



TRINIDAD AND TOBAGO GAZETTE

(EXTRAORDINARY)

VOL. 49

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No. 18

299

APPOINTMENT TO ACT TEMPORARILY AS A MEMBER OF THE SENATE

IT IS HEREBY NOTIFIED for general information that, under the provisions of section 40 and section 44 of the Constitution of the Republic of Trinidad and Tobago, His Excellency the President, acting in accordance with the advice of the Prime Minister, has appointed MR. JOEL PRIMUS, to be temporarily a Member of the Senate, with effect from 23rd February, 2010 and continuing during the absence from Trinidad and Tobago of Senator JOHN JEREMIE.

H. HEMNATH
*Secretary to His Excellency
the President*

19th February, 2010.

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APPLICATION FOR A PIPELINE LICENCE BY PETROLEUM COMPANY OF TRINIDAD AND TOBAGO LIMITED

PURSUANT to Section 7 of the Petroleum Act Chapter 62:01, notice is hereby given that an application for a pipeline licence has been made by the Petroleum Company of Trinidad and Tobago Limited to construct, install, maintain and operate a pipeline as described in the attached schedule along the route indicated in the attached map marked "A".

Any person may object to the issue of the above-mentioned licence on the ground that it is inconsistent with, or would interfere with, rights held by him under the Petroleum Act, Chapter 62:01.

All objections to the grant of the Pipeline Licence to the afore-mentioned applicant may be lodged with the Minister of Energy and Energy Industries within thirty days of the date hereof at Tower C – Energy Trinidad and Tobago, Level 26, International Waterfront Centre, #1 Wrightson Road, Port of Spain, Trinidad.

C. ENILL
Minister of Energy and Energy Industries

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SCHEDULE ABOVE REFERRED TO – DESCRIPTION OF PIPELINE

Description: The proposed underground 102-mm (4-inch) Isobutane pipeline would begin with a flanged connection within Phoenix Park Gas Processor's Ltd (PPGPL) property fence line in the Point Lisas Industrial estate. It will then head east towards the Southern Main Road, paralleling an existing 356-mm (14-inch) Petrotrin pipeline. It then crosses the Southern Main Road and heads north east along an existing National Gas Company (NGC) Right of Way (ROW) which runs south of the Phoenix Park Valve Station. It continues along this ROW in a southeast direction for approximately 5.00 km (3.10 miles). The pipeline then crosses under Diamond and Cedar Hill Roads (road bores) and continues southward. It then crosses an existing 914-mm (36-inch) NGC Gas pipeline and Hermitage Road (road bore) within the same ROW. It parallels this existing 914-mm (36-inch) NGC line and continues southward along the western side of the Solomon Hochoy Highway until it enters Petrotrin's property fence line at Pointe-a-Pierre. This route continues south within the Petrotrin compound past the NGC Valve Station and ends there with a connection to above ground piping. Reference Map 'A.'

Length - 12.00 km (7.50miles)

Specification
Of Pipeline:

Outside Diameter - 114.30mm (4.50 inches)
Wall Thickness - 6.02mm (0.237inches)
Grade of Pipe - API 5L, Grade B seamless

Material of
Construction - Carbon Steel.

Coating
Specification: External - 0.36mm (14.20mils) Fusion Bond Epoxy (FBE) coating

Internal - no internal coating

Fabrication - The pipeline will be welded in accordance with API Code 1104 and subjected to 100% radiographic inspection.

Cathodic
Protection - The cathodic protection will be an Impressed Current Deep Well
Ground Bed System

Depth of
Line - The pipeline will be buried at a minimum depth of 1.52 m (5.00 feet) on normal grade.

Fluid for
Transmission - High purity isobutane

300—Continued

DESCRIPTION OF PIPELINE—CONTINUED

Operating Pressure - 14.13 barg (205.00 psig)

Design Pressure - 14.13 barg (205.00 psig)

Hydrotest Pressure - 17.72 barg (257.00 psig)

Estimated Capacity - 556.45 m³/d (3500 BPSD).

Owners of land over which line will pass - The line passes through Caroni, Petrotrin, Private and State lands.

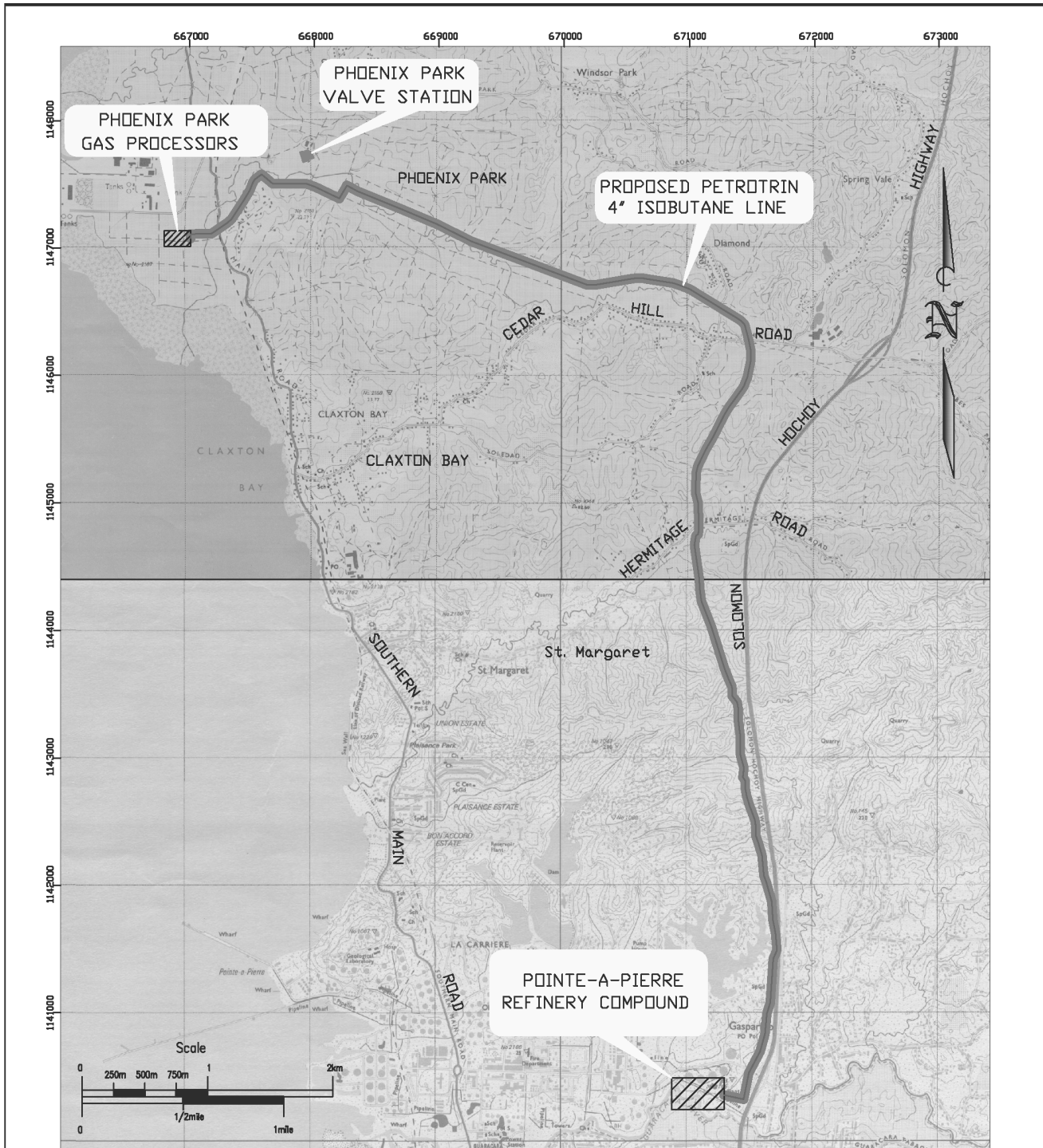
Estimated Cost - \$19.50 million TT

C. ENILL

Minister of Energy and Energy Industries

300—Continued

'A'



Area Of Interest

MINISTRY OF ENERGY & ENERGY INDUSTRIES
 LOCATION MAP SHOWING GENERAL PIPELINE ROUTE

APPLICATION FOR PROPOSED (4") ϕ 102mm
 ISOBUTANE LINE LICENCE BY PETROTRIN FROM
 POINTE-A-PIERRE REFINERY COMPOUND TO
 PHOENIX PARK GAS PROCESSORS LTD.

Date November 2009

Scale AS SHOWN

Prepared BY E.E.I.

300—Continued

**APPLICATION FOR A PIPELINE LICENCE BY
BP TRINIDAD AND TOBAGO LLC**

PURSUANT to Section 7 of the Petroleum Act Chapter 62:01, notice is hereby given that an application for a pipeline licence has been made by BP Trinidad and Tobago LLC to construct, install, maintain and operate a pipeline as described in the attached schedule along the route indicated in the attached map marked “A”.

Any person may object to the issue of the above-mentioned licence on the ground that it is inconsistent with, or would interfere with, rights held by him under the Petroleum Act, Chapter 62:01.

All objections to the grant of the Pipeline Licence to the afore-mentioned applicant may be lodged with the Minister of Energy and Energy Industries within thirty days of the date hereof at Tower C – Energy Trinidad and Tobago, Level 26, International Waterfront Centre, #1 Wrightson Road, Port of Spain, Trinidad.

C. ENILL

Minister of Energy and Energy Industries

300—Continued

SCHEDULE ABOVE REFERRED TO – DESCRIPTION OF PIPELINE

Description: The proposed 660.40mm (26-inch) diameter multiphase offshore pipeline for the Northern Area Development (NAD) will begin at bpTT's proposed Serrette platform approximately 60 km offshore the East Coast of Trinidad and end at the existing piggable wye, downstream of the Mango platform.
Reference Map 'A'

Length: - 50.26 km (31.20miles)

Specification

Of Pipeline: Outside Diameter - 660.40mm (26.00 inches)
Wall Thickness - 14.81mm (0.583 inches)

Grade of Pipe - API 5L X-65 PSL2

Material of
Construction:

- Carbon Steel.

Coating

Specification: External - 0.36mm (0.014 inches) External coating of Fusion Bonded Epoxy (FBE)

Internal - 3.18mm (0.125 inches)
Concrete Coating -69.85 mm (2.750 inches)

Fabrication: - The pipeline will be welded in accordance with API Code 1104 and subjected to non-destructive testing (NDT), 100% of the circumferential fields will be inspected with either automatic ultrasonic or radiographic (X-ray) methods.

Cathodic
Protection:

- The pipeline will be protected by sacrificial half shell aluminium bracelet anodes

Depth of
Line:

The pipeline will be laid on the seabed with a maximum water depth of 95.50m (313feet LAT) and a minimum water depth of 70.80m (232 feet LAT)

300—Continued

DESCRIPTION OF PIPELINE—CONTINUED

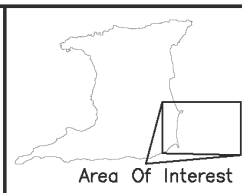
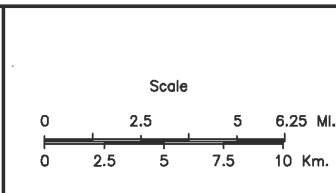
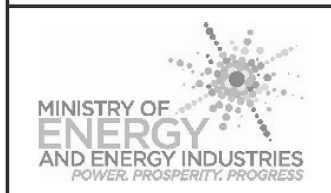
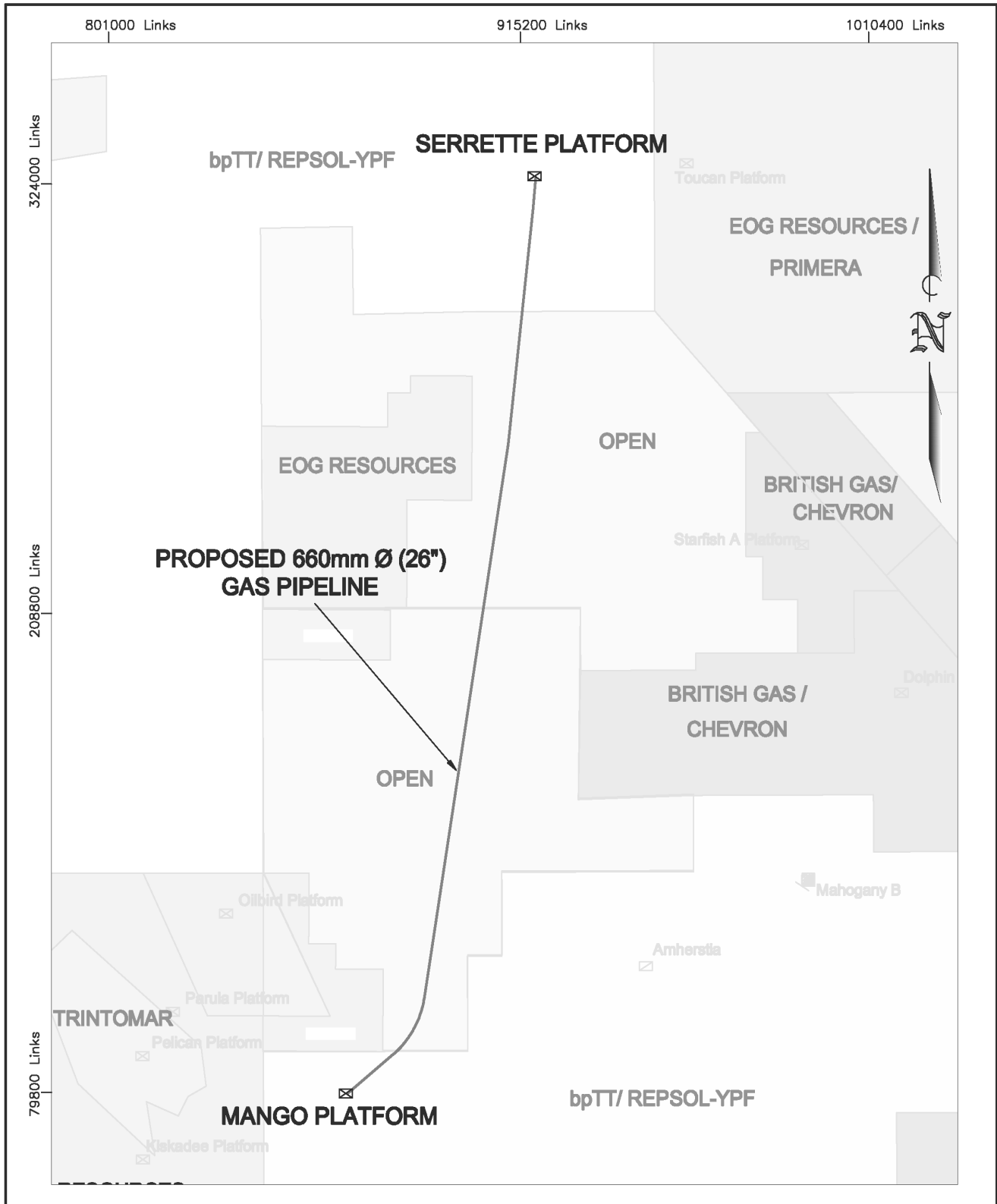
Fluid for Transmission:	- Multiphase (Gas, water and condensate)
Maximum Allowable Operating Pressure:	- 102.07 barg (1480.00 psig)
Design Pressure:	- 102.07 barg (1480.00 psig)
Hydrotest Pressure:	- 127.59 barg (1850.00 psig)
Estimated Capacity:	- $14.16 \times 10^6 \text{ m}^3/\text{d}$ (500.00 MMscf/d) + $158.99 \text{ m}^3/\text{d}$ (1000.00 bpd)
Owners of acreage through which line will pass:	- bpTT , open
Estimated Cost:	- US\$ 500 Million

C. ENILL

Minister of Energy and Energy Industries

300—Continued

'A'



MINISTRY OF ENERGY & ENERGY INDUSTRIES

GENERAL ARRANGEMENT SHOWING OFFSHORE PIPELINE

APPLICATION FOR PROPOSED 660mm(26") GAS PIPELINE LICENCE BY BPTT FROM BPTT'S PROPOSED SERRETTE PLATFORM TO BPTT'S EXISTING MANGO PLATFORM

Date : December 2009 Scale : N.T.S. Prepared BY: E.E.I.

300—Continued

**APPLICATION FOR A PIPELINE LICENCE BY
THE NATIONAL GAS COMPANY OF TRINIDAD AND TOBAGO LIMITED**

PURSUANT to Section 7 of the Petroleum Act Chapter 62:01, notice is hereby given that an application for a pipeline licence has been made by the National Gas Company of Trinidad and Tobago Limited to construct, install, maintain and operate a pipeline as described in the attached schedule along the route indicated in the attached map marked "A".

Any person may object to the issue of the above-mentioned licence on the ground that it is inconsistent with, or would interfere with, rights held by him under the Petroleum Act, Chapter 62:01.

All objections to the grant of the Pipeline Licence to the afore-mentioned applicant may be lodged with the Minister of Energy and Energy Industries within thirty days of the date hereof at Tower C – Energy Trinidad and Tobago, Level 26, International Waterfront Centre, #1 Wrightson Road, Port of Spain, Trinidad.

C. ENILL

Minister of Energy and Energy Industries

300—Continued

SCHEDULE ABOVE REFERRED TO - DESCRIPTION OF PIPELINE

Route: The proposed 304.80 mm (12.00-inch) natural gas pipeline will start at a Sub Sea connection from a 304.80 mm (12.00-inch) Riser installed on the proposed BHP Billiton Gas Export Platform located approximately 35.40 km (22.00 miles) off of the northeast coast of Trinidad. The proposed pipeline will then travel along the seafloor in a north westerly direction for approximately 54.10 km (33.60 miles) before terminating at the landfall point of the Horizontal Directional Drill (HDD) shore approach at Columbus Point on the South Western Coast of Tobago. Reference Map 'A'.

Length: 54.10 km (33.60 miles).

Specification of Pipeline: Outside Diameter - 323.80 mm (12.75 inch).
Wall Thickness -

Kilometre Point, KP	Length ,km (miles)	Wall Thickness mm (inch)	Concrete Coating thickness mm (inch)
0.00-5.00	5.00 (3.11)	25.40 (1.00)	69.80 (2.75)
5.00-8.00	3.00 (1.86)	11.10(0.44)	69.80 (2.75)
8.00-14.00	6.00 (3.73)	11.10 (0.44)	50.80 (2.00)
14-27	13.00 (8.08)	11.10(0.44)	69.80 (2.75)
27.00-46.80	19.80(12.30)	11.10(0.44)	50.80 (2.00)
46.80-50.20	3.40 (2.11)	25.40 (1.00)	50.80(2.00)
50.20-52.08	18.82 (1.17)	11.10 (0.44)	69.80 (2.75)
52.08-54.11	20.31 (1.26)	12.70 (0.50)	0.00 (0.00)

Grade of Pipe - API 5L X65 Seamless

Material of Construction: Carbon Steel.

Coating Specification: *External:* Fusion Bonded Epoxy (FBE) 0.36 mm (14.00 mils), in accordance with NACE Standard RP 0394 and 0.08 mm (3.00 mils) rough coat Concrete weight coating for stability (as above)

Internal: 0.08 mm (3.00 mils) High Gloss Epoxy Flow Coating in accordance with API RP5L2

Fabrication: The line pipe will be welded together in accordance with API Standard 1104 and all butt welds will be subject to 100% radiographic inspection while all fillet welds will be Magnetic Particle Inspected (MPI).

300—Continued

DESCRIPTION OF PIPELINE—CONTINUED

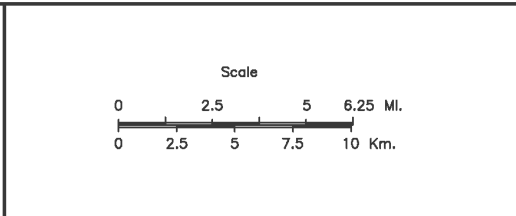
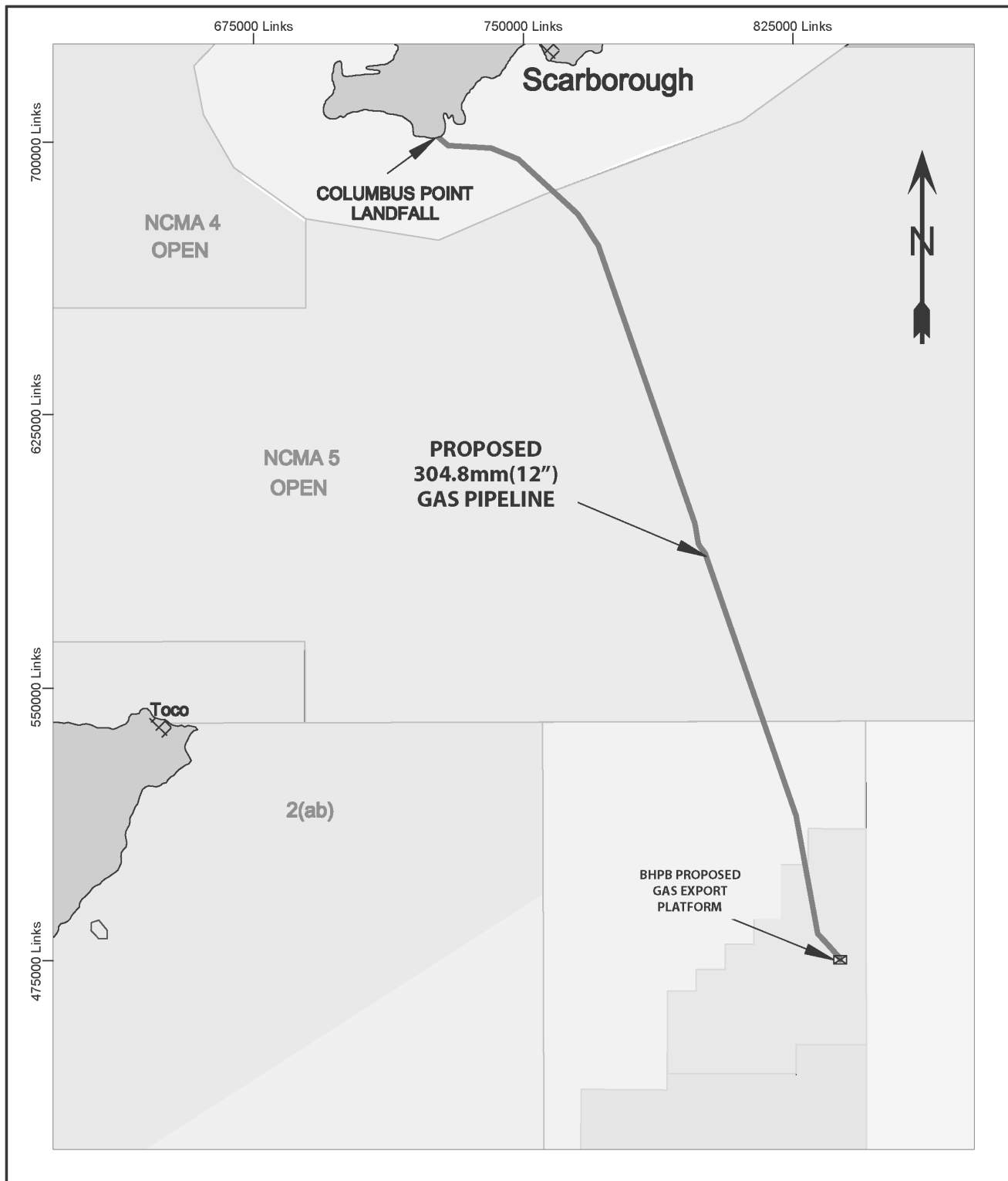
Cathodic Protection:	The pipeline will be a system of sacrificial aluminium anodes placed at regular intervals along the pipeline.
Depth of Line	The pipeline will rest unburied on the sea floor at water depths varying from 34.00 m (115.50 ft) to 70.01 m (229.70 ft). The offshore section of the HDD will have a maximum depth of 52.00 m (171.00 ft) below the water surface and 48.00 m (157.00 ft) below the seabed.
Fluid for Transmission:	Natural gas.
Maximum Allowable Operating Pressure:	99.30 barg (1440.00 psig)
Design Pressure:	99.30 barg (1440.00 psig).
Hydrotest Pressure:	133.30 barg (1934.00 psig).
Design Capacity:	119.00 MMscf/d (3.37×10^6 m ³ /d)
Owners of leases through which line will pass:	BHP Billiton, State
Estimated Cost:	TT \$635.00 Million.

C. ENILL

Minister of Energy and Energy Industries

300—Continued

"A"



MINISTRY OF ENERGY AND ENERGY INDUSTRIES		
GENERAL ARRANGEMENT SHOWING OFFSHORE PIPELINE		
APPLICATION FOR PROPOSED 304.8mm (12") TOBAGO OFFSHORE PIPELINE LICENCE BY THE NATIONAL GAS COMPANY FROM BHPB'S PROPOSED GAS EXPORT PLATFORM IN BLOCK 2(C) TO THE SHORE APPROACH AT COLUMBUS POINT, SOUTH WESTERN TOBAGO		
Date: December 2009	As Shown	Prepared By: M.E.E.I.