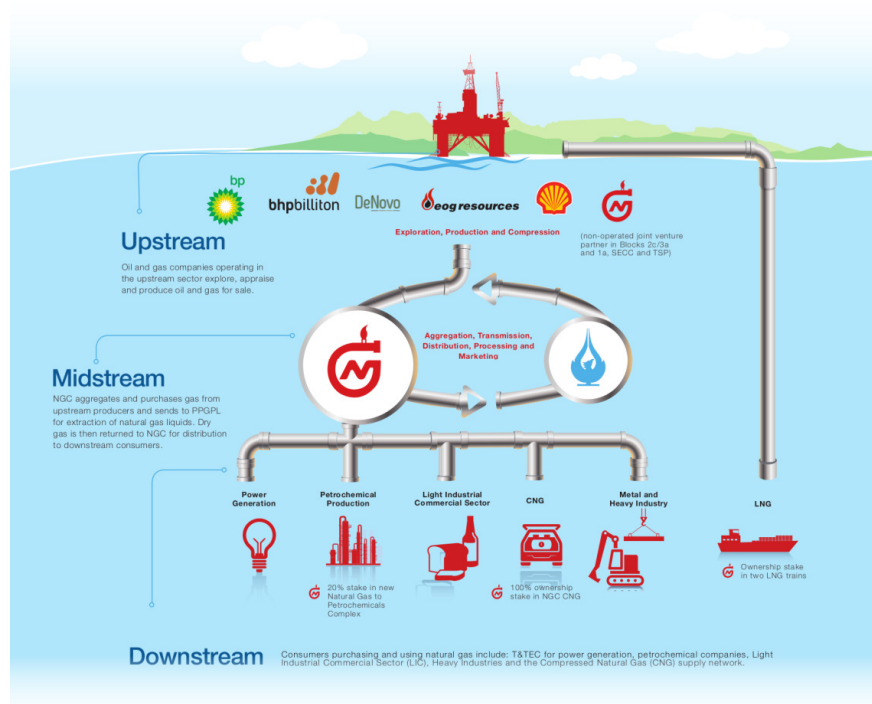


Legal Arrangements



- Laws and regulations formalised in 1962
- Regulations re data very nebulous
- Not clear re ownership and confidentiality – One company insists that their licence grants them ownership into perpetuity
- The use of a revised Production Sharing Contract was meant to circumvent these issues.
 - Made clear Data belong to the State
 - Data is for the Contractor's use as long as the acreage is under contract

Country Production



Source: Wood Mackenzie, Total Annual Production by Hydrocarbon
Note: Oil includes condensate.

Industry History



- 1857 First well drilled for oil in Trinidad – 61 metres deep in the vicinity of the Pitch Lake by the Merrimac Company
- 1865 Walter Darwent founded the Paria Oil Co. to drill for oil in south Trinidad
- 1866 First successful oil well drilled by Walter Darwent at Aripere
- 1901 Randolph Rust and Mr. Lee Lum drilled and tested a well which produced 455 liters of oil in 2 hours.
- 1903 Guyaguayare No. 3...first well to be drilled with rotary equipment.
- 1904 A Mines Department instituted as a branch of the Public Works with the production of manjak.
- 1908 Commercial oil production begins in Trinidad near the Pitch Lake, La Brea
- 1910 First export cargo of crude oil was shipped by tanker at Brighton, La Brea
- 1911 Discovery of Tabaquite field most northerly oilfield found on land, to date.
- 1912 Small refinery built at Point Fortin
- 1914 Production reached 1 MMB/year and the oil industry employed 1,200.
- 1919 Refinery capacity increased to 9,000 barrels of oil per day. Sixty-six percent of crude oil produced was refined locally.
- 1921 Production began from Trinidad Leaseholds Ltd.'s Cat Cracker Unit at Pointe-a-Pierre.
- 1930 Crude oil production increased to 10 million barrels per year.
- 1930 First importation of oil from Venezuela for refining locally.
- 1930 First geophysical surveys made in the Brighton area.
- 1932 Electrical well logging introduced in Trinidad.

NDR key parameters



Name of the NDR	Ministry of Energy and Energy Industries
Type of organisation	Regulatory
Operating since:	1904 (Mines Dept) Ministry Legally - 1962
Employees:	250 overall, 30 in ICT/Data Management
State participating agency:	Ministry of Energy and Energy Industries
State Supervisor:	Ministry of Energy and Energy Industries

Type of data	
Onshore	Yes
Offshore	Yes
License information	Yes
Production information	Yes

Objectives



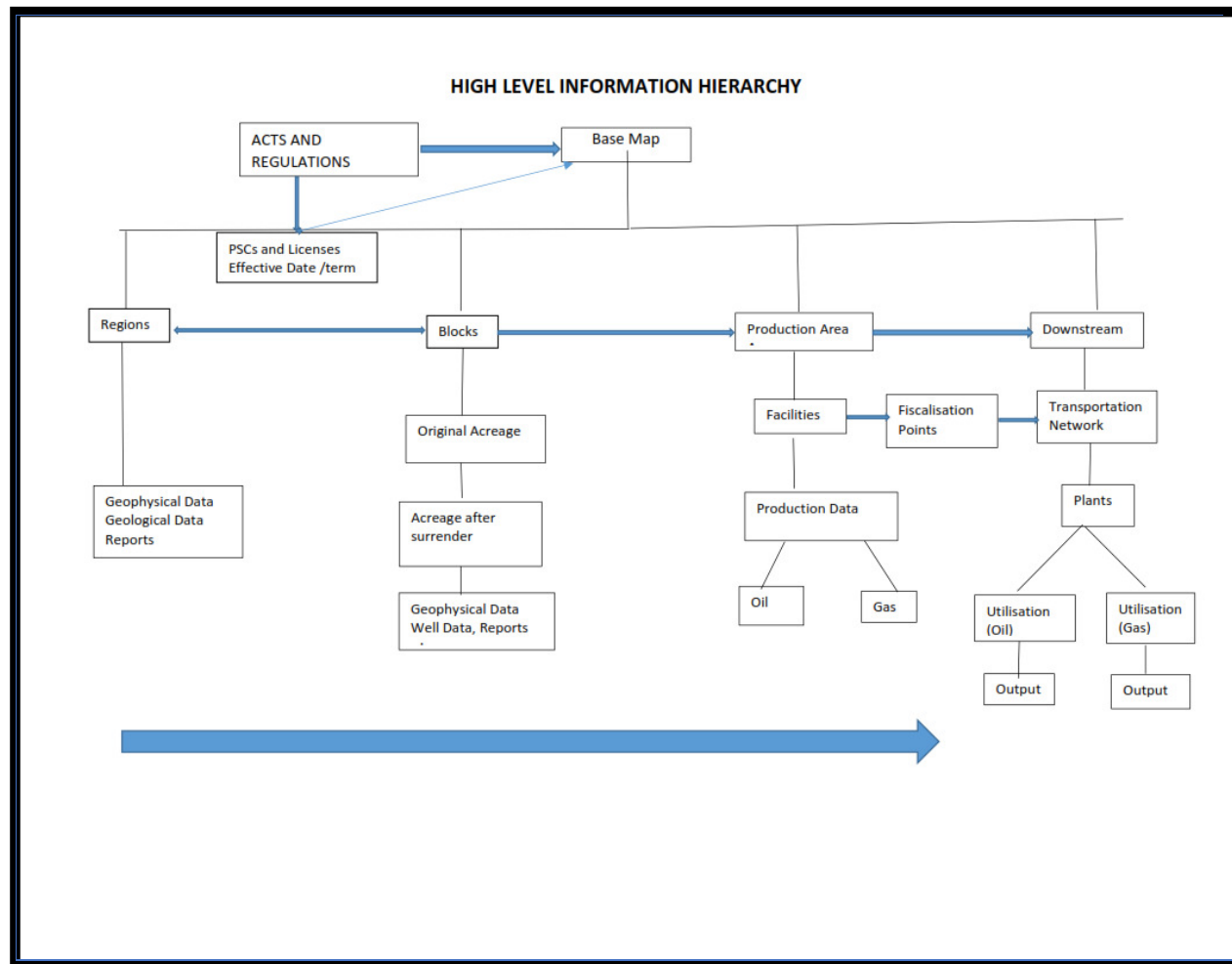
- Storage of data so that its safe, secure and easily accessible
- Making data readily available for internal use in the Ministry of Energy
 - In suport of licensing rounds
 - In support of internal studies of possible petroleum undertaken by the Ministry
- Making data available to external publics
 - Evaluation of open acreage
 - For academic purposes
 - Multiclient studies
 - Competitive Bid Rounds

Challenges



- No coordinated approach to Data Management over the years
- Data Management placed in different units in the Ministry over the years
 - G&G – didn't acknowledge its importance
 - Resource Management Section – too many responsibilities to properly manage the asset
 - Information Technology – proved to be a backward step
- Funds required to upkeep a continuously growing data centre will never be available - dependency on State (cash-strapped) funding
 - Seismic data management currently stagnating

Challenges



Successes?



- <http://www.energy.gov.tt/data/energy-data-center/>
- .
- [EDH Upstream Naming Conventions and Standard Codes Document April 9th 2018](#)

EDH Upstream

- [EDH Upstream Naming Conventions and Standard Codes Document March 23 2017](#)
- [EDH Code Update Form](#)
- [Information Reporting Requirements of the Ministry of Energy & Energy Industries:2016](#)
- [EDH Upstream Data Loading Templates](#)
- [Input Forms Instructions](#)
- [Reserves Templates](#)
- [Circular](#)
- [Mandatory Fields](#)

Successes?



- Automatic compliance and reporting (doesn't always work)
- Portal to internal users (not yet achieved after 15-20 years)
- Portal pushed out to external users (ditto)
- Production data automatically entered into database and used for statistical purposes (not happening)

Future Plans



- Nebulous at best
- Data Management Consultant hired to provide advice
- Get the seismic data organised (storage and retrieval of huge volumes)
- Still looking at only inhouse storage/work proceeding inhouse with outsourced software

Thank you



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