## 6 Petroleum and natural gas, salt and miscellaneous non-metalliferous mining and quarrying

This Report on the Petroleum and Natural Gas and Salt and Miscellaneous Nonmetalliferous Mining and Quarrying Industry relates to establishments engaged wholly or mainly in extracting and refining salt (at mine or pit) and salt processing and packing; mining or quarrying alum, barytes, graphite, gypsum and fluorspar etc; exploration (including boring) for and extracting petroleum on land and off-shore (including drilling contractors with offices in the UK); mining oil shale (including oil shale retorting). Petroleum includes natural gas and natural gas condensates. Producers' off-shore pipe lines are included but land pipe line terminals owned by associated companies or the Gas Council are excluded.

This industry corresponds to minimum list headings 104, 109(3) and 109(4) in the Standard Industrial Classification (Revised 1968) which has been used for the first time as a basis of classification in the 1968 Census. The definition of this industry however is unchanged from the last detailed Census of Production for 1963 in which it was reported (Part 6) except that there was only a small amount of petroleum and natural gas included in the 1963 Report on this industry.

Pits and quarries operated by establishments in the Miscellaneous Building Materials and Mineral Products Industry are not included in this Report unless they had their own separate set of accounts.

Mining and quarrying industries were excluded from the censuses for 1963 and 1968 taken in Northern Ireland and this Report relates, therefore, only to Great Britain in respect of land operations. For off-shore operations this Report relates to the United Kingdom part of the continental shelf.

In interpreting the data in the tables it is essential to bear in mind the notes and definitions which appear on pages (i) to (iv).

ABLE 1 Industry summary, 1963 and 1968 Great Britain (a) (b) (c)

$\qquad$


SECTION I - Estimates for all 1 establishments in the industry Industry summary, 1963 and 1968
2 Analysis by size of establishment within the industry, 1968 6/4
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6 Sales of principal products of the industry by larger establishment
classified to other industries, 1963 and 1968
Sales of other than principal products by larger establishments in the Sales of other than prin
industry, 1963 and 1968
8 Production of certain principal products of the industry by 1 arger

## establishments, 1963 and 1968

Purchases by larger establishments of selected principal products of the industry, 1968

10 Purchases by larger establishments in the industry, 1963 and 1968
11 Transport costs and employment of larger establishments, 1963 and 1968
12 Payments for certain services, etc by larger establishments, 1963 and 1968 6/11
13 Percentage analysis of twelve-month periods covered by returns from larger

Footnotes cont inued from page 6/3.
(d) Sales of products are valued at ex-mine or ex-works prices, the cost of transport being shown separately, but, for 1968 , sales in the Petroleum and Natural Gas sector of this
(e) Including services rendered to other organisations (amounts charged for hiring out plan machinery or other goods, for providing transport, or for technical or other services machinery
rendered).
(f) Administrative, technical and clerical employees
(g) Excluding expenditure for establishments not yet in production
(h) Acquisitions less disposal s.
(b) For fourth paragraph of the introduction to this report.
from which estimates for establishments not making satisfactory returns and for small establishments, they were only employment data were collected, accounted for 9 per cent. of the total figures in which small establishments from which only employment returns accounted for less than 1 per cent. For 1963 small establ ishments from which only enployment data were collected accounted for 3 per cent. There
were no unsat isfactory returns.
The following informat ion relates to small establishments (employing fewer than 25 persons) in this industry. For 1968 it includes an estimate for small establ ishments not making sat isfactory returns.

| Number of establishment s | 29 | 47 |
| :--- | :--- | :--- |
| Average number employed: |  |  |

Norking proprietors
Other persons employed
/2.

TABLE 3 Percentage analysis of employees, by age and sex, 1969 (a)
All establishments: Great Britain (b)

| Ages | Mal es | Females | All employees |
| :--- | :---: | :---: | :---: |
| Under 18 <br> 18 <br> And over <br> All ages | Per cent. | Per cent. | Per cent. |
|  | 1 | 1 | 2 |
|  | 87 | 11 | 98 |

Source: Department of Employment
(a) The percentages relate to the numbers employed (excluding working proprietors) in the 'Petroleum and natural gas and other mining and quarrying industries' - minimum 1 ist headings 104 and 109 - at June 1969, the earliest date fo
which the information is available on the basis of the Standard Industrial Classification (Revised 1968).
(b) See fourth paragraph of the introduction to this report.
(ii) Employees, wages and sal aries

All establishments: Great Britain (a)

| Number employed on average during the year by the (b)establ i shment (b) | Employees |  | Wages and sal aries |  | Wages and sal aries per head |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Openatives | Others | Operatives | 0thers (e) | $\begin{aligned} & \text { Oper- } \\ & \text { atives } \end{aligned}$ | 0 thers <br> (e) |
|  | Number | Number | £’000 | £'000 | £ | £ |
| 1-5 |  | .. | . | . | .. | . |
| 6-10 | - | .. | .. | .. | . | . |
| 11-24 | . | .. | .. | - | . | .. |
| 25-99 | 713 | 147 | 922 | 168 | 1,293 | 1,145 |
| 100-199 | 712 | 181 | 799 | 185 | 1,122 | 1,024 |
| 200 and over | 1,334 | 557 | 1,705 | 1,173 | 1,278 | 2,106 |
| Unsatisfactory returns | .. | . | . | .. | . | .. |
| Total | 3,013(d) | 948(d) | 3,727(d) | 1,619(d) | 1,237(d) | 1,708(d) |

(a) See fourth paragraph of the introduction to this report.
(b) Incl uding working proprietors.
(c) The sum of the figures for the size groups exceeds the total for the industry to the extent
size group.
(d) Including estimates for establi shments employing fewer than 25 persons and fo
(e) Adicher employees.

Foot notes to Table 4.
(a) See fourth paragraph of the introduction to this report
(b) Some establishments employing fewer than 25 persons were included in returns for larger establishments. These and 7 in 196
c) The method of classifying returns to sub-divisions of the industry is explained in the notes; the characteristic
products: of each sub-division are identified in Table 5.
(d) Sales of products are valued at ex-mine or ex-works prices, the cost of transport being shown separately, but
for 1968 , sales in the Petroleum and Natural Gas sector for 1968, sales in the Petroleum and Natural Gas secto of thi
basis.
(e) Including services rendered to other organisations (amounts charged for hiring out plant, machinery or other goods, for providing transport, or for technical or other services rendered)
f) Characterist ic products relate only to sub-divisions of the industry.
(g) For sub-divisions of the industry, this is the ratio of sales of characteristic products to tot al sales of goods produced and work done. For the industry as a whole, this is the ratio of total sales of principal products by
the industry to total sales of goods produced and work done.
(h) Administrative, technical and clerical employees. i) Excluding expenditure for establishments not yet in production.
(j) Acquisitions less disposals

TABLE 4 Analysis of larger establishments, 1963 and 1968 Establishments employing 25 or more persons: Analysis of returns received, Great Britain (a)(b)

|  |  | Sub-division industry | $\begin{aligned} & \text { ns of the } \\ & y(\text { ( }) \end{aligned}$ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Unit | Salt and <br> miscell aneous <br> non-metal- <br> liferous <br> mining and <br> quarrying <br> 30,40 | Petroleum <br> and <br> natural <br> gas5050 | Tota |  |
|  |  | 1968 | 1968 | 1963 | 1968 |
| Number of enterprises | No. | 12 | 6 | 18 | 18 |
| Number of establishments |  | 20 | 7 | 42 | 27 |
| Gross output | £'000 | 22,611 | 16,984 | 25,943 | 39,595 |
| Net output |  | 12,711 | 13,605 | 16,768 | 26,315 |
| Net output per head | £ | 4,262 | 19,978 | 2,789 | 7,184 |
| (goods produced and work done (d) (e) | £'000 | 16,966 | 16,213 | 22,004 | 33,179 |
| Sales and work done $\left\{\begin{array}{l}\text { merchanted goods and canteen takings }\end{array}\right.$ | " | 1,327 | - | 725 | 1,327 |
| Sales of characteristic products |  | 16,593 | 16,209 | (f) | (f) |
| Index of specialisation (g) | $\underset{\text { Per }}{\text { cent. }}$ | 98 | 100 | 82 | 99 |
| $\int \begin{aligned} & \text { materials for use in production and } \\ & \text { packaging, and fuel } \end{aligned}$ | £'000 | \} 4,929 | 3,032 | 6,254 | 6,703 |
| Purchases $\quad\left\{\begin{array}{l}\text { poods for merchanting and canteen } \\ \text { gourchases }\end{array}\right.$ | " | $\}^{4,929}$ | 3,082 | 647 | 1,258 |
| $\text { Payments to other }\left\{\begin{array}{l} \text { for work done on materials given out } \\ \text { for transport } \\ \text { inwards on materials and } \\ \text { fuel purchased } \end{array}\right.$ | " |  | * 2 | 14 | 21 43 |
| organisations $\quad\left\{\begin{array}{l}\text { outwards on goods sold (d) } \\ \text { by road } \\ \text { by rail or other means excluding } \\ \text { postal services }\end{array}\right.$ |  |  |  | \} 2,523 | 5,122 |
| Value of outwards transport carried out by establishments' own employees on goods sold, by road, by rail, including that over private railway lines |  | 278 | - | 618 | 278 |
| Stocks |  |  | - | + 72 | - 310 |
| $\begin{aligned} & \text { Goods on hand } \\ & \text { for sale } \end{aligned}\left\{\begin{array}{l} \text { change during year } \\ \text { at end of year } \end{array}\right.$ |  | $\begin{array}{r}-\quad 310 \\ \hline 343\end{array}$ | - | + 565 | - 343 |
| Materials, change during year | " | * | * | + 267 | - 132 |
|  |  | 833 | 1,338 | 1,570 | 2,171 |
| total including working proprietors | No. | 2,982 | 681 | 6,012 | 3,663 |
| Number employed on average | " | 2,386 | 377 | 4,377 | 2,763 |
| during the year $\quad\left\{\begin{array}{l}\text { deper employees (h) } \\ \text { other }\end{array}\right.$ |  | 593 | 293 | 1,633 | 886 |
|  | £'000 | 2,850 | 579 | 3,419 | 3,429 |
| Wages and salaries $\quad\left\{\begin{array}{l}\text { of operat employes (h) } \\ \text { of other emploter }\end{array}\right.$ |  | 881 | 64 | 1,708 | 1,527 |
|  | £ | 1,194 | 1,535 | 781 | 1,241 |
| Mages and salar ies per head $\quad\left\{\begin{array}{l}\text { operatives } \\ \text { other employees (h) }\end{array}\right.$ | " | 1,485 | 2,206 | 1,046 | 1,724 |
| Capital expenditure (i) |  |  |  |  |  |
| New building work | £'000 | 0 | * | 538 | 147 |
| Land and existing $\quad\left\{\begin{array}{l}\text { acquisitions }\end{array}\right.$ |  | * | * | $\left.\begin{array}{r}36 \\ 107\end{array}\right\}$ | 1 |
| buildings $\quad$ disposals |  |  |  | $\{1,533$ | 13,086 |
| Plant and machinery $\quad\left\{\begin{array}{l}\text { acquisitions } \\ \text { disposals }\end{array}\right.$ | " | \} $695(\mathrm{j})$ | 12,364(j) | $\left\{\begin{array}{l}12 \\ 42\end{array}\right.$ | 27 |
| aaquisitions | " | \} $51(\mathrm{j})$ | 6(j) | $\{124$ | 79 |
| Vehicles $\quad\left\{\begin{array}{l}\text { aisposals } \\ \text { dispor }\end{array}\right.$ |  |  |  |  | 22 |

TABLE 5 Sales of principal products of the industry by larger establishments, including sales by establishments classified to other industries, 1963 and 1968
Establishments employing 25 or more persons:
Analysis of returns received, Great Britain (a


[^0]TABLE 6 Sales of principal products of the industry by larger establishments classified to other industries, 1963 and 1968
Establishments employing 25 or more persons:
Analysis of returns received, Great Britain (a)

|  | 1963 |  | 1968 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3-20un | Quantity | Value | Quant ity <br> (b) | $\begin{aligned} & \text { Value } \\ & \text { (b) } \end{aligned}$ | Entries | Principal industries in which produced (c) |
|  | Th.tons | £'000 | Th.tons | £'000 | Number |  |
| Products of salt mines, brine pits and salt works |  | 855 (d) | 125 | 2,922 | * | 18 |
| Gypsum, not calcined, and anhydrite | 276 | 414 | 961 | 1,222 | 9 | 130 |
| Total |  | 1,269 |  | 4,144 | .. |  |

(a) See fourth paragraph of the introduction to this report
(b) Sales of products by larger establishments classif ied to Mining and Quarrying Industries are valued at ex-mine or ex-works prices, but sales larger esta isints lassified to other industries are shown as net selling value. For 1968, sales by larger establi ments in the $P$ P
selling value.
(c) The references given are to the list of industries at the front of this report.
(d) For 1963, included an amount for other minerals (excluding stone, slate, clay, sand gravel and chalk).

## Foot notes to Table 5.

(a) See fourth paragraph of the introduction to this report.
(b) The number given is that of the sub-division of which the item is a characterist ic product. he sales shown are total sales
(c) Sales of products by larger establishments classified to Mining and Quarrying Industries are valued at ex-mine or ex-works prices but sales by larger establishments classified to ot her industries are shown as net selling ar For 1968 , sales by larger establishments in the industries are shown as net seling vis.
(d) Revised figure
(e) So far as recorded separately.
(f) This figure represents the total number of returns made for larger establishments in this of combined returns covering more than one establishment

TABLE 7 Sales of other than principal products by larger establishments in the
industry, 1963 and 1968
Establishments employing 25 or more persons:
Analysis of returns received, Great Britain

|  | 1963 | 1968 |
| :--- | :---: | :---: |
|  | Value | Value |
| Goods other than principal products and services rendered to other <br> organisations (b) | $£^{\prime} 000$ | $£^{\prime} 000$ |
| Total value of goods sold without having been sub jected to any <br> manufacturing process (merchanted or factored) and canteen takings | 3,890 | 251 |
| Total |  |  |

(a) See fourth paragraph of the introduction to this report,
(b) Services rendered to other organisations comprises amounts charged for hiring out plant, machinery
or other goods, for providing transport, or for technical or other services rendered to other organisations.

TABLE 8 Production of certain principal products of the industry by large Production of certain principa
establishments, 1963 and 1968

Establishments employing 25 or more persons:
Analysis of returns received, Great Britain (a)

|  | 1963 |  | 1968 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Quantity returned industry | $\begin{array}{\|c\|} \hline \text { Quantity } \\ \text { returned } \\ \text { in rall } \\ \text { industries } \end{array}$ | Returned in this industry |  |  | Returned inall industries |  |  |
|  |  |  | Quantity | $\begin{aligned} & \text { Enter- } \\ & \text { prises } \end{aligned}$ | Entries | Quant ity | Enterprises | Entries |
|  | Th.tons | Th.tons | Th.tons | Number | Number | Th.tons | Number | Number |
| Gypsum, not calcined, and anhydrite | 2,193 | 2,880 | 1,209 | * | * | 2,920 | * | 10 |

[^1]TABLE 9 Purchases by larger establishments of selected principal products of the industry, 1968

This table is not applicable to this industry

## 6/10 PETROLEUM AND NATURAL GAS, SALT AND MISCELLANEOUS NON-METALLIFEROUS MINING AND QUARRYING NON-METALLIFEROUS MINING AND QUARRYING

TABLE 10 Purchases by larger establishments in the industry, 1963 and 1968 Establishments employing 25 or more persons: Analysis of returns received, Great Britain (a)

(a) See fourth paragraph of the introduction to this report.
(b) Not recorded separately for 1963
(c) The total quantity of electricity generated in establishments employing 25 or more persons in this industry was $46,134 \mathrm{Th} . \mathrm{kWh}$ in 1968 and $23,803 \mathrm{Th} . \mathrm{kWh}$ in 1963.
(d) For 1968, may include a small amount of fuels not covered by specif ic headings

TABLE 11 Transport costs and employment of larger establishments, 1963 and 1968 Establishments employing 25 or more persons: Analysis of returns received
Great Britain (a)

|  | Unit | 1963 | 1968 |
| :---: | :---: | :---: | :---: |
| Average number mainly employed on transport | No. | 384 | 97 |
| Transport costs |  |  |  |
| Wages and salaries | $£^{\prime} 000$ | 351 | 171 |
| Derv fuel and motor spirit | " | 122 | 80 |
| Tyres and other spare parts for road goods vehicles | " | . | 42 |
| inward transport on materials and fuel purchased | " | 14 | 43 |
| Payments to other organisations $\left\{\begin{array}{l}\text { outward transport on goods sold } \\ \text { by road } \\ \text { by rail or other means excluding } \\ \text { postal services }\end{array}\right.$ | " | \} 2,523 | 5,122 |
| Value of outwards transport carried out by establishments, own employees on goods sold, by road, by rail, including that over private railway lines | " | 618 | 278 |
| Costs of operating road goods vehicles |  |  |  |
| Insurance | " | 11 | 5 |
| Vehicle licences | " | 24 | 19 |
| Depreciation | " | 86 | 48 |
| Payments to other organisations for repairs and maintenance | " | 90 | 26 |
| Total | " | 3,839(b) | 5,833 |

(a) See fourth paragraph of the introduction to this report.
(b) Excluding tyres and other spare parts for road goods vehicles, not collected
separately for 1963 .

TABLE 12 Payments for certain services, etc by larger establishments 1963 and 1968 (a)
Establishments employing 25 or more persons:
Analysis of returns received, Great Britain (b)

|  | Amounts payable |  |
| :---: | :---: | :---: |
|  | 1963 | 1968 |
| Repairs and maintenance to | £'000 | £'000 |
| Buildings | 28 | 11 |
| Road goods vehicles | 90 | 26 |
| Plant, machinery and other capital equipment | 299 | 228 |
| Insurance, licensing and depreciation of road goods vehicles (c) | 121 | 72 |
| Rates, excluding water rates | 220 | 141 |
| Hire of plant and machinery | 72 | 1,400 |
| Postage, telephone, telegrams, cables and telex (d) | 50 | 87 |
| Total | 882 | 1,965 |

(a) No deduction is made for these payments to arrive at the figures of net
output given in this report.
out put given in this report.
(b) See fourth paragraph of the introduction to this report.
(c) For details see Table 11.
(d) Excluding telex for 1963.

PETROLEUM AND NATURAL GAS, SALT AND MISCELLANEOUS NON-METALLIFEROUS MINING AND QUARRYING

TABLE 13 Percentage analysis of twelve-month periods covered by returns from larger establ ishments, 1968

Establishments employing 25 or more persons
Analys is of returns received, Great Britain (a)

| Year ended | Percentage <br> of ratal returns <br> received | Percentage <br> oftotal number <br> employed <br> 1968Per cent. |
| :--- | :---: | :---: |
| April (b) | 0.0 | Per cent. |
| May . | 0.0 | 0.0 |
| June | 0.0 | 0.0 |
| July | 0.0 | 0.0 |
| August | 0.0 | 0.0 |
| September | 22.7 | 0.0 |
| October | 0.0 | 21.7 |
| November | 4.6 | 0.0 |
| December | 40.9 | 4.5 |
| 1969 | 0.0 | 43.5 |
| January | 0.0 | 0.0 |
| February | 31.8 | 0.0 |
| March | 0.0 | 30.3 |
| April (c.) | 100 | 0.0 |

(a) See fourth paragraph of the introduction to this report.
(b) From 6 April.
(c) To 5 April.


[^0]:    or notes to this table - see page $6 / 8$.

[^1]:    (a) See fourth paragraph of the introduction to this report

