

Section XI: Appendices

APPENDIX I: OIL INDUSTRY ACTIVITY AND OIL PRODUCTION ROYALTIES IN SASKATCHEWAN, 1975-2000 (Monetary Amounts Shown in Current Dollars)

<u>Year</u>	<u>Price of Oil</u> (net \$/meter ³)	<u>Oil Drilling</u> (new wells)	<u>Volume of Sales</u> (cubic meters)	<u>Value of Sales</u> (net dollars)	<u>Prod. Royalties</u> (dollars)	<u>Effective Royalty</u> (dollars/cubic meter)	<u>Royalty Rate</u> (per cent)
1975	\$ 43.05	105	9,382,740	\$ 403,907,675	\$199,891,756	\$21.30	49.49%
1976	\$ 49.66	146	8,894,016	\$ 441,692,772	\$183,713,732	\$20.66	41.59%
1977	\$ 59.22	342	9,734,366	\$ 576,459,293	\$218,317,505	\$22.43	37.87%
1978	\$ 71.27	721	9,623,333	\$ 685,824,036	\$267,769,247	\$27.83	39.04%
1979	\$ 77.41	935	9,362,205	\$ 724,706,658	\$359,957,584	\$38.45	49.67%
1980	\$ 92.37	1,068	9,313,094	\$ 860,217,108	\$386,014,992	\$41.45	44.87%
1981	\$110.44	541	7,409,153	\$ 818,247,751	\$333,859,653	\$45.06	40.80%
1982	\$145.87	685	8,128,176	\$1,185,627,621	\$736,626,565	\$90.63	62.13%
1983	\$172.82	1,333	9,525,593	\$1,646,184,947	\$567,896,912	\$59.62	34.50%
1984	\$173.13	2,129	10,758,420	\$1,862,590,400	\$603,045,712	\$56.05	32.38%
1985	\$194.22	2,766	11,540,923	\$2,241,450,754	\$613,378,645	\$53.14	27.37%
1986	\$ 98.93	772	11,706,129	\$1,158,119,534	\$238,815,876	\$20.40	20.62%
1987	\$124.35	713	12,064,258	\$1,500,231,079	\$291,514,823	\$24.16	19.43%
1988	\$ 83.94	1,015	12,242,407	\$1,027,582,865	\$170,780,468	\$13.95	16.62%
1989	\$106.19	307	11,626,032	\$1,234,573,414	\$177,127,145	\$15.24	14.35%
1990	\$131.61	538	12,226,004	\$1,609,037,090	\$240,657,567	\$19.68	14.96%
1991	\$ 95.37	478	12,415,109	\$1,184,048,282	\$205,983,593	\$16.59	17.40%
1992	\$105.27	489	13,323,870	\$1,402,570,663	\$210,080,436	\$15.77	14.98%
1993	\$ 98.29	977	14,979,262	\$1,472,375,278	\$224,394,456	\$14.98	15.24%
1994	\$109.22	1,072	17,193,933	\$1,877,935,494	\$252,763,029	\$14.70	13.46%
1995	\$122.31	1,398	18,736,530	\$2,291,733,989	\$341,655,272	\$18.23	14.91%
1996	\$148.27	1,842	20,940,522	\$3,104,916,857	\$461,244,599	\$22.03	14.86%
1997	\$122.34	2,681	23,439,802	\$2,867,541,919	\$471,669,748	\$20.12	16.45%
1998	\$ 83.58	729	23,215,360	\$1,940,394,744	\$234,643,830	\$10.11	12.09%
1999	\$140.70	1,118	21,735,435	\$3,058,202,193	\$400,439,207	\$18.42	13.09%
2000	\$207.69	1,972	24,237,089	\$5,033,875,734	\$761,922,816	\$31.44	15.14%

APPENDIX II: GAS INDUSTRY ACTIVITY AND GAS PRODUCTION ROYALTIES IN SASKATCHEWAN, 1975-2000

(Monetary Amounts Shown in Current Dollars)

<u>Year</u>	<u>Price of Gas</u> (\$/10 ³ meter ³)	<u>Gas Drilling</u> (new wells)	<u>Volume of Sales</u> (10 ³ cubic meters)	<u>Value of Sales</u> (gross dollars)	<u>Prod. Royalties</u> (dollars)	<u>Effective Royalty</u> (dollars/10 ³ m ³)	<u>Royalty Rate</u> (per cent)
1975	\$ 5.68	81	1,588,951	\$ 9,032,826	\$ 838,910	\$ 0.53	9.29%
1976	\$ 6.97	25	1,530,872	\$ 10,666,729	\$ 849,751	\$ 0.56	7.97%
1977	\$ 10.21	65	1,268,982	\$ 12,957,162	\$ 697,511	\$ 0.55	5.38%
1978	\$ 14.20	39	1,189,035	\$ 16,882,426	\$ 693,389	\$ 0.58	4.11%
1979	\$ 14.63	25	1,177,957	\$ 17,231,180	\$ 619,264	\$ 0.53	3.59%
1980	\$ 16.40	64	1,196,896	\$ 19,628,096	\$ 678,359	\$ 0.57	3.46%
1981	\$ 16.55	21	1,191,312	\$ 19,719,924	\$ 711,711	\$ 0.60	3.61%
1982	\$ 19.06	13	1,272,435	\$ 24,257,490	\$ 714,801	\$ 0.56	2.95%
1983	\$ 38.19	186	1,314,291	\$ 50,170,734	\$ 2,611,203	\$ 1.97	5.20%
1984	\$ 50.79	419	1,744,178	\$ 88,589,999	\$ 7,157,163	\$ 4.10	8.08%
1985	\$ 60.13	462	1,990,529	\$ 119,689,387	\$ 10,192,860	\$ 5.12	8.52%
1986	\$ 71.98	266	2,367,995	\$ 170,445,630	\$ 19,264,442	\$ 8.14	11.30%
1987	\$ 61.43	493	2,711,985	\$ 166,597,713	\$ 24,192,441	\$ 8.92	14.52%
1988	\$ 51.85	710	3,991,768	\$ 206,956,329	\$ 26,760,206	\$ 6.70	12.93%
1989	\$ 52.66	931	5,586,647	\$ 294,219,070	\$ 39,915,133	\$ 7.14	13.57%
1990	\$ 56.91	509	6,318,693	\$ 359,619,826	\$ 43,264,939	\$ 6.85	9.35%
1991	\$ 57.27	426	6,633,017	\$ 379,882,311	\$ 50,299,752	\$ 7.58	13.24%
1992	\$ 51.39	181	6,780,237	\$ 348,415,761	\$ 32,586,899	\$ 4.81	9.35%
1993	\$ 56.35	881	6,881,285	\$ 387,787,407	\$ 38,998,528	\$ 5.67	10.06%
1994	\$ 69.70	849	7,565,306	\$ 527,332,038	\$ 69,331,321	\$ 9.16	13.15%
1995	\$ 48.09	179	7,777,460	\$ 374,034,400	\$ 40,715,848	\$ 5.24	10.89%
1996	\$ 56.87	320	6,776,447	\$ 385,367,028	\$ 34,916,565	\$ 5.15	9.06%
1997	\$ 66.78	272	6,507,440	\$ 434,543,113	\$ 59,121,798	\$ 9.09	13.61%
1998	\$ 73.92	536	6,236,383	\$ 461,019,653	\$ 55,828,635	\$ 8.95	12.11%
1999	\$ 99.10	971	6,548,147	\$ 648,889,484	\$ 86,818,266	\$13.26	13.38%
2000	\$168.61	1,143	6,849,500	\$1,154,925,622	\$144,037,084	\$21.03	12.47%

APPENDIX III: OIL AND GAS INDUSTRY ACTIVITY AND AGGREGATE ROYALTIES IN SASKATCHEWAN, 1975-2000

(Monetary Amounts Shown in Current Dollars)

<u>Year</u>	<u>Oil and Gas Drilling</u> (new wells)	<u>Value of Oil and Gas Sales</u> (dollars)	<u>Production Royalties</u> (dollars)	<u>Access Royalties</u> (dollars)	<u>Aggregate Royalties</u> (dollars)	<u>Aggregate Royalty Rate</u> (per cent)
1975	186	\$ 412,940,501	\$200,730,666	\$ 3,322,266	\$204,052,932	49.41%
1976	171	\$ 452,359,501	\$184,563,483	\$ 12,465,268	\$197,028,751	43.56%
1977	407	\$ 589,416,455	\$219,015,016	\$ 14,161,062	\$233,176,078	39.56%
1978	760	\$ 702,706,462	\$268,462,636	\$ 26,183,841	\$294,646,477	41.93%
1979	960	\$ 741,937,838	\$360,576,848	\$ 55,294,935	\$415,871,783	56.05%
1980	1,132	\$ 879,845,204	\$386,693,351	\$ 82,958,679	\$469,652,030	53.38%
1981	562	\$ 837,967,675	\$334,571,364	\$ 41,413,565	\$375,984,929	44.87%
1982	698	<i>\$1,209,885,111</i>	<i>\$737,341,366</i>	<i>\$ 38,213,771</i>	<i>\$775,555,137</i>	<i>64.10%</i>
1983	1,519	\$1,696,355,681	\$570,508,115	\$112,124,547	\$682,632,662	40.24%
1984	2,548	\$1,951,180,399	\$610,202,875	\$127,833,059	\$738,035,934	37.83%
1985	3,228	\$2,361,140,141	\$623,571,505	\$153,534,976	\$777,106,481	32.91%
1986	1,038	\$1,328,565,164	\$258,080,318	\$ 22,656,062	\$280,736,380	21.13%
1987	1,206	\$1,666,828,792	\$315,707,264	\$ 64,708,862	\$380,416,126	22.82%
1988	1,725	\$1,234,539,194	\$197,540,674	\$ 37,027,352	\$234,568,026	19.00%
1989	1,238	\$1,528,792,484	\$217,042,278	\$ 43,775,574	\$260,817,852	17.06%
1990	1,047	\$1,968,656,916	\$283,922,506	\$ 39,695,435	\$323,617,941	16.44%
1991	<i>904</i>	<i>\$1,563,930,593</i>	<i>\$256,283,345</i>	<i>\$ 26,497,054</i>	<i>\$282,780,399</i>	<i>18.08%</i>
1992	670	\$1,750,986,424	\$242,667,335	\$ 21,972,500	\$264,639,835	15.11%
1993	1,858	\$1,860,162,685	\$263,392,984	\$ 93,169,182	\$356,562,166	19.17%
1994	1,921	\$2,405,267,532	\$322,094,350	\$211,110,815	\$533,205,165	22.17%
1995	1,577	\$2,665,768,389	\$382,371,120	\$ 79,274,956	\$461,646,076	17.32%
1996	2,162	\$3,490,283,885	\$496,161,164	\$137,117,599	\$633,278,763	18.14%
1997	2,953	\$3,302,085,032	\$530,791,546	\$147,642,178	\$678,433,724	20.55%
1998	1,265	\$2,401,414,397	\$290,472,465	\$ 71,081,244	\$361,553,709	15.06%
1999	2,089	\$3,707,091,677	\$487,257,473	\$ 62,293,758	\$549,551,231	14.82%
2000	3,115	\$6,188,801,356	\$905,959,900	\$ 64,516,907	\$970,476,807	15.68%

NOTES ON APPENDICES

All tables cited below are contained in Saskatchewan Industry and Resources, *Mineral Statistics Yearbook 2000* (Regina: Government of Saskatchewan, 2002).

Year refers to the calendar year. Data corresponding to years in which the governing party and Premier of Saskatchewan changed is shown in italics.

Price of Oil is the mean sale price of a cubic meter of Saskatchewan crude oil minus the cost of transporting it to the point of sale (Table 2-1-4).

Price of Gas is the mean gross price of a thousand cubic meters of Saskatchewan natural gas, which is slightly higher than the fieldgate price. The gross price is used throughout because fieldgate prices are not available for the period before 1996 (Table 2-2-6 for 1975-1995 and Table 2-2-9 [“Grand Total Sales” + “Raw Assoc. Sales”] for 1996-2000).

Drilling is the number of exploratory and development wells completed in Saskatchewan (Table 5-2-1).

Volume of Sales is the quantity of crude oil sold in cubic meters or the quantity of natural gas sold in thousands of cubic meters (Table 2-1-4 for oil, and Tables 2-2-6 and 2-2-9 [“Grand Total Sales” + “Raw Assoc. Sales”] for gas).

Value of Sales is the net value of Saskatchewan crude oil sales or the gross value of Saskatchewan natural gas sales (Table 2-1-4 for oil, and Tables 2-2-6 and 2-2-9 [“Grand Total Sales” + “Raw Assoc. Sales”] for gas).

Prod. Royalties are Government of Saskatchewan revenues from production royalties (i.e. crown royalties and freehold production taxes). For oil, this figure also includes provincial revenues from the oil export tax from 1982 through 1985. In Appendix III, **Production Royalties** combines the **Prod. Royalties** figures for oil and gas (Table 1-1-5).

Effective Royalty is the mean value of production royalties collected per cubic meter of crude oil sold or per thousand cubic meters of natural gas sold. For either commodity, this figure equals **Prod. Royalties** divided by **Volume of Sales**.

Royalty Rate expresses crown royalties, freehold production taxes, and the oil export tax as a proportion of Saskatchewan’s crude oil or natural gas sales. For either oil or gas, it equals **Prod. Royalties** as a percentage of **Value of Sales**. This is conceptually the same expressing **Effective Royalty** as a percentage of **Price of Oil** or **Price of Gas**, but may be slightly different due to rounding.

Access Royalties are Government of Saskatchewan revenue from oil and gas rentals and bonus bids (Table 1-1-5).

Aggregate Royalties are Government of Saskatchewan revenue from crown royalties, the freehold production tax, the oil export tax, rentals, and bonus bids. It is the sum of **Production Royalties** and **Access Royalties**.

Aggregate Royalty Rate expresses crown royalties, the freehold production tax, the oil export tax, rentals, and bonus bids as a proportion of Saskatchewan’s crude oil and natural gas sales. It equals **Aggregate Royalties** as a percentage of **Value of Oil and Gas Sales**.