EXHIBIT A  The Transportation System
A-1 Overview

Note:
- Hydrocarbon liquid:
- Hydrocarbon gas (LP):
- Hydrocarbon gas (HP):
- Water liquid:
- Battery limit:
- Metering (Fiscal)
- Sampling (Fiscal)
- Metering & Sampling (Fiscal)

Gorm "E" Platform
20" Pipeline
Nybro Gas Treatment Plant
FILSØ BOOSTER STATION
The Terminal and The Stabilisation Plant
16 BLOCK VALVE INSTALLATIONS
JETTY 1 + 2

Hydrocarbon liquid:
Hydrocarbon gas (LP):
Hydrocarbon gas (HP):
Water liquid:
Battery limit:
Metering (Fiscal)
Sampling (Fiscal)
Metering & Sampling (Fiscal)
EXHIBIT A  The Transportation System
A-2 GORM "E" Platform

Notes:
1. Main allocation Meters.
2. Common Master- and Spare Meter for both streams.
3. The Tyra by-pass of Gorm "E" platform is not in use and is permanently closed.
4. Automatic sampling done via fast loop.
EXHIBIT A The Transportation System
A-3 GORM E Fast Loop Setup (each stream + Spare)
EXHIBIT A  The Transportation System
A-4 Filsø Booster Station
EXHIBIT A  The Transportation System
A-5 Condensate injection line

Notes:
1. Delivery Point from Nybro Gas Treatment Plant.
2. Condensate injection Line is decommissioned and filled with N2.
3. Pumps and Meter Runs are decommissioned but stored at Nybro Gas Treatment Plant.
EXHIBIT A  The Transportation System
A-6 Line Valve Stations (except Heltoft)
EXHIBIT A  The Transportation System
A-7 Line Valve Station Heltoft

CONDENSATE FROM Nybo Gas Treatment Plant
Note:
All water from separators and columns return to degassers (not shown).
EXHIBIT A  The Transportation System
A-9 Terminal and Stabilisation Plant

The Pipeline

The Stabilisation Plant

Note: All water from separators and columns return to degassers (not shown).

Note: ESD stands for Emergency Shutdown Device.
EXHIBIT A  The Transportation System
A-10 Degassing Facilities

Notes:
1. Battery limit
2. E = Heat Exchanger
3. V = Vessel

From LDS metering

Degassing Facility 1

Degassing Facility 2

The Pipeline

The Stabilisation Plant

Crude Oil to storage

Sour water to treatment

Sour water return from Stabilisation Plant

Off Gas to Stabilisation Plant

P-9615A
P-9616A
P-9615B
P-9616B

E-9606A

E-9606B

E-9605/C

E-9605/E/G

E-9605/B/D

E-9605/F/H

DEGASSER V-9601

DEGASSER V-9604B

HTF Supply/return

HTF Supply/return

Sour water return from Stabilisation Plant

99FT136B

99FT136A

M

NC

NC

M

96

FT

072
EXHIBIT A  The Transportation System
A-11 The Stabilisation Plant (Flare)

FROM HP STEAM DISTRIBUTION (IMPORT FROM REFINERY)

FROM KO-DRUM

FROM KO-DRUM

Fuel Gas FROM SHELL REFINERY

FLARE GAS RELEASE

PURGE GAS

97FT052

97FT050A

97FT050B

PILOT GAS

97FT090

Note:
1. 97FT050A High Range
2. 97FT050B Low Range
The Stabilisation Plant

FROM LPG Butane STORAGE

FROM LPG Propane STORAGE

Shell Refinery

Propane/Butane Refinery import/export

Used by Shell only

SHIPS MANIFOLD

JETTY 1

JETTY 2

Notes:
1. Redelivery Point(s)
2. Battery limit(s)
EXHIBIT A  The Transportation System
A-13 GORM "E" Platform Riser

THE PIPELINE
PLOT OF GORM "E" Platform
20" RISER BOTTOM RUN

DATE: OCT. 1999