## Crude petroleum and natural gas produciion

## MARCH 1968

The production of crude petroleum and equivalent hydrocarbons during March 1968 amounted to $34,814,085$ barrels, $1,123,035$ barrels/day, an increase of 16,1 per cent or 155,759 barrels per day from March 1967. The production figures for all petroleum liquids for the two years are as Lollows;

|  | March 1967 |  | March 1968 |  |
| :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} \text { millions of } \\ \text { barrels } \end{gathered}$ | barrela <br> per day | $\begin{gathered} \text { millitons of } \\ \text { barrelg } \end{gathered}$ | barrels <br> per day |
| Crude petroleum and condensate | 27.4 | 883,037 | 31.9 | 1,028,269 |
| Pentanes plus | 2.6 | 84,237 | 2.9 | 94,766 |
| Propane and butanes | 2.0 | 64,910 | 2.3 | 73,422 |
| Totala | 32.0 | 1,032,184 | 37.1 | 1,196,457 |

The disposition of crude and equivalent for March 1968 was 20.0 million barreis ( 57.6 per cent) to Canadian refineries and 14.0 million barrels ( 40.2 per cent) was exported. The difference of 2.2 per cent between supply and sales is accounted for by inventory changes, industry own use, etc. Imported crude petroleum for the same period amounted to 15.9 million barrels ( 512,725 barrels/day) bringing domestic requirements for crude petroleum and equivalent hydrocarbons to 35.9 million barrels (1,159,420 barrels/day).

Natural 8 as production increased 20.0 per cent to $182,478,708 \mathrm{Mcf}$. from $152,090,031 \mathrm{Mcf}$, in March 1967. The disposi= :ion of natural gas for March 1968 is as follows; 17.7 million was net deliveries to storage and injection operations; 41.5 aillion was used, lost or unaccounted for in fields and processing plants and 52.5 million was exported: 32.6 million was sold i. ultimate customers in the prairies, 24.9 million in Ontario, 8.2 in British Columbia and 3.7 milion in Quebec. The remaining 1.4 miliion $M c f$. was accounted for by other deliveries, pipeline fuel losses and line pack fluctuations.

Table 1 includes all crude ofl and equivalent hydrocarbon production of condensates and pentanes plus, propane and butane production. Pentanes plus represent the production of crude oll equivalent at processing plants while oil production is production in the fields.

Table 2 Supply and Disposition of Crude oil and Equivalent. Disposition is given to the first stage of marketing, either directly as deliveries to refineries or export. The companion publication "Refined Petroleum Products" gives the disposition of crude oil received by the refinery including the sales of various refined petroleum products. Inventories held by purchases and refinets in field and plpeline are included in Table 2, while inventorles held by refiners in a refinery complex are excluded. Details on the movement of crude oil by pipeline are given in another companion report "0il Pipeline Transport", Catalogue number 55-001.

All volumes of crude oil are given in barrels of Canadian gallons at $60^{\circ} \mathrm{F}$. Details of production are published by the individual provinces.

In Table 3, disposition is given to the ultimate delivery by the gas utilities. Deliveries of natural gas to storage are considered as terminated, and therefore receipts from storage originate in the province where the storage is located. Field flared and waste gas are not consldered as net new production; however, processing plant flared and waste gas are included and constitute a disposition end use.

A companion publication "Gas Utilities", Catalogue number 55-002 provides additional details on the movement and sales of natural gas.

All volumes of natural gas in this report are given in thousand cubic feet measured at $14.73 \mathrm{p} . \mathrm{s} . \mathrm{i} . \mathrm{a}$. at $60^{\circ} \mathrm{F}$.
Sulphur volumes are expressed in short tons measured at 2,000 pounds.

Manufacturing and Primary Industries Division

## *arch 1969 <br> 5.503-515

TABLE 1. Field and Plant Production of Liquid Hydrocarbons by Month, by Province, March 1968



\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|}
\hline \& $$
\begin{gathered}
\text { New } \\
\text { Brunswick }
\end{gathered}
$$ \& Ontario \& Manitoba \& Saskatchewan \& Alberta \& British Columbia \& Northwest Terfitories \& Tots 1 Canadian sources \& Total Foreign sources \& $$
\begin{gathered}
\text { Total } \\
\text { all } \\
\text { sources }
\end{gathered}
$$ <br>
\hline $$
\begin{gathered}
\text { Supply } \\
\frac{\text { Domestic production }}{\text { Crude o11 }} \begin{array}{l}
\text { Less returned co formacion }
\end{array}
\end{gathered}
$$ \& $$
721
$$ \& 108, 84.5 \& 521,652 \& ba ${ }_{\text {7,535, }} \begin{aligned} & \text { b24 } \\ & =\end{aligned}$ \& els of 35 C

$22,651,949$
958,344 \& adian gallo \& s

$$
\begin{array}{r}
85,595 \\
6,105
\end{array}
$$ \& $32,731,117$

964,449 \& $\cdots$ \& $$
\begin{array}{r}
32,731,117 \\
964,449
\end{array}
$$ <br>

\hline Condensate .............

Pentanes plus ......... \& - \& $=$ \& - \& \[
24,028

\] \& \[

$$
\begin{array}{r}
106,026 \\
2,829,850
\end{array}
$$

\] \& \[

$$
\begin{array}{r}
3,632 \\
83,882
\end{array}
$$

\] \& - \& \[

$$
\begin{array}{r}
109,657 \\
2.937,760
\end{array}
$$

\] \& . \& \[

$$
\begin{array}{r}
109,657 \\
2,937,760 \\
\hline
\end{array}
$$
\] <br>

\hline Net withdrawals \& 721 \& 108,845 \& 521,652 \& 7,559,552 \& 24,629,481 \& 1,914,344 \& 79,490 \& 34, 814,085 \& . . \& 34,814,085 <br>
\hline Imports \& ... \& $\ldots$ \& .. \& ... \& ... \& $\ldots$ \& $\ldots$ \& $\cdots$ \& 15,792,503 \& 15,792,503 <br>
\hline Total supply \& 721 \& 108,845 \& 521,652 \& 7,559,552 \& 24,629,481 \& 1,914,344 \& 79,490 \& 34, 814,085 \& 15,792,503 \& 50,606,588 <br>
\hline \multicolumn{11}{|l|}{Pisposition} <br>
\hline \multicolumn{11}{|l|}{} <br>
\hline Quebec . . . . . . . . \& - \& - \& - \& - \& - \& - \& - \& - \& 11,953,355 \& 11,953,355 <br>
\hline Ontario \& - \& 108, 793 \& 225,134 \& 4,027,985 \& 6,059,376 \& - \& - \& 10,421,288 \& - \& 10,421, 288 <br>
\hline Manitoba ... \& - \& - \& 15,911 \& 653,525 \& 676,632 \& - \& - \& 1,346,068 \& - \& 1,346,068 <br>
\hline Saskatchewan \& - \& - \& 15, \& 221,293 \& 1,581,753 \& - \& - \& 1,803,046 \& - \& 1,803,046 <br>
\hline Alberta ... \& - \& - \& - \& 101,806 \& 3,047,488 \& - \& - \& 3,149,294 \& - \& 3,149,294 <br>
\hline British Columbia \& - \& - \& - \& - \& 1,772, 278 \& 1,475,104 \& - \& 3,247,382 \& - \& 3,247, 382 <br>
\hline Northwest Territories \& - \& - \& - \& - \& - \& \& 80,475 \& 80,475 \& - \& 80,475 <br>
\hline Totals \& - \& 108,793 \& 241,045 \& 5,004,609 \& 13,137,527 \& 1,475,104 \& 80,475 \& 20,047,553 \& 15,894,479 \& 35,942,032 <br>
\hline \multicolumn{11}{|l|}{Exports to U.S.A.} <br>
\hline District $1 . . . . . . . .$. \& - \& - \& \& 70,168 \& 1,761,149 \& \& - \& 1,831,317 \& - \& 1,831,317 <br>
\hline II and III \& - \& - \& 277,294 \& 2,124,547 \& 4,436,912 \& - \& - \& 6,838,753 \& - \& 6,838,753 <br>
\hline IV \& - \& - \& - \& - \& 811,782 \& - \& - \& 811,782 \& - \& 811,782 <br>
\hline v \& - \& - \& - \& - \& 4,233,582 \& 270,537 \& - \& 4,504,119 \& - \& 4,504,119 <br>
\hline Totals \& - \& - \& 277,294 \& 2,194,715 \& 11,243,425 \& 270,537 \& - \& 13,985,971 \& - \& 13,985,971 <br>
\hline \multicolumn{11}{|l|}{Inventories} <br>
\hline Opening - Field and plant \& \& - \& \& \& \& \& \& \& \& <br>

\hline Transporters' . \& - \& - \& 16,307 \& $$
4,505,083
$$ \& \[

21,262,311

\] \& \[

1,507,147

\] \&  \& \[

27,290,848

\] \& 359,835 \& \[

27,650,683
\] <br>

\hline Closing - Field and plant \& 8,505 \& - \& 72,704 \& 422,785 \& 1,556,564 \& - 19,048 \& 97,071 \& 2,138,581 \& - \& 2,138,581 <br>
\hline Transporters' \& - \& - \& 15,741 \& 4,871,029 \& 21,961,012 \& 1,554,394 \& - \& $28,402,176$ \& 359,835 \& 28,762,011 <br>
\hline Net change \& 60 \& - \& - 2,490 \& 346,768 \& 273,045 \& 40,562 \& -985 \& 1,156,960 \& - \& 1,156,960 <br>
\hline Dellveries to other purchasers \& 742 \& - \& - \& - 6,946 \& 13,574 \& 803 \& - \& 8,173 \& - \& 8,173 <br>
\hline Pipeline fuel ..... \& - \& - \& - \& 7 \& 19,607 \& - \& - \& 19,607 \& - \& 19,607 <br>
\hline Field and plant use \& - \& - \& - \& 4,478 \& 16,070 \& - \& - \& 20,548 \& - - \& 20,548 <br>
\hline Losses and adjustments \& - 81 \& 52 \& 5,803 \& 15,928 \& - 573,767 \& 127,338 \& - \& - 424,727 \& $=101,976$ \& - 526,703 <br>
\hline Total disposition \& 721 \& 108,845 \& 521,652 \& 7,559,552 \& 24,629,481 \& 1,914,344 \& 79,490 \& 34,814,085 \& 15,792,503 \& 50,606,588 <br>
\hline
\end{tabular}

-.. Figures not appropriate or not applicable.

TABLE 3. Supply and Disposition of Natural Gas by Source, Canada, March 1968


[^0]TARLE 3. Supply and Disposition of Natural Gas by Source, Canada, March 1968

| Aiberta | British Columbia | Northwes e Territories | Total Caradian sources | Total <br> Foreign sources | Total all sources | No. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{array}{r} 157,760,474 \\ 5,392,727 \end{array}$ | $\begin{array}{r} 24,285,783 \\ 1,015,004 \end{array}$ | $\begin{aligned} & 65,106 \\ & 60,797 \end{aligned}$ | $\begin{array}{r} 189,858,427 \\ 7,379,719 \end{array}$ | $\ldots$ | $\begin{array}{r} 189,858,427 \\ 7,379,719 \end{array}$ | 1 |
| 152,367,747 | 23,270,779 | 4,309 | 182,478,708 | -. | 182,478,708 | 3 |
| $19,304,300$ | $743,155$ | - | $20,052,179$ | $\cdots$ | $20,052,179$ | 4 |
| 133,063,447 | 22,527,624 | 4,309 | 162,426,529 | - . | 162,426,529 | 6 |
| $\begin{array}{r} 883,897 \\ 616,149 \\ 16,867,030 \\ 6,072,283 \\ 73,383 \\ 12,829,401 \\ 95,721,304 \end{array}$ | $\begin{array}{r} 507,220 \\ 585,433 \\ 3,062,053 \\ -965,478 \\ 19,338,395 \end{array}$ |  | $\begin{array}{r} 1,754,266 \\ 696,276 \\ 17,652,219 \\ 9,337,657 \\ 200,975 \\ 11,859,355 \\ 120,925,780 \end{array}$ |  | $\begin{array}{r} 1,754,266 \\ 696,276 \\ 17,652,219 \\ 9,337,657 \\ 200,975 \\ 11,859,355 \\ 120,925,780 \\ \hline \end{array}$ | $\begin{gathered} 7 \\ 8 \\ 9 \mathrm{a} \\ 9 \mathrm{~b} \\ 10 \\ 11 \\ 12 \end{gathered}$ |
| 133,063,447 | 22,527,623 | 4,309 | 162,426,528 | ... | 162,426,528 | 13 |
| $\begin{aligned} & 81,060,835 \\ & 14,560,463 \end{aligned}$ | $\begin{array}{r} 19,045,457 \\ 292,938 \end{array}$ | - | $\begin{array}{r} 102,128,413 \\ 18,797,367 \end{array}$ | $\ldots$ | $\begin{array}{r} 102,128,413 \\ 18,797,367 \end{array}$ | $\begin{aligned} & 14 a \\ & 14 b \end{aligned}$ |
| 95,721,304 | 19,338,395 | - | 120,925,780 | . . | 120,925,780 | 15 |
| $\begin{aligned} & 52,875 \\ & 59,158 \end{aligned}$ | - | - | $\begin{array}{r} 4,996,699 \\ 59,198 \end{array}$ |  | $\begin{array}{r} 4,996,699 \\ 59,198 \\ \hline \end{array}$ | $\begin{aligned} & 16 \\ & 17 \end{aligned}$ |
| 95,833,337 | 19,338,395 | - | 125,981,677 | 9,137,564 | 135,119,241 | 18 |
| $\begin{array}{r} 944,260 \\ 18,522,755 \\ 3,144,127 \\ 5,646,853 \\ 18,461,354 \\ 3,660,435 \end{array}$ | $7,248,452$ |  | $\begin{array}{r} 8,192,712 \\ 18,522,755 \\ 8,391,046 \\ 5,646,853 \\ 24,924,437 \\ 3,673,417 \\ 7,263 \end{array}$ | $\begin{array}{r} - \\ 9,424 \\ - \\ 9,127,992 \\ - \\ - \end{array}$ | $\begin{array}{r} 8,192,712 \\ 18,532,179 \\ 8,391,046 \\ 5,646,853 \\ 34,052,429 \\ 3,673,417 \\ 7,263 \end{array}$ | $\begin{aligned} & 19 \\ & 20 \\ & 21 \\ & 22 \\ & 23 \\ & 24 \\ & 25 \end{aligned}$ |
| 50,379,784 | 7,248,452 | - | 69,358,483 | 9,137,416 | 78,495,899 | 26 |
| $\begin{array}{r} 41,208,506 \\ 1,182,229 \\ 2,278,495 \\ -17,714 \\ 4,605,739 \\ -\quad 3,803,702 \end{array}$ | $\begin{array}{r} 11,312,503 \\ = \\ 761,997 \\ =45,972 \\ 61,415 \end{array}$ |  | $\begin{array}{r} 52,521,009 \\ 1,182,229 \\ 2,651,498 \\ 738,663 \\ 4,760,483 \\ =\quad 5,230,688 \end{array}$ | $148$ | $\begin{array}{r} 52,521,009 \\ 1,182,229 \\ 2,651,498 \\ 738,663 \\ 4,760,483 \\ -\quad 5,230,540 \\ \hline \end{array}$ | $\begin{aligned} & 27 \\ & 28 \\ & 29 \\ & 30 \\ & 31 \\ & 32 \end{aligned}$ |
| 95, 833, 337 | 19,338,395 | - | 125,981,677 | 9,137,564 | 135,119,241 | 33 |

TABLE 4. Net new Production of Natural Gas by Month, by Province, March 1968


TABLE 5. Gas Processing Plant Production of Sulphur by Month, by Province, March 1968


TAB:-F. 6. Supply of Gas Processing Plant Propane, Butanes and Sulphur, March 1968


Figures mot appropriste ot mat spplicable.


[^0]:    (1) L.P.G. for gas enrichment, peak shaving or temporary supply.
    (2) Direct deliveries for industrial consumption and miscellaneous utility deliveries

