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# Prairie

Oil Royalties Company, Ltd.

ANNUAL REPORT 1989

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## C O R P O R A T E P R O F I L E

Prairie Oil Royalties Company, Ltd. was incorporated July 13, 1951, under the laws of the Province of Saskatchewan in Canada. At December 31, 1989, there were 7,846,076 common shares issued and outstanding. Norcen Energy Resources Limited of Calgary, Alberta, Canada, owns 74.4 per cent of the common shares. The Company produces and sells crude oil, gas liquids and natural gas in Canada and is engaged in oil and gas exploration and development in Western Canada.

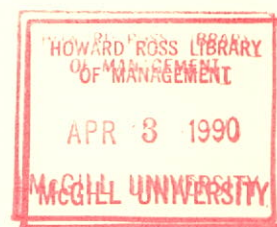
## A N N U A L M E E T I N G

The Annual Meeting of Shareholders will be held on Wednesday, May 2, 1990, at 10:30 a.m., local time, in the boardroom of Norcen Energy Resources Limited, 32nd Floor, 715 Fifth Avenue Southwest, Calgary, Alberta, Canada.

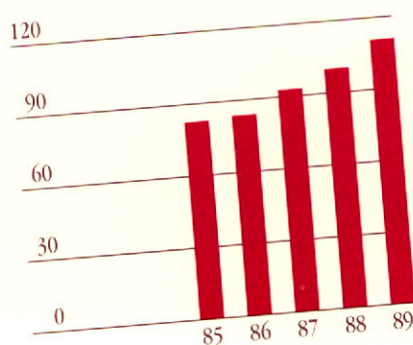


## H I G H L I G H T S

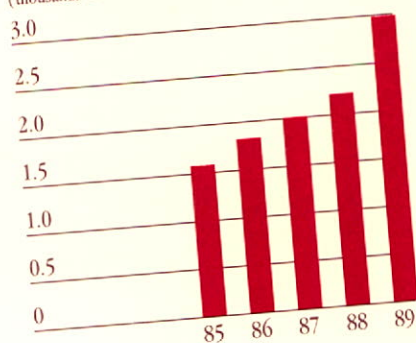
	1989	1988	% Change
<b>Financial</b>			
(thousands of Canadian dollars except per share amounts)			
Revenue	\$ 21,402	\$15,148	+41
Net earnings	\$ 4,306	\$ 3,627	+19
Net earnings per share	\$ 0.55	\$ 0.46	+19
Cash generated from operations	\$ 15,711	\$13,536	+16
Shareholders' equity	\$ 67,592	\$63,286	+ 7
Total assets	\$110,008	\$99,137	+11
<b>Operations</b>			
Production			
Crude oil and natural gas liquids (barrels per day)	2,997	2,299	+30
Natural gas (millions of cubic feet per day)	9.1	8.3	+ 9
Established reserves			
Crude oil and NGL (millions of barrels)	9.7	7.1	+36
Natural gas (billions of cubic feet)	71.8	64.4	+12
Land holdings (thousands of acres)			
Gross	1,373.5	1,585.3	-13
Net	273.5	279.8	- 2



**TOTAL ASSETS**  
(thousands of Canadian dollars)



**PRODUCTION**  
Crude Oil and Natural Gas Liquids  
(thousands of barrels per day)





## REPORT TO SHAREHOLDERS

Exploration and development successes, coupled with the acquisition of oil-producing properties during 1989, led to another year of significant production and reserve growth for Prairie Oil. The higher production levels, together with improved crude oil prices, generated solid gains in earnings and cash flow.

### Financial

Net earnings in 1989 rose 19 per cent to \$4.3 million and cash generated from operations increased 16 per cent to \$15.7 million compared with 1988. Revenues increased from \$15.1 million to \$21.4 million. In 1989, the average price received by Prairie Oil for its oil and natural gas liquids was \$18.53 per barrel, up from \$15.20 in the previous year.

Capital expenditures of \$24.4 million included \$6.4 million for the acquisition of oil-producing properties at Golden in northwestern Alberta. In 1988, capital expenditures of \$29.9 million reflected the \$10.4 million acquisition of oil and gas properties at Cherhill, Alberta.

*Barry D. Cochrane, Chairman of the Board, and Wayne M. Newhouse, President*

### Operations

Oil and gas liquids production increased 30 per cent in 1989, reaching a record 2,997 barrels per day ("b/d"). Increased production was primarily attributable to the Golden and Cherhill acquisitions as well as to new discoveries in the Hays/Enchant and Otter areas, and increases at West Pembina. The acquisition of the Golden properties in June 1989, added an estimated 1.62 million barrels of oil to reserves and approximately 500 b/d to production.

Natural gas production rose 9 per cent in 1989 to 9.1 million cubic feet per day ("mmcf/d") from 8.3 mmcf/d. A gas conservation scheme implemented in mid-1989 at the Cherhill Unit #1 was a major contributor to the improved gas volumes. In 1990, with the benefit of the facility's first full year of operation and a second gas conservation scheme in place, natural gas production is expected to increase to 13.9 mmcf/d.

At December 31, 1989, established crude oil and natural gas liquids reserves were up 36 per cent to 9.7 million barrels, reflecting the Golden acquisition as well as exploration and development successes. Contributions to reserves were added from the Hays/Enchant Nisku oil play in southern Alberta where the Company made six new oil discoveries which were followed up with four successful development wells. Additional contributions were made from discoveries at Grande Prairie and at Otter River in northern Alberta.

Established natural gas reserves, estimated at 71.8 billion cubic feet, increased 12 per cent from last year's level. Two gas discoveries made in 1989 were Berland and West Windfall (Kaybob South) in the Deep Devonian gas play of west-central Alberta where additional drilling is planned in 1990. Gas reserve additions were also made at Harmattan East and Hays.

### Management

On November 1, 1989, Wayne M. Newhouse, Senior Vice-President, Production with Norcen Energy Resources Limited, and a member of Prairie Oil's Board of Directors, was appointed President of the Company. Also appointed to corporate positions with Prairie Oil on November 1 were D. K. Bruce Fenwick, Vice-President, Domestic Exploration with Norcen, as Vice-President, Exploration, and J. Gerhard Schopp, Vice-President, Operations with Norcen, as Vice-President, Operations.

### Outlook

A capital budget of \$20.8 million has been set for 1990 of which \$17.0 million has been allocated to exploration. As well as concentrating on expanding Prairie Oil's successful southern Alberta Nisku oil play, other 1990 initiatives will include the Granite Wash play in northern Alberta and the Deep Devonian natural gas play in west-central Alberta.

In the coming year, Prairie Oil anticipates that record growth in gas and liquids production will again be achieved through development programs at Hays/Enchant and Cherhill, and from its aggressive exploration programs in Western Canada. In addition, the Company's strategy will continue to accommodate potential acquisitions if and when they should become available.

On behalf of the Board,

Barry D. Cochrane  
Chairman of the Board

Wayne M. Newhouse  
President

Calgary, Alberta  
February 22, 1990



## EXPLORATION AND DEVELOPMENT

Capital expenditures for exploration and development programs as well as acquisitions in 1989 were \$24.4 million, net of federal and provincial incentives, as compared to \$29.9 million in 1988.

Major areas of activity in 1989 were the Hays/Enchant, Otter/Ogston, Grande Prairie, Berland/Kaybob South and Harmattan East areas of Alberta. The Company participated in the drilling of 43 gross (9.03 net) working interest wells which resulted in 21 gross (3.78 net) oil wells and seven gross (1.89 net) gas wells. The Company also participated through farmout agreements in 10 exploration wells which resulted in seven oil and one gas discoveries.

During 1989, the Company's principal areas of activity were as follows:

### Cherhill

In 1988, Prairie Oil acquired oil and gas producing properties in the Cherhill area of Alberta which were unitized during 1989. The unitization and gas conservation scheme implemented mid-year added 2.5 mmcf/d and 250 b/d to Prairie Oil's production volumes.

### Hays/Enchant

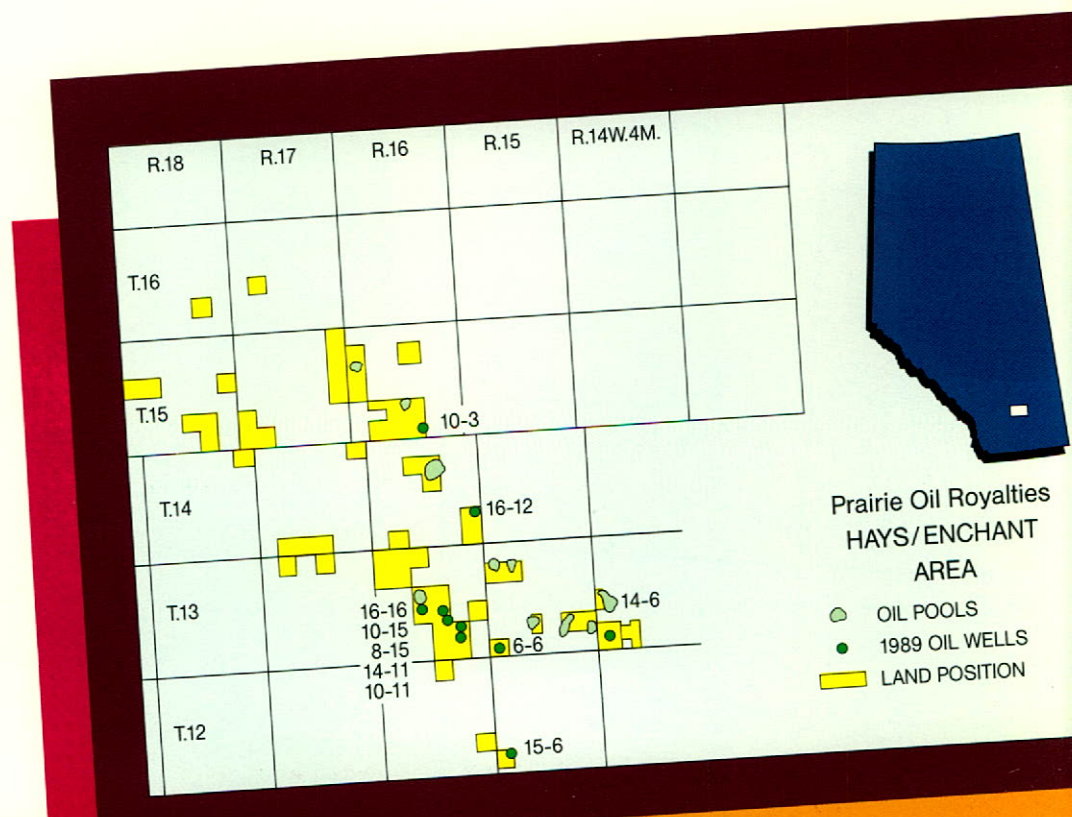
Prairie Oil participated in the drilling of 10 successful oil wells at Hays/Enchant which included six exploratory wells and four development wells. The Company's share of production increased by approximately 145 b/d of oil from working interests which range from 15 to 27.5 per cent. Further drilling activity is planned here in 1990.

### Otter/Ogston

Prairie Oil participated in one successful exploratory well and one development well, each with a 50 per cent working interest, which in total added approximately 70 b/d of oil to production.

### Grande Prairie

During the year, the Company participated in one exploratory and one development well, each with a 26.31 per cent working interest, adding a total of 50 b/d of oil.



## EXPLORATION AND DEVELOPMENT

### Berland/Kaybob South

In natural gas exploration, the Company focused on Deep Devonian gas prospects in west-central Alberta. Prairie Oil has acquired an inventory of drilling prospects during the past three years which it has now begun to evaluate. Two wells drilled under this program in 1989 were successful in finding gas and additional drilling was in progress at year-end.

### Harmattan East

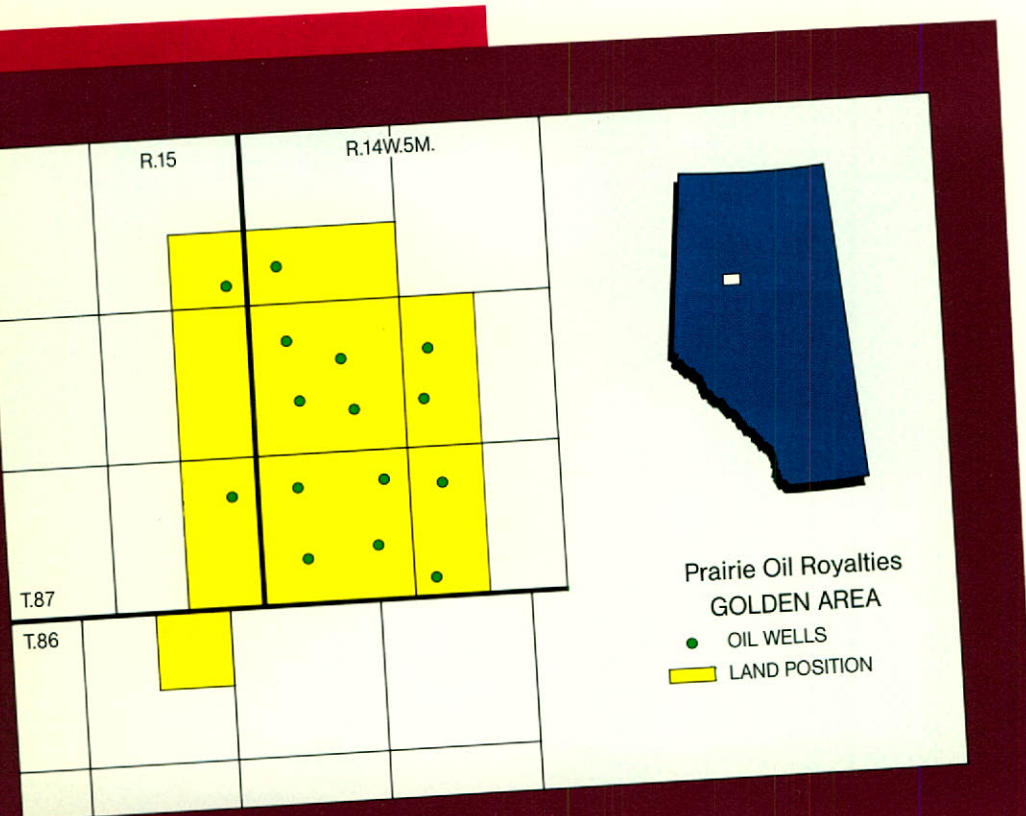
One well, in which Prairie Oil holds a 50 per cent working interest, was drilled at Harmattan East as part of an ongoing development program. Gas sales are expected to commence late in the third quarter of 1990 at approximately 1.0 mmcf/d.

### 1990 Exploration and Development

A 1990 capital budget of \$20.8 million has been approved by the Board of Directors. Expenditures have been budgeted to balance available cash flow and will be concentrated on exploration and development in Western Canada.

### Reserves

At December 31, 1989, the Company's established reserves of crude oil and natural gas liquids, before royalties, were estimated at 9.7 million barrels, compared with 7.1 million barrels a year earlier. The addition of 1.6 million barrels from the Golden acquisition effective June 1, 1989 was a major factor contributing to the improvement. Natural gas reserves, estimated at 71.8 billion cubic feet, increased 12 per cent from 64.4 billion cubic feet in 1988 due to Prairie Oil's exploration and development successes during the year.





## EXPLORATION AND DEVELOPMENT

### Oil and Gas Land Holdings (Acres)

	Developed*		Undeveloped				Total	
	Leases		Leases		Permits and Licences		Gross	Net
	Gross	Net	Gross	Net	Gross	Net		
Alberta	271,082	52,279	420,253	91,989	141,530	42,758	832,865	187,026
British Columbia	25,159	1,632	35,640	4,556	35,114	3,145	95,913	9,333
Saskatchewan	11,501	1,342	67,370	31,646	32,134	16,067	111,005	49,055
Manitoba	1,440	480	76,488	23,091			77,928	23,571
Ontario			645	135			645	135
Arctic Islands					255,144	4,351	255,144	4,351
<b>TOTAL</b>	<b>309,182</b>	<b>55,733</b>	<b>600,396</b>	<b>151,417</b>	<b>463,922</b>	<b>66,321</b>	<b>1,373,500</b>	<b>273,471</b>

\*Developed leases are leases upon which one or more productive or potentially productive wells have been drilled.

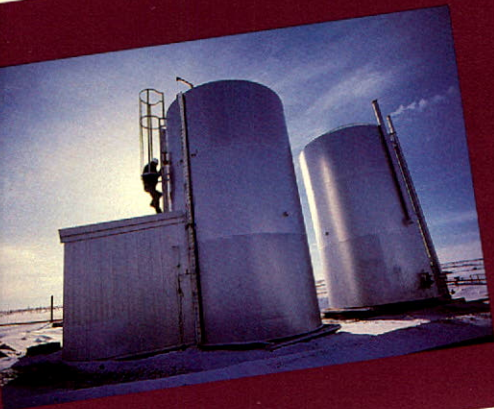
At December 31, 1989, the Company owned interests in 1,373,500 gross (273,471 net) acres as shown in detail in the summary above. This compares with 1,585,298 gross (279,758 net) acres at the end of 1988. The decrease in holdings is due to surrenders and expiries in all provinces, the Northwest Territories, and the Beaufort Sea; and the 1988 sale of land holdings in the United States.

### Drilling Summary

The following summary table sets forth the gross and net exploratory and development wells in which the Company participated during the five year period ended December 31, 1989:

Year	Exploratory Wells					Development Wells				
	Gross Wells	Net Wells				Gross Wells	Net Wells			
		Oil	Gas	Dry	Total		Oil	Gas	Dry	Total
1985	57	2.62	.29	8.99	11.90	159	.97	.12	.65	1.74
1986	33	1.24	.24	2.88	4.36	44	.25	.04	.20	.49
1987	49	2.72	.54	6.69	9.95	48	.52	1.30	.33	2.15
1988	68	4.04	1.91	5.08	11.03	15	2.91		1.05	3.96
1989	21	2.08	.51	3.00	5.59	22	1.70	1.38	.36	3.44

As at December 31, 1989, the Company had working interests in 1,291 gross (50 net) producing oil wells and 459 gross (79 net) producing gas wells in Western Canada, and royalty interests in 1,205 gross (28 net) producing oil wells and 55 gross (4 net) producing gas wells, most of which were in Saskatchewan.



Prairie Oil's financial performance improved significantly in 1989, with net earnings up 19 per cent to \$4.3 million (55 cents per share) from \$3.6 million (46 cents per share) in 1988. In 1987, net earnings were \$6.9 million (89 cents per share) due to the high oil prices received that year. Increased depletion expense in 1988 and 1989, resulting from higher production levels, affected earnings in those years. Cash generated from operations was \$15.7 million up from \$13.5 million in 1988 and \$14.7 million in 1987.

Oil prices improved in 1989, partly as a result of the Organization of Petroleum Exporting Countries' efforts to regulate production levels, an increase in world demand, and intermittent supply disruptions. The price of West Texas Intermediate ("WTI") benchmark crude oil averaged US\$15.96 per barrel ("bbl") in 1988, strengthened in early 1989 and averaged US\$19.36 for the year.

### Revenues and Expenses

Revenues for 1989 increased to \$21.4 million, up from \$15.1 million in 1988 due to the higher oil prices and an increase in liquids production to 2,997 barrels per day ("b/d") from 2,299 b/d. In 1987, revenues were \$17.0 million and oil and natural gas liquids ("NGL") production was 2,014 b/d.

The average price received by Prairie Oil for its oil and NGL production increased commensurate with the WTI price to average \$18.53/bbl in 1989, up from \$15.20 in 1988 but lower than the \$21.25/bbl received in 1987. Oil and NGL volumes are expected to increase in 1990 with the full-year benefit of the Golden and Cherhill acquisitions and with recent discoveries.

Natural gas production increased to 9.1 million cubic feet per day ("mmcf/d") in

## MANAGEMENT'S DISCUSSION AND FINANCIAL ANALYSIS

1989 from 8.3 mmcf/d in 1988 and 5.9 mmcf/d in 1987. Further production increases are expected in 1990 as a result of a full year of operation at the Cherhill Unit #1 gas conservation scheme. A gas conservation scheme is planned at Cherhill Unit #2 in the coming year.

Funding for acquisitions in 1988 and 1989, coupled with aggressive exploration programs in Western Canada, was provided from liquidation of long and short-term investments and an increase in debt to Prairie's parent company, Norcen Energy Resources Limited. As a result, interest and other income declined to \$0.2 million from \$1.0 million in 1988 and \$1.4 million in 1987, and financing costs increased to \$0.9 million from less than \$0.1 million in both 1988 and 1987.

Operating expenses increased \$1.5 million over 1988, which was \$0.8 million over 1987, due to increased production levels resulting from the Cherhill and Golden properties and from new properties brought onstream in 1989.

Depletion and depreciation expense was \$9.0 million, up from \$7.5 million in 1988 and \$5.4 million in 1987. The increase was primarily due to the higher production level in 1989, partially reduced by a slight decline in the depletion rate resulting from the lower unit cost of acquired reserves.

Income tax expense was \$0.8 million in 1989 compared to a recovery of \$0.6 million in 1988 and a \$1.1 million expense in 1987. Offsetting these tax provisions are Alberta Royalty Tax Credits ("ARTC") of \$1.7 million in 1989, \$1.9 million in 1988 and \$2.7 million in 1987. On November 6, 1989, the Government of Alberta announced significant changes to the ARTC rules effective January 1, 1990. Although these changes are not expected to materially affect Prairie Oil's credit for 1990, the rule forcing associated companies to share the allowable credit will materially affect the benefit in 1991 and subsequent years.

### Capital and Other Spending

The Company purchased certain interests in properties in the Golden, Alberta area for

\$6.4 million in June 1989. The acquisition added 1.62 million barrels of oil to reserves and 500 b/d of oil to current production levels. This acquisition and continued exploration and development in the Western Canadian Sedimentary Basin resulted in capital expenditures of \$24.4 million in 1989 compared to \$29.9 million in 1988 and \$12.7 million in 1987.

A 1990 capital budget of \$20.8 million has been approved by the Board of Directors. The exploration budget of \$17.0 million will concentrate on the Nisku oil zone in southern Alberta and the Deep Devonian natural gas play in west-central Alberta. Development expenditures of \$3.8 million are also planned for 1990.

### Liquidity

In 1989, the capital program and the Golden acquisition were funded through cash generated from operations, supplemented by additional financing from Prairie's parent. At the end of 1989, the amount due to the Company's parent stood at \$6.8 million. The investments held in 1988 were sold in order to assist the financing of the Cherhill acquisition and the capital programs.

At the May 10, 1989 Annual and Special Meeting of Shareholders, approval was given to create two new classes of preferred shares. The issuance of the junior and senior preferred shares remains an option available should future financing be required.

In 1990, it is expected that the capital budget of \$20.8 million will be financed from cash generated from operations. Any surplus cash will be applied to the debt due to the Company's parent. Prairie Oil anticipates that the current high level of oil prices will not be sustained and that the average price for WTI crude in 1990 will decline to approximately US\$20.00/bbl. At that price, and barring any unforeseen circumstances, Prairie Oil expects its cash flow to increase over the 1989 level. A variation of US\$1.00 per barrel in the price of WTI crude would have an approximate \$0.8 million impact on net earnings and \$1.4 million on cash flow.




## CONSOLIDATED BALANCE SHEET

As at December 31, 1989 and 1988 (thousands of Canadian dollars)

	1989	1988
<b>ASSETS</b>		
<b>Current Assets</b>		
Cash and short-term investments		\$ 652
Accounts receivable	\$ 2,503	4,360
Income tax receivable	125	434
	<b>2,628</b>	<b>5,446</b>
<b>Investments</b>		
(quoted market value \$1,762 in 1988)		1,776
<b>Properties, Plant and Equipment</b> (Note 2)	<b>107,380</b>	<b>91,915</b>
	<b>\$110,008</b>	<b>\$99,137</b>
<b>LIABILITIES</b>		
<b>Current Liabilities</b>		
Accounts payable and accrued charges	\$ 2,933	\$ 1,303
Due to parent company	6,803	3,738
Current amount of deferred gas revenues	586	574
	<b>10,322</b>	<b>5,615</b>
<b>Deferred Gas Revenues</b>	<b>2,197</b>	<b>2,761</b>
<b>Deferred Income Taxes</b>	<b>29,897</b>	<b>27,475</b>
<b>SHAREHOLDERS' EQUITY</b>		
<b>Capital Stock</b> (Note 3)		
Issued: 7,846,076 common shares	1,962	1,962
<b>Contributed Surplus</b>	<b>574</b>	<b>574</b>
<b>Retained Earnings</b>	<b>65,056</b>	<b>60,750</b>
	<b>67,592</b>	<b>63,286</b>
	<b>\$110,008</b>	<b>\$99,137</b>

Approved by the Board

 , Director

 , Director

C O N S O L I D A T E D   S T A T E M E N T   O F  
E A R N I N G S   A N D   R E T A I N E D   E A R N I N G S

Years Ended December 31, 1989, 1988 and 1987 (thousands of Canadian dollars except per share amounts)

	1989	1988	1987
<b>Sales and Other Revenues</b>			
Oil and gas	\$19,298	\$12,431	\$13,154
Royalties	1,947	1,693	2,426
Interest and other	157	1,024	1,406
	<b>21,402</b>	15,148	16,986
<b>Costs and Expenses</b>			
Production	4,535	3,074	2,313
Depletion and depreciation	8,983	7,507	5,385
General and administrative	1,854	1,541	1,218
Financial expense	925	42	61
	<b>16,297</b>	12,164	8,977
Earnings before income taxes	<b>5,105</b>	2,984	8,009
Income taxes (Note 4)			
Current (recovery)	(1,623)	(2,899)	(1,286)
Deferred	2,422	2,256	2,348
	<b>799</b>	(643)	1,062
<b>Net Earnings</b>	<b>4,306</b>	3,627	6,947
<b>Retained Earnings, Beginning of Year</b>	<b>60,750</b>	57,123	50,176
<b>Retained Earnings, End of Year</b>	<b>\$65,056</b>	\$60,750	\$57,123
<b>Earnings Per Share</b>	<b>\$ 0.55</b>	\$ 0.46	\$ 0.89



## CONSOLIDATED STATEMENT OF CHANGES IN FINANCIAL POSITION

Years Ended December 31, 1989, 1988 and 1987 (thousands of Canadian dollars)

	1989	1988	1987
<b>Operating Activities</b>			
Net earnings	\$ 4,306	\$ 3,627	\$ 6,947
Add non-cash items:			
Deferred income taxes	2,422	2,256	2,348
Depletion and depreciation	8,983	7,507	5,385
Other		146	
Cash generated from operations	15,711	13,536	14,680
Deferred gas revenues	(564)	(408)	(710)
Sale of subsidiary (Note 5)		837	
Decrease (increase) in working capital (i)	3,808	(4,636)	984
<b>Net Cash Available</b>	<b>18,955</b>	<b>9,329</b>	<b>14,954</b>
<b>Investing Activities</b>			
Investments	(1,776)	(1,890)	
Expenditures on properties, plant and equipment	26,154	33,453	13,888
Government incentive payments earned	(1,706)	(3,552)	(1,191)
<b>Total Cash Invested</b>	<b>22,672</b>	<b>28,011</b>	<b>12,697</b>
<b>Excess (Deficiency) Before Financing</b>	<b>(3,717)</b>	<b>(18,682)</b>	<b>2,257</b>
<b>Financing Activities</b>			
Advances from parent	3,065	3,740	
<b>Change in Cash</b>	<b>(652)</b>	<b>(14,942)</b>	<b>2,257</b>
<b>Cash, Beginning of Year</b>	<b>652</b>	<b>15,594</b>	<b>13,337</b>
<b>Cash, End of Year</b>	<b>\$</b>	<b>\$ 652</b>	<b>\$15,594</b>

(i) Working capital excludes cash, short-term investments and amounts due to parent.

## AUDITORS' REPORT

To the Shareholders of Prairie Oil Royalties Company, Ltd.

We have examined the consolidated balance sheet of Prairie Oil Royalties Company, Ltd. as at December 31, 1989 and 1988 and the consolidated statements of earnings and retained earnings and changes in financial position for each of the years in the three year period ended December 31, 1989. Our examination was made in accordance with generally accepted auditing standards, and accordingly included such tests and other procedures as we considered necessary in the circumstances.

In our opinion, these consolidated financial statements present fairly the financial position of the Company as at December 31, 1989 and 1988 and the results of its operations and the changes in its financial position for each of the years in the three year period ended December 31, 1989 in accordance with generally accepted accounting principles applied on a consistent basis.

Calgary, Alberta  
February 2, 1990

Peat Marwick Thorne  
Chartered Accountants

## NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

Years Ended December 31, 1989, 1988 and 1987 (thousands of Canadian dollars)

### 1. Accounting Policies

The Annual Report and the accompanying consolidated financial statements have been prepared by Management and approved by the Board of Directors. The consolidated financial statements have been prepared in accordance with Canadian generally accepted accounting principles applied on a consistent basis and comply with United States generally accepted accounting principles in all material respects. The principles used were those judged by Management to be the most appropriate in the circumstances. Management acknowledges responsibility for the fairness, integrity and objectivity of all financial information contained in the Annual Report including the consolidated financial statements, and that all information contained in the Annual Report is consistent with the consolidated financial statements. The Company's auditors are responsible for auditing the consolidated financial statements and expressing an opinion on them. The Audit Committee of the Board of Directors is responsible for reviewing the annual consolidated financial statements and reporting thereon to the Board, making recommendations to the Board with respect to the appointment and remuneration of the Company's auditors, reviewing the scope of the audit and reviewing the Company's internal financial controls.

#### *Basis of Presentation*

The consolidated financial statements include the accounts of Prairie Oil Royalties Company, Ltd. and, for 1988 and 1987, the consolidated statement of earnings and retained earnings and the statement of changes in financial position for its wholly-owned subsidiary, P.O.R. Oil & Gas Inc., which was sold on December 31, 1988. All of the Company's operations are in one business segment, namely, oil and gas exploration, development and production, and substantially all of the Company's operations are conducted in one geographic segment, Canada. Accordingly, no separate disclosure has been made of financial data by segment.

#### *Properties, Plant and Equipment*

Oil and gas properties and production equipment, in accordance with the full cost method of accounting, include expenditures related to the acquisition, exploration and development of oil and gas reserves, whether or not potentially productive. These costs are depleted and depreciated, on a country-by-country basis, using the unit of production method based on total estimated proved recoverable reserves. Natural gas reserves and production are converted to equivalent barrels of crude oil based on relative energy content. Proceeds on sale of properties are credited to asset costs.

#### *Deferred Gas Revenues*

Deferred gas revenues represent payments received under take-or-pay gas contracts. These amounts are included in revenue as the gas to which the payments relate is delivered. Deliveries, which are to be made over a ten year period, ending in 1993, and are governed by contractual arrangement.

### 2. Properties, Plant and Equipment

	1989	1988
Properties	<b>\$139,000</b>	\$118,352
Production equipment	<b>18,094</b>	14,294
	<b>157,094</b>	132,646
Accumulated depreciation and depletion	<b>49,714</b>	40,731
Net book value	<b>\$107,380</b>	\$ 91,915

During the year, the Company capitalized \$2,176 (\$2,222 in 1988, \$1,743 in 1987) of administrative overhead expenditures directly related to exploration and development activities.



### 3. Capital Stock

#### (a) Authorized

The authorized share capital of the Company consists of an unlimited number of common shares; an unlimited number of junior preferred shares; and an unlimited number of senior preferred shares.

#### (b) Issued

The Company has 7,846,076 common shares issued and outstanding of which 74.4 per cent are owned by the Company's parent, Norcen Energy Resources Limited ("Norcen").

### 4. Income Taxes

Deferred income taxes result from timing differences in the recognition of income and expenses for income tax and for financial statement purposes. The source of these differences is principally exploration and development expenditures and capital cost allowances deducted for income tax purposes in excess of depletion and depreciation.

The provision for income taxes in the consolidated statement of earnings and retained earnings varies from the amount that would be computed by applying the Canadian federal statutory rate to earnings before income taxes for the following reasons:

	1989	1988	1987
Earnings before income taxes	\$ 5,105	\$2,984	\$8,009
Canadian federal statutory rate of income tax	38.84%	42.43%	46.56%
Computed income tax expense	\$ 1,983	\$1,266	\$3,729
Increase (decrease) in income tax resulting from:			
Alberta Royalty Tax Credit	(1,716)	(1,941)	(2,673)
Provincial income taxes in excess of federal abatement	263	150	360
Large Corporations Tax — excess	92		
Non-deductible crown payments less federal resource allowance	(72)	16	(44)
Non-deductible depletion	217		
Other, net	32	(134)	(310)
Actual income tax expense	\$ 799	\$ (643)	\$1,062
Effective income tax rate	15.65%	(21.55)%	13.26%

### 5. Sale of Subsidiary

Effective December 31, 1988, the Company sold its 100 per cent interest in P.O.R. Oil & Gas Inc., to Norcen for a cash consideration of \$837. The book value of the assets of P.O.R. Oil & Gas Inc. was \$650.

### 6. Related Party

The Company's operations are managed by its parent company, Norcen. For the year ended December 31, 1989, management fees paid to Norcen amounted to \$3,899 (\$3,640 in 1988; \$2,829 in 1987). Amounts due to Norcen stood at \$6,803 at year-end (\$3,738 in 1988; nil in 1987). This debt has no fixed payment schedule and interest is charged at the prime rate as reported by the Canadian Imperial Bank of Commerce.

S U P P L E M E N T A L I N F O R M A T I O N ( U n a u d i t e d )

Years Ended December 31, 1989, 1988 and 1987 (thousands of Canadian dollars except per share amounts)

**Quarterly and Other Financial Data**

	Quarter				Year
	First	Second	Third	Fourth	
<b>1989</b>					
Revenue	\$4,422	\$4,694	\$5,993	\$6,293	\$21,402
Earnings before income taxes	\$1,015	\$1,155	\$1,673	\$1,262	\$ 5,105
Net earnings	\$1,094	\$1,020	\$1,441	\$ 751	\$ 4,306
Earnings per share	\$ 0.14	\$ 0.13	\$ 0.18	\$ 0.10	\$ 0.55
Market price per common share (i)					
High	\$ 6½	\$ 6¾	\$ 7¾	\$ 8¾	\$ 8¾
Low	\$ 5¾	\$ 6	\$ 6¾	\$ 7½	\$ 5¾
<b>1988</b>					
Revenue	\$ 4,199	\$ 3,415	\$ 3,787	\$ 3,747	\$ 15,148
Earnings before income taxes	\$ 1,347	\$ 804	\$ 768	\$ 65	\$ 2,984
Net earnings	\$ 1,216	\$ 821	\$ 1,027	\$ 563	\$ 3,627
Earnings per share	\$ 0.15	\$ 0.11	\$ 0.13	\$ 0.07	\$ 0.46
Market price per common share (i)					
High	\$ 7¾	\$ 7¾	\$ 6¾	\$ 5¾	\$ 7¾
Low	\$ 4¾	\$ 5¾	\$ 5¾	\$ 5	\$ 4¾

(i) The market prices are as reported by the American Stock Exchange, Inc. (the primary market) in U.S. dollars.

**Oil and Gas Information**

The following unaudited supplementary information is disclosed in accordance with the provisions of SEAS No. 69 "Disclosures about Oil and Gas Producing Activities".

*Capitalized Costs*

The Company has capitalized property acquisition, exploration and development costs pertaining to its oil and gas operations as follows:

	1989	1988
Properties		
Proved	\$129,784	\$108,392
Unproved	9,216	9,960
Production equipment	18,094	14,294
	157,094	132,646
Accumulated depreciation and depletion	49,714	40,731
Capitalized costs	\$107,380	\$ 91,915



S U P P L E M E N T A L I N F O R M A T I O N ( U n a u d i t e d )

Years Ended December 31, 1989, 1988 and 1987 (thousands of Canadian dollars)

*Costs Incurred for Property Acquisition, Exploration and Development Activities*

The following table presents information on the Company's oil and gas property acquisition, exploration and development activities:

	1989	1988	1987
Costs capitalized in the year			
Property acquisition — Proved	<b>\$ 6,440</b>	\$10,378	
— Unproved	<b>2,738</b>	4,095	\$ 3,297
Exploration (i)	<b>11,041</b>	12,156	8,067
Development (i)	<b>4,229</b>	3,272	1,333
<b>Total capitalized</b>	<b>\$24,448</b>	\$29,901	\$12,697

(i) Exploration and development costs are shown net of government incentive payments earned of \$1,706 in 1989 (\$3,552 in 1988; \$1,191 in 1987).

*Results of Operations for Oil and Gas Producing Activities*

	1989	1988	1987
Revenue	<b>\$25,054</b>	\$17,174	\$19,110
Production expenses (i)	<b>8,686</b>	6,245	5,955
Depreciation and depletion (ii)	<b>8,983</b>	7,507	5,385
	<b>7,385</b>	3,422	7,770
Income tax expense (recovery)	<b>1,793</b>	(505)	953
<b>Results of operations from producing activities (excluding corporate overhead and interest costs)</b>	<b>\$ 5,592</b>	\$ 3,927	\$ 6,817

(i) Production expenses include oil and gas operating expenses, production revenue taxes as well as freehold and crown royalty payments of \$4.151 in 1989 (\$3.171 in 1988; \$3.642 in 1987).

(ii) Depletion expense per equivalent barrel was \$5.45 in 1989 (\$5.56 in 1988; \$4.47 in 1987).

*Reserves*

The reserve information provided below is provided on a proved reserve basis only after deducting royalty interests of governments and others. Substantially all of the Company's proved reserves are developed. The reserve quantity information summarizes the changes in quantities of net proved oil and gas reserves determined using constant prices and costs.

	1989		1988		1987	
	Oil and Gas Liquids	Gas	Oil and Gas Liquids	Gas	Oil and Gas Liquids	Gas
	(mmbbls)	(mmcf)	(mmbbls)	(mmcf)	(mmbbls)	(mmcf)
Beginning of year	5,485	50,934	3,594	40,995	3,165	34,299
Revision of previous estimates	306	3,118	44	1,096	531	8,579
Purchase of reserves in place	1,315		1,025	6,353		
Extensions, discoveries and other additions	1,226	4,565	1,515	4,877	484	
Production	(904)	(2,882)	(693)	(2,387)	(586)	(1,883)
<b>End of year</b>	<b>7,428</b>	<b>55,735</b>	<b>5,485</b>	<b>50,934</b>	<b>3,594</b>	<b>40,995</b>

S U P P L E M E N T A L I N F O R M A T I O N ( U n a u d i t e d )

Years Ended December 31, 1989, 1988 and 1987 (millions of Canadian dollars)

*Standardized Measure of Discounted Future Net Cash Flows  
and Changes Therein Relating to Proved Oil and Gas Reserves*

In calculating the standardized measure of discounted future net cash flows, prices and costs in effect at December 31, 1989, were assumed to be constant, were applied to proved reserves as determined by internal engineering estimates and provision was made for estimated future development expenditures that will be required to produce the reserves. Royalty deductions were based on laws, regulations and contracts existing at the end of the fiscal year. The discounted future net cash flows are derived by applying a 10 per cent discount factor, as required by the SFAS No. 69 rules, to the future net cash flows.

*Management believes that this information does not sufficiently reflect the current economic value of the oil and gas producing properties or the present value of estimated future cash flows since no economic value is attributed to potential reserves, the use of a 10 per cent discount rate is arbitrary and prices constantly change from year-end levels.*

	1989	1988	1987
	(millions of Canadian dollars)		
Future cash inflows	\$ 306.3	\$212.6	\$178.2
Future production costs	(118.6)	(78.5)	(62.5)
Future development costs	(3.0)	(3.3)	(2.7)
Future income tax expense	(59.2)	(37.6)	(38.9)
Future net cash flows	\$ 125.5	\$ 93.2	\$ 74.1
Standardized measure of future net cash flows discounted at 10%	\$ 73.1	\$ 56.6	\$ 44.3

The following table sets out principal sources of change in the standardized measure of discounted future net cash flows during the respective periods:

	1989	1988	1987
	(millions of Canadian dollars)		
Sales of oil and gas and value of transfers	\$ (16.4)	\$(10.9)	\$(13.2)
Net changes in prices and production costs	14.0	(8.6)	1.3
Extensions, discoveries and improved recovery, less related costs	12.8	13.3	6.0
Purchase of reserves in place	8.6	10.6	
Development costs incurred during the period	1.4	0.3	0.2
Revisions of previous quantity estimates and other	0.8		11.3
Accretion of discount	7.9	6.8	5.5
Net changes in income taxes	(12.6)	0.8	0.1
Net increase	16.5	12.3	11.2
Beginning of period	56.6	44.3	33.1
End of period	\$ 73.1	\$ 56.6	\$ 44.3



## SELECTED FINANCIAL AND OPERATING DATA

(thousands of Canadian dollars except per share amounts and Stock Exchange quotations)

### Five Year Summary

*Long-term obligations, including capital leases, redeemable preferred stock and dividends are not applicable for the disclosed periods.*

	For the Years Ended December 31									
	1989		1988		1987		1986		1985	
<b>Revenue</b>										
Oil sales	\$ 15,041		\$ 9,108		\$10,239		\$ 7,772		\$13,224	
Gas sales	4,257		3,323		2,915		4,352		5,291	
Royalties	1,947		1,693		2,426		1,633		3,665	
Interest and other	157		1,024		1,406		1,308		1,475	
	<b>21,402</b>		<b>15,148</b>		<b>16,986</b>		<b>15,065</b>		<b>23,655</b>	
<b>Expenses</b>										
Production and administration	6,389		4,615		3,531		3,832		3,462	
Production revenue taxes							917		2,802	
Depreciation and depletion	8,983		7,507		5,385		5,652		5,172	
Financial expense	925		42		61		79		92	
Write-down of non-productive assets							1,341			
Income taxes	799		(643)		1,062		1,132		5,543	
	<b>17,096</b>		<b>11,521</b>		<b>10,039</b>		<b>12,953</b>		<b>17,071</b>	
<b>Net Earnings</b>	<b>\$ 4,306</b>		<b>\$ 3,627</b>		<b>\$ 6,947</b>		<b>\$ 2,112</b>		<b>\$ 6,584</b>	
<b>Cash Generated from Operations</b>	<b>\$ 15,711</b>		<b>\$13,536</b>		<b>\$14,680</b>		<b>\$11,046</b>		<b>\$15,463</b>	
<b>Capital Expenditures (i)</b>	<b>\$ 24,448</b>		<b>\$29,901</b>		<b>\$12,697</b>		<b>\$ 8,720</b>		<b>\$17,129</b>	
<b>Total Assets</b>	<b>\$110,008</b>		<b>\$99,137</b>		<b>\$93,585</b>		<b>\$83,413</b>		<b>\$82,455</b>	
<b>Production (before royalties)</b>										
Crude oil and natural gas liquids (barrels per day)	2,997		2,299		2,014		1,827		1,660	
Natural gas (mcf per day)	9,118		8,340		5,915		8,078		8,674	
<b>Common Shares</b>										
Issued and outstanding	7,846,076		7,846,076		7,846,076		7,846,076		7,846,076	
Number of shareholders	635		650		692		693		705	
Earnings per share	\$ 0.55		\$ 0.46		\$ 0.89		\$ 0.27		\$ 0.84	
<b>Market Prices</b>										
American Stock Exchange (U.S. \$)										
	<b>High</b>	<b>Low</b>	<b>High</b>	<b>Low</b>	<b>High</b>	<b>Low</b>	<b>High</b>	<b>Low</b>	<b>High</b>	<b>Low</b>
1st Quarter	6½	5¾	7½	4¾	7¾	6	5¾	3¾	6¾	6
2nd Quarter	6¾	6	7¾	5¾	7½	6½	5¾	4¾	7¾	5¾
3rd Quarter	7¾	6¾	6¾	5¾	9¾	6¾	5¾	4	7	6
4th Quarter	8¾	7½	5¾	5	7¾	4¾	6½	4¾	6¾	5½
Toronto Stock Exchange (Cdn. \$)										
	<b>High</b>	<b>Low</b>	<b>High</b>	<b>Low</b>	<b>High</b>	<b>Low</b>	<b>High</b>	<b>Low</b>	<b>High</b>	<b>Low</b>
1st Quarter	7½	6¾	8¼	6¾	9½	8	7½	6¾	9¼	8½
2nd Quarter	8¼	7½	8½	7½	9½	8¾	8	6¼	10¼	7¾
3rd Quarter	8¾	8	7¾	7	12	9	7½	6¼	9¾	8¾
4th Quarter	9¾	8¾	7¼	6¼	10	6½	8¾	7	8½	7¾

(i) Capital expenditures are net of government incentive payments earned.

## CORPORATE INFORMATION

**Board of Directors**

BARRY D. COCHRANE\*, Calgary, Alberta  
Executive Vice-President and  
Chief Operating Officer  
Norcen Energy Resources Limited

NORMAN E. FROST\*, Calgary, Alberta  
President  
CanStates Gas Marketing

EDWARD A. GALVIN\*, Calgary, Alberta  
Chairman of the Board  
Poco Petroleum Ltd.

FREDERICK A. McKINNON\*, Calgary, Alberta  
Company Director

WAYNE M. NEWHOUSE, Calgary, Alberta  
Senior Vice-President, Production  
Norcen Energy Resources Limited

PAUL H. PALMER, Calgary, Alberta  
Senior Vice-President and  
Chief Financial Officer  
Norcen Energy Resources Limited

CLIFFORD A. RAE, Q.C., Calgary, Alberta  
Barrister and Solicitor

DAVID M. TYERMAN, Q.C., Regina, Saskatchewan  
Barrister and Solicitor  
MacPherson, Leslie & Tyerman

\*Member of the Audit Committee



**Corporate Officers**

BARRY D. COCHRANE, Chairman of the Board  
WAYNE M. NEWHOUSE, President  
D. K. BRUCE FENWICK, Vice-President, Exploration  
WILLIAM T. KILBOURNE, Vice-President, Legal  
J. GERHARD SCHOPP, Vice-President, Operations  
GORDON B. SINGER, Vice-President, Comptroller  
DAVID M. TYERMAN, Q.C., Secretary  
D. STEPHEN MUIR, Treasurer  
ROBERT J. BREEN, Assistant Treasurer  
DONNA M. BARBER, Assistant Secretary  
LINDA G. SWAN, Assistant Secretary

**Executive Office**

715 Fifth Avenue Southwest  
Calgary, Alberta T2P 2X7

**Registered Office**

1500 Continental Bank Building  
1874 Scarth Street  
Regina, Saskatchewan S4P 4E9

**Registrars and Transfer Agents**

Montreal Trust Company of Canada  
Regina, Saskatchewan and Toronto, Ontario  
First Chicago Trust Company of New York  
New York, U.S.A.

**Auditors**

Peat Marwick Thorne  
Calgary, Alberta

**Stock Exchange Listings**

(Symbol — POY)  
Toronto Stock Exchange  
American Stock Exchange, Inc.

**FORM 10-K**

Copies of the Annual Report on Form 10-K filed with the Securities and Exchange Commission of the United States are available to Shareholders by writing to the Corporate Secretary of the Company.

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# Prairie

**Oil Royalties Company, Ltd.**

715 FIFTH AVENUE SOUTHWEST  
CALGARY, ALBERTA T2P 2X7