

NP--4901749

MINERAL REVENUES: THE 1983 REPORT ON RECEIPTS FROM FEDERAL AND INDIAN LEASES

WITH SUMMARY DATA FROM 1920 TO 1983

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U.S. DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE

ROYALTY MANAGEMENT PROGRAM

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U.S. DEPARTMENT OF THE INTERIOR

WILLIAM P. CLARK, Secretary



MINERALS MANAGEMENT SERVICE

William D. Bettenberg, Director

ACKNOWLEDGMENTS:

This report was prepared with the assistance of Walter Harris, Marilyn Johnson, and Bruce McFarlane; and edited and designed by Patrice La Liberté—all of the Royalty Management Program, Minerals Management Service.

Special thanks are also due to Jane Timmins and Susan Kingsbury, of the U.S. Geological Survey, and to Donal Ziehl, of the Bureau of Land Management.

Note: Some information in this report necessarily includes estimated data that may either be revised or corrected subsequent to publication.

U.S. Government Printing Office / 1984
Washington, D.C. 20402

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FOREWORD

For the third year the Minerals Management Service is pleased to bring you Mineral Revenues, a report on revenues collected and distributed from Federal and Indian mineral leases.

As the pages of our publication clearly show, mineral revenues from Federal and Indian lands are subject to the same economic vagaries that affect the whole minerals extraction industry. While overall revenues increased by more than \$1 billion from 1982, royalty collections were reduced in 1983 by about \$452 million, reflecting modest declines in oil prices and somewhat sharper declines in gas production.

The highlight of 1983 was the accomplishment of the first areawide sales under the 5-Year OCS Leasing Program. The highly successful Gulf of Mexico offerings accounted for a substantial increase in OCS bonus receipts.

The renovation begun in October 1980 of the Royalty Management Program continues in the Minerals Management Service. Each month measurable progress is made toward our goal of assuring the American public that all mineral revenues due and owing from Federal and Indian lands have been properly collected, accounted for, and distributed to the recipients designated by law. It is a large job; a job requiring continued dedication on the part of the more than 500 employees who now make up the Royalty Management Program.



William D. Bettenberg
Director



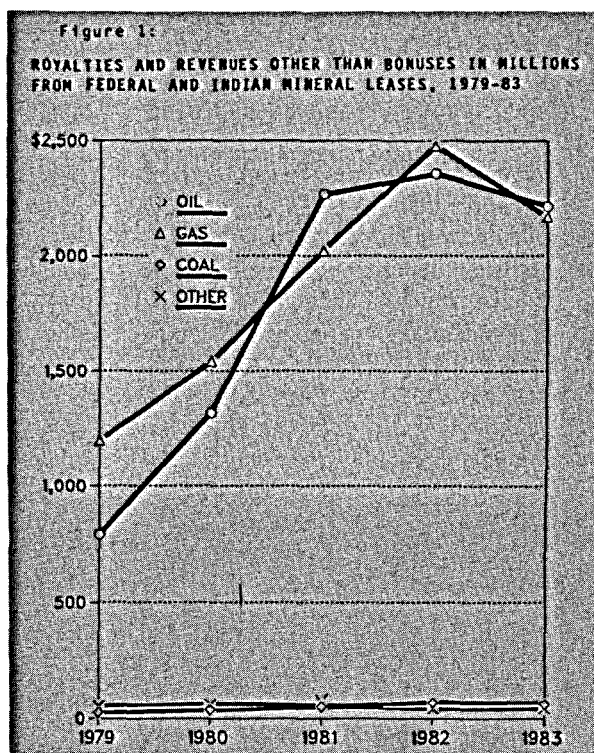
MINERAL REVENUE MANAGEMENT IN 1983

The year was one of dramatic change for the Federal Government's management of revenues from Federal and Indian lands. Many of the provisions of the Federal Oil and Gas Royalty Management Act of 1982 (FOGRMA) took effect during 1983, including the provisions for monthly payments of royalties to those States that share Federal onshore revenues. Additionally, the Act requires that detailed information by lease be made available to each State and Indian Tribe that receives royalty revenues.

During 1983 the Royalty Management Program's efforts to audit royalty payors continued: \$28.2 million in royalty revenue was recovered as a result of these audits, with the continuing cooperative effort with the States providing \$9.8 million of the total. This brings the cumulative collection of underpaid and unpaid royalties to \$86.1 million in a little more than 2 years.

In February the Secretary of the Interior dedicated the new fiscal accounting system for royalties, the Auditing and Financial System (AFS). By yearend this system was processing over \$3 billion in annual royalty revenues. Also at yearend, its companion system for tracking production from Federal and Indian leases, the Production Accounting and Auditing System (PAAS), was being tested through a cooperative effort with 14 companies who volunteered to report data in the new PAAS report format. Thus Royalty Management was able to start trying out the new system on real rather than test data.

Development of a third system, the Bonus and Rental Accounting Support System (BRASS), was also in process at the end of 1983. BRASS accommodates the Secretarial decision to shift the collection of onshore rentals on nonproducing leases from the Bureau of Land Management to the Minerals Management Service.



Hence, at the close of 1983, the Department had well underway all its major efforts for overhauling the Federal royalty management process.

In this third annual statistical report we update summary tabulations of all royalty collections from Federal mineral leases in the offshore lands (Table 5) and in the onshore lands (Table 11), as well as those from the Indian mineral leases in the Indian lands (Table 14). We also break out from the Federal revenues a detailed account of the royalty-in-kind program (Table 18).

Outer Continental Shelf (OCS) lease bonuses received during 1983 amounted to \$5.749 billion. Again, this reflects industry's intense interest in offshore oil and gas development and in the Department's expanded offshore leasing program (Table 9). The lease offering in the Central OCS area of the Gulf of Mexico brought in \$3.367 billion alone—nearly as much as for all OCS areas in 1982.

Onshore leasing declined somewhat from 1982 levels. But the 601 competitive leases that were issued generated over \$62 million in bonus bids. Of these, 505 were oil and gas leases, 85 geothermal, and 11 coal (Table 12). Another 12,349 leases were issued non-competitively. All told, the Department of the Interior had more than 152,000 mineral leases, licenses, and permits under supervi-

Table 1-a:

1983 MINERAL REVENUES FROM FEDERAL AND INDIAN MINERAL LEASES IN THE UNITED STATES

OFFSHORE FEDERAL LANDS:

Royalties	\$ 3,375,688,165
Rents	36,731,001
Bonuses	5,749,016,369
OFFSHORE RECEIPTS:	\$ 9,161,435,535

ONSHORE FEDERAL LANDS:

Royalties	\$ 967,851,047
Rents	129,511,928
Bonuses	62,108,205*
ONSHORE RECEIPTS:	\$ 1,159,471,180

INDIAN TRIBAL LANDS & ALLOTMENTS:

Royalties	\$ 156,127,450
Rents	3,621,550
Bonuses	15,418,356*
INDIAN RECEIPTS:	\$ 175,167,356

TOTAL RECEIPTS: \$10,496,074,071

(TOTAL ROYALTIES: \$4,499,666,662
TOTAL RENTS: \$ 169,864,479
TOTAL BONUSES: \$5,826,542,930)

*Fiscal year data from Public Land Statistics, 1983 and other Bureau of Land Management records.

Table 1-b:

1983 DISBURSEMENTS OF MINERAL REVENUES FROM FEDERAL AND INDIAN MINERAL LEASES IN THE UNITED STATES**OFFSHORE FEDERAL RECEIPTS:**

Historic Preservation Fund	\$ 150,000,000*
Land & Water Conservation Fund	814,693,040*
U.S. Treasury	7,763,568,895
Windfall Profit Tax	433,173,600
SUBTOTAL:	\$ 9,161,435,535

ONSHORE FEDERAL RECEIPTS:

Reclamation Fund	\$ 350,978,246**
State Shares (26 States in 1983)	454,359,341**
U.S. Treasury	222,689,893
Windfall Profit Tax	131,443,700
SUBTOTAL:	\$ 1,159,471,180

INDIAN RECEIPTS:

To Tribes & Allottees	\$ 175,167,356
SUBTOTAL:	\$ 175,167,356
TOTAL:	\$10,496,074,071

*Fiscal year data reflect prescribed transfers by the Minerals Management Service to U.S. Treasury accounts maintained for these funds.

**Fiscal year data from Public Land Statistics, 1983, Bureau of Land Management, and a variety of other sources.

NOTE: All revenues from mineral leases on Indian tribal lands (list, page 39) or allotments go directly to the respective owners.

See Table 16 for distribution of the 1983 State shares.

sion in the onshore Federal and Indian lands as of December 31, 1983 (Table 23).

State revenues from onshore Federal leases decreased 25 percent, from \$609.7 million in calendar 1982 to \$454.4 million in calendar 1983 (Table 16). Indian tribal and allottee royalties decreased from \$162.7 million to \$156.1 million during that same period (Table 14, page 46). Nevertheless, mineral leasing revenues continued to be an important source of revenue to State and Indian governments.

Oil and natural gas were the most significant commodities extracted from Federal and Indian lands, as in all previous years. DOI managed 20,717 producible oil and gas leases, which yielded 511 million barrels of crude oil and 5.0 trillion cubic feet of natural gas— together worth more than \$28.6 billion (Tables 2 & 19). Production of these two commodities represented 30.6 percent of the natural gas and 16.2 percent of the crude oil produced in the United States during the year (Table 25).

1983 was a depressed year for the minerals industry with better than 22 percent of the total U.S. exploration and production capacity dormant because of sluggish demand and continuing world-wide surpluses. However, continuing interest in both onshore and offshore leasing gives evidence of industry's commitment to development of the Nation's own energy resources.

4 : OVERVIEW OF MINERAL REVENUES

Table 2:

SUMMARY OF ROYALTY REVENUES COLLECTED FROM FEDERAL AND INDIAN MINERAL LEASES IN

	1920-79			1980			1981		
	Volume	Value	Revenues	Volume	Value	Revenues	Volume	Value	Revenues
OIL PRODUCTION									
Federal Lands	11,383	\$47,852	\$7,207	427	\$8,419	\$1,251	445	\$14,580	\$2,111
Indian Lands	1,087	3,720	511	22	449	67	22	705	111
All Lands	12,470	\$51,572	\$7,718	449	\$8,868	\$1,318	467	\$15,285	\$2,222
GAS PRODUCTION									
Federal Lands	67,575	\$27,515	\$4,205	5,672	\$9,607	\$1,511	5,933	\$12,689	\$1,991
Indian Lands	2,901	856	114	115	220	31	119	268	41
All Lands	70,476	\$28,371	\$4,319	5,787	\$9,827	\$1,542	6,052	\$12,957	\$2,032
COAL PRODUCTION									
Federal Lands	568	\$ 3,670	\$ 95	69	\$ 855	\$ 32	116	\$ 1,470	\$ 47
Indian Lands	181	880	45	24	249	\$ 8	22	265	\$ 9
All Lands	749	\$ 4,550	\$ 140	93	\$1,104	\$ 40	138	\$ 1,735	\$ 56
OTHER PRODUCTION*									
Federal Lands	N/A	\$ 9,333	\$ 504	N/A	\$ 936	\$ 48	N/A	\$ 883	\$ 47
Indian Lands	N/A	1,319	139	N/A	84	13	N/A	99	10
All Lands	N/A	\$10,652	\$ 643	N/A	\$1,020	\$ 61	N/A	\$ 982	\$ 57

* **OTHER PRODUCTION** includes the following solid and fluid minerals: barite, bentonite, carbon dioxide, chat, clay, copper, feldspar, fluorspar, gas lost, gasoline & LPG, geothermal energy, gilsonite, gypsum, iron ore, lead, limestone, molybdenum, oil lost, oil shale, phosphate, potash, quartz crystals, salt, sand-gravel, silica sand, sodium, sulfur, uranium, wavelite, and zinc. Certain of these minerals are summarized in Tables 3 and 4.

NOTE: Data are rounded: dollars in millions for both market value and revenues, oil in millions of barrels (42 U.S. gallons), gas in millions of Mcf (thousand cubic feet), coal in millions of short tons (#2,000).

SOURCE: U.S. Geological Survey and Minerals Management Service, Department of the Interior.

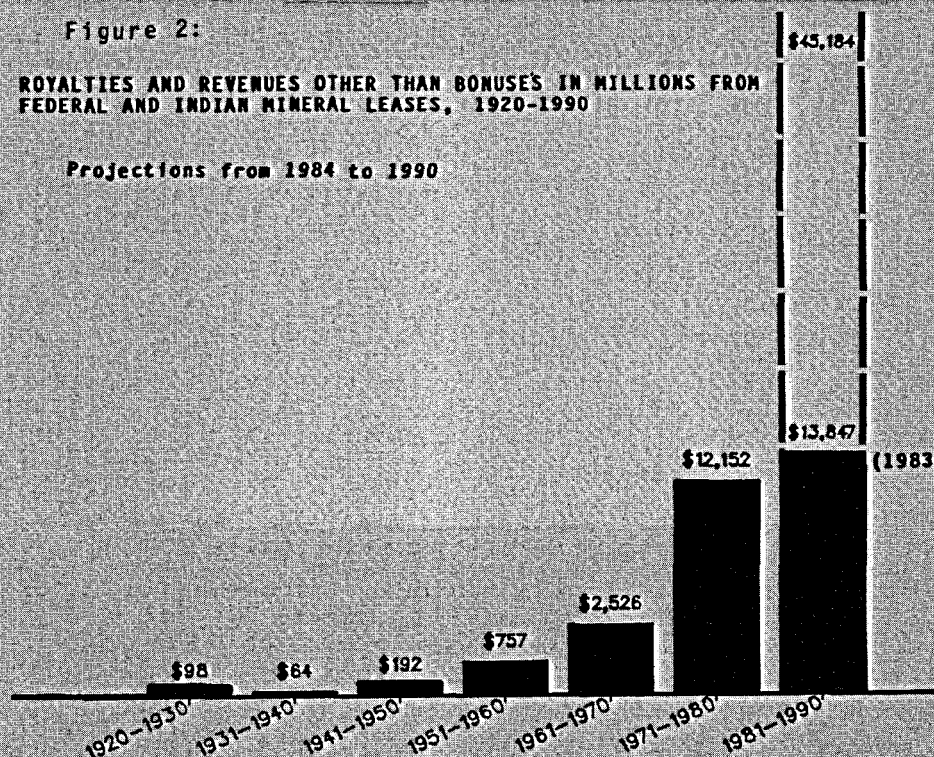
THE UNITED STATES, 1920-83

1982			1983			1920-83			
Volume	Value	Revenues	Volume	Value	Revenues	Volume	Value	Revenues	
471	\$14,425	\$2,265	491	\$14,142	\$2,127	13,217	\$ 99,418	\$15,030	OIL PRODUCTION
20	612	92	20	598	90	1,171	6,084	864	Federal Lands
491	\$15,037	\$2,357	511	\$14,740	\$2,217	14,388	\$105,502	\$15,894	Indian Lands
									All Lands
5,841	\$15,201	\$2,424	4,926	\$13,787	\$2,120	89,947	\$ 78,799	\$12,247	GAS PRODUCTION
133	375	54	118	355	51	3,386	2,074	287	Federal Lands
5,974	\$15,576	\$2,478	5,044	\$14,142	\$2,171	93,333	\$ 80,873	\$12,534	Indian Lands
									All Lands
101	\$1,521	\$ 61	105	\$ 1,550	\$ 56	959	\$ 9,066	\$ 287	COAL PRODUCTION
29	409	9	29	478	9	285	2,281	80	Federal Lands
130	\$1,930	\$ 70	134	\$ 2,028	\$ 65	1,244	\$11,347	\$ 367	Indian Lands
									All Lands
N/A	\$ 888	\$ 37	N/A	\$ 739	\$ 40	N/A	\$12,779	\$ 672	OTHER PRODUCTION *
N/A	60	7	N/A	79	6	N/A	1,641	177	Federal Lands
N/A	\$ 948	\$ 44	N/A	\$ 818	\$ 46	N/A	\$14,420	\$ 849	Indian Lands
									All Lands

Figure 2:

ROYALTIES AND REVENUES OTHER THAN BONUSES IN MILLIONS FROM
FEDERAL AND INDIAN MINERAL LEASES, 1920-1990

Projections from 1984 to 1990



6 : OVERVIEW OF MINERAL REVENUES

Table 3: 1983 VOLUME, VALUE, ROYALTIES AND OTHER REVENUES FROM SELECTED SOLID MINERALS OTHER THAN COAL FROM FEDERAL AND INDIAN LEASES

	VOLUME IN TONS	MARKET VALUE	REVENUES RECEIVED
Sodium	4,209,628	\$207,935,306	\$ 9,850,697
Potash	3,094,286	195,411,233	6,607,154
Lead	493,943	59,101,000	2,951,458
Uranium	460,866*	59,000,813	8,612,862
Zinc	145,362	31,263,384	1,560,541
Phosphate	1,802,969	21,677,590	1,086,961
Copper	11,135	2,099,703	104,985
T O T A L :			\$576,489,029
			\$30,774,658

*Weight of unprocessed ore at primary point of delivery.

Table 4: SUMMARY OF VOLUME, VALUE, ROYALTIES AND OTHER REVENUES FROM SELECTED MINERALS FROM FEDERAL AND INDIAN LEASES, 1920-83

	PRODUCTION VOLUME	MARKET VALUE	REVENUES RECEIVED
FLUID MINERALS:			
Gasoline & LPG	33,258,261,498 gal.	\$ 3,473,436,017	\$217,458,897
Sulfur	18,626,616 t.	411,806,509	46,034,990
Salt	4,765,679 t.	1,494,712	235,150
Carbon Dioxide	11,834,353 Mcf.	2,352,606	242,523
Oil Lost	213,203 bbl.	2,231,170	272,482
Gas Lost	162,608,340 Mcf.	112,140,965	16,338,305
Geothermal*	2,454,667,260 kWh.	56,275,862	7,032,416
Hot Water*	26,638,200 gal.	409,896	40,991
SOLID MINERALS:			
Copper	381,508 t.	181,999,546	13,438,988
Fluorspar	322,423 t.	20,678,370	832,145
Lead	11,458,012 t.	1,789,608,625	92,165,212
Limestone	3,620,612 t.	5,709,780	296,921
Phosphate	116,582,593 t.	587,470,463	38,493,863
Potash	131,669,551 t.	3,769,318,582	151,845,210
Sand-Gravel	144,809,335 t.	154,681,969	12,989,770
Sodium	70,117,614 t.	2,792,920,809	127,160,901
Uranium	34,334,199 t.	737,533,508	104,164,549
Zinc	1,397,114 t.	271,522,287	12,560,744
Miscellany	20,345,148 t.	90,488,411	5,797,155
T O T A L :			\$14,462,080,087
			\$847,401,212

*Energy extracted from geothermal or heated water sources is measured in terms of Btu's, but is accounted for commercially in kilowatt hours or gallons.

NOTE: "Miscellany" also includes certain other minerals footnoted in Table 2.

Pulling pipe on the OCS. ◊

Courtesy of Conoco, Inc.



OFFSHORE FEDERAL MINERAL REVENUES

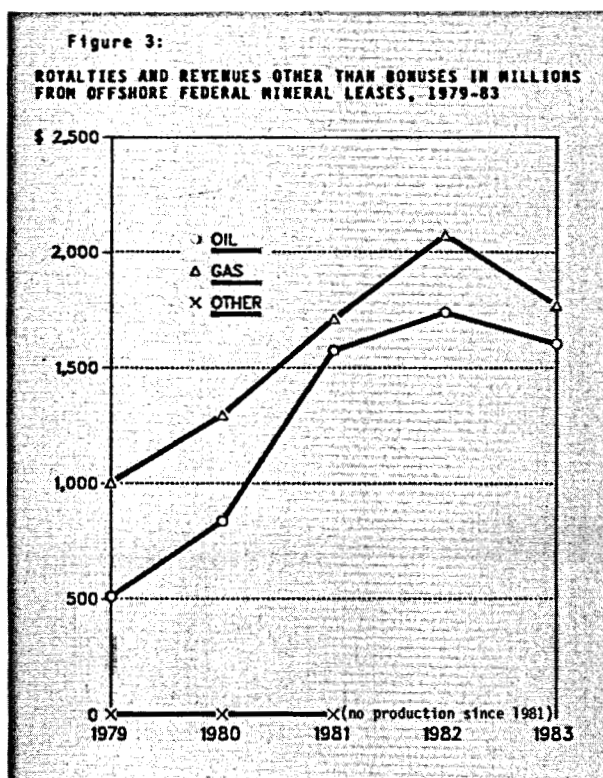
Offshore oil and gas bonuses and royalties provided the majority of Federal mineral leasing revenues again in 1983. The Department held 7 new lease sales and the second phase of the last 1982 sale, resulting altogether in \$5.749 billion in lease bonuses paid and 1,251 new leases issued. At the end of the year, there were 3,787 active oil and gas leases on the Outer Continental Shelf (Table 22) and more than one-third were in production. These 1,381 leases yielded 341 million barrels of oil (up 6.2 percent from 1982), 3.9 trillion cubic feet of natural gas (down 15.8 percent from the previous year), and \$3.4 billion in rental and royalty income. Gas output remained depressed as production continued to fall throughout the year. In 1983, 10 percent of the oil and 24 percent of the gas produced in the United States came from Federal OCS leases.

Revenues from Federal offshore oil and gas production now represent 72 percent of all oil royalties and 82 percent of all gas royalties. These revenues are expected to increase as the Department's leasing initiatives accelerate development of new fields over the next decade.

As the accelerated 5-year program completed its second year, expanded leasing continued to show results on the California OCS, although at a slower pace. Oil production increased from 28 to 30 million barrels during the past year. Market value increased proportionately, from \$679 million to \$709 million. Oil royalties were up slightly--1.3 percent. For gas there was a substantial increase in royalties--up 56 percent, to \$17.1 from

\$10.9 million for the area. Gas production increased also--from 17.7 to 23.2 million Mcf. Moreover, market value climbed from \$41 to \$66 million because of gas price increases. Revenues were up 4.9 percent overall--from \$171.9 to \$180.2 million for oil and gas (Table 7).

In spite of lower demands for both oil and gas, 1983 was a good year for offshore oil and gas because it was a year highlighted by the first effects of the Department's new areawide program for the OCS. Additional discoveries in the offshore California waters further enhanced that area's potential



as a major source of oil and gas reserves through the end of the century.

The Central Gulf of Mexico sale on May 25 sparked industry's largest response ever to a single offshore sale since passage of the OCS Lands Act of 1953. The 7,050 tract offering equalled the entire number offered during the

22-1/2 years between October 13, 1954, and April 13, 1976. The May sale brought in \$3,367,606,134 in bonus monies alone. Altogether, the 1983 offerings in the Alaska, Atlantic, Gulf, and Pacific OCS resulted in \$5.7 billion in bonuses for the U.S. Treasury and 6.6 million acres leased to the minerals industry (Tables 9 & 10).



*Semisubmersible rig in Gulf waters.
Courtesy of Zapata Corporation.*

10 : OFFSHORE MINERAL REVENUES

Table 5:

1983 VOLUME, VALUE, ROYALTIES AND OTHER REVENUES FROM OFFSHORE FEDERAL MINERAL LEASES BY OCS AREA AND COMMODITY

	OIL IN BARRELS/GAS IN MCF		REVENUES
	Volume	Market Value	RECEIVED
OFFSHORE CALIFORNIA			
Oil	30,169,217	\$ 708,976,600	\$ 163,064,618
Gas	23,159,696	65,773,537	17,101,120
Other	N/A	\$ 0	\$ 0
S U B T O T A L :		\$ 774,750,137	\$ 180,165,738
OFFSHORE LOUISIANA			
Oil	290,810,234	\$ 8,738,847,500	\$1,349,359,400
Gas	3,087,360,570	8,397,629,750	1,343,619,320
Other	N/A	\$ 0	\$ 0
S U B T O T A L :		\$17,136,477,250	\$2,692,978,720
OFFSHORE TEXAS			
Oil	19,723,885	\$ 592,899,900	\$ 91,518,820
Gas	829,306,204	2,529,383,920	411,024,887
Other	N/A	\$ 0	\$ 0
S U B T O T A L :		\$ 3,122,283,820	\$ 502,543,707
T O T A L :		\$21,033,511,207	\$3,375,688,165

1983 SUMMARY OF VOLUME, VALUE, ROYALTIES AND OTHER REVENUES FROM OFFSHORE FEDERAL MINERAL LEASES BY COMMODITY

	PRODUCTION		REVENUES RECEIVED
	Volume	Market Value	
OIL	340,703,336	\$10,040,724,000	\$1,603,942,838
GAS	3,939,826,470	10,992,787,207	1,771,745,327
OTHER*	N/A	\$ 0	\$ 0
T O T A L :		\$21,033,511,207	\$3,375,688,165

*No production in 1983.

NOTE: "Other" includes certain of the fluid minerals footnoted in Table 2.

Table 6:

SUMMARY OF TOTAL VOLUME, VALUE, ROYALTIES AND OTHER REVENUES FROM OFFSHORE FEDERAL MINERAL LEASES BY OCS AREA AND COMMODITY, 1953-83

OIL IN BARRELS/GAS IN MCF		REVENUES
Volume	Market Value	RECEIVED
OFFSHORE CALIFORNIA		
Oil	279,351,404	\$ 553,826,253
Gas	130,279,795	34,399,183
Other	N/A	40,997
S U B T O T A L:	\$ 2,874,226,320	\$ 588,266,433
OFFSHORE LOUISIANA		
Oil	6,002,869,891	\$ 9,424,755,061
Gas	56,813,827,813	8,631,200,746
Other	N/A	173,782,743
S U B T O T A L:	\$112,335,508,417	\$18,229,738,550
OFFSHORE TEXAS		
Oil	89,151,209	\$ 318,505,573
Gas	5,183,284,097	1,561,637,358
Other	N/A	3,477,854
S U B T O T A L:	\$ 11,422,631,268	\$ 1,883,620,785
T O T A L:	\$126,632,366,005	\$20,701,625,768

SUMMARY OF TOTAL VOLUME, VALUE, ROYALTIES AND OTHER REVENUES FROM OFFSHORE FEDERAL MINERAL LEASES BY COMMODITY, 1953-83

	PRODUCTION		REVENUES RECEIVED
	Volume	Market Value	
OIL	6,371,372,504	\$ 62,010,268,031	\$10,297,086,887
GAS	62,127,391,705	62,669,071,727	10,227,237,287
OTHER	N/A	1,953,026,247	177,301,594
T O T A L:		\$126,632,366,005	\$20,701,625,768

NOTE: "Other" includes certain of the fluid minerals footnoted in Table 2.

12 : OFFSHORE MINERAL REVENUES

Table 7:

SUMMARY OF VOLUME, VALUE, ROYALTIES AND OTHER REVENUES FROM OFFSHORE FEDERAL MINERAL LEASES BY OCS AREA AND YEAR, 1953-83

OFFSHORE CALIFORNIA	OIL IN BARRELS		OIL REVENUES RECEIVED
	Volume	Market Value	
1953-79	190,944,072	\$ 750,624,877	\$125,196,557
1980	10,198,886	111,407,469	18,567,912
1981	19,605,027	477,803,916	86,004,705
1982	28,434,202	679,293,086	160,992,461
1983	30,169,217	708,976,600	163,064,618
1953-83	279,351,404	\$2,728,105,948	\$553,826,253
	GAS IN MCF		GAS REVENUES RECEIVED
	Volume	Market Value	
1953-79	73,495,845	\$ 22,830,985	\$ 3,797,188
1980	3,107,023	2,435,833	405,972
1981	12,766,307	13,919,105	2,158,289
1982	17,750,924	40,521,810	10,936,614
1983	23,159,696	65,773,537	17,101,120
1953-83	130,279,795	\$ 145,481,270	\$ 34,399,183
	OTHER PRODUCTION		OTHER REVENUES RECEIVED
	Volume	Market Value	
1953-79	N/A	\$ 165,294	\$ 11,240
1980	N/A	81	13
1981	N/A	473,727	29,744
1982	N/A	0	0
1983	N/A	0	0
1953-83	N/A	\$ 639,102	\$ 40,997

NOTE: "Other" includes certain of the fluid minerals footnoted in Table 2.

Table 7 (cont'd):

SUMMARY OF VOLUME, VALUE, ROYALTIES AND OTHER REVENUES FROM OFFSHORE FEDERAL MINERAL LEASES BY OCS AREA AND YEAR, 1953-83

OFFSHORE LOUISIANA	OIL IN BARRELS		OIL REVENUES RECEIVED
	Volume	Market Value	
1953-79	4,923,982,369	\$26,069,590,952	\$4,387,669,235
1980	256,688,082	4,832,841,921	785,526,142
1981	255,875,717	8,771,391,802	1,416,227,442
1982	275,513,489	8,914,054,253	1,485,972,842
1983	290,810,234	8,738,847,500	1,349,359,400
1953-83	6,002,869,891	\$57,326,726,428	\$9,424,755,061
	GAS IN MCF		GAS REVENUES RECEIVED
	Volume	Market Value	
1953-79	41,802,525,169	\$19,357,793,513	\$3,121,940,100
1980	4,013,707,434	6,578,100,474	1,077,439,212
1981	4,106,494,590	8,677,535,461	1,407,880,914
1982	3,803,740,050	10,079,911,140	1,680,321,200
1983	3,087,360,570	8,397,629,750	1,343,619,320
1953-83	56,813,827,813	\$53,090,970,338	\$8,631,200,746
	OTHER PRODUCTION		OTHER REVENUES RECEIVED
	Volume	Market Value	
1953-79	N/A	\$ 1,884,669,634	\$ 168,847,331
1980	N/A	25,017,839	3,772,483
1981	N/A	8,124,178	1,162,929
1982	N/A	0	0
1983	N/A	0	0
1953-83	N/A	\$ 1,917,811,651	\$ 173,782,743

14 : OFFSHORE MINERAL REVENUES

Table 7 (cont'd):

SUMMARY OF VOLUME, VALUE, ROYALTIES AND OTHER REVENUES FROM OFFSHORE FEDERAL MINERAL LEASES BY OCS AREA AND YEAR, 1953-83

OFFSHORE TEXAS	OIL IN BARRELS		OIL REVENUES RECEIVED
	Volume	Market Value	
1953-79	27,376,890	\$ 165,277,711	\$ 27,436,324
1980	10,502,007	198,862,396	33,143,332
1981	14,284,661	438,571,199	73,084,362
1982	17,263,766	559,824,449	93,322,735
1983	19,723,885	592,899,900	91,518,820
1953-83	89,151,209	\$1,955,435,655	\$ 318,505,573

	GAS IN MCF		GAS REVENUES RECEIVED
	Volume	Market Value	
1953-79	2,141,039,238	\$1,487,531,140	\$ 247,916,829
1980	624,642,526	1,304,676,689	217,446,169
1981	730,275,831	1,811,533,970	301,923,690
1982	858,020,298	2,299,494,400	383,325,783
1983	829,306,204	2,529,383,920	411,024,887
1953-83	5,183,284,097	\$9,432,620,119	\$1,561,637,358

	OTHER PRODUCTION		OTHER REVENUES RECEIVED
	Volume	Market Value	
1953-79	N/A	\$ 31,932,521	\$ 3,037,515
1980	N/A	2,173,130	362,190
1981	N/A	469,843	78,149
1982	N/A	0	0
1983	N/A	0	0
1953-83	N/A	\$ 34,575,494	\$ 3,477,854

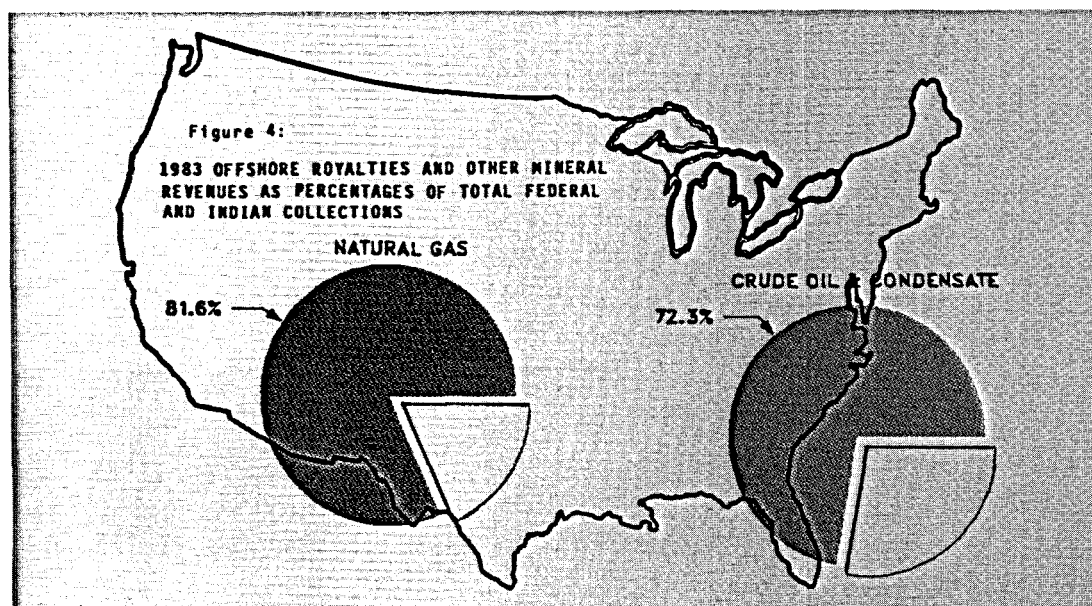


Table 8:

SUMMARY OF ALL VOLUME, VALUE, ROYALTIES AND OTHER REVENUES FROM ALL OFFSHORE FEDERAL MINERAL LEASES, 1953-83

PRODUCTION VOLUME	OIL (bbl)	GAS (Mcf)	OTHER
1953-79	5,142,303,331	44,017,060,252	N/A
1980	277,388,975	4,641,456,983	N/A
1981	289,765,405	4,849,536,728	N/A
1982	321,211,457	4,679,511,272	N/A
1983	340,703,336	3,939,826,470	N/A
1953-83	6,371,372,504	62,127,391,705	N/A

MARKET VALUE	OIL	GAS	OTHER
1953-79	\$26,985,493,540	\$20,868,155,637	\$1,916,767,449
1980	5,143,111,786	7,885,212,996	27,191,050
1981	9,687,766,917	10,502,988,536	9,067,748
1982	10,153,171,788	12,419,927,350	0*
1983	10,040,724,000	10,992,787,207	0*
1953-83	\$62,010,268,031	\$62,669,071,726	\$1,953,026,247

REVENUES RECEIVED	OIL	GAS	OTHER
1953-79	\$ 4,540,302,116	\$ 3,373,654,117	\$ 171,896,086
1980	837,237,386	1,295,291,353	4,134,686
1981	1,575,316,509	1,711,962,893	1,270,822
1982	1,740,288,038	2,074,583,597	0*
1983	1,603,942,838	1,771,745,327	0*
1953-83	\$10,297,086,887	\$10,227,237,287	\$ 177,301,594

*No production in 1982 or 1983.

NOTE: "Other" includes certain of the fluid minerals footnoted in Table 2.

16 : OFFSHORE MINERAL REVENUES

Table 9:

1983 BONUSES PAID ON SALES OF OFFSHORE FEDERAL OIL & GAS LEASES BY OCS AREAS

	Sale No.	Sale Date	Tracts Leased	Acres Leased	Bonuses Paid
ALASKA:					
Norton Sound	57	03/15/83	59	335,898	\$ 317,873,372
Saint George Basin	70	04/12/83	96	546,546	426,458,830
ATLANTIC:					
Mid-Atlantic	76	04/26/83	37	210,641	68,410,240
S. Atlantic	78	07/26/83	11	62,625	13,362,040
GULF OF MEXICO:					
Area-Wide	69(2)*	03/08/83	11	58,120	37,570,900
Central	72	05/25/83	623	3,089,872	3,367,606,134
West	74	08/24/83	406	2,246,005	1,501,712,517
PACIFIC:					
S. California	73	12/20/83	8	43,799	16,022,336
T O T A L :			1,251	6,593,506	\$5,749,016,369

*Sale 69(1), the first phase of this 1982 sale, was held November 17, 1982.

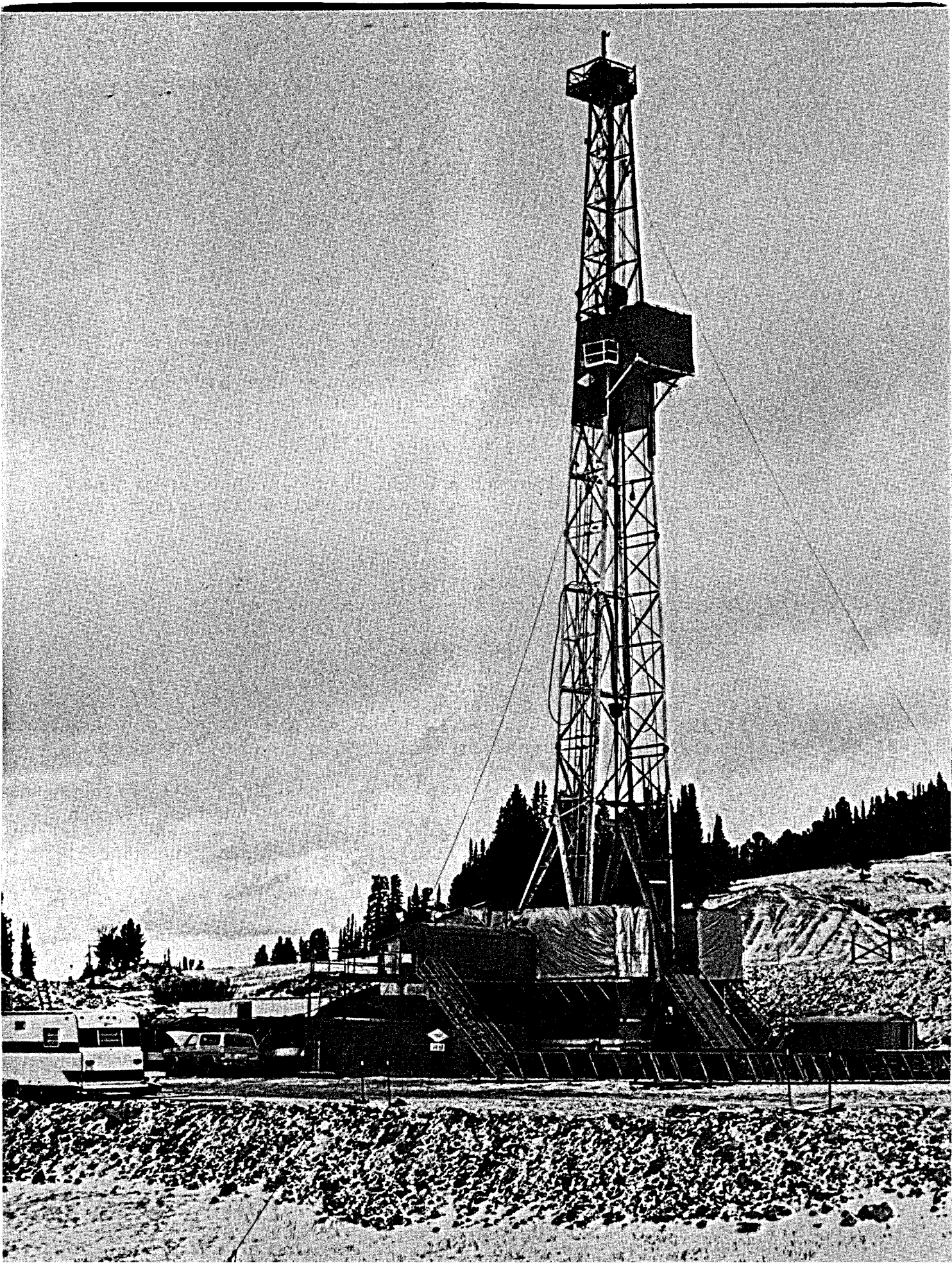
Table 10:

SUMMARY OF BONUSES PAID ON SALES OF OFFSHORE FEDERAL OIL & GAS LEASES, 1954-83

No. of Sales	Tracts Leased	Acres Leased	Bonuses Paid	No. of Sales	Tracts Leased	Acres Leased	Bonuses Paid		
1954	3	114	486,870	\$ 140,969,005	1971	1	11	37,222	\$ 96,304,523
1955	1	121	402,567	108,528,726	1972	2	178	826,195	2,251,347,556
1959	2	42	171,300	89,746,992	1973	2	187	1,032,570	3,082,462,611
1960	2	148	707,026	246,985,034	1974	4	356	1,762,158	5,022,860,815
1962	3	420	1,929,177	489,481,061	1975	4	321	1,679,877	1,088,133,152
1963	1	57	312,945	12,807,337	1976	4	246	1,277,937	2,242,898,467
1964	2	124	613,524	95,874,327	1977	2	211	1,100,734	1,568,564,745
1965	1	50	72,000	33,740,309	1978	4	249	1,297,274	1,767,042,064
1966	3	42	141,768	209,199,893	1979	6	351	1,767,443	5,078,861,692
1967	2	159	746,951	510,109,742	1980	3	218	1,134,238	4,204,640,257
1968	3	197	934,164	1,346,487,097	1981	7	425	2,237,005	6,602,665,712
1969	3	40	114,282	111,660,685	1982	5	357	1,886,360	3,987,490,009
1970	2	138	598,540	945,064,773	1983	7	1,251	6,593,506	5,749,016,369
NOTE: The 1954-1965 and 1969 OCS sales				TOTAL : 79	6,013	29,863,633	\$47,082,942,953		

NOTE: The 1954, 1965, and 1969 OCS sales each included one sulfur lease; the 1960 and 1967 sales each included one salt lease.

Drilling rig, Jackson, Wyoming. ◊



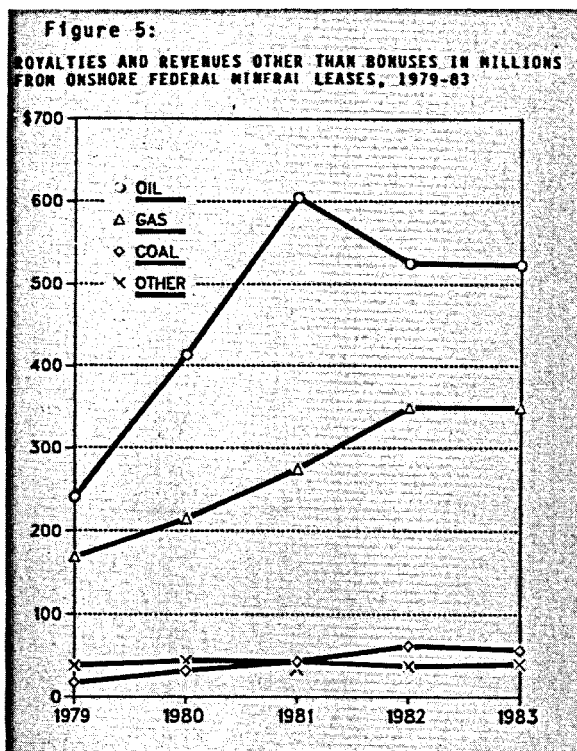
ONSHORE FEDERAL MINERAL REVENUES

In spite of a 15 percent drop in onshore gas production, royalty revenues from those Federal leases declined less than 1 percent in 1983. The main offsetting factor was a substantial increase in market value--up from \$2.40 to \$2.83 per Mcf. Coal and oil revenues, affected by royalty rates and market declines respectively, were also down slightly. But production for both edged upwards. Other solid and fluid mineral revenues rose 9 percent. Thus, onshore Federal revenues declined less than 1 percent overall--from \$972.5 million in 1982 to \$967.9 million in 1983.

Oil and coal production were up slightly--1 million barrels and 4.4 million tons. Nevertheless, lower market values brought lower royalty revenues for both commodities.

Oil production increased less than 1 percent: from 150 to 151 million barrels. Following world trends, its market value decreased somewhat, however. Thus, oil royalties were down from \$525 to \$523 million. Gas royalties were also down slightly--from \$349.4 to \$348.6 million.

Coal production increased from 101 million tons to 105 million tons, but royalty revenues dropped--from \$61.9 million to \$56.7 million. This decline in coal royalty revenues resulted in part from increased production of lower value coal, as well as from improved extraction from older leases where royalty rates are still calculated on a cents-per-ton basis.



Royalty revenues from fluid and solid minerals other than oil, gas, and coal were up in 1983--from the previous year's total of \$36,613,331 to \$39,906,641 (Table 11, page 34).

Competitive mineral leasing activity slowed in the onshore Federal lands--601 leases in 305,396 acres as compared to 645 in 1.3 million acres in 1982. Bonus bids totalled \$62,108,205 (Tables 12 & 13). Another 12,349 mineral leases were issued noncompetitively in 1983.

Oil and gas leasing activity and bonus revenues were strongest in New Mexico (224 leases issued for 44,604 acres, \$14,599,475), Alaska (2, for 23,133 acres, \$5,723,850), Utah (51, for 18,273 acres, \$4,617,317), and Wyoming (93, for 18,173 acres, \$3,397,045). But the largest onshore bonuses of \$23,689,632 were paid for the 2 coal leases issued for 5,176 acres in Wyoming (Table 12).

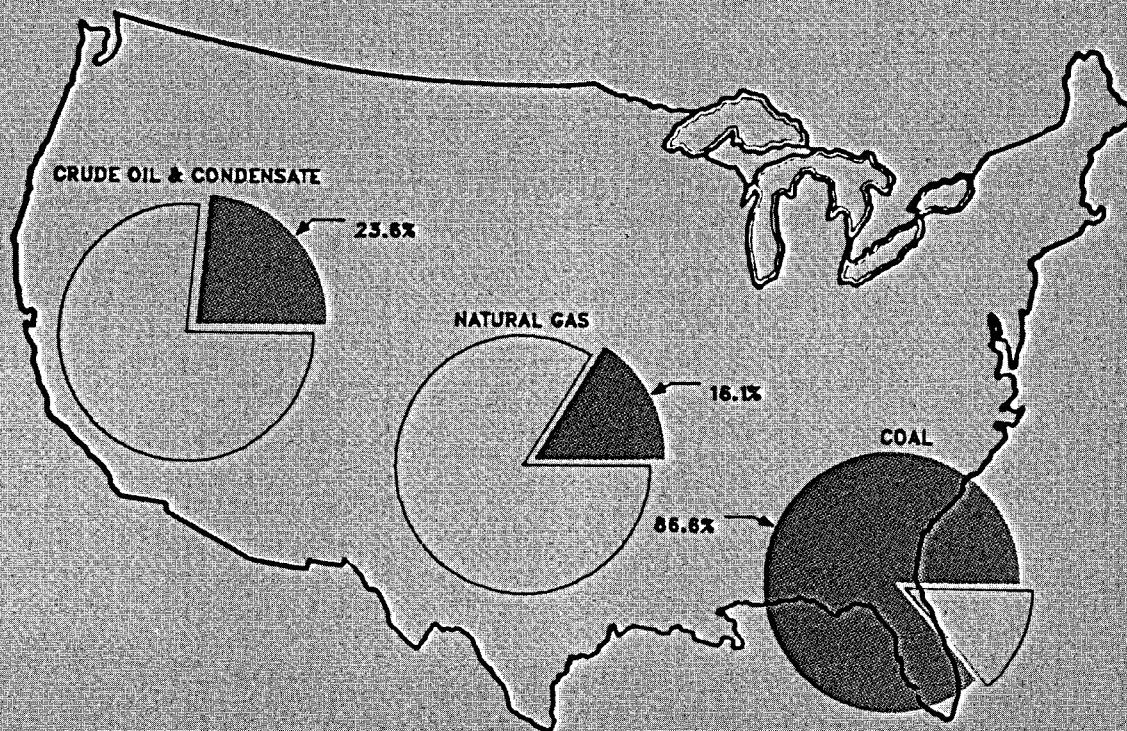
Geothermal leases continued to interest industry also. In 3 States, 85 leases covering 163,277

acres were issued in 1983. These accounted for a total of \$2,145,376 in bonus bids, with 67 leases in Oregon covering 138,577 acres and bringing in \$2,141,097 of that amount alone.

Leases in Wyoming and New Mexico again dominated onshore production (Table 11). Minerals produced in Wyoming had a market value of \$3.8 billion with royalties of \$375.3 million, while those produced in New Mexico were valued at \$2.3 billion with royalties of \$264.1 million.

Figure 6:

1983 ONSHORE ROYALTIES AND OTHER REVENUES AS PERCENTAGES OF TOTAL FEDERAL AND INDIAN COLLECTIONS FROM OIL, GAS, AND COAL



20 : ONSHORE MINERAL REVENUES

Table 11:

SUMMARY OF VOLUME, VALUE, ROYALTIES AND OTHER REVENUES FROM ONSHORE FEDERAL MINERAL LEASES BY STATE AND COMMODITY, 1920-83

ALABAMA	OIL IN BARRELS		OIL REVENUES RECEIVED	GAS IN MCF		GAS REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1920-79	492,015	\$ 1,728,259	\$ 182,849	7,826	\$ 7,961	\$ 996
1980	10,642	141,479	45,882	18,700	51,134	6,557
1981	4,243	153,722	34,672	40,055	101,067	12,746
1982	3,900	124,750	15,596	45,000	117,000	14,625
1983	3,750	113,888	14,236	47,500	129,675	16,209
	COAL IN TONS		COAL REVENUES RECEIVED	OTHER PRODUCTION		OTHER REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1920-79	1,645,820	\$ 5,348,206	\$ 262,924	N/A	\$ 27,381	\$ 3,866
1980	27,780	791,715	31,669	N/A	2,497	792
1981	0	0	7,247*	N/A	120,439	3,516
1982	23,544	978,722	39,149	N/A	10,879	1,822
1983	105,179	4,390,003	175,600	N/A	16,720	3,215

*Advance royalties paid.

TOTAL REVENUES ALL MINERALS	
1920-79	\$ 450,635
1980	84,900
1981	58,181
1982	71,242
1983	209,260
1920-83	\$ 874,218

ALASKA	OIL IN BARRELS		OIL REVENUES RECEIVED	GAS IN MCF		GAS REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1920-79	187,975,957	\$ 701,012,392	\$ 83,220,549	752,777,981	\$191,310,505	\$23,021,434
1980	3,937,311	37,946,840	4,751,805	81,370,875	49,959,224	6,244,903
1981	3,095,291	91,346,010	11,418,252	88,773,942	77,984,832	9,748,104
1982	3,141,500	87,396,530	10,924,566	93,500,000	105,655,000	13,206,875
1983	3,125,100	81,190,098	10,148,762	87,493,000	104,991,100	13,123,950
	COAL IN TONS		COAL REVENUES RECEIVED	OTHER PRODUCTION		OTHER REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1920-79	18,376,127	\$ 131,760,234	\$ 2,075,108	N/A	\$ 2,209,888	\$ 262,462
1980	0	0	0	N/A	87,788	10,974
1981	0	0	0	N/A	619,015	77,377
1982	0	0	0	N/A	787,500	98,437
1983	0	0	0	N/A	1,872,000	234,000

TOTAL REVENUES ALL MINERALS	
1920-79	\$ 108,579,553
1980	11,007,682
1981	21,243,733
1982	24,229,878
1983	23,506,712
1920-83	\$ 188,567,558

NOTE: Oil volume in barrels (42 U.S. gallons), gas in thousands of cubic feet (Mcf), coal in short tons (#2,000), revenues in dollars. "Other" includes certain of the solid and fluid minerals footnoted in Table 2.

Table 11 (cont'd):

SUMMARY OF VOLUME, VALUE, ROYALTIES AND OTHER REVENUES FROM ONSHORE FEDERAL MINERAL LEASES
BY STATE AND COMMODITY, 1920-83

ARIZONA	GAS IN MCF		GAS REVENUES RECEIVED	OTHER PRODUCTION		OTHER REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1920-79	124,822	\$ 62,572	\$ 37,551	N/A	\$ 8,004,634	\$ 519,428
1983	0	0	0	N/A	0	0
TOTAL REVENUES ALL MINERALS						
1920-79	\$	556,979				
1980-83		0				
1920-83	\$	556,979				

ARKANSAS	OIL IN BARRELS		OIL REVENUES RECEIVED	GAS IN MCF		GAS REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1920-79	47,634	\$ 127,261	\$ 18,902	38,225,971	\$ 23,739,257	\$ 3,388,949
1980	478	7,257	1,209	4,935,402	8,635,188	1,237,931
1981	225	16,344	2,290	5,328,022	7,610,781	1,012,211
1982	329	11,542	1,443	5,044,312	11,682,636	1,622,411
1983	450	12,825	1,603	4,750,000	12,604,600	1,575,575
	OTHER PRODUCTION		OTHER REVENUES RECEIVED	TOTAL REVENUES ALL MINERALS		
	Volume	Market Value		Volume	Market Value	
1920-79	N/A	\$1,741,590	\$ 68,106	1920-79	\$ 3,475,957	
1980	N/A	(42,811)*	(5,673)*	1980	1,233,467	
1981	N/A	8,415	260	1981	1,014,761	
1982	N/A	11,992	600	1982	1,624,454	
1983	N/A	5,857	293	1983	1,577,471	
				1920-83	\$ 8,926,110	

*Data represent credits.

CALIFORNIA	OIL IN BARRELS		OIL REVENUES RECEIVED	GAS IN MCF		GAS REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1920-79	1,243,064,488	\$3,028,575,727	\$372,783,866	1,566,346,813	\$ 280,209,817	\$48,024,861
1980	17,582,943	411,036,298	50,435,845	7,889,193	13,949,590	3,110,719
1981	20,544,840	487,056,185	55,445,428	6,293,799	13,927,177	2,982,241
1982	21,702,000	518,258,800	57,124,100	6,050,000	16,892,500	3,231,400
1983	20,650,000	454,300,000	56,787,500	5,750,100	18,802,827	3,595,100
	COAL IN TONS		COAL REVENUES RECEIVED	OTHER PRODUCTION		OTHER REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1920-79	1,257	\$ 3,190	\$ 299	N/A	\$1,319,985,930	\$58,182,724
1980	0	0	0	N/A	114,215,427	6,110,397
1981	0	0	0	N/A	180,939,574	9,541,043
1982	0	0	0	N/A	164,521,234	8,850,801
1983	0	0	0	N/A	87,473,518	5,795,021
TOTAL REVENUES ALL MINERALS						
1920-79	\$	478,991,750				
1980		59,656,961				
1981		67,968,712				
1982		69,206,301				
1983		66,177,621				
1920-83	\$	742,001,345				

22 : ONSHORE MINERAL REVENUES

Table 11 (cont'd):

SUMMARY OF VOLUME, VALUE, ROYALTIES AND OTHER REVENUES FROM ONSHORE FEDERAL MINERAL LEASES BY STATE AND COMMODITY, 1920-83

COLORADO	OIL IN BARRELS		OIL REVENUES RECEIVED	GAS IN MCF		GAS REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1920-79	441,897,376	\$1,690,904,900	\$269,631,227	1,009,985,891	\$ 262,446,998	\$ 29,946,731
1980	9,782,634	176,872,098	30,238,440	55,762,010	76,838,840	9,199,101
1981	9,678,585	324,773,799	52,858,527	48,254,910	98,611,608	11,964,638
1982	9,121,990	250,772,958	40,604,232	53,833,000	118,274,286	15,923,374
1983	10,150,300	260,816,260	44,589,987	54,550,000	128,541,600	15,643,513
	COAL IN TONS		COAL REVENUES RECEIVED	OTHER PRODUCTION		OTHER REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1920-79	64,471,077	\$ 607,325,094	\$ 14,172,497	N/A	\$ 43,211,380	\$ 2,187,034
1980	9,390,841	182,050,641	8,865,003	N/A	9,913,848	637,178
1981	11,144,383	229,824,111	12,892,030	N/A	8,413,294	452,441
1982	9,691,354	225,322,986	11,642,321	N/A	8,325,580	442,221
1983	10,795,235	252,840,208	12,270,325	N/A	17,350,091	1,492,505

TOTAL REVENUES ALL MINERALS

1920-79	\$ 315,937,489
1980	48,939,722
1981	78,167,636
1982	68,612,148
1983	73,996,330
1920-83	<u>\$ 585,653,325</u>

FLORIDA	OIL IN BARRELS		OIL REVENUES RECEIVED	OTHER PRODUCTION		OTHER REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1920-79	7,256	\$ 90,418	\$11,303	N/A	\$ 342,263	\$ 20,267
1980	910	16,865	2,108	N/A	2,249,442	113,749
1981	0	0	0	N/A	4,135,528	209,133
1982	0	0	0	N/A	2,925,038	146,252
1983	0	0	0	N/A	8,160,555	411,089

TOTAL REVENUES ALL MINERALS

1920-79	\$ 31,570
1980	115,857
1981	209,133
1982	146,252
1983	411,089
1920-83	<u>\$ 913,901</u>

GEORGIA	OTHER PRODUCTION		OTHER REVENUES RECEIVED	TOTAL REVENUES ALL MINERALS	
	Volume	Market Value			
1920-79	N/A	\$2,705,921	\$99,013	1920-79	\$ 99,013
1980	N/A	204,373	9,462	1980	9,462
1981	N/A	190,070	9,962	1981	9,962
1982	N/A	71,156	3,188	1982	3,188
1983	N/A	8,044	340	1983	340
				1920-83	<u>\$ 121,965</u>

Table 11 (cont'd):

SUMMARY OF VOLUME, VALUE, ROYALTIES AND OTHER REVENUES FROM ONSHORE FEDERAL MINERAL LEASES
BY STATE AND COMMODITY, 1920-83

IDAHO	COAL IN TONS		COAL REVENUES RECEIVED	OTHER PRODUCTION		OTHER REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1920-79	31,574	\$ 88,984	\$ 7,228	N/A	\$230,391,313	\$14,403,829
1980	0	0	0	N/A	39,715,880	2,397,104
1981	0	0	0	N/A	38,520,050	2,228,457
1982	0	0	0	N/A	14,580,941	731,730
1983	0	0	0	N/A	12,640,842	634,760

TOTAL REVENUES
ALL MINERALS

1920-79	\$ 14,411,057
1980	2,397,104
1981	2,228,457
1982	731,730
1983	634,760
1920-83	\$ 20,403,108

ILLINOIS	OIL IN BARRELS		OIL REVENUES RECEIVED	COAL IN TONS		COAL REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1920-79	731	\$ 11,503	\$ 1,917	24,170	\$ 92,128	\$ 3,138
1980	79	2,809	468	0	0	0
1981	0	0	0	0	0	0
1982	0	0	0	0	0	0
1983	0	0	0	0	0	0

OTHER PRODUCTION OTHER REVENUES
Volume Market Value RECEIVED

1920-79	N/A	\$18,672,630	\$ 757,699
1980	N/A	1,292,004	58,416
1981	N/A	1,731,804	77,931
1982	N/A	12,158	547
1983	N/A	0	0

TOTAL REVENUES
ALL MINERALS

1920-79	\$ 762,754
1980	58,884
1981	77,931
1982	547
1983	0
1920-83	\$ 900,116

INDIANA	OIL IN BARRELS		OIL REVENUES RECEIVED	TOTAL REVENUES ALL MINERALS	
	Volume	Market Value			
1920-79	5,679	\$ 15,529	\$ 1,859	1920-79	\$ 1,859
1983	0	0	0	1980-83	0
				1920-83	\$ 1,859

24 : ONSHORE MINERAL REVENUES

Table 11 (cont'd):

SUMMARY OF VOLUME, VALUE, ROYALTIES AND OTHER REVENUES FROM ONSHORE FEDERAL MINERAL LEASES BY STATE AND COMMODITY, 1920-83

KANSAS	OIL IN BARRELS		OIL REVENUES RECEIVED	GAS IN MCF		GAS REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1920-79	14,359,666	\$ 50,546,798	\$ 6,918,374	343,762,868	\$ 64,276,086	\$ 7,911,008
1980	351,749	5,557,814	740,411	11,450,442	9,807,317	1,230,041
1981	285,680	10,218,778	1,370,189	6,841,684	5,785,384	729,335
1982	330,565	10,299,723	1,400,628	9,719,373	12,495,566	1,584,177
1983	350,500	9,989,250	1,248,656	8,747,100	15,482,367	1,961,616
	OTHER PRODUCTION		OTHER REVENUES RECEIVED	TOTAL REVENUES ALL MINERALS		
	Volume	Market Value		Volume	Market Value	
1920-79	N/A	\$ 5,017	\$ 302	1920-79	\$ 14,829,684	
1980-83	N/A	0	0	1980	1,970,452	
				1981	2,099,524	
				1982	2,984,805	
				1983	3,210,272	
				1920-83	\$ 25,094,737	

KENTUCKY	OIL IN BARRELS		OIL REVENUES RECEIVED	GAS IN MCF		GAS REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1920-79	2,976,570	\$ 9,539,416	\$ 1,427,187	754,394	\$ 675,814	\$ 77,387
1980	6,497	242,734	36,406	279,887	335,864	36,892
1981	4,892	177,453	26,618	225,251	270,991	30,398
1982	3,700	114,700	17,205	205,000	276,750	34,590
1983	4,650	133,920	16,740	182,000	476,840	59,605
	COAL IN TONS		COAL REVENUES RECEIVED	TOTAL REVENUES ALL MINERALS		
	Volume	Market Value		Volume	Market Value	
1920-79	2,991,881	\$ 25,917,641	\$ 1,003,474	1920-79	\$ 2,508,048	
1980	2,992	89,727	3,589	1980	76,887	
1981	0	0	0	1981	57,016	
1982	0	0	0	1982	51,795	
1983	0	0	0	1983	76,345	
				1920-83	\$ 2,770,091	

LOUISIANA	OIL IN BARRELS		OIL REVENUES RECEIVED	GAS IN MCF		GAS REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1920-79	145,655,048	\$510,067,485	\$ 60,658,840	1,397,105,638	\$257,962,007	\$ 37,390,233
1980	2,054,703	30,427,595	3,583,097	17,955,861	14,666,618	1,932,802
1981	1,464,854	51,622,050	5,686,906	15,512,606	13,040,634	1,761,926
1982	1,734,145	45,220,999	5,913,809	17,177,498	19,944,754	2,599,118
1983	2,004,500	59,132,750	7,391,594	15,459,300	23,807,322	3,102,094
	OTHER PRODUCTION		OTHER REVENUES RECEIVED	TOTAL REVENUES ALL MINERALS		
	Volume	Market Value		Volume	Market Value	
1920-79	N/A	\$ 40,622,159	\$ 6,609,649	1920-79	\$104,658,722	
1980	N/A	5,788,422	912,874	1980	6,428,773	
1981	N/A	7,024,299	1,072,336	1981	8,521,168	
1982	N/A	7,194,180	1,026,086	1982	9,539,013	
1983	N/A	6,330,000	902,800	1983	11,396,488	
				1920-83	\$140,544,164	

Table 11 (cont'd):

SUMMARY OF VOLUME, VALUE, ROYALTIES AND OTHER REVENUES FROM ONSHORE FEDERAL MINERAL LEASES BY STATE AND COMMODITY, 1920-83

MAINE	OTHER PRODUCTION		OTHER REVENUES RECEIVED	TOTAL REVENUES ALL MINERALS	
	Volume	Market Value			
1920-79	N/A	\$ 9,711	\$ 818	1920-79	\$ 818
1983	N/A	0	0	1980-83	0
				1920-83	<u>\$ 818</u>

MARYLAND	GAS PRODUCTION		GAS REVENUES RECEIVED	TOTAL REVENUES ALL MINERALS	
	Volume	Market Value			
1920-79	3,800,246	\$ 1,033,644	\$ 129,946	1920-79	\$ 129,946
1980	4,482	9,905	1,238	1980	1,238
1981	2,557	4,952	619	1981	619
1982	2,400	4,992	624	1982	624
1983	2,160	5,530	691	1983	691
				1920-83	<u>\$ 133,118</u>

MICHIGAN	OIL IN BARRELS		OIL REVENUES RECEIVED	GAS IN MCF		GAS REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1920-79	1,038,295	\$ 6,698,479	\$ 888,184	4,038,899	\$ 3,313,778	\$ 470,717
1980	99,714	2,443,015	301,700	594,958	946,864	113,029
1981	74,435	2,646,940	352,759	575,628	1,681,725	210,483
1982	64,000	1,920,000	240,000	560,000	1,708,000	213,500
1983	53,500	1,551,500	193,938	498,552	1,691,472	211,428

	OTHER PRODUCTION		OTHER REVENUES RECEIVED	TOTAL REVENUES ALL MINERALS	
	Volume	Market Value			
1920-79	N/A	\$ 4,659	\$ 470	1920-79	\$ 1,359,371
1983	N/A	0	0	1980	414,729
				1981	563,242
				1982	453,500
				1983	405,366
				1920-83	<u>\$ 3,196,208</u>

MINNESOTA	OTHER PRODUCTION		OTHER REVENUES RECEIVED	TOTAL REVENUES ALL MINERALS	
	Volume	Market Value			
1920-79	N/A	\$ 442,883	\$ 16,143	1920-79	\$ 16,143
1980	N/A	203,218	8,129	1980	8,129
1981	N/A	3,259,472	130,379	1981	130,379
1982	N/A	32,522	3,533	1982	3,533
1983	N/A	1,292,891	39,185	1983	39,185
				1920-83	<u>\$ 197,369</u>

26 : ONSHORE MINERAL REVENUES

Table 11 (cont'd):

SUMMARY OF VOLUME, VALUE, ROYALTIES AND OTHER REVENUES FROM ONSHORE FEDERAL MINERAL LEASES BY STATE AND COMMODITY, 1920-83

MISSISSIPPI	OIL IN BARRELS		OIL REVENUES RECEIVED	GAS IN MCF		GAS REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1920-79	47,806,119	\$ 185,906,349	\$ 22,916,734	72,184,441	\$ 15,463,660	\$ 1,649,581
1980	798,396	17,952,777	2,239,068	208,768	358,035	49,088
1981	671,983	22,135,573	2,698,902	898,231	2,204,360	1,522,092
1982	568,150	17,598,750	2,200,325	869,200	2,247,430	165,565
1983	465,200	13,607,100	1,700,888	782,280	2,393,777	299,200
	OTHER PRODUCTION		OTHER REVENUES RECEIVED	TOTAL REVENUES ALL MINERALS		
	Volume	Market Value				
1920-79	N/A	\$ 188,538	\$ 11,859	1920-79	\$ 24,578,174	
1980	N/A	0	0	1980	2,288,156	
1981	N/A	69,691	217	1981	4,221,211	
1982	N/A	81,000	250	1982	2,366,140	
1983	N/A	71,300	210	1983	2,000,298	
				1920-83	\$ 35,453,979	

MISSOURI	OTHER PRODUCTION		OTHER REVENUES RECEIVED	TOTAL REVENUES ALL MINERALS		
	Volume	Market Value				
1920-79	N/A	\$1,279,200,857	\$ 56,985,629	1920-79	\$ 56,985,629	
1980	N/A	251,760,373	12,588,211	1980	12,588,211	
1981	N/A	144,412,821	7,169,887	1981	7,169,887	
1982	N/A	92,808,570	4,652,521	1982	4,652,521	
1983	N/A	92,473,768	4,617,952	1983	4,617,952	
				1920-83	\$ 86,014,200	

MONTANA	OIL IN BARRELS		OIL REVENUES RECEIVED	GAS IN MCF		GAS REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1920-79	247,890,965	\$ 844,021,418	\$108,221,967	253,763,894	\$ 53,835,391	\$ 5,930,328
1980	5,881,966	96,214,460	12,070,997	13,671,805	17,895,457	2,203,978
1981	5,779,223	193,605,300	22,516,111	12,074,867	19,601,569	2,372,811
1982	5,036,442	153,889,803	18,014,642	12,343,537	23,618,454	2,821,662
1983	5,007,606	139,867,812	16,736,445	10,450,100	25,952,020	3,076,180
	COAL IN TONS		COAL REVENUES RECEIVED	OTHER PRODUCTION		OTHER REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1920-79	78,564,928	\$ 355,065,030	\$ 11,040,228	N/A	\$ 75,190,761	\$ 2,805,229
1980	10,392,536	91,086,899	2,676,851	N/A	4,356,148	124,556
1981	26,726,838	324,259,233	6,245,099	N/A	3,477,891	142,535
1982	10,651,879	110,665,774	9,516,623	N/A	3,946,699	153,442
1983	11,573,517	172,085,685	13,681,668	N/A	4,501,080	175,894
TOTAL REVENUES ALL MINERALS						
1920-79	\$ 127,997,752					
1980	17,076,382					
1981	31,276,556					
1982	30,526,369					
1983	33,670,187					
1920-83	\$ 240,547,246					

Table 11 (cont'd):

**SUMMARY OF VOLUME, VALUE, ROYALTIES AND OTHER REVENUES FROM ONSHORE FEDERAL MINERAL LEASES
BY STATE AND COMMODITY, 1920-83**

NEBRASKA	OIL IN BARRELS		OIL REVENUES RECEIVED	GAS IN MCF		GAS REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1920-79	830,068	\$ 6,822,731	\$ 641,478	8,877,911	\$ 4,026,473	\$ 665,157
1980	102,853	3,307,012	513,924	438,667	662,771	110,462
1981	119,261	4,250,087	583,363	470,739	630,762	103,568
1982	108,492	3,501,401	445,583	388,552	820,959	136,076
1983	106,064	3,199,791	308,784	359,300	525,800	85,900
	OTHER PRODUCTION		OTHER REVENUES RECEIVED	TOTAL REVENUES ALL MINERALS		
	Volume	Market Value				
1920-79	N/A	\$ 2,633,873	\$ 227,234	1920-79	\$ 1,533,869	
1980	N/A	381,417	17,166	1980	641,552	
1981	N/A	490,769	33,569	1981	720,500	
1982	N/A	421,644	28,779	1982	610,438	
1983	N/A	351,000	23,500	1983	418,184	
				1920-83	\$ 3,924,543	

NEVADA	OIL IN BARRELS		OIL REVENUES RECEIVED	COAL IN TONS		COAL REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1920-79	6,042,259	\$ 37,778,590	\$ 4,695,317	141	\$ 207	\$ 133
1980	863,716	13,726,240	1,715,781	0	0	0
1981	501,454	11,873,558	1,484,195	0	0	0
1982	525,100	11,946,025	1,493,253	0	0	0
1983	666,800	14,002,800	1,750,350	0	0	0
	OTHER PRODUCTION		OTHER REVENUES RECEIVED	TOTAL REVENUES ALL MINERALS		
	Volume	Market Value				
1920-79	N/A	\$ 24,886,199	\$ 945,017	1920-79	\$ 5,640,467	
1980	N/A	3,513,878	134,811	1980	1,850,592	
1981	N/A	2,526,463	101,028	1981	1,585,223	
1982	N/A	933,767	53,052	1982	1,546,305	
1983	N/A	1,394,646	(564,083)	1983	1,186,267	
				1920-83	\$ 11,808,854	

28 : ONSHORE MINERAL REVENUES

Table 11 (cont'd):

SUMMARY OF VOLUME, VALUE, ROYALTIES AND OTHER REVENUES FROM ONSHORE FEDERAL MINERAL LEASES BY STATE AND COMMODITY, 1920-83

NEW MEXICO	OIL IN BARRELS		OIL REVENUES RECEIVED	GAS IN MCF		GAS REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1920-79	985,338,813	\$3,700,162,705	\$450,821,729	12,935,039,734	\$3,999,583,957	\$495,278,400
1980	21,664,764	530,218,728	65,322,151	584,421,135	1,064,844,278	133,031,227
1981	21,796,606	695,739,128	84,424,779	648,683,299	1,341,783,321	167,916,224
1982	18,368,501	564,236,227	68,138,838	687,846,386	1,652,188,050	207,174,936
1983	17,637,300	529,119,000	66,139,875	510,571,286	1,470,445,300	183,805,660
	COAL IN TONS		COAL REVENUES RECEIVED	OTHER PRODUCTION		OTHER REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1920-79	19,798,870	\$ 173,533,612	\$ 4,324,887	N/A	\$2,997,493,492	\$124,829,610
1980	6,316,551	81,406,221	6,982,294	N/A	297,094,282	12,974,943
1981	9,184,682	100,957,236	100,219*	N/A	289,589,265	10,926,572
1982	4,403,691	86,028,883	8,289,584	N/A	338,528,191	12,810,349
1983	2,290,379	41,420,213	5,000,506	N/A	254,860,384	9,195,388

*Prior period adjustment.

TOTAL REVENUES ALL MINERALS	
1920-79	\$1,075,254,626
1980	218,310,615
1981	263,367,794
1982	296,413,707
1983	264,141,429
1920-83	<u>\$2,117,488,171</u>

NORTH CAROLINA	OTHER PRODUCTION		OTHER REVENUES RECEIVED	TOTAL REVENUES ALL MINERALS	
	Volume	Market Value			
1920-79	N/A	\$ 315,696	\$ 19,154	1920-79	\$ 19,154
1983	N/A	0	0	1980-83	0
				1920-83	<u>\$ 19,154</u>

Table 11 (cont'd):

**SUMMARY OF VOLUME, VALUE, ROYALTIES AND OTHER REVENUES FROM ONSHORE FEDERAL MINERAL LEASES
BY STATE AND COMMODITY, 1920-83**

NORTH DAKOTA	OIL IN BARRELS		OIL REVENUES RECEIVED	GAS IN MCF		GAS REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1920-79	52,823,628	\$ 271,046,726	\$ 32,669,123	41,531,604	\$ 5,081,037	\$ 556,387
1980	10,102,309	316,758,997	38,291,737	3,805,506	7,315,068	890,694
1981	14,895,180	537,658,049	64,514,108	6,970,530	18,459,743	2,259,085
1982	13,819,299	445,654,630	54,158,827	9,919,506	28,595,366	3,496,703
1983	14,887,500	431,737,500	53,967,200	9,989,000	35,165,300	4,305,500
	COAL IN TONS		COAL REVENUES RECEIVED	OTHER PRODUCTION		OTHER REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1920-79	33,145,737	\$ 75,847,527	\$ 3,843,637	N/A	\$ 5,351,997	\$ 481,593
1980	606,046	(7,582,586)*	(352,095)*	N/A	4,027,277	7,315
1981	873,681	6,480,472	278,333	N/A	10,564,574	411,554
1982	1,454,570	(1,330,321)*	1,085,399	N/A	13,594,429	565,655
1983	2,252,696	10,961,046	2,106,053	N/A	7,837,700	324,800

*Data represent credits.

**TOTAL REVENUES
ALL MINERALS**

1920-79	\$ 37,550,740
1980	38,837,651
1981	67,463,080
1982	59,306,584
1983	60,703,553
1920-83	<u>\$ 263,861,608</u>

OHIO	OIL IN BARRELS		OIL REVENUES RECEIVED	GAS IN MCF		GAS REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1920-79	796,680	\$ 2,286,555	\$ 353,285	4,477,291	\$ 1,374,978	\$ 154,050
1980	4,679	113,028	14,121	78,557	67,428	8,426
1981	1,648	57,187	7,759	50,601	46,320	5,790
1982	1,700	51,000	6,375	46,600	49,400	6,170
1983	1,920	53,940	6,732	81,500	89,700	8,973
	COAL IN TONS		COAL REVENUES RECEIVED	TOTAL REVENUES ALL MINERALS		
	Volume	Market Value				
1920-79	489,461	\$ 2,066,465	\$ 89,459	1920-79	\$ 596,794	
1983	0	0	0	1980	22,547	
				1981	13,549	
				1982	12,545	
				1983	15,705	
				1920-83	<u>\$ 661,140</u>	

30 : ONSHORE MINERAL REVENUES

Table 11 (cont'd):

SUMMARY OF VOLUME, VALUE, ROYALTIES AND OTHER REVENUES FROM ONSHORE FEDERAL MINERAL LEASES BY STATE AND COMMODITY, 1920-83

OKLAHOMA	OIL IN BARRELS		OIL REVENUES RECEIVED	GAS IN MCF		GAS REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1920-79	14,693,210	\$ 45,128,492	\$ 5,152,916	228,938,693	\$ 85,779,626	\$10,601,349
1980	192,874	5,070,780	584,136	15,412,213	26,520,082	3,100,608
1981	309,900	6,067,497	731,778	12,496,628	25,878,899	3,122,229
1982	387,404	8,225,621	995,279	15,949,465	40,117,981	5,047,144
1983	427,200	12,602,400	1,575,300	22,611,000	66,165,600	8,270,700
	COAL IN TONS		COAL REVENUES RECEIVED	OTHER PRODUCTION		OTHER REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1920-79	8,285,042	\$ 105,480,362	\$ 2,733,128	N/A	\$ 32,814,813	\$ 308,544
1980	258,818	11,802,057	821,286	N/A	230,113	18,990
1981	257,545	11,563,025	1,129,504	N/A	181,015	23,163
1982	243,352	9,453,784	1,000,283	N/A	473,042	59,429
1983	100,559	3,966,570	606,141	N/A	690,600	86,300
TOTAL REVENUES ALL MINERALS						
1920-79	\$ 18,795,937					
1980	4,525,020					
1981	5,006,674					
1982	7,102,135					
1983	10,538,441					
1920-83	\$ 45,968,207					

OREGON	COAL IN TONS		COAL REVENUES RECEIVED	OTHER PRODUCTION		OTHER REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1920-79	20,603	\$ 374,084	\$ 24,147	N/A	\$ 40	\$ 5
1983	0	0	0	N/A	0	0
TOTAL REVENUES ALL MINERALS						
1920-79	\$ 24,152					
1980-83	0					
1920-83	\$ 24,152					

PENNSYLVANIA	OIL IN BARRELS		OIL REVENUES RECEIVED	GAS IN MCF		GAS REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1920-79	989	\$ 4,041	\$ 491	2,794,991	\$ 952,753	\$ 95,385
1983	0	0	0	0	0	0
TOTAL REVENUES ALL MINERALS						
1920-79	\$ 95,876					
1980-83	0					
1920-83	\$ 95,876					

Table 11 (cont'd):

SUMMARY OF VOLUME, VALUE, ROYALTIES AND OTHER REVENUES FROM ONSHORE FEDERAL MINERAL LEASES
BY STATE AND COMMODITY, 1920-83

SOUTH CAROLINA	OTHER PRODUCTION		OTHER REVENUES RECEIVED	TOTAL REVENUES ALL MINERALS	
	Volume	Market Value			
1920-79	N/A	\$ 118,542	\$ 5,927	1920-79	\$ 5,927
1983	N/A	0	0	1980-83	0
				1920-83	\$ 5,927

SOUTH DAKOTA	OIL IN BARRELS		OIL REVENUES RECEIVED	GAS IN MCF		GAS REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1920-79	716,840	\$ 5,412,393	\$ 676,552	152,019	\$ 304,515	\$ 38,064
1980	128,768	3,394,556	424,319	436,131	981,656	122,707
1981	227,911	7,045,382	880,673	(18,599)*	16,523	2,065
1982	364,074	11,271,958	1,408,995	287,980	748,723	93,590
1983	385,176	11,085,988	1,385,748	363,000	901,000	112,600

*Data represent a credit.

	COAL IN TONS		COAL REVENUES RECEIVED	OTHER PRODUCTION		OTHER REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1920-79	41,435	\$ 69,381	\$ 7,119	N/A	\$ 20,561	\$ 2,571
1983	0	0	0	N/A	0	0

TOTAL REVENUES ALL MINERALS	
1920-79	\$ 724,306
1980	547,026
1981	882,738
1982	1,502,585
1983	1,498,348
1920-83	\$ 5,155,003

TENNESSEE	OTHER PRODUCTION		OTHER REVENUES RECEIVED	TOTAL REVENUES ALL MINERALS	
	Volume	Market Value			
1920-79	N/A	\$ 81,340	\$ 4,452	1920-79	\$ 4,452
1983	N/A	0	0	1980-83	0
				1920-83	\$ 4,452

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Table 11 (cont'd):

SUMMARY OF VOLUME, VALUE, ROYALTIES AND OTHER REVENUES FROM ONSHORE FEDERAL MINERAL LEASES BY STATE AND COMMODITY, 1920-83

TEXAS	OIL IN BARRELS		OIL REVENUES RECEIVED	GAS IN MCF		GAS REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1920-79	6,586,304	\$ 34,965,173	\$ 3,515,388	72,950,727	\$ 17,372,348	\$ 2,147,239
1980	198,682	3,255,926	373,422	1,343,723	2,261,090	158,422
1981	178,910	6,659,086	672,964	1,022,162	3,415,864	185,353
1982	146,384	4,803,470	579,969	1,350,349	4,465,045	358,905
1983	2,793	87,252	4,975	455,470	2,892,848	68,353
	OTHER PRODUCTION		OTHER REVENUES RECEIVED	TOTAL REVENUES ALL MINERALS		
	Volume	Market Value		Volume	Market Value	
1920-79	N/A	\$ 9,819,897	\$ 519,452	1920-79	\$ 6,182,079	
1980	N/A	72,984	16,719	1980	548,563	
1981	N/A	83,695	11,714	1981	870,031	
1982	N/A	71,670	9,900	1982	948,774	
1983	N/A	24,000	3,000	1983	76,328	
				1920-83	\$ 8,625,775	

UTAH	OIL IN BARRELS		OIL REVENUES RECEIVED	GAS IN MCF		GAS REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1920-79	197,526,461	\$ 679,710,917	\$ 80,341,719	589,224,963	\$ 129,733,276	\$15,894,063
1980	5,357,524	79,493,432	10,055,471	27,250,585	48,905,382	6,071,332
1981	5,741,831	179,029,658	22,464,242	29,823,600	62,295,509	7,761,048
1982	6,442,595	159,274,157	20,024,607	23,559,496	69,576,946	8,677,963
1983	4,865,000	126,830,000	15,853,800	20,650,300	62,148,700	7,753,200
	COAL IN TONS		COAL REVENUES RECEIVED	OTHER PRODUCTION		OTHER REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1920-79	126,148,329	\$ 954,050,710	\$ 17,332,623	N/A	\$ 52,376,746	\$ 2,487,468
1980	8,663,416	198,161,726	4,526,078	N/A	10,555,456	451,720
1981	8,718,640	216,092,766	5,063,613	N/A	15,156,946	684,933
1982	10,925,415	299,636,435	8,976,648	N/A	11,865,058	574,244
1983	10,124,231	272,953,183	7,611,949	N/A	13,096,336	644,767
TOTAL REVENUES ALL MINERALS						
1920-79	\$ 120,449,573					
1980	21,104,601					
1981	35,973,836					
1982	38,253,462					
1983	31,863,716					
1920-83	\$ 247,645,188					

ONSHORE MINERAL REVENUES : 33

Table 11 (cont'd):

SUMMARY OF VOLUME, VALUE, ROYALTIES AND OTHER REVENUES FROM ONSHORE FEDERAL MINERAL LEASES BY STATE AND COMMODITY, 1920-83

VIRGINIA	COAL IN TONS		COAL REVENUES		OTHER PRODUCTION		OTHER REVENUES	
	Volume	Market Value	RECEIVED		Volume	Market Value	RECEIVED	
1920-79	798	\$ 4,589	\$ 119		N/A	\$ 6,418,607	\$ 226,868	
1980	0	0	0		N/A	14,515	726	
1981	0	0	0		N/A	54,553	1,503	
1982	0	0	0		N/A	778,614	19,155	
1983	0	0	0		N/A	360,377	9,009	
TOTAL REVENUES ALL MINERALS								
1920-79	\$ 226,987							
1980	726							
1981	1,503							
1982	19,155							
1983	9,009							
1920-83	\$ 257,380							

WASHINGTON	COAL IN TONS		COAL REVENUES		TOTAL REVENUES	
	Volume	Market Value	RECEIVED		ALL MINERALS	
1920-79	1,766,231	\$ 6,800,914	\$ 300,156		1920-79	\$ 300,156
1980	0	0	0		1980	0
1981	17,657	322,900	3,531		1981	3,531
1982	86,711	1,257,298	17,342		1982	17,342
1983	230,746	4,614,917	46,149		1983	46,149
					1920-83	\$ 367,178

WEST VIRGINIA	GAS PRODUCTION		GAS REVENUES		TOTAL REVENUES	
	Volume	Market Value	RECEIVED		ALL MINERALS	
1920-79	33,397,022	\$ 9,122,716	\$ 1,523,515		1920-79	\$ 1,523,515
1980	2,553	2,085	264		1980	264
1981	555,729	1,209,700	151,211		1981	151,211
1982	575,000	1,334,000	166,750		1982	166,750
1983	520,000	1,232,400	154,000		1983	154,000
					1920-83	\$ 1,995,740

34 : ONSHORE MINERAL REVENUES

Table 11 (cont'd)

SUMMARY OF VOLUME, VALUE, ROYALTIES AND OTHER REVENUES FROM ONSHORE FEDERAL MINERAL LEASES BY STATE AND COMMODITY, 1920-83

WYOMING	OIL IN BARRELS		OIL REVENUES RECEIVED	GAS IN MCF		GAS REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1920-79	2,641,799,177	\$9,063,283,232	\$1,166,043,688	4,182,262,524	\$1,226,263,333	\$145,145,743
1980	70,575,096	1,541,407,807	191,660,745	203,470,447	376,737,461	46,421,603
1981	70,199,746	2,259,737,039	276,608,481	198,187,169	492,311,376	60,877,028
1982	67,742,499	1,978,462,922	240,821,908	221,972,002	670,938,161	82,863,457
1983	69,841,648	1,952,074,061	242,838,018	232,242,658	820,032,800	101,386,800
	COAL IN TONS		COAL REVENUES RECEIVED	OTHER PRODUCTION		OTHER REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1920-79	214,487,029	\$1,325,117,005	\$ 38,158,304	N/A	\$1,259,843,977	\$ 57,192,742
1980	33,433,532	297,092,692	8,700,686	N/A	163,477,094	7,659,230
1981	59,576,163	580,670,187	17,289,702	N/A	162,631,022	8,853,391
1982	63,612,335	788,411,390	21,331,355	N/A	226,432,588	6,381,288
1983	67,975,848	787,230,033	15,168,037	N/A	228,229,935	15,876,696
TOTAL REVENUES ALL MINERALS						
1920-79	\$1,406,540,477					
1980	254,442,264					
1981	363,628,602					
1982	351,398,008					
1983	375,269,551					
1920-83	\$2,751,278,902					

SUMMARY OF VOLUME, VALUE, ROYALTIES AND OTHER REVENUES BY COMMODITY FROM ONSHORE FEDERAL MINERAL LEASES LOCATED IN 39 STATES, 1920-83

	OIL IN BARRELS		OIL REVENUES RECEIVED	GAS IN MCF		GAS REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1920-79	6,241,172,228	\$20,856,847,489	\$2,676,189,244	23,543,067,163	\$ 6,633,932,502	\$ 830,079,074
1980	149,699,287	3,275,608,547	413,403,243	1,030,801,880	1,721,751,337	215,282,024
1981	155,573,698	4,891,778,825	604,782,996	1,083,063,410	2,186,873,097	274,731,205
1982	149,612,769	4,273,035,966	524,530,180	1,161,244,656	2,781,751,999	349,439,615
1983	150,636,957	4,101,508,135	522,661,131	986,555,606	2,794,478,578	348,616,847
1920-83	6,846,694,939	37,398,778,962	4,741,566,794	27,804,732,715	16,118,787,513	2,018,148,765
	COAL IN TONS		COAL REVENUES RECEIVED	OTHER PRODUCTION		OTHER REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1920-79	568,290,510	\$ 3,668,945,363	\$ 95,378,508	N/A	\$ 7,415,133,301	\$ 330,185,164
1980	69,092,512	854,899,092	32,255,361	N/A	909,113,625	44,247,789
1981	116,499,589	1,470,169,930	43,009,278	N/A	874,206,665	42,162,901
1982	101,092,851	1,520,424,951	61,898,704	N/A	888,408,452	36,613,331
1983	105,448,390	1,550,461,858	56,666,428	N/A	739,041,644	39,906,641
1920-83	960,423,852	9,064,901,194	289,208,279	N/A	10,825,903,687	493,115,826
TOTAL REVENUES ALL MINERALS						
1920-79	\$3,931,831,990					
1980	705,188,417					
1981	964,686,380					
1982	972,481,830					
1983	967,851,047					
1920-83	\$7,542,039,664					

Table 12:

1983 BONUSES PAID ON SALES OF ONSHORE FEDERAL MINERAL LEASES BY STATE AND COMMODITY

	No. of Leases	Acres Leased	Bonuses Paid		No. of Leases	Acres Leased	Bonuses Paid
ALABAMA:							
Coal	4	1,715	\$ 515,074				
ALASKA:							
Oil & gas	2	23,133	5,723,850				
ARKANSAS:							
Oil & gas	11	2,469	433,288				
CALIFORNIA:							
Geothermal	17	22,393	3,559				
COLORADO:							
Oil & gas	50	13,057	373,450				
LOUISIANA:							
Oil & gas	6	684	245,062				
MICHIGAN:							
Oil & gas	1	80	2,800				
MISSISSIPPI:							
Oil & gas	16	3,489	355,425				
MISSOURI:							
Oil & gas	1	1,329	43,193				
MONTANA:							
Oil & gas	12	2,106	332,406				
Coal	1	2,096	4,450,000				
NEW MEXICO							
Oil & Gas	224	44,604	14,599,475				
Coal	1	161	16,100				
NORTH DAKOTA							
Oil & Gas	4	760	\$ 301,919				
OHIO							
Oil & Gas	9	1,719	74,017				
OKLAHOMA							
Oil & Gas	23	1,598	302,918				
Coal	3	1,269	141,917				
OREGON							
Geothermal	67	138,577	2,141,097				
PENNSYLVANIA							
Oil & Gas	1	162	10,440				
TEXAS							
Oil & Gas	1	66	337,501				
UTAH							
Oil & Gas	51	18,273	4,617,317				
WASHINGTON							
Geothermal	1	2,307	720				
WYOMING							
Oil & Gas	93	18,173	3,397,045				
Coal	2	5,176	23,689,632				
TOTAL:	601	305,396	\$62,108,205				

NOTE: Fiscal year data in Public Land Statistics, 1983, Bureau of Land Management.


36 : ONSHORE MINERAL REVENUES

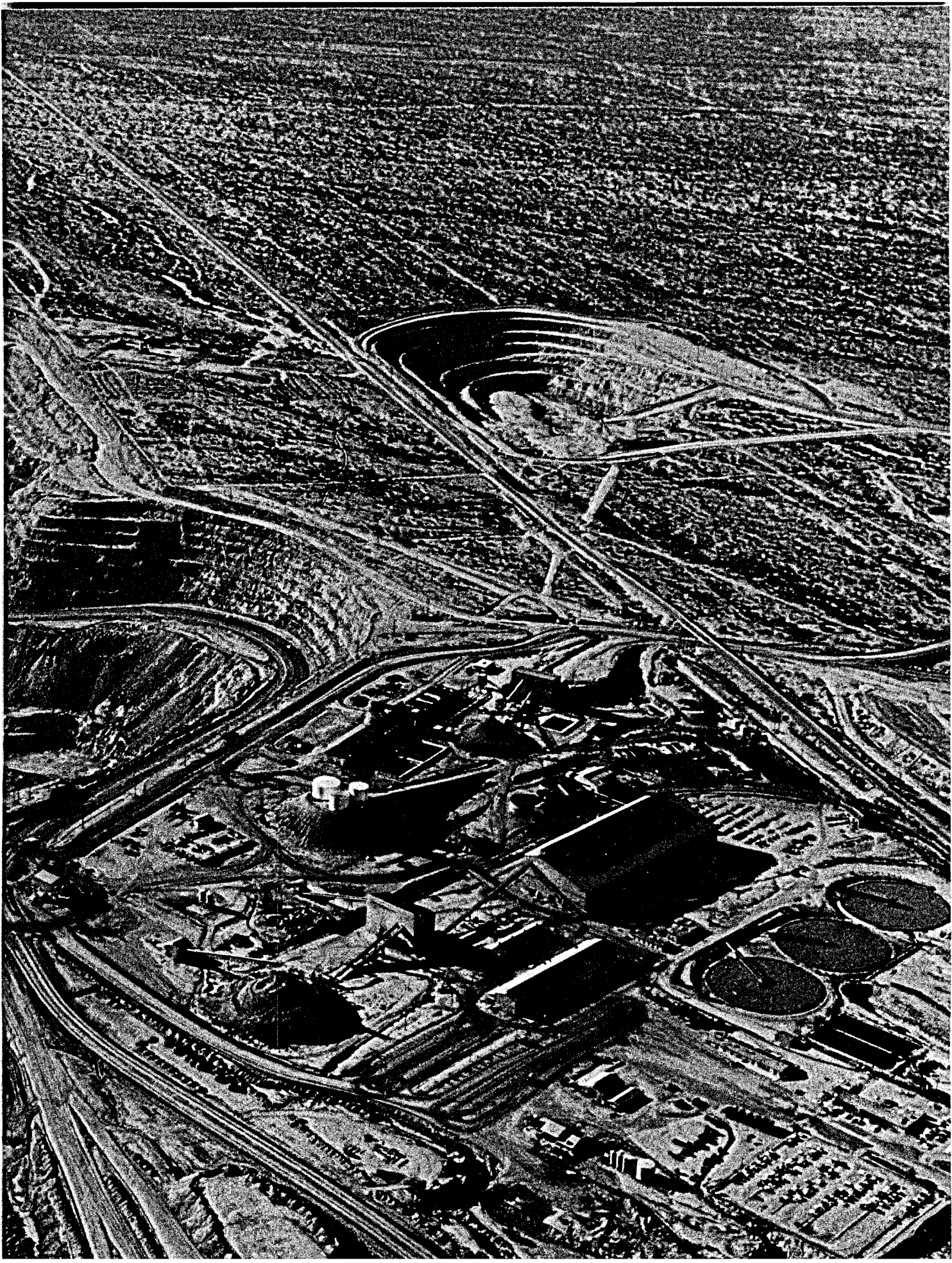
Table 13:

SUMMARY OF BONUSES PAID ON SALES OF ONSHORE FEDERAL MINERAL LEASES, 1954-83

	OIL & GAS		OTHER MINERALS		TOTALS	
	Acres Leased	Bonuses Paid	Acres Leased	Bonuses Paid	Acres Leased	Bonuses Paid
1954	7,726	\$ 255,912	4,362	\$ 59,260	12,088	\$ 315,172
1955	16,145	833,305	3,319	414,804	19,464	1,248,109
1956	21,497	1,241,479	7,608	170,293	29,105	1,411,772
1957	182,233	1,197,405	14,663	297,265	196,896	1,494,670
1958	10,564	274,432	28,968	1,927,505	39,532	2,201,937
1959	32,283	882,831	20,474	305,847	52,757	1,188,678
1960	21,947	668,865	11,748	111,291	33,695	780,156
1961	27,466	12,395,374	25,863	1,030,725	53,329	13,426,099
1962	32,711	7,059,451	41,507	223,379	74,218	7,282,830
1963	53,124	2,089,236	54,244	475,288	107,368	2,564,524
1964	20,335	649,918	32,290	1,112,824	52,625	1,762,742
1965	46,572	1,805,432	30,009	1,072,714	76,581	2,878,146
1966	35,453	572,837	48,979	1,071,869	84,432	1,644,706
1967	61,665	764,296	47,606	936,656	109,271	1,700,952
1968	71,505	972,523	95,303	3,102,240	166,808	4,074,763
1969	36,969	754,543	---	---	36,969	754,543
1970	38,724	478,890	18,493	370,395	57,217	849,285
1971	52,102	1,163,136	28,706	7,627,114	80,808	8,790,250
1972	88,326	1,117,543	---	---	88,326	1,117,543
1973	89,315	2,203,370	133	33,635	89,448	2,237,005
1974	65,247	2,295,623	24,493	449,192,426	89,740	451,488,049
1975	112,401	8,202,991	362	3,618	112,763	8,206,609
1976	74,616	4,934,208	---	---	74,616	4,934,208
1977	80,529	7,820,947	---	---	80,529	7,820,947
1978	76,438	12,705,965	574	31,380	77,012	12,737,345
1979	62,447	7,597,171	6,475	816,008	68,922	8,413,179
1980	71,623	22,048,947	9,897	933,369	81,520	22,982,316
1981	126,070	103,314,389	60,034	25,358,616	186,104	128,673,005
1982	991,186	95,304,216	352,510	29,966,642	1,343,696	125,270,858
1983	131,702	31,150,106	173,694	30,958,099	305,396	62,108,205
TOTAL:	2,738,921	\$332,755,341	1,142,314	\$557,603,262	3,881,235	\$890,358,603

SOURCE: Public Land Statistics, 1983, Bureau of Land Management.

Open pit copper mine (upper right) in the San Xavier  Reservation of the Papago Indian Tribe in Arizona. Ore concentrates are processed at the nearby Asarco Mission Mill.



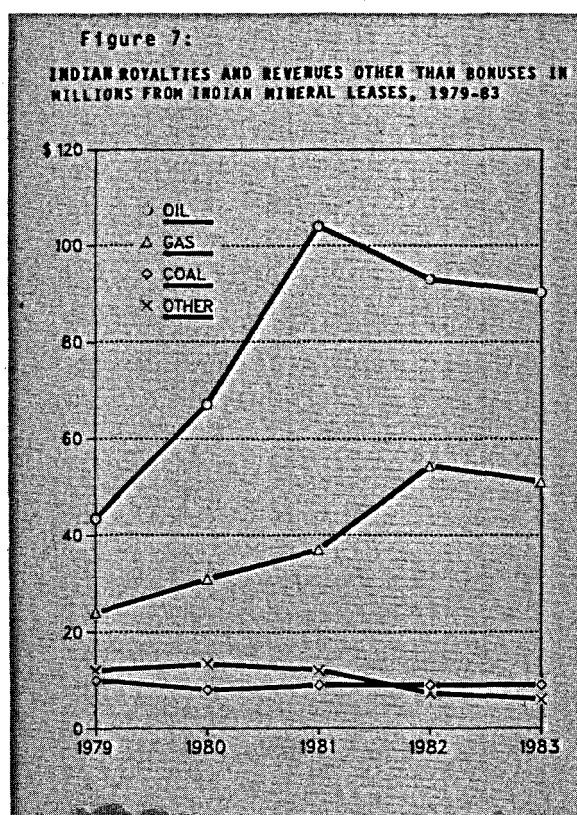
INDIAN MINERAL REVENUES

The market value of all fluid and solid minerals extracted from Indian leases amounted to \$6.8 billion from 1937 to 1979. For the same 42 years, Indian royalty revenues totalled \$809 million. Since 1979, the market value of oil, gas, coal, and other minerals production from Indian lands amounted to \$5.3 billion, and the royalties totalled \$599 million.

In 1983, all Indian royalties (except Osage) totalled \$156,127,450 for an overall decline of 4.1 percent (Table 14, page 46). Natural gas production led the downward trend with a sharp 11.5 percent drop—from 133 to 118 billion cubic feet. Nevertheless, gas royalties only declined 6.2 percent because the market value of gas rose from \$2.82 to \$3.02 per Mcf.

Oil production rose 1.5 percent on Indian leases—approximately twice the gains for onshore Federal oil. Nevertheless, royalty revenues followed the market and were down, from \$92,559,824 in 1982 to \$90,320,416 in 1983.

As of December 31, 1983, there were 87 more producing and producible oil and gas leases, licenses, and permits under supervision on Indian lands than in 1982—a total of 3,865 (Table 19). Coal leasing activity for the same period was unchanged (Table 20). But the total number of producing leases of other minerals was up slightly—from 33 to 36 (Table 21).



Coal royalties were also up—from \$8,527,548 to \$8,762,711 or 2.8 percent—although production declined slightly. In 1983, 28.4 million tons of coal were extracted from Indian lands as contrasted with 28.9 million tons the previous year. As before, most of this coal, valued at \$478 million, was produced from Navajo tribal lands in Arizona and New Mexico.

During 1983, several energy-producing Indian Tribes began to test the provisions of the Indian Mineral Development Act of 1982. Thus, a number of joint ventures and participation agreements were being developed or negotiated by year's end.



INDIAN TRIBES, NATIONS, AND COUNCILS WITH MINERAL LEASES PRODUCING IN 1983

Absentee Shawnee	Hopi	San Felipe Pueblo
Apache	Iowa	San Ildefonso Pueblo
Arapahoe	Jicarilla Apache	Seminole
Assiniboine	Kickapoo	Shawnee
Assiniboine Sioux	Kiowa	Shoshone Arapahoe
Blackfeet	Laguna Pueblo	Southern Ute
Caddo	Navajo	Spokane
Cherokee	Osage	Taos Pueblo
Cherokee-Choctaw-Chickasaw	Otoe	Three Affiliated Tribes:
Cheyenne	Palute	Arikara
Cheyenne River Sioux	Pala Band-Mission Indians	Gros Ventre
Chickasaw	Papago	Mandan
Chickasaw-Choctaw	Pawnee	Turtle Mountain Band of
Chippewa-Cree	Pima	Chippewa
Choctaw	Ponca	Turtle Mountain Chippewa
Citizens Band of Potawatomi	Potawatomi	Utah & Ouray
Clackamas	Quapaw	Ute Mountain
Comanche	Sac & Fox	Wichita
Creek	Saginaw Chippewa	Yakima
Crow	Sandia Pueblo	Yavapai

40 : INDIAN MINERAL REVENUES

Table 14:

SUMMARY OF VOLUME, VALUE, ROYALTIES AND OTHER REVENUES FROM INDIAN MINERAL LEASES BY STATE AND COMMODITY, 1937-83

ALASKA	GAS IN MCF		GAS REVENUES RECEIVED	TOTAL REVENUES ALL MINERALS	
	Volume	Market Value			
1937-79	277,556	\$ 39,269	\$ 6,541	1937-79	\$ 6,541
1983	0	0	0	1980-83	0
				1937-83	\$ 6,541

ARIZONA	OIL IN BARRELS		OIL REVENUES RECEIVED	GAS IN MCF		GAS REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1937-79	17,325,218	\$ 60,698,800	\$ 9,913,588	12,439,967	\$ 2,217,158	\$ 278,500
1980	405,239	5,248,547	817,619	128,600	158,241	19,780
1981	342,757	11,227,118	1,924,334	85,358	106,964	13,370
1982	344,841	11,227,118	1,826,447	66,973	41,611	5,201
1983	261,089	8,154,981	1,324,079	50,641	56,981	7,123

	COAL IN TONS		COAL REVENUES RECEIVED	OTHER PRODUCTION		OTHER REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1937-79	62,805,799	\$382,024,794	\$20,619,141	N/A	\$240,932,188	\$ 21,267,119
1980	10,879,693	135,120,054	4,242,332	N/A	5,483,9	596,540
1981	12,188,548	155,984,690	5,669,264	N/A	24,012,798	782,069
1982	13,140,070	217,983,809	3,217,348	N/A	2,833,585	3,106,371
1983	12,286,574	234,033,313	3,496,174	N/A	3,252,037	643,480

TOTAL REVENUES ALL MINERALS	
1937-79	\$ 52,078,708
1980	5,676,271
1981	8,389,037
1982	8,155,367
1983	5,470,856
1937-83	\$ 79,770,239

CALIFORNIA	OTHER PRODUCTION		OTHER REVENUES RECEIVED	TOTAL REVENUES ALL MINERALS	
	Volume	Market Value			
1937-79	N/A	\$ 15,800,391	\$ 1,153,304	1937-79	\$ 1,153,304
1980	N/A	508,136	146,573	1980	146,573
1981	N/A	274,393	88,080	1981	88,080
1982	N/A	199,867	131,207	1982	131,207
1983	N/A	200,574	72,304	1983	72,304
				1937-83	\$ 1,591,468

NOTE: Calendar year data include oil volume in barrels (42 U.S. gallons), gas in thousand cubic feet (Mcf), coal in short tons (#2,000), revenues in dollars. "Other" includes certain of the solid and fluid minerals footnoted in Table 2.

Table 14 (cont'd):

SUMMARY OF VOLUME, VALUE, ROYALTIES AND OTHER REVENUES FROM INDIAN MINERAL LEASES BY STATE AND COMMODITY, 1937-83

COLORADO	OIL IN BARRELS		OIL REVENUES RECEIVED	GAS IN MCF		GAS REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1937-79	2,785,672	\$ 8,721,043	\$ 1,266,115	418,815,699	\$ 93,944,748	\$ 11,832,566
1980	54,140	1,043,361	153,401	15,716,835	20,421,385	2,582,202
1981	66,191	1,947,320	275,459	16,622,556	29,718,372	3,783,832
1982	51,197	1,637,484	231,967	17,926,860	36,794,125	4,672,661
1983	51,569	1,375,080	200,780	15,775,700	32,971,213	4,121,402
	COAL IN TONS		COAL REVENUES RECEIVED	OTHER PRODUCTION		OTHER REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1937-79	1,659	\$ 7,723	\$ 198	N/A	\$ 583,578	\$ 66,659
1980	0	0	0	N/A	156,031	8,463
1981	0	0	0	N/A	109,432	34,981
1982	0	0	0	N/A	45,602	2,533
1983	0	0	0	N/A	83,800	4,700
TOTAL REVENUES ALL MINERALS						
1937-79	\$	13,165,538				
1980		2,743,884				
1981		4,094,272				
1982		4,907,161				
1983		4,326,882				
1937-83	\$	29,237,737				

FLORIDA	OIL IN BARRELS		OIL REVENUES RECEIVED	OTHER PRODUCTION		OTHER REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1937-79	4,688	\$ 51,367	\$ 6,422	N/A	\$ 451,024	\$ 45,103
1983	0	0	0	N/A	0	0
TOTAL REVENUES ALL MINERALS						
1937-79	\$	51,525				
1980-83		0				
1937-83	\$	51,525				

IDAHO	OTHER PRODUCTION		OTHER REVENUES RECEIVED	TOTAL REVENUES ALL MINERALS	
	Volume	Market Value			
1937-79	N/A	\$ 140,159,852	\$ 11,627,593	1937-79	\$ 11,627,593
1980	N/A	14,548,959	1,454,896	1980	1,454,896
1981	N/A	17,853,762	1,785,376	1981	1,785,376
1982	N/A	0	0	1982	0
1983	N/A	0	0	1983	0
				1937-83	\$ 14,867,865

42 : INDIAN MINERAL REVENUES

Table 14 (cont'd):

SUMMARY OF VOLUME, VALUE, ROYALTIES AND OTHER REVENUES FROM INDIAN MINERAL LEASES BY STATE AND COMMODITY, 1937-83

MICHIGAN	OIL IN BARRELS		OIL REVENUES RECEIVED	TOTAL REVENUES ALL MINERALS	
	Volume	Market Value			
1937-79	29,535	\$ 95,449	\$ 14,859	1937-79	\$ 14,859
1980	82	3,040	247	1980	247
1981	326	12,303	1,553	1981	1,553
1982	285	8,550	1,070	1982	1,070
1983	245	7,150	894	1983	894
				1937-83	\$ 18,623

MINNESOTA	OTHER PRODUCTION		OTHER REVENUES RECEIVED	TOTAL REVENUES ALL MINERALS	
	Volume	Market Value			
1937-79	N/A	\$ 178,461	\$ 6,455	1937-79	\$ 6,455
1983	N/A	0	0	1980-83	0
				1937-83	\$ 6,455

MONTANA	OIL IN BARRELS		OIL REVENUES RECEIVED	GAS IN MCF		GAS REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1937-79	80,151,450	\$ 265,469,405	\$ 36,054,232	16,203,146	\$ 5,021,428	\$ 764,613
1980	1,303,624	39,911,288	6,038,578	1,037,248	1,696,670	269,830
1981	1,114,025	39,614,722	4,694,940	1,258,066	2,262,655	340,476
1982	1,303,246	40,515,438	5,837,203	1,381,849	2,824,263	447,645
1983	1,327,100	39,963,050	5,598,050	1,210,000	2,856,000	450,300

	COAL IN TONS		COAL REVENUES RECEIVED	OTHER PRODUCTION		OTHER REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1937-79	23,151,017	\$ 146,231,960	\$ 9,740,790	N/A	\$ 15,431,806	\$ 861,367
1980	2,742,031	23,042,720	1,609,606	N/A	196,899	9,302
1981	3,074,386	21,025,506	1,424,677	N/A	550,454	60,769
1982	3,704,018	41,369,320	2,603,346	N/A	351,982	19,062
1983	1,729,209	35,591,448	1,805,955	N/A	486,000	26,000

TOTAL REVENUES ALL MINERALS	
1937-79	\$ 47,421,002
1980	7,927,316
1981	6,520,862
1982	8,907,256
1983	7,880,305
1937-83	\$ 78,656,741

NEVADA	OTHER PRODUCTION		OTHER REVENUES RECEIVED	TOTAL REVENUES ALL MINERALS	
	Volume	Market Value			
1937-79	N/A	\$ 1,450,203	\$ 194,870	1937-79	\$ 194,870
1980	N/A	274,331	54,649	1980	54,649
1981	N/A	1,167,237	40,802	1981	40,802
1982	N/A	362,850	28,360	1982	28,360
1983	N/A	83,204	8,957	1983	8,957
				1937-83	\$ 327,638

Table 14 (cont'd):

SUMMARY OF VOLUME, VALUE, ROYALTIES AND OTHER REVENUES FROM INDIAN MINERAL LEASES BY STATE AND COMMODITY, 1937-83

NEW MEXICO	OIL IN BARRELS		OIL REVENUES RECEIVED	GAS IN MCF		GAS REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1937-79	91,674,985	\$ 365,549,110	\$ 50,169,300	1,346,617,053	\$436,931,481	\$ 57,250,807
1980	2,028,233	61,309,561	8,390,707	56,446,499	116,155,519	15,515,933
1981	2,151,534	75,892,449	10,525,182	57,567,206	145,551,121	18,770,971
1982	1,873,858	65,100,875	9,009,444	57,225,219	166,168,362	21,706,536
1983	1,792,850	55,557,600	8,446,713	49,358,200	148,074,600	18,509,300
	COAL IN TONS		COAL REVENUES RECEIVED	OTHER PRODUCTION		OTHER REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1937-79	85,632,998	\$ 314,641,966	\$ 13,538,944	N/A	\$486,229,381	\$ 71,669,036
1980	10,189,991	90,715,478	2,017,739	N/A	43,056,212	9,918,857
1981	7,023,191	88,475,838	1,510,363	N/A	36,859,820	8,212,124
1982	12,087,367	149,796,232	2,709,944	N/A	8,749,377	1,622,868
1983	14,437,853	208,393,759	3,460,582	N/A	55,369,727	4,085,746

**TOTAL REVENUES
ALL MINERALS**

1937-79	\$ 192,628,087
1980	35,843,236
1981	39,018,640
1982	35,048,792
1983	34,502,341
1937-83	\$ 337,041,096

NORTH DAKOTA	OIL IN BARRELS		OIL REVENUES RECEIVED	GAS IN MCF		GAS REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1937-79	8,249,897	\$ 26,545,817	\$ 3,369,139	9,746,447	\$ 1,039,501	\$ 130,310
1980	80,686	1,591,579	208,130	99,871	65,547	8,213
1981	132,995	4,455,461	620,969	165,561	104,524	13,206
1982	114,888	3,607,651	503,846	130,035	154,128	22,143
1983	105,950	3,109,100	446,100	72,000	85,300	10,650
	COAL IN TONS		COAL REVENUES RECEIVED	OTHER PRODUCTION		OTHER REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1937-79	2,921	\$ 8,834	\$ 540	N/A	\$ 4,197,597	\$ 336,855
1980	0	0	0	N/A	350,865	14,629
1981	0	0	0	N/A	185,363	7,732
1982	0	0	0	N/A	117,022	4,890
1983	0	0	0	N/A	(4,110)*	(150)*

**TOTAL REVENUES
ALL MINERALS**

1937-79	\$ 3,836,844
1980	230,972
1981	641,907
1982	530,879
1983	456,600
1937-83	\$ 5,697,202

*Prior period credit adjustment.

44 : INDIAN MINERAL REVENUES

Table 14 (cont'd):

SUMMARY OF VOLUME, VALUE, ROYALTIES AND OTHER REVENUES FROM INDIAN MINERAL LEASES BY STATE AND COMMODITY, 1937-83

OKLAHOMA	OIL IN BARRELS		OIL REVENUES RECEIVED	GAS IN MCF		GAS REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1937-79	336,632,418	\$1,008,000,731	\$119,829,249	630,136,416	\$186,855,819	\$ 24,179,672
1980	3,679,365	92,375,905	12,480,631	25,294,586	42,135,536	5,962,793
1981	3,377,106	115,787,004	16,235,617	23,757,251	49,219,843	7,445,012
1982	3,443,979	107,110,301	15,743,766	31,452,047	103,442,938	17,405,493
1983	3,375,100	98,721,700	14,502,200	30,823,000	103,257,100	17,367,800
	COAL IN TONS		COAL REVENUES RECEIVED	OTHER PRODUCTION		OTHER REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1937-79	9,370,066	\$ 37,097,212	\$ 1,049,483	N/A	\$307,180,887	\$ 23,199,867
1980	5,620	134,879	4,384	N/A	489,816	91,770
1981	0	0	0	N/A	629,760	115,059
1982	0	0	(3,090)*	N/A	1,529,787	138,202
1983	0	0	0	N/A	661,084	141,116

*Prior period credit adjustment.

TOTAL REVENUES ALL MINERALS

1937-79	\$ 168,249,271
1980	18,539,578
1981	23,795,688
1982	33,284,371
1983	32,011,116
1937-83	<u>\$ 275,880,024</u>

SOUTH DAKOTA	OIL IN BARRELS		OIL REVENUES RECEIVED	COAL IN TONS		COAL REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1937-79	57,875	\$ 694,497	\$ 115,750	15,876	\$ 72,302	\$ 3,175
1980	3,706	87,005	14,501	0	0	0
1981	1,428	35,137	5,856	0	0	0
1982	2,389	76,410	12,735	0	0	0
1983	1,550	46,200	7,700	0	0	0
	OTHER PRODUCTION		OTHER REVENUES RECEIVED	TOTAL REVENUES ALL MINERALS		
	Volume	Market Value		Volume	Market Value	
1937-79	N/A	\$ 5,950,624	\$ 474,609	1937-79	\$ 593,534	
1980	N/A	0	0	1980	14,501	
1981	N/A	0	0	1981	5,856	
1982	N/A	0	0	1982	12,735	
1983	N/A	0	0	1983	7,700	
				1937-83	<u>\$ 634,326</u>	

INDIAN MINERAL REVENUES : 45

Table 14 (cont'd):

SUMMARY OF VOLUME, VALUE, ROYALTIES AND OTHER REVENUES FROM INDIAN MINERAL LEASES BY STATE AND COMMODITY, 1937-83

UTAH	OIL IN BARRELS		OIL REVENUES RECEIVED	GAS IN MCF		GAS REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1937-79	335,233,795	\$1,375,753,961	\$208,890,803	229,391,406	\$ 69,314,846	\$ 10,626,408
1980	9,597,679	167,272,016	26,573,970	3,729,220	18,243,023	2,982,001
1981	9,014,098	308,136,794	48,345,830	7,847,505	18,119,111	2,965,454
1982	8,274,857	258,292,771	41,436,094	9,435,261	27,793,618	4,574,342
1983	8,693,450	274,283,900	42,882,900	6,753,000	32,845,300	5,467,500
	OTHER PRODUCTION		OTHER REVENUES RECEIVED	TOTAL REVENUES ALL MINERALS		
	Volume	Market Value		Volume	Market Value	
1937-79	N/A	\$ 49,484,742	\$ 2,607,153	1937-79	\$222,124,364	
1980	N/A	18,370,253	1,076,132	1980	30,632,103	
1981	N/A	16,386,712	895,026	1981	52,206,310	
1982	N/A	44,484,658	2,161,887	1982	48,172,323	
1983	N/A	17,966,409	996,595	1983	49,346,995	
				1937-83	\$402,482,095	

WASHINGTON	OIL IN BARRELS		OIL REVENUES RECEIVED	OTHER PRODUCTION		OTHER REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1937-79	2,939	\$ 1,170	\$ 146	N/A	\$ 48,117,524	\$ 4,917,858
1980	0	0	0	N/A	110,243	19,342
1981	0	0	0	N/A	97,059	19,613
1982	0	0	0	N/A	106,094	14,803
1983	0	0	0	N/A	26,171	16,500
TOTAL REVENUES ALL MINERALS						
1937-79	\$ 4,918,004					
1980	19,342					
1981	19,613					
1982	14,803					
1983	16,500					
1937-83	\$ 4,988,262					

WISCONSIN	OTHER PRODUCTION		OTHER REVENUES RECEIVED	TOTAL REVENUES ALL MINERALS	
	Volume	Market Value		Volume	Market Value
1937-79	N/A	\$ 40,711	\$ 3,271	1937-79	\$ 3,271
1983	N/A	0	0	1980-83	0
				1937-83	\$ 3,271

46 : INDIAN MINERAL REVENUES

Table 14 (cont'd):

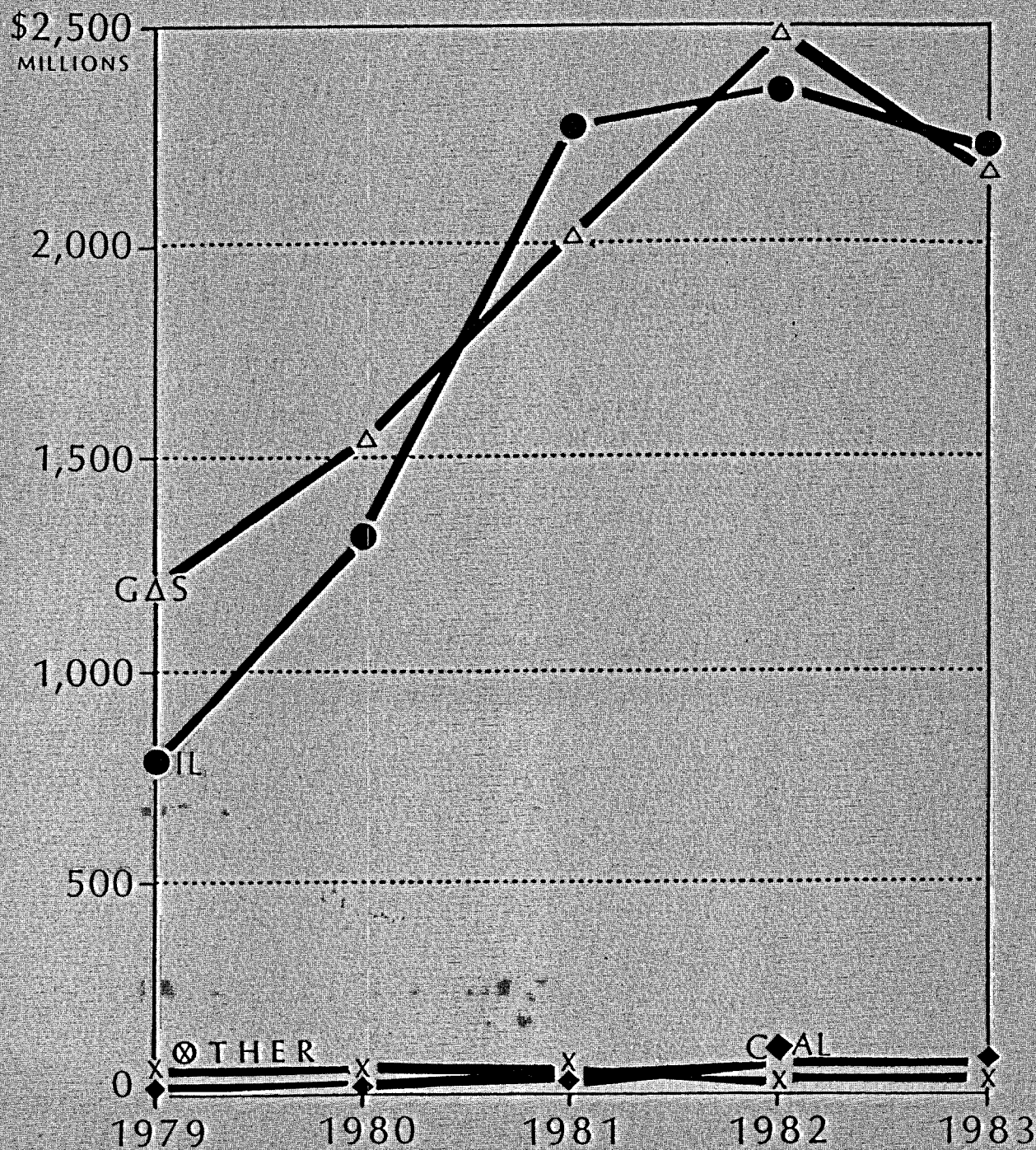
SUMMARY OF VOLUME, VALUE, ROYALTIES AND OTHER REVENUES FROM INDIAN MINERAL LEASES BY STATE AND COMMODITY, 1937-83

WYOMING	OIL IN BARRELS		OIL REVENUES RECEIVED	GAS IN MCF		GAS REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1937-79	214,541,430	\$ 608,182,008	\$ 81,221,735	237,743,872	\$ 59,949,366	\$ 8,949,971
1980	4,839,034	80,592,737	12,508,129	12,885,366	21,107,916	3,385,668
1981	5,744,444	147,421,863	21,289,668	12,179,482	23,144,537	3,547,986
1982	4,400,381	123,715,600	17,957,252	15,378,204	37,394,020	5,544,353
1983	4,498,000	116,589,000	16,911,000	13,678,000	35,275,000	5,072,000
OTHER PRODUCTION		OTHER REVENUES RECEIVED	TOTAL REVENUES ALL MINERALS			
Volume	Market Value					
1937-79	N/A	\$ 3,444,167	\$ 331,554	1937-79	\$ 90,413,622	
1980	N/A	207,762	24,018	1980	15,917,815	
1981	N/A	545,441	28,107	1981	24,865,761	
1982	N/A	724,930	30,818	1982	23,532,423	
1983	N/A	1,017,000	43,000	1983	22,026,000	
				1937-83	<u>\$176,755,621</u>	

SUMMARY OF VOLUME, VALUE, ROYALTIES AND OTHER REVENUES BY COMMODITY FROM INDIAN MINERAL LEASES LOCATED IN 18 STATES, 1937-83

	OIL IN BARRELS		OIL REVENUES RECEIVED	GAS IN MCF		GAS REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1937-79	1,086,686,963	\$3,719,762,188	\$510,842,192	2,901,374,501	\$ 855,314,786	\$ 114,019,894
1980	21,991,788	449,435,039	67,185,913	115,338,225	219,983,837	30,726,238
1981	21,944,904	705,242,962	103,919,408	119,482,985	268,227,127	36,880,307
1982	19,809,921	611,292,198	92,559,824	132,996,448	374,613,065	54,378,374
1983	20,106,903	597,807,761	90,320,416	117,720,541	355,421,494	51,006,075
1937-83	<u>1,170,540,479</u>	<u>6,083,540,148</u>	<u>864,827,753</u>	<u>3,386,912,700</u>	<u>2,073,560,309</u>	<u>287,010,888</u>
	COAL IN TONS		COAL REVENUES RECEIVED	OTHER PRODUCTION		OTHER REVENUES RECEIVED
	Volume	Market Value		Volume	Market Value	
1937-79	180,980,336	\$ 880,084,791	\$ 44,952,271	N/A	\$1,319,633,136	\$ 138,673,035
1980	23,817,335	249,013,131	7,874,061	N/A	83,753,105	13,415,171
1981	22,286,125	265,486,034	8,604,304	N/A	98,672,231	12,069,738
1982	28,931,455	409,149,361	8,527,548	N/A	59,505,754	7,261,001
1983	28,453,636	478,018,520	8,762,711	N/A	79,141,896	6,038,248
1937-83	<u>284,468,887</u>	<u>\$2,281,751,837</u>	<u>\$ 78,720,895</u>	<u>N/A</u>	<u>\$1,640,706,122</u>	<u>\$ 177,457,193</u>
TOTAL REVENUES ALL MINERALS						
1937-79	\$ 808,487,392					
1980	119,201,383					
1981	161,473,757					
1982	162,726,747					
1983	156,127,450					
1937-83	<u>\$1,408,016,729</u>					

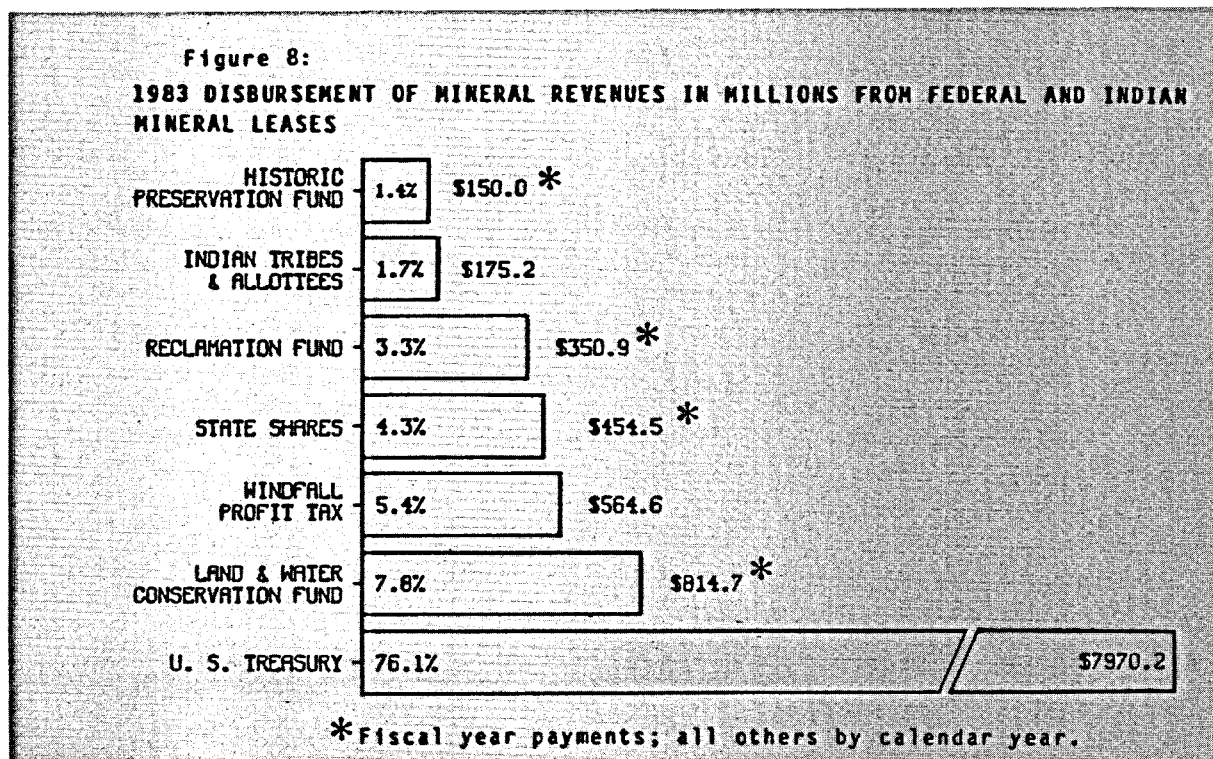
MINERAL REVENUES



DISTRIBUTION OF FEDERAL & INDIAN MINERAL REVENUES

All revenue collections from mineral leasing on Federal lands were distributed in 1983 by the Minerals Management Service and the Bureau of Land Management to the States, to the Federal Treasury and to its windfall profit tax account, and to various special-purpose accounts. All royalty revenues collected from Indian lands were distributed by the Bureau of Indian Affairs to the appropriate Indian Tribes and Allottees. The formulas for these disbursements are established by law.

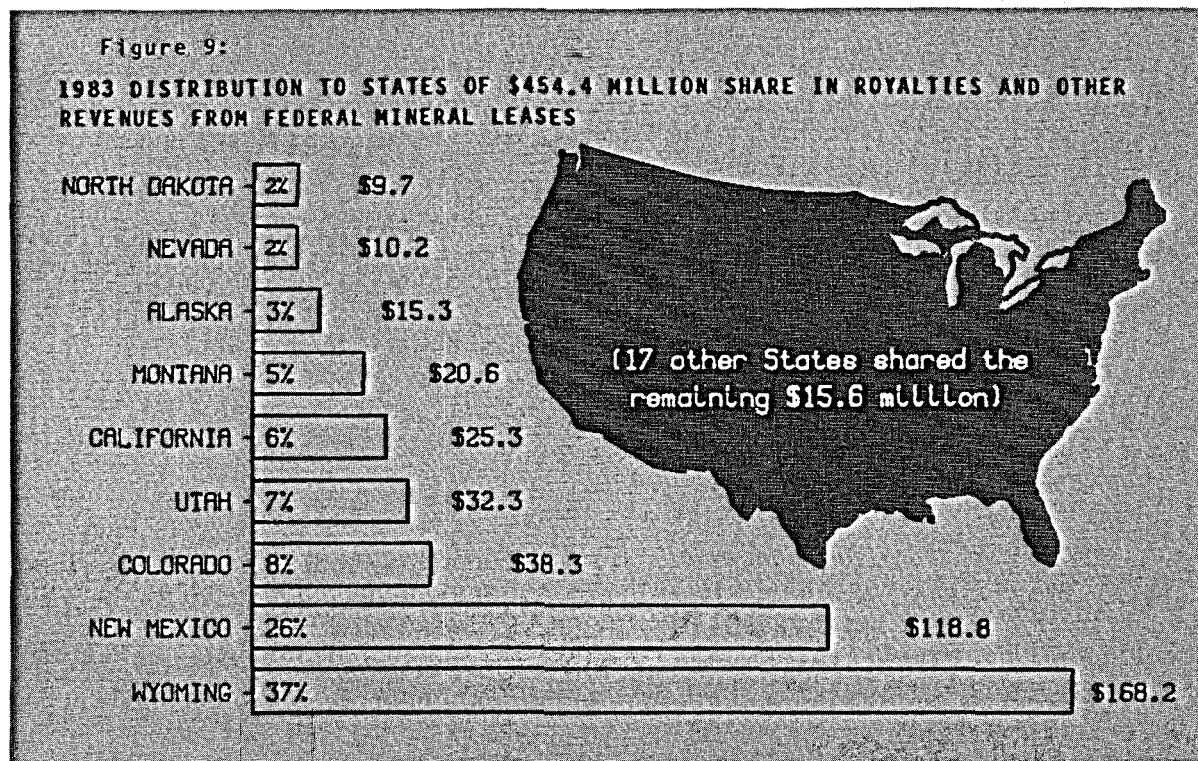
Last year, 76.1 percent of all mineral revenues went to the U.S. Treasury in addition to the 5.4 percent paid as windfall profit tax on oil extracted from Federal leases (Table 1-b). Another 4.3 percent of the total 1983 revenues were distributed directly to States and 12.5 percent to earmarked funds created by law for specific purposes. All royalty revenues from Indian leases, representing 1.7 percent of all 1983 Federal and Indian revenues, were distributed entirely to tribal governments and individual allotment owners.



The Mineral Leasing Act of February 25, 1920 provides that States whose boundaries encompass Federal mineral leases will share the revenues with the Federal Government. Accordingly, in 1983, 26 States shared \$454,359,341 in disbursements of bonus, rental, and royalty revenues (Table 16). Of these, 5 mineral-producing States (Wyoming, New Mexico, Colorado, Utah, and California) received 84 percent of that money; 21 States received the other 16 percent. Wyoming's share was \$168.2 million or 37 percent of the total disbursed to the States. The market value of the oil, gas, coal, and other minerals produced from Federal leases in Wyoming was \$3.8 billion alone. New Mexico, the recipient of the second largest share, collected \$119 million or 26 percent of the \$454.4 million.

The periodic disbursement of bonuses, rents, and royalty income is governed by legislation and regulations. Historically, payments to State governments had been made twice each fiscal year, generally in May and November. However, those State shares of mineral revenues collected after October 1, 1983, are being disbursed on a monthly basis, as prescribed in the Federal Oil and Gas Royalty Management Act of 1982.

Tribal and allottee revenues are processed and passed through to the Bureau of Indian Affairs for disbursement to Indian accounts as rapidly as possible after receipt.



Public Lands Leases

The royalty revenues collected from public lands leases are distributed to the States, various funds, and the general fund of the Treasury.

All States, excepting Alaska, receive 50 percent of all rents, bonuses, and royalties collected from any public lands leases located within a State's boundaries. These revenues do not include the windfall profit tax on crude oil, which is deducted before any allocation is made. Of the remaining mineral revenues from public lands leases, 40 percent are deposited in the Reclamation Fund and 10 percent in the general fund of the Treasury.

Alaska receives 90 percent of all rents, bonuses, and royalties paid for mineral production on public lands leases after deduction of payments and escrows paid under the provisions of the Alaska Native Claims Settlement Act of 1971 and after deduction of windfall profit tax on oil when appropriate. The State also receives 50 percent of all rents, bonuses, and royalties collected from the National Petroleum Reserve of Alaska.

Acquired Lands Leases

All rents, royalties, and bonuses for leases issued under the 1947 Mineral Leasing Act for Acquired Lands are collected by MMS on behalf of the U.S. Forest Service, Department of Agriculture, and disbursed as mandated.

Royalty revenues from leases within a national forest are distributed as follows: 25 percent for the State in which the mineral resource is produced; 10 percent for the Forests, Roads, and Trails Fund; and 65 percent for the general Treasury fund.

Royalty revenues from leases within a national grassland are distributed as follows: 25 percent for the county in which the mineral resource is produced; 10 percent for the Forests, Roads, and Trails Fund; and 65 percent for the general Treasury fund.

Receipts from other acquired lands are deposited in a general Treasury account. In some instances the funds revert to the agency that has administrative jurisdiction over the land.

Indian Lands Leases

Royalties and rentals from Indian tribal and allottee land leases are disbursed to the Bureau of Indian Affairs which then distributes them to the Indian Tribes, Indian Nations, and Allottees (individual Indians).

The Osage Nation manages its own leases and collects its own revenues.

Military Lands Leases

All royalty revenues from military lands leases issued before 1981 are collected for deposit in the general fund of the Treasury. For leases issued since January 1, 1981, all royalty revenues collected are distributed in the same manner as revenues from public lands leases. The 1983 revenues from all military lands leases amounted to \$4,578,452.

Outer Continental Shelf Lands Leases

Royalty revenues from offshore leases in the Outer Continental Shelf (OCS) lands are distributed to two special funds and the general fund of the Treasury. In order to maintain the Land and Water Conservation Fund at \$900 million, transfers are made in each fiscal year from rents, bonuses, and royalties. These transfers amounted to \$855 million in FY 1982 and to \$815 million in FY 1983. Transfers to the Historic Preservation Fund from rents, bonuses, and royalties amounted to \$150 million in FY 1982 and to \$150 million in FY 1983.

The balance of offshore royalties go into the windfall profit tax account and the general fund of the Treasury.

Table 15:

1983 ROYALTIES, RENTS, AND BONUSES FROM MINERAL LEASES IN FEDERAL AND INDIAN LANDS

	FEDERAL LANDS		INDIAN LANDS in 18 States	TOTAL REVENUES
	Offshore	Onshore		
Oil Royalties	\$1,603,942,838	\$ 522,661,131	\$ 90,320,416	\$ 2,216,924,385
Gas Royalties	1,771,745,327	348,616,847	51,006,075	2,171,368,249
Coal Royalties	N/A	56,666,428	8,762,711	65,429,139
Other Royalties	N/A	39,906,641	6,038,248	45,944,889
Minimum Royalties	4,463,658	1,446,721	N/A	5,910,379
Rents	32,267,343	128,065,207	3,621,550	163,954,100
Bonuses	5,749,016,369	62,108,205*	15,418,356	5,826,542,930
T O T A L :	\$9,161,435,535	\$1,159,471,180	\$175,167,356	\$10,496,074,071

*Fiscal 1983 data in Public Land Statistics, 1983, Bureau of Land Management.

NOTE: "Other Royalties" are collected for certain of the solid and fluid minerals footnoted in Table 2.

Minimum royalties, by terms of the lease, may be collected at the discretion of the Secretary of the Interior for an offshore Federal lease after the expiration of the lease year that commences after the discovery of paying quantities.

52 : DISTRIBUTION OF MINERAL REVENUES

Table 16:

SUMMARY OF DISTRIBUTION OF MINERAL REVENUE SHARES TO THE 26 STATES IN WHICH FEDERAL MINERAL LEASES ARE LOCATED, 1920-83

STATE SHARES IN THOUSANDS OF DOLLARS						
	1920-79	1980	1981	1982	1983	1920-83
1. Wyoming	\$ 659,558	\$115,062	\$119,956	\$172,096	\$168,255	\$1,234,927
2. New Mexico	471,578	105,081	128,127	146,813	118,815	970,414
3. Colorado	238,292	21,306	24,939	42,807	38,323	365,667
4. Utah	117,147	17,028	21,391	80,916	32,377	268,859
5. California	158,492	23,788	24,634	35,440	25,349	267,703
6. Montana	84,572	9,954	13,110	18,024	20,611	146,271
7. Alaska	128,198	2,497	18,865	44,380	15,279	209,219
8. Nevada	23,598	7,187	10,291	12,595	10,216	63,887
9. North Dakota	8,599	4,229	4,094	7,007	9,729	33,658
10. Idaho	12,877	2,895	3,284	5,015	3,344	27,415
11. Arizona	6,153	2,005	4,802	4,872	3,017	20,849
12. Oregon	1,329	306	1,084	4,416	2,975	10,110
13. Oklahoma	9,083	1,594	2,238	2,211	1,226	16,352
14. South Dakota	4,522	738	751	1,280	1,157	8,448
15. Washington	258	36	48	583	728	1,653
16. Arkansas	1,422	236	283	21,614	652	24,207
17. Louisiana	6,565	355	612	617	637	8,786
18. Kansas	5,112	891	669	1,022	625	8,319
19. Alabama	275	38	36	223	550	1,122
20. Florida	203	27	165	17	234	646
21. Nebraska	377	184	148	220	169	1,098
22. Michigan	242	32	54	70	41	439
23. Mississippi	239	31	39	7,422	40	7,771
24. Tennessee	---	---	---	---	8	8*
25. Minnesota	---	---	---	---	1	1*
26. Texas	---	---	---	---	1	1*
TOTAL :	\$1,938,691	\$315,500	\$379,620	\$609,660	\$454,359	\$3,697,830

*Cumulative totals for these and certain other States do not necessarily include some very small revenue shares that may have been disbursed during the previous 62 years.

NOTE: Mandated distribution to the States is based on percentage shares in bonuses, rents, royalties, and other mineral revenue collections. The States are ranked here by their 1983 shares of Federal mineral revenue collections.

Included in the above 1983 State shares, from the National Petroleum Reserve: \$1,649,475 for Alaska; from acquired military lands: \$411,687 for Arkansas, \$1,950 for California, \$14,870 for Florida, \$957 for Oregon, \$15,601 for Tennessee, \$1,002 for Texas; from joint Federal-State audits of delinquent royalty payors: \$2,171,069 for Colorado, \$290,228 for Montana, \$35,853 for Nevada, \$198,095 for North Dakota, \$1,233 for Utah, \$5,357,303 for Wyoming.

SOURCE: Public Land Statistics, 1983, Bureau of Land Management.

Table 17:

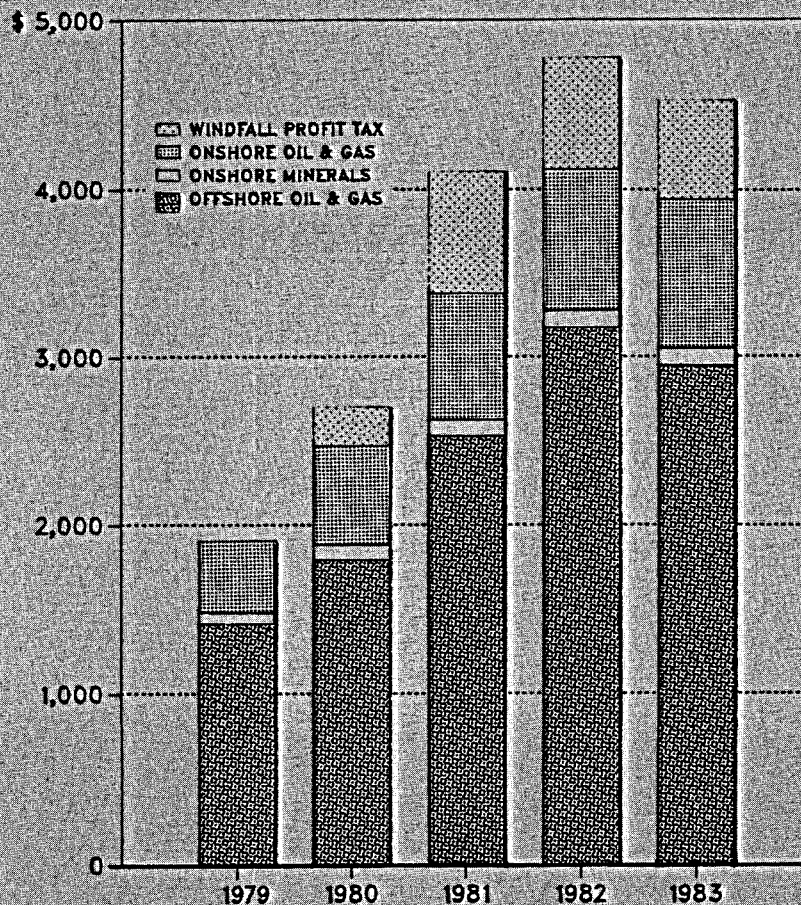
SUMMARY OF INDIAN ROYALTIES AND OTHER MINERAL RECEIPTS BY YEAR AND COMMODITY, 1937-83

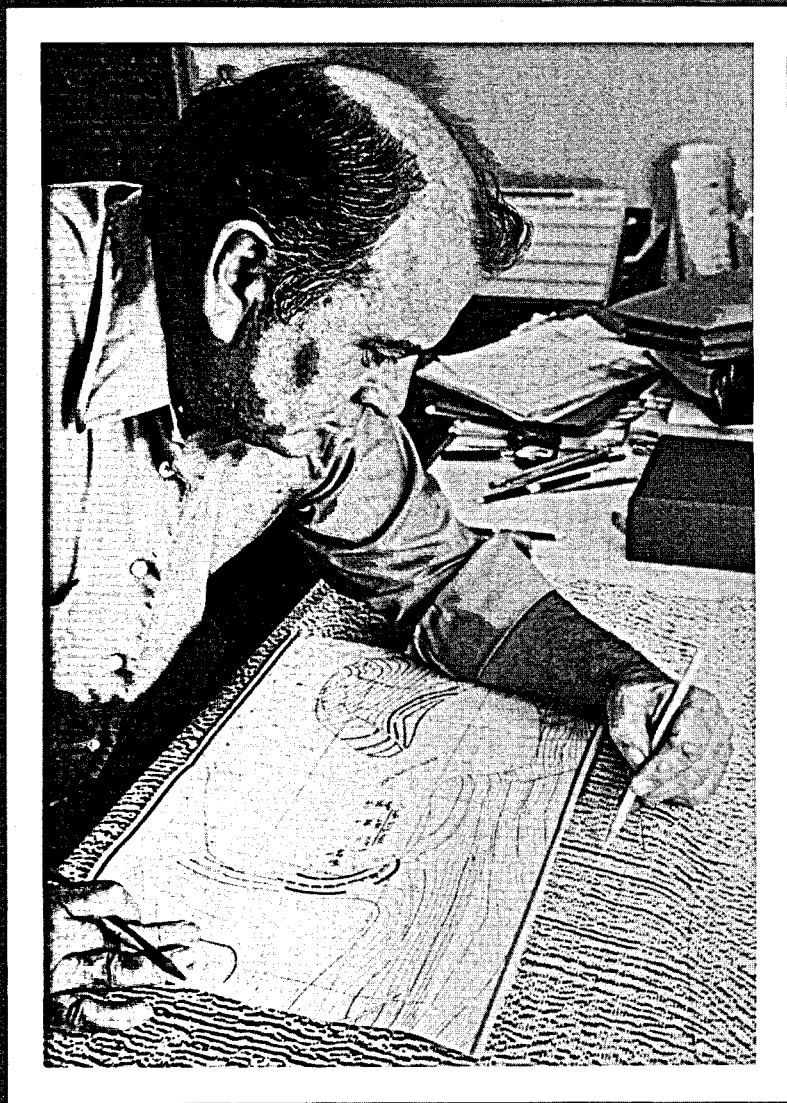
	OIL REVENUES RECEIVED	GAS REVENUES RECEIVED	COAL REVENUES RECEIVED	OTHER REVENUES RECEIVED	TOTAL REVENUES ALL MINERALS
1937-79	\$510,842,192	\$114,019,894	\$44,952,271	\$138,673,035	\$ 808,487,392
1980	67,185,913	30,726,238	7,874,061	13,415,171	119,201,383
1981	103,919,408	36,880,307	8,604,304	12,069,738	161,473,757
1982	92,559,824	54,378,374	8,527,548	7,261,001	162,726,747
1983	90,320,416	51,006,075	8,762,711	6,038,248	156,127,450
1937-83	\$864,827,753	\$287,010,888	\$78,720,895	\$177,457,193	\$1,408,016,729

NOTE: "Other Revenues" are collected for certain of the solid and fluid minerals footnoted in Table 2.

Figure 10:

ROYALTIES & REVENUES OTHER THAN BONUSES IN MILLIONS BY FISCAL YEAR FROM FEDERAL AND INDIAN MINERAL LEASES, 1979-83





Resource evaluation, MMS geologist.

APPENDIX:

Lease Management Data



Table 18:

SUMMARY OF ROYALTY-IN-KIND OIL TAKEN AS ROYALTY PAYMENTS FOR FEDERAL LEASE PRODUCTION, 1976-83

	ONSHORE RIK OIL		OFFSHORE RIK OIL		TOTAL RIK OIL	
	Barrels Sold	Royalty Value	Barrels Sold	Royalty Value	Barrels Sold	Royalty Value
1976-79	45,009,893	\$ 371,148,985	109,443,406	\$1,000,428,731	154,453,299	\$1,371,577,716
1980	9,883,818	199,149,683	26,243,154	490,562,695	36,126,972	689,712,378
1981	7,498,508	240,535,887	22,086,347	761,461,463	29,584,855	1,001,997,350
1982	4,903,877	130,817,540	12,393,000	361,201,000	17,296,877	492,018,540
1983	6,912,354	191,886,947	6,582,569	185,891,749	13,494,923	377,778,696
1976-83	74,208,450	\$1,133,539,042	176,748,476	\$2,799,545,638	250,956,926	\$3,933,084,680

NOTE: In mineral leases issued for Federal lands, the Federal Government reserves the right to take royalty-in-kind payment from lessees. RIK oil thus taken is sold periodically to crude-deficient refiners legally eligible to purchase it.

Under both the Mineral Leasing Act of February 25, 1920 and the Outer Continental Shelf Lands Act of 1953, the Federal Government as lessor may take part or all of its oil and gas royalties "in kind." Historically, the Secretary of the Interior, exercising discretionary authority, has found that certain independent oil refiners are chronically crude deficient. Thus, Federal lessees can be directed to pay their royalty share in crude oil, rather than "in value" as cash. The Federal Government in turn sells this royalty-in-kind oil to eligible refiners. Since 1946, the Royalty-In-Kind (RIK) program has been highly successful in providing a steady, secure source of domestic crude to independent refiners who often have difficulty finding regular supplies of crude for their refining operations.

RIK crude is sold mainly to refiners with a refining capacity of less than 50,000 barrels per day. Contracts with these refiners are ordinarily made for a period of three years, and new ones were issued to 45 different refiners late in the year.

In 1983, 17 percent of all oil royalties were taken in kind by the Federal Government. Amounting to 13.5 million barrels, this royalty oil was worth \$378 million. Of crude oil taken in kind last year, 6.9 million barrels were produced onshore (51 percent) and the remaining 6.6 million (49 percent) were produced from the Outer Continental Shelf.

◊ In 1983 the Department held 3 royalty oil sales: 2 of onshore and 1 of offshore royalty barrels. The resulting contracts, effective in 1984, will account for approximately 44% of all oil royalties to be paid to the Federal Government.

Table 19:

**PRODUCING AND PRODUCIBLE FEDERAL AND INDIAN OIL & GAS LEASES ONSHORE IN
26 STATES AND OFFSHORE IN 4 OCS AREAS, AS OF DECEMBER 31, 1983**

	INDIAN		FEDERAL		TOTAL ONSHORE	
	No.	Acres	No.	Acres	No.	Acres
Alabama	---	---	10	1,196	10	1,196
Alaska	---	---	35	63,481	35	63,481
Arizona	13	22,595	---	---	13	22,595
Arkansas	---	---	103	55,670	103	55,670
California	---	---	350	241,107	350	241,107
Colorado	106	147,023	1,223	875,911	1,329	1,022,934
Illinois	---	---	2	20	2	20
Kansas	---	---	181	54,419	181	54,419
Kentucky	---	---	7	9,678	7	9,678
Louisiana	---	---	100	55,212	100	55,212
Maryland	---	---	3	3,763	3	3,763
Michigan	1	18	17	9,040	18	9,058
Mississippi	---	---	100	47,460	100	47,460
Montana	438	109,580	1,246	757,737	1,684	867,317
Nebraska	---	---	18	6,590	18	6,590
Nevada	---	---	41	11,925	41	11,925
New Mexico	472	491,610	5,103	3,045,470	5,575	3,537,080
North Dakota	24	5,132	382	322,556	406	327,688
Ohio	---	---	17	4,769	17	4,769
Oklahoma	1,834	170,014	537	88,337	2,371	258,351
South Dakota	3	739	40	94,031	43	94,770
Texas	---	---	48	22,092	48	22,092
Utah	869	232,950	856	897,747	1,725	1,130,697
Virginia	---	---	1	2,168	1	2,168
West Virginia	---	---	21	27,618	21	27,618
Wyoming	105	56,901	5,030	2,750,367	5,135	2,807,268
SUBTOTAL:	3,865	1,236,562	15,471	9,448,364	19,336	10,684,926

	FEDERAL		TOTAL OFFSHORE	
	No.	Acres	No.	Acres
Alaska OCS Area	1	4,172	1	4,172
California OCS Area	35	176,776	35	176,776
Louisiana OCS Area	1,110	4,861,499	1,110	4,861,499
Texas OCS Area	235	1,236,906	235	1,236,906
SUBTOTAL:	1,381	6,279,353	1,381	6,279,353
TOTAL:	16,852	15,727,717	20,717	16,964,279

Table 20:

**PRODUCING FEDERAL AND INDIAN COAL LEASES ONSHORE IN 10 STATES, AS
OF DECEMBER 31, 1983**

	FEDERAL		INDIAN		TOTAL	
	No.	Acres	No.	Acres	No.	Acres
Alabama	1	2,388	---	---	1	2,388
Arizona	---	---	2	64,858	2	64,858
Colorado	26	23,927	---	---	26	23,927
Montana	10	23,535	1	14,746	11	38,281
New Mexico	4	10,031	3	76,314	7	86,345
North Dakota	3	2,601	---	---	3	2,601
Oklahoma	1	140	---	---	1	140
Utah	30	34,911	---	---	30	34,911
Washington	1	241	---	---	1	241
Wyoming	27	76,584	---	---	27	76,584
T O T A L :	103	174,358	6	155,918	109	330,276

Table 21:

PRODUCING FEDERAL AND INDIAN LEASES OF OTHER MINERALS ONSHORE IN 18 STATES, AS OF DECEMBER 31, 1983

	FEDERAL		INDIAN		TOTAL	
	No.	Acres	No.	Acres	No.	Acres
Alabama						
Clay	1	40	---	---	1	40
Arizona						
Sand/gravel	---	---	10	823	10	823
Silica sand	---	---	1	640	1	640
California						
Geothermal	1	1,161	---	---	1	1,161
Potash	5	8,312	---	---	5	8,312
Sand/gravel	---	---	1	1,288	1	1,288
Sodium	1	2,481	---	---	1	2,481
Colorado						
Sodium	1	120	---	---	1	120
Florida						
Phosphate	3	210	---	---	3	210
Idaho						
Garnet	1	40	---	---	1	40
Phosphate	2	2,925	---	---	2	2,925
Missouri						
Lead	19	25,097	---	---	19	25,097
Clay	1	783	---	---	1	783
Montana						
Phosphate	2	420	---	---	2	420
Nevada						
Sand/gravel	2	394	1	100	3	494
New Mexico						
Gypsum	---	---	1	15	1	15
Potash	34	63,050	---	---	34	63,050
Sand/gravel	---	---	4	1,475	4	1,475
Sodium	4	1,800	---	---	4	1,800
Uranium	---	---	7	13,916	7	13,916
Oklahoma						
Chat	---	---	6	665	6	665
Granite	---	---	1	100	1	100
Utah						
Geothermal	1	2,463	---	---	1	2,463
Gilsonite	2	518	---	---	2	518
Potash	10	24,700	---	---	10	24,700
Sand/gravel	---	---	2	140	2	140
Washington						
Sand/gravel	---	---	2	80	2	80
Wyoming						
Bentonite	1	160	---	---	1	160
Sodium	10	23,402	---	---	10	23,402
Uranium	1	2,560	---	---	1	2,560
4 Other States miscellany*	5	1,043	---	---	5	1,043
T O T A L :	107	161,679	36	19,242	143	180,921

*Includes 2 leases for Arkansas (quartz crystals) and 1 each for Georgia (feldspar), Minnesota (iron ore), and Virginia (limestone).

Table 22:

SUMMARY OF OIL & GAS AND OTHER MINERAL LEASES, LICENSES, AND PERMITS UNDER THE SUPERVISION OF THE DEPARTMENT OF THE INTERIOR IN THE OFFSHORE FEDERAL LANDS, BY OCS AREA, AS OF DECEMBER 31, 1983

FEDERAL LEASES OFFSHORE						
Location Offshore:	OIL & GAS		OTHER		TOTAL OFFSHORE	
	No.	Acres	No.	Acres	No.	Acres
Alabama	5	28,495	---	---	5	28,495
Alaska	253	1,362,645	---	---	253	1,362,645
California	179	941,118	---	---	179	941,118
Florida	35	201,600	---	---	35	201,600
Louisiana	2,216	10,248,382	2	4,995	2,218	10,253,377
Texas	841	4,272,076	---	---	841	4,272,076
Atlantic States	258	1,468,794	---	---	258	1,468,794
T O T A L:	3,787	18,523,110	2	4,995	3,789	18,528,105

Table 23:

SUMMARY OF OIL & GAS AND OTHER MINERAL LEASES, CONTRACTS, LICENSES, AND PERMITS UNDER THE SUPERVISION OF

	OIL & GAS SUPERVISION ONSHORE						TOTAL OIL & GAS SUPERVISION ONSHORE	
	PUBLIC		ACQUIRED		INDIAN		No.	Acres
	No.	Acres	No.	Acres	No.	Acres		
Alabama	261	46,106	559	503,059	---	---	820	549,165
Alaska	377	2,264,414	---	---	---	---	377	2,264,414
Arizona	4,179	10,334,651	33	29,070	28	42,550	4,240	10,406,271
Arkansas	577	608,355	1,047	951,487	---	---	1,624	1,559,842
California	3,356	6,223,104	62	10,602	---	---	3,418	6,233,706
Colorado	8,415	8,972,636	596	308,390	259	270,331	9,270	9,551,357
Florida	136	90,450	302	637,488	342	189,358	780	917,296
Georgia	---	---	111	342,778	---	---	111	342,778
Idaho	3,507	9,122,165	108	137,431	---	---	3,615	9,259,596
Illinois	---	---	12	2,567	---	---	12	2,567
Indiana	---	---	9	2,691	---	---	9	2,691
Kansas	189	57,030	157	75,488	39	3,887	385	136,405
Kentucky	---	---	210	162,597	---	---	210	162,597
Louisiana	358	40,399	576	349,137	---	---	934	389,536
Maryland	---	---	16	15,180	---	---	16	15,180
Michigan	151	150,368	655	246,320	1	19	807	396,707
Minnesota	---	---	---	---	---	---	---	---
Mississippi	380	41,454	2,908	936,241	23	5,301	3,311	982,996
Montana	---	---	4	605	---	---	4	605
Missouri	11,549	13,274,993	1,754	1,435,271	2,755	727,533	16,058	15,437,797
Nebraska	473	190,505	155	168,256	---	---	628	358,761
Nevada	11,283	25,683,382	18	19,497	---	---	11,301	25,702,879
New Mexico	15,415	15,380,174	249	242,115	1,126	1,150,154	16,790	16,772,443
New York	---	---	30	50,359	---	---	30	50,359
North Carolina	---	---	108	215,365	---	---	108	215,365
North Dakota	758	294,198	1,602	1,186,883	2,258	364,902	4,618	1,845,983
Ohio	---	---	114	38,219	---	---	114	38,219
Oklahoma	873	114,756	664	419,138	5,296	476,460	6,833	1,010,354
Oregon	4,019	11,299,218	196	319,376	---	---	4,215	11,618,594
Pennsylvania	---	---	12	5,463	---	---	12	5,463
South Carolina	---	---	16	29,176	---	---	16	29,176
South Dakota	1,443	1,835,800	514	562,011	273	57,514	2,230	2,455,325
Tennessee	---	---	200	399,286	---	---	200	399,286
Texas	---	---	451	389,477	---	---	451	389,477
Utah	16,665	23,616,834	179	90,166	1,832	302,736	18,676	24,009,736
Virginia	---	---	511	883,708	---	---	511	883,708
Washington	75	90,390	12	15,168	---	---	87	105,558
West Virginia	---	---	349	442,535	---	---	349	442,535
Wisconsin	---	---	---	---	---	---	---	---
Wyoming	35,063	22,255,725	74	24,565	159	90,791	35,296	22,371,081
TOTAL :	119,502	151,987,107	14,573	11,647,165	14,391	3,681,536	148,466	167,315,808

SOURCE: Data provided by the Bureau of Land Management.

THE DEPARTMENT OF THE INTERIOR IN FEDERAL AND INDIAN ONSHORE LANDS, AS OF DECEMBER 31, 1983

OTHER MINERALS SUPERVISION ONSHORE						TOTAL "OTHER" SUPERVISION ONSHORE		TOTAL FLUID & SOLID MINERALS UNDER SUPERVISION ONSHORE		
PUBLIC		ACQUIRED		INDIAN						
No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	
15	13,025	1	40	---	---	16	13,065	836	562,230	Alabama
5	72,578	---	---	---	---	5	72,578	382	2,336,992	Alaska
17	25,054	---	---	45	116,564	62	141,618	4,302	10,547,889	Arizona
---	---	12	1,532	---	---	12	1,532	1,636	1,561,374	Arkansas
318	540,143	---	---	2	996	320	541,139	3,738	6,774,845	California
189	344,195	2	2,561	---	---	191	346,756	9,461	9,898,113	Colorado
7	1,687	3	365	---	---	10	2,052	790	919,348	Florida
---	---	5	964	---	---	5	964	116	343,742	Georgia
145	125,867	15	2,345	51	7,031	211	135,243	3,826	9,394,839	Idaho
---	---	17	10,890	---	---	17	10,890	29	13,457	Illinois
---	---	---	---	---	---	---	---	9	2,691	Indiana
---	---	---	---	---	---	---	---	385	136,405	Kansas
---	---	5	4,337	---	---	5	4,337	215	166,934	Kentucky
---	---	---	---	---	---	---	---	934	389,536	Louisiana
---	---	---	---	---	---	---	---	16	15,180	Maryland
---	---	---	---	---	---	---	---	807	396,707	Michigan
1	400	53	52,831	---	---	54	53,231	54	53,231	Minnesota
---	---	1	149	---	---	1	149	3,312	983,145	Mississippi
---	---	232	305,847	---	---	232	305,847	236	306,452	Missouri
84	124,557	21	44,893	3	35,983	108	205,433	16,166	15,643,230	Montana
---	---	---	---	---	---	---	---	628	358,761	Nebraska
615	1,069,439	---	---	4	84,447	619	1,153,886	11,920	26,856,765	Nevada
319	460,163	3	728	204	305,690	526	766,581	17,316	17,539,024	New Mexico
---	---	---	---	---	---	---	---	30	50,359	New York
---	---	4	6,113	---	---	4	6,113	112	221,478	North Carolina
26	29,247	1	10	---	---	27	29,257	4,645	1,875,240	North Dakota
---	---	---	---	---	---	---	---	114	38,219	Ohio
53	83,015	---	---	23	14,744	76	97,759	6,909	1,108,113	Oklahoma
267	491,326	1	538	1	159	269	492,023	4,484	12,110,617	Oregon
---	---	2	80	---	---	2	80	14	5,543	Pennsylvania
---	---	2	187	---	---	2	187	18	29,363	South Carolina
---	---	---	---	1	30	1	30	2,231	2,455,355	South Dakota
---	---	1	785	---	---	1	785	201	400,071	Tennessee
---	---	1	6,600	---	---	1	6,600	452	396,077	Texas
641	1,064,491	7	10,680	3	340	651	1,075,511	19,327	25,085,247	Utah
---	---	2	606	---	---	2	606	513	884,314	Virginia
28	53,387	---	---	81	62,701	109	116,088	196	221,646	Washington
---	---	---	---	---	---	---	---	349	442,535	West Virginia
---	---	59	75,288	---	---	59	75,288	59	75,288	Wisconsin
202	467,763	5	3,080	7	55,462	214	526,305	35,510	22,897,386	Wyoming
932	4,966,337	455	531,449	425	684,147	3,812	6,181,933	152,278	173,497,741	

Table 24:

SUMMARY OF GENERAL TERMS IN FEDERAL AND INDIAN MINERAL LEASES

<u>OIL & GAS LEASES / FEDERAL ONSHORE LANDS</u>					
	Customary Royalty Rate	Annual Rental & Other Fees	Duration of Lease	Size of Lease	Bonding Requirements
Non-Competitive Leases:	12 1/2% on production	\$1 per acre or \$2 per acre if known geologic structure. \$3 per acre for 6 to 10 years for simultaneous leasing; \$1 per acre minimum royalty after discovery; \$75 filing fee per lease	10 years & as long as capable of producing in paying quantities, etc.	10,240 acres maximum within 6-mile square, or 640 acres minimum	Lease \$10,000 State \$25,000 Nationwide \$150,000
Competitive Leases:	Oil 12 1/2% to 25% & Gas 12 1/2% or 16 2/3%, depending on production per well per day for the calendar month	\$2 per acre; \$1 per acre minimum royalty after discovery	5 years & as long as capable of producing in paying quantities, etc.	640 acres or less	Lease \$10,000 State \$25,000 Nationwide \$150,000
*NPSRA/Alaska:	Not set by law--now 16 2/3%	\$3 per acre	10 years (or less)	Up to 60,000 acres	Corporate Surety-- \$100,000
*National Petroleum Reserve in Alaska.					

<u>OIL & GAS LEASES / FEDERAL OFFSHORE LANDS</u>					
	Customary Royalty Rate	Annual Rental & Other Fees	Duration of Lease	Size of Lease	Bonding Requirements
OCS Leases:	16 2/3% on production, net profit sharing, sliding scale from 12 1/2% to 65%, & flat rates of 33 1/3% & above, 20% set-aside to be offered to small independent refiners	\$3 per acre; \$3 per acre minimum royalty after discovery; \$10 per acre for drainage sales; \$10 per acre minimum royalty for drainage sales	5 years (not to exceed 10 years) & as long as producing in paying quantities, etc.	5,760 acres unless a larger area is needed for a production unit	Lease \$50,000 Area \$300,000

Table 24 (cont'd):

SUMMARY OF GENERAL TERMS IN FEDERAL AND INDIAN MINERAL LEASES

<u>OIL & GAS LEASES / INDIAN LANDS</u>					
	Customary Royalty Rate	Annual Rental & Other Fees	Duration of Lease	Size of Lease	Bonding Requirements
Indian Leases:	12 1/2% on production or higher; some provide 16 2/3% on production (current average 14%)	\$1.25 per acre credited against royalty payments for the lease year; \$10 filing fee for each lease or each transfer or assignment of a lease	10 years & as long as still producing in paying quantities, etc.	2,560 acres or less	Lease \$500 to \$2,000, depending on acreage Nationwide \$75,000

<u>COAL LEASES / FEDERAL LANDS</u>					
	Customary Royalty Rate	Annual Rental & Other Fees	Duration of Lease	Size of Lease	Bonding Requirements
Leases sold before August 1976:	15 1/2¢ ton underground; 17 1/2¢ ton surface mines	\$1 per acre credited against royalty payments for the lease year	20 years & continued if producing	Not more than 46,080 acres in one State & no more than 100,000 acres in United States for one or more leases	<u>Nonproducing Leases:</u> \$5,000 or amount equal to annual rent rounded to \$1,000, whichever is greater <u>Producing Leases:</u> 3 months production royalty
Leases sold after August 1976:	Re-adjusted & new leases: 8% of value underground; 12 1/2% of value surface (current average 6 1/4¢ ton or 4.1% of value)	\$3 per acre not credited against royalty payments; advance royalty payments; \$250 lease filing fee, \$50 transfer fee	(same as above)	(same as above)	(same as above)

Table 24 (cont'd):

SUMMARY OF GENERAL TERMS IN FEDERAL AND INDIAN MINERAL LEASES

<u>COAL LEASES / INDIAN LANDS</u>					
	Customary Royalty Rate	Annual Rental & Other Fees	Duration of Lease	Size of Lease	Bonding Requirements
Indian Leases:	Not less than 10¢ ton (current average 29¢ ton)	\$1 per acre & \$10 per acre development expenditure	10 years & as long as producing in paying quanti- ties, etc.	2,560 acres or more if authorized by Commissioner	Lease \$500 to \$2,000 or State \$75,000-- depending on acreage; Nationwide \$75,000, or as determined by the Secretary
<u>OTHER MINERAL LEASES / FEDERAL LANDS</u>					
	Customary Royalty Rate	Annual Rental & Other Fees	Duration of Lease	Size of Lease	Bonding Requirements
Potassium, Sodium & Phosphate Leases:	Average 5% of value	25¢ first year; 50¢ second year & \$1 per acre there- after, credited against royalties; \$2 per acre minimum royalty indexed annually with BLS commodity index	20 years, subject to readjustment	2,560 acres	Not less than \$5,000 State \$25,000 Nationwide \$75,000
Sulfur Leases:	Not less than 5% of value	50¢ per acre credited against royalties; \$2 per acre minimum royalty indexed annually with BLS commodity index	20 years	640 acres	Not less than \$5,000
Asphalt Leases:	Per lease terms	50¢ per acre	10 years	2,560 acres	As determined
Lead, Zinc, Iron & other solid mineral Leases:	Average 5% of value	\$1 per acre credited against royalties (up to \$10 if develop- ment contract)	20 years (renewals 10 years)	2,560 acres	Not less than \$5,000

Table 24 (cont'd):

SUMMARY OF GENERAL TERMS IN FEDERAL AND INDIAN MINERAL LEASES

Oil Shale & Gilsonite Leases:	Per lease terms (oil shale--average 12½ ton; gilsonite 12.5% of value)	Per lease terms	Per lease	Per lease	Per lease
Geothermal Leases:	10% to 15% of value of steam & not less than 5% of value of demineralized water; "By-products" royalty rate* determined by particular mineral (generally 5%)	\$1 per acre; \$2 per acre for KGRA	10 years & as long as capable of producing in paying quantities	2,560 acres & not less 640 acres--can be less than 640 for nonelectrical uses	Lease \$10,000 State \$50,000 Nationwide \$150,000 Protection of surface owner--\$5,000, minimum

*As specified in the Geothermal Steam Act, 1970 (30 U.S.C. 1001-1025).

OTHER MINERAL LEASES / INDIAN LANDS

	Customary Royalty Rate	Annual Rental & Other Fees	Duration of Lease	Size of Lease	Bonding Requirements
Copper, Lead, Zinc, & Tungsten Leases:	Not less than 10% of value	\$1 per acre & \$10 per acre development expenditure (varies greatly)	10 years & as long thereafter as producing in paying quantities, etc.	2,560 acres	Lease--as determined or State \$15,000 Nationwide \$75,000
Gold & Silver Leases:	Not less than 10% of value of bullion per mint returns	(same as above)	10 years	2,560 acres	(same as above)
Leases for other ores & metals:	Not less than 10% of value	(same as above)	10 years	2,560 acres	(same as above)

Note: Lease terms may be extended for various reasons as authorized by the regulations.

A \$10 fee is separately required for filing, transferring, or assigning an Indian lease; the same fee is also required for certain other Federal lease commodities.

Table 25:

SUMMARY OF OIL, GAS, AND COAL PRODUCTION FROM FEDERAL AND INDIAN LEASES AS A PERCENTAGE OF TOTAL U.S. PRODUCTION OF OIL, GAS, AND COAL, 1950-83

	OIL IN BARRELS		PERCENTAGE of U.S. TOTAL
	Total U.S. Volume	Federal & Indian	
1950-79	85,453	11,018	12.9%
1980	3,138	449	14.3
1981	3,125	467	14.9
1982	3,157	491	15.6
1983	3,159	511	16.2
1950-83	98,032	12,936	13.2

	GAS IN MCF		PERCENTAGE of U.S. TOTAL
	Total U.S. Volume	Federal & Indian	
1950-79	464,904	68,410	14.7%
1980	20,180	5,788	28.7
1981	19,956	6,052	30.3
1982	18,520	5,974	32.2
1983	16,474	5,044	30.6
1950-83	540,034	91,268	16.9

	COAL IN TONS		PERCENTAGE of U.S. TOTAL
	Total U.S. Volume	Federal & Indian	
1950-79	14,036	556	4.0%
1980	830	93	11.2
1981	824	139	16.9
1982	838	130	15.5
1983	785	134	17.1
1950-83	17,313	1,052	6.1

NOTE: Oil volume in millions of barrels (42 U.S. gallons) includes crude oil and lease condensate; natural gas in millions of Mcf (thousand cubic feet); and coal in millions of short tons (# 2,000) includes anthracite, bituminous coal, and lignite. Data by calendar year are rounded.

SOURCE: Monthly Energy Review, Department of Energy, for U.S. totals; certain other data are estimated in part by MMS.