

Giant Heidrun built entirely of concrete

The world's first concrete Tension Leg Platform is due to start oil production this month. Located 112km south of the Arctic Circle, the \$3.5 billion, 220,000 tonne Heidrun TLP is expected to peak at 200,000 barrels of oil a day by late 1995, making Norway the world's second largest oil exporter

Heidrun TLP

Tjeldbergodden

Kristiansund
supply base

Gas
pipeline

Oslo

NORWAY

Lifeboat
station

Lifeboat
station

The Heidrun
platform was
constructed at
sea from five
separate modules

Living
quarters

Utility
module

Drillers
module

Wellbay
module

Process
module

Lightweight
aggregate
concrete hull

A TLP is a floating
structure held below
normal buoyancy level
by steel mooring lines
(legs) in tension

399,000 tonne concrete
anchors in seabed

The giant Heidrun field contains
recoverable reserves of 750m
barrels of oil and 46bn cubic
metres of natural gas

Water depth
350 metres

Crude oil transported
to shore by direct tanker
shuttle loading system

Gas pipeline –
operational 1996