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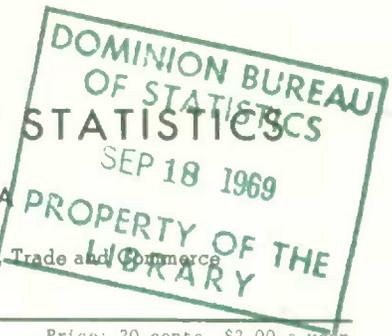
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CRUDE PETROLEUM AND NATURAL GAS PRODUCTION

FEBRUARY 1969

The production of crude petroleum and equivalent hydrocarbons during February 1969 amounted to 34,158,369 barrels, or 1,219,942 barrels per day, an increase of 2.6 per cent or 72,246 barrels per day from February 1968. The production figures for all petroleum liquids for the two years are as follows:

	February 1968		February 1969	
	millions of barrels	barrels per day	millions of barrels	barrels per day
Crude petroleum and condensate	30.5	1,052,092	31.2	1,114,280
Pentanes plus	2.8	95,604	3.0	105,662
Propane and butanes	2.2	76,460	2.2	78,330
Totals	35.5	1,224,156	36.4	1,298,272

The disposition of Canadian crude and equivalent for February 1969 was 19.1 million barrels (55.9 per cent) to Canadian refineries and 15.5 million barrels (45.3 per cent) was exported. The difference between supply and sales of 1.2 per cent is accounted for by inventory changes, industry own use, etc. Imported crude petroleum for the same period amounted to 15.1 million barrels (538,140 barrels per day) bringing domestic requirements for crude petroleum and equivalent hydrocarbons to 34.2 million barrels (1,220,070 barrels per day).

Natural gas production increased 16.2 per cent to 184,181,708 Mcf. from 158,535,647 Mcf. in February 1968. The disposition of Natural gas for February 1969 is as follows: 6.6 million was net deliveries to storage and injection operations; 3.0 million was used, lost or unaccounted for in fields and processing plants; 53.4 million was exported; 43.3 million was sold to ultimate customers in the prairies; 34.7 million in Ontario; 9.9 in British Columbia and 4.6 million in Quebec. The remaining 3.0 million Mcf. was accounted for by other deliveries, pipeline fuel losses and line pack fluctuations.

Table 1 includes production of petroleum and equivalent hydrocarbons, propane and butanes. Pentanes plus represent the crude oil equivalent production at gas processing plants. Propane and butanes represent the net withdrawals from gas processing plants.

Table 2 shows Supply and Disposition of Crude oil and Equivalent by Source. 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 purchasers and refiners in field and pipeline are included in Table 2, while inventories held by refiners in a refinery complex are excluded. Details on the movement of crude oil by pipeline are given in another companion report "Oil Pipeline Transport," Catalogue number 55-001.

All volumes of crude oil are given in barrels of 35 Canadian gallons at 60°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 considered as net new production; but 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 p.s.i.a. at 60°F.

Sulphur volumes are expressed in short tons measured at 2,000 pounds.

Manufacturing and Primary Industries Division

September 1969
6503-515

TABLE 1. Field and Plant Production of Liquid Hydrocarbons by Month, by Province, February 1969

	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Northwest Territories	Canada
	barrels of 35 Canadian gallons							
<u>Crude oil and condensate</u>								
January	588	95,432	523,232	7,611,116	23,213,183	1,967,296	81,957	33,492,804
February	594	92,655	470,199	6,857,620	21,939,037	1,783,233	56,489	31,199,827
March								
April								
May								
June								
July								
August								
September								
October								
November								
December								
<u>Pentanes plus</u>								
January	-	-	-	30,142	3,039,460	82,125	-	3,151,727
February	-	-	-	22,600	2,857,601	78,341	-	2,958,542
March								
April								
May								
June								
July								
August								
September								
October								
November								
December								
<u>Propane</u>								
January	-	-	-	72,784	1,439,826	41,529	-	1,554,139
February	-	-	-	60,097	1,249,929	38,395	-	1,348,421
March								
April								
May								
June								
July								
August								
September								
October								
November								
December								
<u>Butanes</u>								
January	-	-	-	29,834	913,941	49,485	-	993,260
February	-	-	-	24,846	771,517	48,456	-	844,819
March								
April								
May								
June								
July								
August								
September								
October								
November								
December								
Total February 1969	594	92,655	470,199	6,965,163	26,818,084	1,948,425	56,489	36,351,609
Total year to date	1,182	188,087	993,431	14,709,039	55,424,494	4,088,860	138,446	75,543,539
Total February 1968	658	102,588	470,605	7,301,838	25,693,975	1,873,978	56,864	35,500,506

TABLE 1. Supply and Disposition of Grade Oil and Equivalent, by Source, Canada, February 1969

	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Northwest Territories	Total Canadian sources	Total Foreign sources	Total all sources
barrels of 35 Canadian gallons										
<u>Supply</u>										
<u>Domestic production</u>										
Crude oil	594	92,655	470,199	6,857,620	21,758,671	1,775,558	65,898	31,021,195	...	31,021,195
Synthetic crude oil	-	-	-	-	568,931	-	-	568,931	...	568,931
Less returned to formation	-	-	-	-	442,176	-	9,409	451,585	...	451,585
Totals	594	92,655	470,199	6,857,620	21,885,426	1,775,558	56,489	31,138,541	...	31,138,541
Condensate	-	-	-	-	53,611	7,675	-	61,286	...	61,286
Pentanes plus	-	-	-	22,600	2,857,601	78,341	-	2,958,542	...	2,958,542
Net withdrawals	594	92,655	470,199	6,880,220	24,796,638	1,861,574	56,489	34,158,369	...	34,158,369
Imports .....	...	...	...	...	...	...	...	...	15,067,923	15,067,923
Total supply	594	92,655	470,199	6,880,220	24,796,638	1,861,574	56,489	34,158,369	15,067,923	49,226,292
<u>Disposition</u>										
<u>Deliveries to refineries</u>										
Atlantic Provinces	-	-	-	-	-	-	-	-	3,436,411	3,436,411
Quebec	-	-	-	-	-	-	-	-	11,628,905	11,628,905
Ontario	-	92,655	229,671	3,649,739	5,977,347	-	-	9,949,412	-	9,949,412
Manitoba	-	-	14,500	754,324	503,609	-	-	1,272,433	-	1,272,433
Saskatchewan	-	-	-	129,843	1,781,131	-	-	1,910,974	-	1,910,974
Alberta	-	-	-	-	3,108,691	-	-	3,108,691	-	3,108,691
British Columbia	-	-	-	-	1,428,813	1,381,885	-	2,810,698	-	2,810,698
Northwest Territories	-	-	-	-	-	-	44,644	44,644	-	44,644
Totals	-	92,655	244,171	4,533,906	12,799,591	1,381,885	44,644	19,096,852	15,065,316	34,162,168
<u>Exports to U.S.A.</u>										
<u>Petroleum Administration</u>										
District I	-	-	-	162,924	1,926,831	-	-	2,089,755	-	2,089,755
II	-	-	217,526	2,085,612	5,086,250	-	-	7,389,388	-	7,389,388
IV	-	-	-	-	717,805	-	-	717,805	-	717,805
V	-	-	-	-	4,764,441	525,899	-	5,290,340	-	5,290,340
Totals	-	-	217,526	2,248,536	12,495,327	525,899	-	15,487,288	-	15,487,288
<u>Inventories</u>										
Opening - Field and plant	5,267	-	70,897	446,992	1,802,591	- 26,090	87,458	2,387,115	-	2,387,115
Transporters'	-	-	63,134	5,045,974	26,452,190	1,453,912	-	33,015,210	359,835	33,375,045
Closing - Field and plant	4,622	-	83,394	407,039	1,669,580	- 33,774	99,303	2,230,164	-	2,230,164
Transporters'	-	-	60,156	5,127,977	25,887,276	1,327,549	-	32,402,958	359,835	32,762,793
Net change	- 645	-	9,519	42,050	- 697,925	- 134,047	11,845	- 769,203	-	- 769,203
Deliveries to other purchasers	1,150	-	-	-	81	1,040	-	2,271	-	2,271
Pipeline fuel	-	-	-	-	14,177	-	-	14,177	-	14,177
Field and plant use	-	-	-	7,915	59,433	-	-	67,348	-	67,348
Losses and adjustments	89	-	- 1,017	47,813	125,954	86,797	-	259,636	2,607	262,243
Total disposition	594	92,655	470,199	6,880,220	24,796,638	1,861,574	56,489	34,158,369	15,067,923	49,226,292

... Figures not appropriate or not applicable.

TABLE 3. Supply and Disposition of Natural Gas by Source, Canada, February 1969

No.		New Brunswick	Quebec	Ontario	Saskatchewan
		Mcf.			
	<u>A. FIELD AND PROCESSING PLANTS</u>				
	<u>Supply</u>				
1	Gross new production	10,840	12,608	1,019,257	6,231,920
2	Less field flared and waste	-	-	-	858,133
3	Net new production (1 - 2)	10,840	12,608	1,019,257	5,373,787
4	Reproduced	-	-	-	-
5	Less injected and stored	-	-	-	-
6	Net withdrawals	10,840	12,608	1,019,257	5,373,787
	<u>Disposition</u>				
7	Field disposition and uses	212	-	-	311,138
8	Gathering system disposition and uses	-	-	-	119,023
9	Processing plant disposition and uses:				
9a	Processing shrinkage	-	-	-	163,498
9b	Other disposition and uses	-	-	-	166,235
10	Other uses	-	-	-	80,936
11	Adjustment	-	-	-	21,855
12	Deliveries of marketable gas	10,628	12,608	1,019,257	4,511,102
13	Total disposition	10,840	12,608	1,019,257	5,373,787
	<u>B. GAS UTILITIES</u>				
	<u>Supply</u>				
14	Receipts of marketable gas				
14a	Plants	-	-	7,333	1,759,340
14b	Fields	10,628	12,608	1,011,924	2,751,853
15	Total (14a + 14b)	10,628	12,608	1,019,257	4,511,102
16	Receipts from distributor storage	-	-	9,239,202	560,308
17	Imports	-	-	-	-
17a	Other receipts(1)	-	-	428	-
18	Total supply of marketable gas (15 + 16 + 17 + 17a)	10,628	12,608	10,258,887	5,071,410
	<u>Disposition</u>				
	<u>Sales</u>				
19	British Columbia	-	-	-	-
20	Alberta	-	-	-	-
21	Saskatchewan	-	-	-	6,582,855
22	Manitoba	-	-	-	-
23	Ontario	-	-	10,451,833	-
24	Quebec	-	12,608	-	-
25	New Brunswick	6,424	-	-	-
26	Total sales (19 to 25 inclusive)	6,424	12,608	10,451,833	6,582,855
27	Exports	-	-	-	-
28	Other deliveries(2)	-	-	-	-
29	Delivered to distributor storage	-	-	-	262,819
30	Pipeline line pack fluctuation	-	-	-	- 14,360
31	Pipeline fuel	-	-	46,875	244,207
32	Pipeline losses etc.	4,204	-	- 239,821	- 2,004,111
33	Total disposition of marketable gas (26 to 32 inclusive)	10,628	12,608	10,258,887	5,071,410

(1) L.P.G. for gas enrichment, peak shaving or temporary supply.

(2) Direct deliveries for industrial consumption and miscellaneous utility deliveries.

TABLE 3. Supply and Disposition of Natural Gas by Source, Canada, February 1969

Alberta	British Columbia	Northwest Territories	Total Canadian sources	Total Foreign sources	Total all sources	No.
Mcf.						
155,064,473	27,900,697	46,177	190,285,972	...	190,285,972	1
4,431,115	774,714	40,302	6,104,264	...	6,104,264	2
150,633,358	27,125,983	5,875	184,181,708	...	184,181,708	3
-	-	-	-	...	-	4
14,925,939	606,021	-	15,531,960	...	15,531,960	5
135,707,419	26,519,962	5,875	168,649,748	...	168,649,748	6
707,311	794,083	-	1,812,744	...	1,812,744	7
1,493,862	-	-	1,612,885	...	1,612,885	8
17,631,732	678,219	-	18,473,449	...	18,473,449	9a
6,488,050	2,693,330	-	9,347,615	...	9,347,615	9b
95,382	-	5,875	182,193	...	182,193	10
- 1,726,398	- 160,730	-	- 1,865,273	...	- 1,865,273	11
111,017,480	22,515,060	-	139,086,135	...	139,086,135	12
135,707,419	26,519,962	5,875	168,649,748	...	168,649,748	13
88,311,115	22,063,774	-	112,141,471	...	112,141,471	14a
22,706,365	451,286	-	26,944,664	...	26,944,664	14b
111,017,480	22,515,060	-	139,086,135	...	139,086,135	15
229,204	-	-	10,028,714	...	10,028,714	16
-	-	-	-	2,852,203	2,852,203	17
117,043	54	-	117,525	...	117,525	17a
111,363,727	22,515,114	-	149,232,374	2,852,203	152,084,577	18
1,379,550	8,544,067	-	9,923,617	-	9,923,617	19
26,628,909	-	-	26,628,909	15,261	26,644,170	20
3,992,516	-	-	10,575,371	-	10,575,371	21
6,074,054	-	-	6,074,054	-	6,074,054	22
24,285,783	-	-	34,737,616	2,836,769	37,574,385	23
4,550,808	-	-	4,563,416	-	4,563,416	24
-	-	-	6,424	-	6,424	25
66,911,620	8,544,067	-	92,509,407	2,852,030	95,361,437	26
40,896,439	12,497,492	-	53,393,931	-	53,393,931	27
1,585,935	-	-	1,585,935	-	1,585,935	28
791,210	-	-	1,054,029	-	1,054,029	29
439,699	94,869	-	520,208	-	520,208	30
5,211,684	1,759,901	-	7,262,667	-	7,262,667	31
- 4,472,860	- 381,215	-	- 7,093,803	173	- 7,093,630	32
111,363,727	22,515,114	-	149,232,374	2,852,203	152,084,577	33

TABLE 4. Net new Production of Natural Gas by Month, by Province, February 1969

Month	New Brunswick	Quebec	Ontario	Saskatchewan	Alberta	British Columbia	Northwest Territories	Canada
	Mcf. at 14.73 p.s.i.a. and 60°F							
January	11,624	13,947	1,243,165	6,398,968	165,207,478	28,974,555	6,514	201,856,251
February	10,840	12,608	1,019,257	5,373,787	150,633,358	27,125,983	5,875	184,181,708
March								
April								
May								
June								
July								
August								
September								
October								
November								
December								
Total year to date	22,464	26,555	2,262,422	11,772,755	315,840,836	56,100,538	12,389	386,037,959
Total February 1968	12,823	14,931	1,208,009	5,325,851	134,959,151	22,236,721	3,177	163,760,663

TABLE 5. Gas Processing Plant Production of Sulphur by Month, by Province, February 1969

Month	Saskatchewan	Alberta	British Columbia	Canada
	short tons			
January	342	327,032	6,668	334,042
February	260	302,298	5,873	308,431
March				
April				
May				
June				
July				
August				
September				
October				
November				
December				
Total year to date	602	629,330	12,541	642,473
Total February 1968	360	255,526	3,820	259,706

TABLE 6. Supply of Gas Processing Plant Propane, Butanes and Sulphur, February 1969

	Propane	Butanes	Sulphur
	barrels		short tons
<u>Production</u>			
Saskatchewan	60,097	24,846	260
Alberta	1,267,697	827,934	302,298
British Columbia	38,395	48,456	5,873
Canada	1,366,189	901,236	308,431
<u>Returned to formation</u>			
Saskatchewan .....	...	...	...
Alberta	17,768	56,417	...
British Columbia .....	...	...	...
Canada	17,768	56,417	...
<u>Net withdrawals</u>			
Saskatchewan	60,097	24,846	...
Alberta	1,249,929	771,517	...
British Columbia	38,395	48,456	...
Canada	1,348,421	844,819	...

... Figures not appropriate or not applicable.

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