## PA104

Business Statistics Office

## Business Monitor

## 1974 \& 75

# Report on the <br> Censuses of Production 

## Petroleum and natural gas

## Business Monitor

is an annual series) or $O$ (quarterly) or $M$ (monthly)
and then by a number indicating the minimum list
heading, or sub-division of a minimum list heading, of
the Standard Industrial Classification (revised 1968).

The Census of Production (PA) reports are available
he census of Production order (details on application to Her
Majesty's Stationery Office, P.O. Box 569 , London
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## Report on the <br> Censuses of Production 1974 \& 75

Petroleum and natural gas

Presented by the Secretary of State for Industry Parliament in pursuance of the Statistics of Trade Act 194 (10 \& it Geo. 6 Cha .39 sec 7$)$




## Notes

These notes give the main information needed for interpreting
the figures in the industry Business Monitors: more detailed the figures in the industry Business Monitors: more detailed
 nsuses of Production, 1974 and 1975.
general information
Changes made for 1974 and 1975
The Censuses for 1974 and 1975 are in line with similar
inquiries being conducted in other member countries of the European Economic Communities. From 1974, the Census has been extended to include the construction industry. For 1974 ,
estabisments with 300 or more employees were asked to establishments with 30 or more employees were asked to
provide additional information relating to industrial and nonprovistrial services. These include amounts paid
to other organisations for repairs and maintenance to
buildings (including those in respect of rented build road goods vehicles, plant, machinery and other capital equipment
for opstage
to
to otharer organisations, for transsport by road, rail or other means (excluding postal services)
a separate
also asked to provide a breakdown of the figures also asked to provide a breakdown of the figures of total
purchases (other than purchases of goods for merchanting or purchases (other than purchases of goods
factoring). See paragraph on "Purchases"
Suppression of information relating to individual undertakings The Statistics of Trade Act 1947 provides that-"No individual estimates or returns, and no information relating to an individua
undertaking, obtained under the foregoing provisions of this Act, shall, without the previous consent in writing of the person caltrying on the undertaking which is the subject of th
estimates, returns or information, be disclosed except--
(a) in accordance with directions given by the Minister
 estimates, returns or information to a goverrment department
or to the Import Duties Advisory Committee for the purposes of or the the mport Duties Advisory Committee for the purposes of
the exercise by that department or committee of any of their
thationsion functions; or
(b) for the purposes of any proceedings for an offence under If a figure involved disclosure the contribut
sometimes asked to give permission for its publication in was majority of cases this permission was given but when it was refused and in cases where the contributors were not appro-
ached the figure has been suppressed sometimes by ached the tigure has been suppressed, sometimes by combining
it in some way with other figures, but sometimes-as in the It in some way with other rigures, but sometim.
regional tables by omitting the figure altogether.
Symbols used
The following symbols are used throughout the PA series of
Business Monitors:
. not available
$\therefore$ not available
$\because$ not available
*
nil
figures ess than half the final digit shown
fint be shown owing to the risk of disclosing - information about individual enterprises
Rounding of figures
Figures in the tables have, where necessary, been rounded to
the nearest final digit. Where figures have been so rounded, the the nearest final digit. Where figures have been so rounded, the
sum of the constituent items may not always agree exactly
with the total shown. Industri) sorsificto
The United Kingditom
Was firstris Ksungdom in 1948 and was susubreaial Classification (SIC)
 the official statistics of the United Kingdom. The general
principles followed are those of the International Standard
Industin Industrial Classification of all Economic Actionities of the
United Nations Statistical Office but the United Kingdom SIC United Nations Statistical Office but the United Kingdom SIC
reflects the organistion and structure of industry and rrade
as it exists in the United King as it exists in the Unisation and sitructure of ingustry ind rade
by active is is a classification
and by activity and is not a commodity classification. However, an
indox of all commodity headings for which sales data are
providedo provided in tommeoarity headings for which sales data are
PO 1000 in the Business Montions Monitor Series.

Statistical units
The statistical
The statititical unit for the purpose of the Censuses is the
establishment which is defined in the SIC which can provide the information normally required for an conomic census, for example, employment, expenses, turnover
capital formation. Usually the principal activities carried on in an establishment fall within a single heading of the classifica-
ion (e.g, steel making or sugar refining). Typicallythe establish iion (e.g.s.steel making or sugar refining). Typically the establish
ment embraces all the activities carried on at a single address e.g. a farm, a mine, or a factoro, includung thos.
ancillary to which are
the principal activities. Frequently distinct ancillary to the principal activities. Frequently distinc
activities characteristic of different industries are carried on at one address, but normally these are not classified separately
and the whole establishment is classified sccording to th and the whole establishment is classified according to the
main activity If, however, the required range of data can be marovided for each activity each is take to constitute a
pseparate estababshment Sometimes activities which and eparate establishment. Sometimes activities which ar
conducted as a single business are carried on at anmer of addresses. Where this is so, businesses are asked to provide the ull range of separate information in respect of each address,
whether or not the activities are different. Their activities may. owever, be integrated to such an extent that they constitute ingle establishment. In that case the establishment is defined cover the combined activities at these addresses (termed
cal units). Separate figures are obtained, however, of Efforts are made by the Business Statistics Office to ensure, by egotiating with respondents, that the return from an establishment does not cover local units or addresses in more than urther information about the statistical unit appeared in an ticle "The statistical Sstablishments are asked to exclude from their returns tion e.g. merchanting, transport, warehousing, for which the keep a separate set of accounts. Transfers of goods produced o such departments are treated as sales and respondents ar
asked to value them as far as possible as if sold to an inde endent purchaser. Where separate acoounts are not kept they Particulars relating to head offices, which were mainly engaged in the administration of the production units maithin he scope of the censuses were included. Where more than one
return was made the information in respect of the head office was apportioned among them.
For certain purposes in the annual censuses of production
(especially the enterprise analyses of Business Monitor PA especialy the enterpise analyses of Business Monitor PA
O20) related establishments are combined. For these surposes an enterprise group is defined as a business consisting
of either a single establishment, or of two or more establishments under common ownership or control. The bringing necessary for the purpose of ensuring that there will be no disclosure of the activities of any one enterprise group inormation about the relationship of establishments, the
changing structure of groups of companies and about common ownership links is obtained fram many sources
omet cluding the Stock Exchange Year Book, company reports, prens re.

THEREGITER
he register permits a questionnaire to be sent direct to the eporting estabishment on which the latter can include
formation relating to all the manufacturing (or local) units information relating
which it comprises.
ior information for keeping the register continuously up-to-date and act as a
check on its detail and structure. For the establishments on the egister which make returns to the quarterly incuriries, the sales of commoditities and is reved fwed annually. Employmen ata is entered on the register from returns to the annua not make a return to these inquiries the employment data is based on information provided by the Department of Employ
nent from the annual censuses of employment ment from the annual censuses of employmen
Establishments with 20 or more employees are censuses each year and the information they supply to to the
census is supplemented by the returns that those of them with

25 or more employees provide to the quarterly inquiries. Information about establishments nith less thian 20 employees
in most industries is less securely based, but increasing use has in most industries sis ess securely based, but intishents supplied by been made of ent of Employment. One benefit ou ousing this
the Department
information is an improvement in the estimates of the number information is an improvement in the estimates of the number
of manler establishments and enterpises, but there is ititle
effect on other aggregates (e.g. employment, output, net effect on other aggr
capital expenditure).

Coverage
A return
A return was required in the 1974 and 1975 Censuses from each establishment with 20 or more employes. Each establish-
ment is classified to an industry, as defined in the SIC, whose principa
sales.
TERMS USED IN THE CENSUS REPORT
Average number employed
Establishments were required to state the number of persons on the payroll on average during the year of return, whether
full-time or part-time employees. Separate figures were required for:
(a) administrative, technical and clerical employees (a) administrative, technicaland clerica Averages could be colleulated fram them figures relating to the
last week of each calendar month. The figures include persons last week of each calendar month. The figures include persons
engaged on merchanting or factoring and canteen workers engaged on merchanting or factoring and canteen workers
where eparticulars in respect of these activities could not be
excluded from the return.

Employees
Administrative, technical and clerical employees include
directors in receipt of a definite wage, salary or commission,
 design employees (other than operatives); draughtsmen,
editorial staff, advertising staff, travellers and all office employees.
Operatives employees.
Operatives include all other classes of employees, that is,
broadly speaking, all manual wage earners. They include broadly speaking, all manual wage earners. They include
opearatives employed in power stations, transport (including,
roundsmen) warehuses stores shos roundsmen), warehouses, stores, shops and canteens,
inspectors, maintenance workers and cleaners. Operatives inspectors, maintenance workers and cleaners. Operatives
engaged in outside work of erecting, fitting etc. are also
included.

Capital expenditure
Capital expendititre during the year in respect of manufacturing
units where production had not started before the end of the yitis where production had not started before the end of the
year is includded in the figures for trore to 1975 . Establishm ents
were asked not to deduct from the value of capital expenditure were asked not tod deduct from the value of capital expenditure
amounts received or expected to be received in grants or
allowances from the er amounts received or expected to be received in grants or
allowances from the Goverment or any statuor body or
local authority. From 1973, establishments with 100 or more local authority. From 1973, establishments with 100 or more
employees were asked to include a total net capita expenditure employees were asked to
figure for each calendar year.
(a) New building work
This reppesents the cont incurred during the year of new
building and other constructional work to be used in conbuilding and other constructional work to be used in con-
nection with the business covered by the return. The value is that charged to capital account during the year of return; it
includes expenditure on new buildings and on the extension includes expendititure on new buildings and on te extension
or reconstruction of old buildings, the value of works of a
capital nature carried out by the establishments capital nature carried out by the establishment's own staff
and the cost of any newly constructed buildings purchased. and the cost of any newly constructed buildings purchased.
Figures shown include any legal charges, stamp duties, agents' commissions, etc.
(b) Land and existing buildings
The items shown are the capital cost of freeholds purchased and the capital cost or premium payable for leaseholds
accquired (excluding the value of any assets acquired in taking over an existing business), and the amounts receivable for any
freholds on teasholds disosed of The value is that charged freeholds or leaseholds disposed of. The value is that charged
to capita account during the year of return.
(c) Plant, machinery and vehicles vehicles accouired, both new and second-hand, and the anount
plant and machinery acquired incluases plant, etc., which firms
produced for their own use in connection with the business produced for their own Use in connection with the business
covered by the reurr. The value of plant, etc., acquired is the
expend
 transport and instountrition Decelived, tuitibe value added tat is
excluded but non-deductible value added tax on motor cars excluded but non-deductible value added tax on motor cars
acquired is included. No deduction is made for depreciation,
amortization or obsolescence. The proceeds of items disposed amorization or obsolescence. The proceeds of items disposed
of during the year exclude amounts written-off for items
scrapped.

Cost of industrial services
Inclucdes amounts payabse to other firms for work done on
materials supplied by the establishment, payments for repairs and maintenance (including those in respect of rented buildings) and amounts paid to other firms for contracts
which have been sublet.
Cost of non-industrial services
Cocludes rent of industrial buildings and capital equipment,
commercial insurance premiums, , bank charges and amounts
paid for professional senvices, ostal etc paid for oporessional services. postal etc. services. transmont,
advertising etc. Amounts payable on royalties for the right to use patents, trademarks, copyrights etc." manufacturing,
mining and quarrying rights and technical "know-how" are
also included. Gross output
Gross output
In the calculation of gross output the value of total sales and work done is increased by the rise (or reduced by the fall)
during the year in the value of work in progress and goods on during the e eear
hand for sale.
Net output
Net output, a customary census measure, is calculated by
deducting from gross output the cost of purchases (reduced deducting from gross output the eost of purchases (reduced
byther erise. orincreased by the all, during the year of stocks of
materials etc.) and the cost of industrial services received, and matere applicalie, duties etc.
wher
Net output per head
The figures of net output per head are derived by dividing the
net output by the average number of persons employed (full net output by the average number of persons employed (full
and part-time) on all activities covered by the returns, inclucing and par-time) on all activities covered by the returns, including
operatives, administrative, technical and clerical employees. Gross value added at factor cost
Gross value added at factor cost Gross value added at factor cost
Gross value added at factor cost is calculated by deducting
from net output the cost of non-industrial services (e.g. rent of rom
buildings and capital equipment, commercial instianance
prenige premius, bank caparges ando anounts paid for profosessinal
services, post office services, transport and advertising), rates services, post office services, transport and advertising), rates
(excluding water rates) and the cost of licensing motor
(vehiclest vexcluding water rates) and the cost of licensing mores
vehices. This estimate of gross value added appoaches more
closely than census net output to the definition of net output or closely than census net output to the edetiniti
value added in national accounts statistics.
Gross value added at factor cost per head
The figures of gross value added at factor cost per head are
derived by dividing the gross value added by denver of persons employed (full and part-time) an all activities covered by the returns, including
administrative, technical and clerical employees.
Purchases
Purchases in
Purchases
Purchases include the cost of raw materials, components,
semi-manufactured goods and workshop materials semi-manufactured goods and workshop materials;
replacement parts and consumable tools not charged to replacement parts and consumable toois not charged
capital account, of packaging materias of all types;
stationery and printed matter: of fuel, electricity and water stationery and printed matter; of fuel, electricity and water;
of materials to be used by the establishment org given out to other establishments for the production of machinery or othe
capital items for the estalishment's own use of materials for capital items for the establishment's own use; of materials for
use by the establishment when working on goods supplied by use by the estabishment when working on goors supplied by
customers; and of food, etc. for any canteen covered by the establishment's returr. Transifers of goods to the establishment
from another department of the same firm not covered by the from another department of the syame firm not covered by
establishment's return are included at a cost corresponding to
to estabishent selling value recorded by the other department's
the estimated
Amounts payable to transport firms or credited to the firm's
own transporr ael anrehases of machinery and plant charged excluded, as account. Purchases of goods for merchanting or
to capital and
taver been collected separately since 1973. The oc capital account. peen collected separately since 1973 . The values shown exclude VAT. They include, in addition to the
actual purchase price, The value of packaging material charged ctual purchase pice, he value ot returned goods or packaging material returned to suppliers and any trade discounts are
excluded. Materials purchased duty-paid are included at their euty-paid value, less any drawack, rebate, etc. The cost of ransport is in inluded only it it is included with the e purchase
price in the efirms accounts. Imported goods are included at
phei full delivered cost If is the fiem's accounts the trans price in lyelivers cost. If in the firm's accounts the transport
their full del
from docks or airport is not included in the cost of goods from docks or airport is not included in the cost of gool
purchased, the cost is entered at c.if. plus duty (if applicable).
Leasing, renting and hire purchase charges are excluded.
Leasing, renting and hire purchase charges are excluded.
Seles of of go
rendered
Sales for the
ales for the purposes of the annual censuses means deliveries
n sale of minerals raised and/or goods made by establishnents in Great Britain and the Unitiod Kingdom Continental Shelf covered by the return. SLases of goods made for these
estatilishments by other establishments from materials given
 Any new building work and machinery or other capital items
produced by estabishments for hiring out or leasing are
regarded as as sales, the value included in the return being that regarded as sales, the value included in the return being that
adopted in the establishments capital asseat accounts. Forward
sales and canteen takings are excluded. All sales in the period adopted in the establishment's capita asset accounts. Forward
sales and canteen taking are excludde. All sales in the period
of the inguiry are included iresespective of when the goods were of the inquiry are included irrespective of when the goods were
manucactured. GGoods spoduced in one establishment and manufactured. Goods produced in one estabishment and
transfreded either to ancillary departments not engaged in production and for which there are separate accounts, or to
another establishment of the same firm not covered by the another establishment of the same firm not covered by the
return, are teated as sales by the eroducing establishment and
valued as far as possible as if ther had been sold to and indevalued as far as possible as if they had been sold to an inde-
pendent purchaser. Goods transferred to wholesale or retail pendent purchaser. Goods transferred to wholesale or retail
selling organisations, tor which separate accounts are kept are
valued on the same basis. valued on the same basis.
 whether on an ex-works or deliedered basis, atter antomertade
discounts and agents' commissions have been deducted The discounts and agents' commissions have been deducted. The
cost of packing materials less allowance for returnable cases is Figures for w carries out ork done represent the amount charged for work
the supplied by a customer and include the value of any materials bought and used in such work.
Activities within this heading include repair and jobbing work, ereection and installation of platht and machind iory, exploration
work, and research and development. Work, and research and development.
Industrial services rendered includes re
Industrial services rendered includes repairs and maintenance,
installation work, and technical research and studies rendered
to other organis isations.

Capisal goods produced for estabishments own use
This includes all work carried out during the year
This includes all work carried out during the year by the
establishments own staff for their own use, which was of
capital establishments
capital nature.
Non-industrial services rendered
Includes rents recived fir
Includes rents received for commercial and industrial buildings,
amounts charged for hiring out plant machinery and inthe amounts charged for hiring out plant, machinery and other
goods and amounts charged to other organisations for the provision of transport. Also includes amounts
right to ece use pated for torts the


Goods merchanted or factored
Merchanted dooods are thosed excluding canteen sales) sold
without having been subjected to any manutacturing process with out having
by the seller.
Stocks and work in progress
Stocks and work in progress
Values are given of stocks of goods on hand for sale at the
end of the year of return and oot the change end of the year of return and oot the change furing the year
including any stocks of goods held for merchanting o including any stocks of goods held for merchanting or
factoring. Work in progress is defined as materials which have
beeer been partially poocessed by the establishment but which a ale
not usually sold or transferred to another establishmen not usually sold or transferred to another establishment
withour further processing. The values include the cost o
materials consumed and materials consumed and labour used, together with a margin o
overhead costs and profits. Progress payments made to sub overhead costs and profits. Progress payments made to sub-
contractors are excluded and progsess payments received from
other organisations are not deducted.

## Wages and salaries These are amounts

These are amounts paid during the year to operatives and to
administrative, technical and clerical employees. Payments to working proprietors, whether called salariess. or or not, are
worts xcluded. ne valus shown include all overtime payments
bonuses and commissions, whether paid regularly or not, and no deduction is made for income tux. insurances, contributory
nensions etc. The value of red pensions etc. The value of redundancy payments less any amounts reimbursed from Government sources is included
The value of any payments in kind, travelling expenses etc. is
excluded.

Employers' insurance and welfare contributions
This item includes employers' contributions his item incluces employers contributions to nationa
nsurance and graduated pensions (and/or earnings reated nsurance and graduated pensions (and/or earnings related
basic contributions under the Social Security Act, 1973 ) as
well as commercial insurance premiums to provide well as commercial insurance premiums to provide pensions,
superannuation or other retirement benefits, sickness benefits,
 employees of former employees or their dependents. Contri-
butions to the running costs of canteens, social centres, children's holiday homes. etc. for employess, former employees
nid their dependants are also included.

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