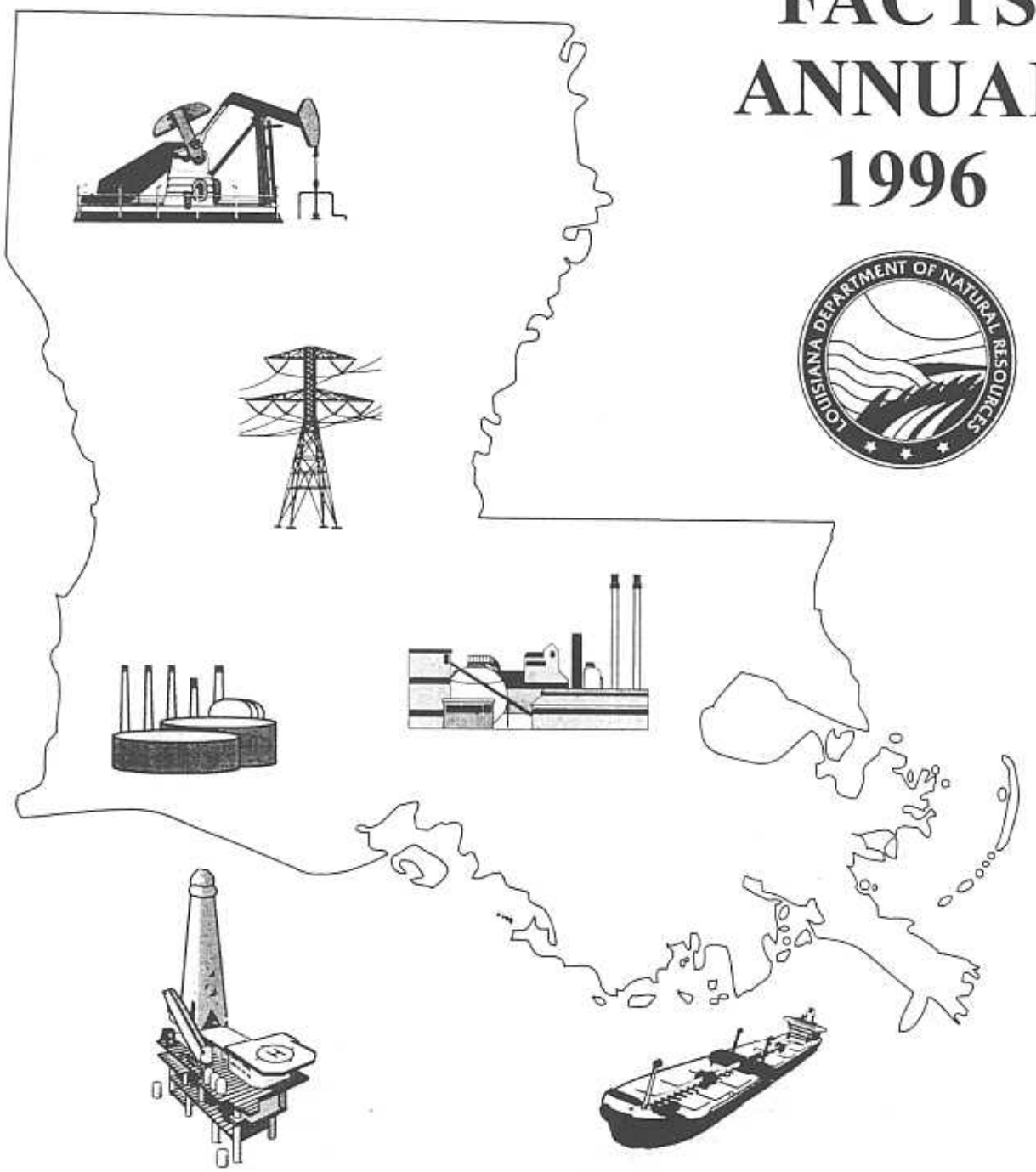
LOUISIANA ENERGY FACTS ANNUAL 1996



DEPARTMENT OF NATURAL RESOURCES
Technology Assessment Division

October 1, 1997

This issue of **Louisiana Energy Facts Annual-1996** is funded 100% ($5,658.65) with Petroleum Violation Escrow funds as part of the State Energy Conservation Program as approved by the U.S. Department of Energy and the Department of Natural Resources.

This public document was published at a total cost of $5,658.65. 1,140 copies of this public document were published in this first printing at a total cost of $3,256.11. The total cost of all printings of this document, including reprints, is $5,658.65. This document was published by the Department of Natural Resources, P.O. Box 94396, Baton Rouge, LA 70804-9396, to promulgate the State Energy Conservation Plan developed under authority of P.L. 94-163. This material was printed in accordance with the standards for printing by State agencies established pursuant to R.S. 43:31.

LOUISIANA ENERGY FACTS ANNUAL

1996

Department of Natural Resources
Jack C. Caldwell
Secretary of Natural Resources

Technology Assessment Division

T. Michael French, Director
Manuel L. Lam, Senior Energy Analyst
Phyllis S. Ortego, Editor

October 1, 1997

The **Louisiana Energy Facts Annual - 1996** was published by the Technology Assessment Division of the Louisiana Department of Natural Resources. The Director of the Division is T. Michael French and the Assistant Director is William J. Delmar, Jr.

Questions concerning specific areas of the **Annual** may be directed to the Technology Assessment Division staff members listed below.

Oil & gas production, drilling, revenue, reserves, prices:

Manuel L. Lam
Senior Energy Analyst
(504) 342-8919
E-mail: MANUELL@DNR.STATE.LA.US

Petroleum refineries, electric utilities, cogeneration, coal, lignite:

William J. Delmar, Jr.
Assistant Director
(504) 342-5053
E-mail: BILLD@DNR.STATE.LA.US

Additional copies of the **Annual** may be obtained by contacting:

Phyllis S. Ortego
Department of Natural Resources
Technology Assessment Division
P.O. Box 94396
Baton Rouge, LA 70804-9396
Phone: (504) 342-4593 FAX: (504) 342-2707
E-mail: PHYLLISO@DNR.STATE.LA.US

TABLE OF CONTENTS

Table

Page

OTHER

APPENDICES

LIST OF FIGURES

INTRODUCTION

ABOUT THIS PUBLICATION

The **Louisiana Energy Facts Annual** is a digest of energy production and use statistics. It is information from public sources condensed to highlight the information about our state. We hope the graphs and charts provided also help to make clear the trends of those statistics.

Data availability lags limit this **Facts Annual** to include data through December of 1996. Some figures included here are more current than our monthly **1996 Louisiana Energy Facts** due to revisions since the **Facts** were published. This data by its nature continues to be revised, sometimes years after it is first published. We try to bring attention to these changes as we republish them.

We hope you will find this **Facts Annual** useful, and we welcome any comments or suggestions.

1996 HIGHLIGHTS

The data in the **1996 Louisiana Energy Facts Annual** contains some recent trends.

State oil and gas production increased.

Total natural gas production in Louisiana reversed its downward trend. State production, which excludes Federal OCS, was up over 10% in North Louisiana and state controlled offshore waters. South Louisiana onshore production was up less than a percentage point.

Oil production increased. Oil production rose 6.1% in North Louisiana and 5.0% in South Louisiana. Production in state controlled offshore waters decreased 7.3%. Looking at the state as a whole, natural gas production increased 4.4% and oil production increased 2.9%.

Prices were up.

Gas prices rose significantly. The Louisiana natural gas spot market average price rose 57.55% to $2.50 per MMBTU. The increase was attributed to heavy demand, storage withdrawals associated with sustained cold weather during the 1995-96 heating season, and differences in storage utilization during the 1996-97 heating season. Distribution companies were cautious in their use of gas from storage during October through December 1996. They relied on the spot market to meet peak local demand (Natural Gas Monthly 97/06).

South Louisiana crude oil spot market prices rose also. The average price was $22.32 per barrel; an increase of $3.72 per barrel over the 1995 average. The price increase was spurred by high demand for heating oil, high oil consumption in power generation, low crude oil inventory levels, and increased demand for gasoline during the summer season.

Drilling activity was up.

The high prices of south Louisiana sweet crude oil and natural gas in the spot market encouraged the exploration and development of oil and gas fields. The average number of active rigs in Louisiana increased 12% to 151. Drilling permits issued, excluding federal OCS, totaled 1,318. This was a 30% increase over the number issued in 1995.

Revenue and reserves increased.

Higher prices and increased production provided a hefty boost to oil and gas revenue. Louisiana received $711 million from bonuses, rentals, royalties, and severance taxes; up 20% from the previous year. Due to increased exploration and development of oil and gas fields, oil and gas reserves were also expected to be higher.

SUBDIVISIONS OF LOUISIANA

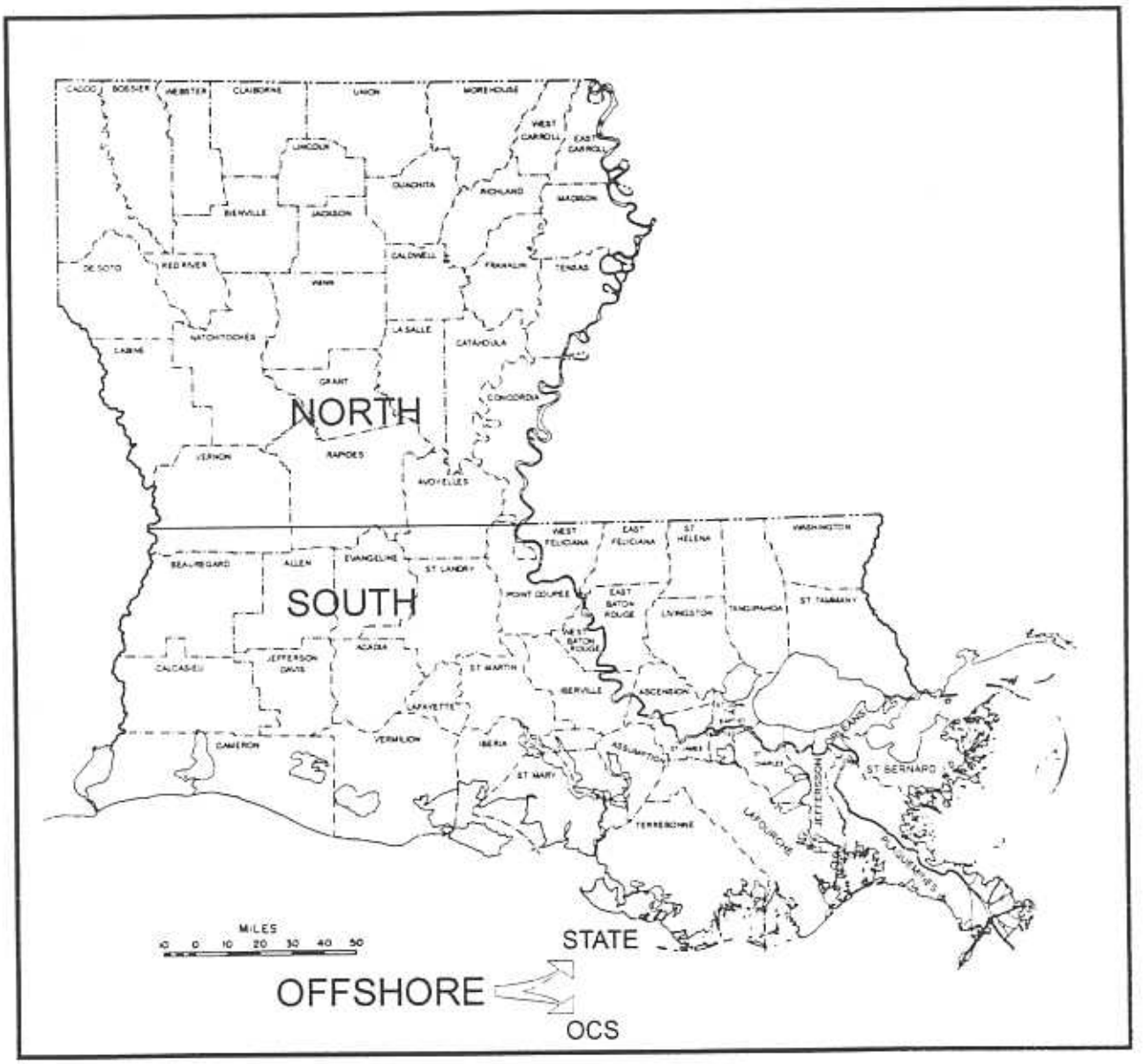


TABLE 1

LOUISIANA STATE CRUDE OIL PRODUCTION
Excluding Condensate and OCS
(Barrels)

DATE	NORTH	SOUTH	OFFSHORE	TOTAL
1975	34,072,947	211,500,323	37,017,114	282,590,384
1976	34,843,495	190,567,868	34,695,350	260,106,713
1977	33,548,990	169,446,753	30,477,122	233,472,865
1978	31,666,528	151,493,817	28,840,730	212,001,075
1979	28,831,653	130,427,990	25,990,326	185,249,969
1980	29,004,703	116,638,403	24,834,002	170,477,108
1981	30,736,984	103,284,948	23,924,888	157,946,820
1982	31,485,800	96,155,535	22,793,085	150,434,420
1983	29,831,731	93,737,027	22,806,268	146,375,026
1984	29,590,376	96,690,421	25,117,916	151,398,713
1985	29,436,551	97,622,513	24,292,173	151,351,237
1986	26,795,748	97,853,602	24,619,169	149,268,519
1987	25,036,758	95,476,492	23,372,480	143,885,730
1988	23,958,703	88,673,893	22,792,851	135,425,447
1989	22,224,981	78,275,666	20,869,917	121,370,564
1990	22,445,972	72,017,903	21,128,443	115,592,318
1991	22,704,171	69,546,140	22,499,961	114,750,272
1992	21,996,120	68,545,982	21,903,380	112,445,482
1993	20,210,421	66,097,947	21,722,455	108,030,823
1994	17,338,342	60,110,579	21,295,476	98,744,397
January	1,449,452	4,888,044	1,854,794	8,192,290
February	1,324,830	4,705,595	1,574,671	7,605,096
March	1,690,298	5,016,788	1,737,289	8,444,375
April	1,640,733	4,937,915	1,736,162	8,314,810
May	1,558,152	5,398,473	1,819,059	8,775,684
June	1,372,644	5,483,541	1,852,862	8,709,047
July	1,362,672	5,546,849	1,851,285	8,760,806
August	1,376,938	5,670,535	1,853,916	8,901,389
September	1,346,433	5,206,911	1,918,513	8,471,857
October	1,533,844	5,485,764	1,860,961	8,880,569
November	1,476,695	5,450,508	1,715,771	8,642,974
December	1,644,383[R]	5,790,319[R]	1,724,366[R]	9,159,068[R]
1995 TOTALS	**17,777,074[R]**	**63,581,242[R]**	**21,499,649[R]**	**102,857,965[R]**
January	1,315,641	4,926,206	1,504,288	7,746,135
February	1,386,296	5,029,057	1,543,235	7,958,588
March	1,550,487	5,353,739	1,731,844	8,636,070
April	1,525,617	5,353,507	1,621,892	8,501,016
May	1,547,659	5,490,903	1,624,540	8,663,102
June	1,481,019	5,261,010	1,468,986	8,211,015
July	1,557,556	5,319,203	1,566,349	8,443,108
August	1,537,246	5,696,131	1,962,335	9,195,712
September	1,513,868[E]	5,331,600[E]	1,635,989[E]	8,481,458[E]
October	1,507,765[E]	5,327,911[E]	1,620,013[E]	8,455,689[E]
November	1,504,790[E]	5,323,645[E]	1,619,700[E]	8,448,134[E]
December	1,507,155[E]	5,336,143[E]	1,631,183[E]	8,474,482[E]
1996 TOTALS	**17,935,100[E]**	**63,749,055[E]**	**19,530,353[E]**	**101,214,509[E]**

[R]Revised

[E]Estimated

TABLE 2

LOUISIANA STATE CONDENSATE PRODUCTION
Excluding OCS
(Barrels)

DATE	NORTH	SOUTH	OFFSHORE	TOTAL
1975	3,199,729	45,922,653	3,967,783	53,090,169
1976	3,552,038	41,495,384	3,662,830	48,710,254
1977	3,678,121	39,698,090	3,327,558	46,703,775
1978	3,736,714	36,763,098	3,524,770	44,024,582
1979	3,378,399	35,213,787	3,369,666	41,961,852
1980	3,222,000	34,744,956	2,757,941	40,724,897
1981	4,371,074	35,181,456	2,348,549	41,901,079
1982	4,120,663	32,663,371	2,147,896	38,931,930
1983	3,598,850	27,638,588	1,996,504	33,233,942
1984	3,140,006	30,785,661	1,918,564	35,844,231
1985	2,668,233	29,260,762	1,721,098	33,650,093
1986	2,755,749	26,709,496	2,176,970	31,642,215
1987	2,512,024	25,594,838	1,811,598	29,918,460
1988	2,718,031	26,401,604	1,700,428	30,820,063
1989	2,943,821	26,446,428	1,835,017	31,225,266
1990	3,356,554	27,602,203	1,701,098	32,659,855
1991	4,078,811	26,726,276	1,715,899	32,520,986
1992	3,746,271	25,295,694	1,587,450	30,629,415
1993	3,597,292	24,893,887	1,606,131	30,097,310
1994	3,657,646	23,302,750	1,468,993	28,429,389
January	336,116	1,934,035	139,985	2,410,136
February	275,895	1,676,764	119,200	2,071,859
March	283,706	1,838,732	163,671	2,286,109
April	287,145	1,760,803	114,557	2,162,505
May	308,573	1,841,359	148,009	2,297,941
June	292,670	1,817,917	125,126	2,235,713
July	323,288	1,844,350	191,962	2,359,600
August	322,300	1,827,955	181,588	2,331,843
September	313,437	1,839,250	179,786	2,332,473
October	343,321	1,926,010	220,055	2,489,386
November	355,518	1,902,688	255,863	2,514,069
December	357,953[R]	1,907,686[R]	265,980[R]	2,531,619[R]
1995 Total	**3,799,922[R]**	**22,117,549[R]**	**2,105,782[R]**	**28,023,253[R]**
January	383,341	2,003,405	190,275	2,577,021
February	354,897	1,865,071	196,354	2,416,322
March	436,983	2,227,889	236,612	2,901,484
April	403,244	2,521,386	202,824	3,127,454
May	397,456	2,209,199	168,089	2,774,744
June	413,377	2,150,198	240,034	2,803,609
July	413,324	2,175,364	172,430	2,761,118
August	467,333	2,172,511	174,834	2,814,678
September	420,902[E]	2,238,555[E]	198,652[E]	2,858,110[E]
October	418,222[E]	2,240,333[E]	192,326[E]	2,850,881[E]
November	420,718[E]	2,193,491[E]	190,576[E]	2,804,785[E]
December	424,596[E]	2,190,873[E]	194,324[E]	2,809,792[E]
1996 Total	**4,954,393[E]**	**26,188,276[E]**	**2,357,330[E]**	**33,499,999[E]**

[R]Revised

[E]Estimated

TABLE 3

LOUISIANA STATE CRUDE OIL AND CONDENSATE PRODUCTION
Excluding OCS
(Barrels)

DATE	NORTH	SOUTH	OFFSHORE	TOTAL
1975	37,272,676	257,422,976	40,984,897	335,680,553
1976	38,395,533	232,063,252	38,358,180	308,816,967
1977	37,227,111	209,144,843	33,804,680	280,176,640
1978	35,403,242	188,256,914	32,365,500	256,025,656
1979	32,210,052	165,641,777	29,359,992	227,211,821
1980	32,226,703	151,383,359	27,591,943	211,202,005
1981	35,108,058	138,466,404	26,273,437	199,847,899
1982	35,606,463	128,818,906	24,940,981	189,366,350
1983	33,430,581	121,375,615	24,802,772	179,608,968
1984	32,730,382	127,476,082	27,036,480	187,242,944
1985	32,104,784	126,883,275	26,013,271	185,001,330
1986	29,551,497	124,563,098	26,796,139	180,910,734
1987	27,548,782	121,071,330	25,184,078	173,804,190
1988	26,676,734	115,075,497	24,493,279	166,245,510
1989	25,168,802	104,722,094	22,704,934	152,595,830
1990	25,802,526	99,620,106	22,829,541	148,252,173
1991	26,782,982	96,272,416	24,215,860	147,271,258
1992	25,742,391	93,841,676	23,490,830	143,074,897
1993	23,807,713	90,991,834	23,328,586	138,128,133
1994	20,995,988	83,413,329	22,764,469	127,173,786
January	1,785,568	6,822,079	1,994,779	10,602,426
February	1,600,725	6,382,359	1,693,871	9,676,955
March	1,974,004	6,855,520	1,900,960	10,730,484
April	1,927,878	6,698,718	1,850,719	10,477,315
May	1,866,725	7,239,832	1,967,068	11,073,625
June	1,665,314	7,301,458	1,977,988	10,944,760
July	1,685,960	7,391,199	2,043,247	11,120,406
August	1,699,238	7,498,490	2,035,504	11,233,232
September	1,659,870	7,046,161	2,098,299	10,804,330
October	1,877,165	7,411,774	2,081,016	11,369,955
November	1,832,213	7,353,196	1,971,634	11,157,043
December	2,002,336[R]	7,698,005[R]	1,990,346[R]	11,690,687[R]
1995 Total	**21,576,996[R]**	**85,698,791[R]**	**23,605,431[R]**	**130,881,218[R]**
January	1,698,982	6,929,611	1,694,563	10,323,156
February	1,741,193	6,894,128	1,739,589	10,374,910
March	1,987,470	7,581,628	1,968,456	11,537,554
April	1,928,861	7,874,893	1,824,716	11,628,470
May	1,945,115	7,700,102	1,792,629	11,437,846
June	1,894,396	7,411,208	1,709,020	11,014,624
July	1,970,880	7,494,567	1,738,779	11,204,226
August	2,004,579	7,868,642	2,137,169	12,010,390
September	1,934,771[E]	7,570,156[E]	1,834,641[E]	11,339,568[E]
October	1,925,987[E]	7,568,244[E]	1,812,338[E]	11,306,570[E]
November	1,925,508[E]	7,517,136[E]	1,810,276[E]	11,252,920[E]
December	1,931,751[E]	7,527,016[E]	1,825,507[E]	11,284,274[E]
1996 Total	**22,889,494[E]**	**89,937,331[E]**	**21,887,683[E]**	**134,714,508[E]**

[R]Revised

[E]Estimated

TABLE 4

LOUISIANA CRUDE OIL and CONDENSATE PRODUCTION

(Barrels)

DATE	ONSHORE	OFFSHORE STATE	OCS	TOTAL
1975	294,695,652	40,984,897	313,592,559	649,273,108
1976	270,458,786	38,358,180	301,887,002	610,703,968
1977	246,371,954	33,804,680	290,771,605	570,948,239
1978	223,660,156	32,365,500	278,071,535	534,097,191
1979	197,851,829	29,359,992	271,008,916	498,220,737
1980	183,610,062	27,591,943	256,688,082	467,890,087
1981	173,574,462	26,273,437	255,875,717	455,723,616
1982	164,425,369	24,940,981	275,513,489	464,879,839
1983	154,806,196	24,802,772	298,093,559	477,702,527
1984	160,206,464	27,036,480	318,024,622	505,267,566
1985	158,988,059	26,013,271	338,901,863	523,903,193
1986	154,114,595	26,796,139	340,152,276	521,063,010
1987	148,620,112	25,184,078	307,950,881	481,755,071
1988	141,752,231	24,493,279	261,936,530	428,182,040
1989	129,890,896	22,704,934	246,207,653	398,803,483
1990	125,422,632	22,829,541	264,670,535	412,922,708
1991	123,055,398	24,215,860	262,647,733	409,918,991
1992	119,584,067	23,490,830	288,918,208	431,993,105
1993	114,799,547	23,328,586	293,443,881	431,572,014
1994	104,409,317	22,764,469	293,077,191	420,250,977
January	8,607,647	1,994,779	26,863,402[R]	37,465,828[R]
February	7,983,084	1,693,871	24,711,807[R]	34,388,762[R]
March	8,829,524	1,900,960	26,706,714[R]	37,437,198[R]
April	8,626,596	1,850,719	26,175,503[R]	36,652,818[R]
May	9,106,557	1,967,068	28,472,321[R]	39,545,946[R]
June	8,966,772	1,977,988	27,451,937[R]	38,396,697[R]
July	9,077,159	2,043,247	28,594,614[R]	39,715,020[R]
August	9,197,728	2,035,504	25,488,560[R]	36,721,792[R]
September	8,706,031	2,098,299	27,483,466[R]	38,287,796[R]
October	9,288,939	2,081,016	22,007,983[R]	33,377,938[R]
November	9,185,409	1,971,634	27,648,753[R]	38,805,796[R]
December	9,700,341[R]	1,990,346[R]	28,650,028[R]	40,340,715[R]
1995 Total	**107,275,787[R]**	**23,605,431[R]**	**320,255,087[R]**	**451,136,305[R]**
January	8,628,593	1,694,563	26,893,497[E]	37,216,653[E]
February	8,635,321	1,739,589	25,317,827[E]	35,692,737[E]
March	9,569,098	1,968,456	26,864,453[E]	38,402,007[E]
April	9,803,754	1,824,716	26,650,249[E]	38,278,719[E]
May	9,645,217	1,792,629	28,136,970[E]	39,574,816[E]
June	9,305,604	1,709,020	27,291,953[E]	38,306,577[E]
July	9,465,447	1,738,779	28,044,390[E]	39,248,616[E]
August	9,873,221	2,137,169	28,543,595[E]	40,553,985[E]
September	9,504,927[E]	1,834,641[E]	28,209,581[E]	39,549,149[E]
October	9,494,231[E]	1,812,338[E]	28,615,298[E]	39,921,868[E]
November	9,442,644[E]	1,810,276[E]	27,939,103[E]	39,192,023[E]
December	9,458,767[E]	1,825,507[E]	30,950,667[E]	42,234,941[E]
1996 Total	**112,826,825[E]**	**21,887,683[E]**	**333,457,584[E]**	**468,172,092[E]**

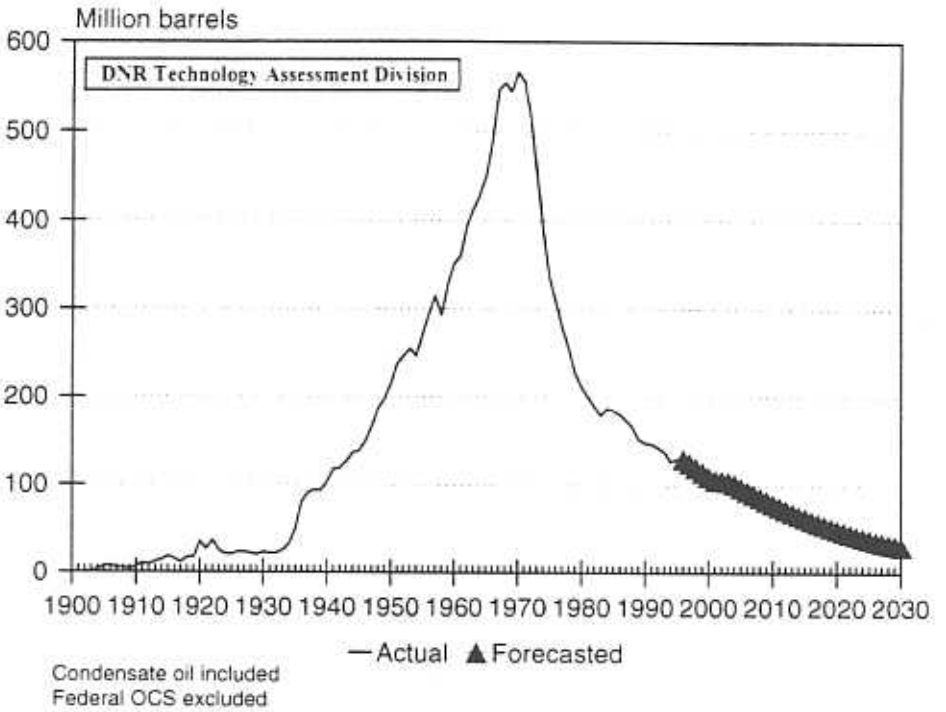
[R]Revised

[E]Estimated

FIGURE 1

LOUISIANA STATE OIL PRODUCTION

ACTUAL AND FORECASTED THROUGH YEAR 2030

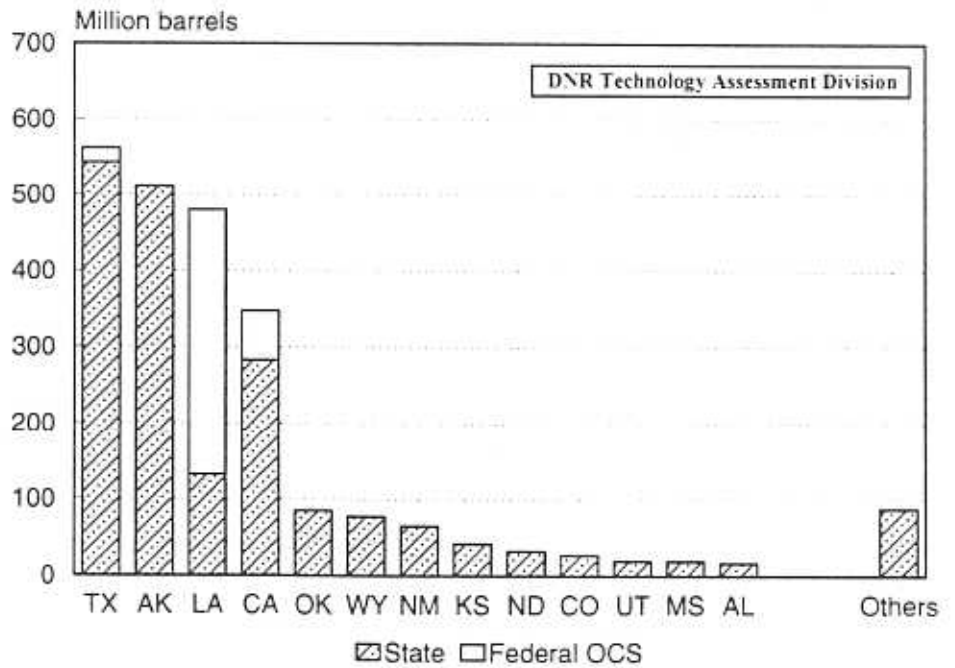


Condensate oil included
Federal OCS excluded

FIGURE 2

1996 UNITED STATES OIL PRODUCTION

BY STATE



Source: U.S. Department of Energy

TABLE 5

UNITED STATES OCS CRUDE OIL AND CONDENSATE PRODUCTION[12]
(Barrels)

YEAR	LOUISIANA	TEXAS	CALIFORNIA	TOTAL
PRIOR	1,150,697	0	0	1,150,697
1954	3,342,230	0	0	3,342,230
1955	6,703,528	1,956	0	6,705,484
1956	11,001,248	13,284	0	11,014,532
1957	16,064,395	5,792	0	16,070,187
1958	24,769,037	0	0	24,769,037
1959	35,697,264	257	0	35,697,521
1960	49,665,891	98	0	49,665,989
1961	64,330,078	0	0	64,330,078
1962	89,733,099	3,483	0	89,736,582
1963	104,526,436	52,804	0	104,579,240
1964	122,495,173	4,953	0	122,500,126
1965	144,964,868	3,747	0	144,968,615
1966	187,831,472	882,598	0	188,714,070
1967	218,995,828	2,865,786	0	221,861,614
1968	263,825,359	3,110,642	2,059,889	268,995,890
1969	300,159,292	2,759,851	9,940,844	312,859,987
1970	333,411,492	2,247,048	24,987,628	360,646,168
1971	385,760,351	1,685,047	31,103,548	418,548,946
1972	387,590,662	1,733,018	22,562,213	411,885,893
1973	374,196,856	1,617,829	18,915,314	394,729,999
1974	342,435,496	1,381,825	16,776,744	360,594,065
1975	313,592,559	1,340,136	15,304,757	330,237,452
1976	301,887,002	1,054,554	13,978,553	316,920,109
1977	290,771,605	909,037	12,267,598	303,948,240
1978	278,071,535	2,107,599	12,085,908	292,265,042
1979	271,008,916	3,595,546	10,961,076	285,565,538
1980	256,688,082	10,502,007	10,198,886	277,388,975
1981	255,875,717	14,284,661	19,605,027	289,765,405
1982	275,513,489	17,263,766	28,434,202	321,211,457
1983	298,093,559	19,710,197	30,527,487	348,331,243
1984	318,024,622	21,960,086	30,254,306	370,239,014
1985	338,901,863	20,640,957	29,781,465	389,324,285
1986	340,152,276	19,835,882	29,227,846	389,216,004
1987	307,950,881	24,634,142	33,556,686	366,141,709
1988	261,936,530	26,115,776	32,615,118	320,667,424
1989	246,207,653	25,887,841	33,072,161	305,167,655
1990	264,670,535	26,439,927	33,312,719	324,423,181
1991	262,647,733	23,899,428	29,146,090	315,693,251
1992	288,918,208	23,582,162	41,222,801	353,726,380
1993	293,443,881	19,151,111	50,078,144	362,675,766
1994	293,077,191	19,121,540	57,229,464	369,474,307
1995	320,255,087	17,347,391	71,254,440	408,875,006

See footnotes in Appendix A.

FIGURE 3

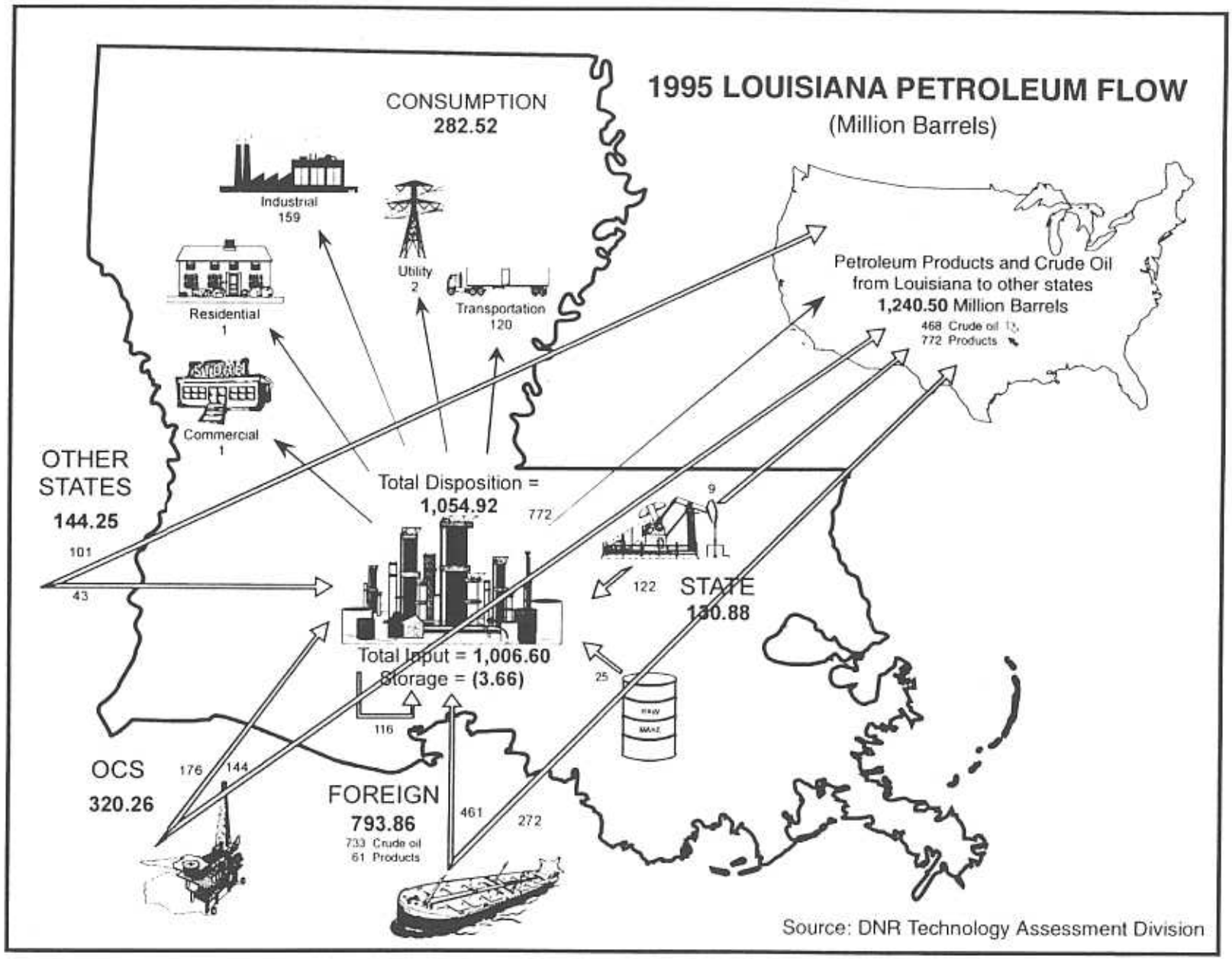

1995 LOUISIANA PETROLEUM FLOW
(Million Barrels)
CONSUMPTION
282.52
Industrial
159
Utility
2
Residential
1
Transportation
120
Commercial
1
Petroleum Products and Crude Oil
from Louisiana to other states
1,240.50 Million Barrels
468 Crude oil
772 Products
OTHER
STATES
144.25
101
43
Total Disposition =
1,054.92
772
9
122
STATE
130.88
Total Input = 1,006.60
Storage = (3.66)
25
116
OCS
320.26
176
144
FOREIGN
793.86
733 Crude oil
61 Products
461
272
Source: DNR Technology Assessment Division

TABLE 6

UNITED STATES CRUDE OIL AND CONDENSATE PRODUCTION AND IMPORTS
(Thousand Barrels)

DATE	ALL OCS[12]	DOMESTIC PRODUCTION*[7]	IMPORTS OTHER[7]	IMPORTS SPR[7]
1975	330,237	3,056,875	1,498,325	N/A
1976	316,920	2,976,312	1,935,042	N/A
1977	303,948	3,009,425	2,406,810	7,665
1978	292,265	3,178,055	2,261,175	59,130
1979	285,566	3,121,480	2,354,980	24,455
1980	277,389	3,146,502	1,910,154	16,104
1981	289,765	3,128,780	1,511,465	93,440
1982	321,211	3,156,885	1,212,895	60,225
1983	348,331	3,171,120	1,130,040	85,410
1984	370,239	3,249,714	1,181,814	72,102
1985	389,324	3,274,415	1,125,295	43,070
1986	389,216	3,168,200	1,507,450	17,520
1987	366,142	3,047,385	1,679,365	26,645
1988	320,667	2,979,240	1,850,130	18,666
1989	305,168	2,778,745	2,112,255	20,440
1990	324,423	2,684,575	2,141,455	9,855
1991	315,693	2,707,205	2,110,430	0
1992	353,726	2,617,998	2,212,470	3,660
1993	362,676	2,495,933	2,451,415	5,367
1994	369,474	2,418,981	2,560,220	4,485
January	34,194[R]	204,489	201,581	0
February	31,561[R]	187,687	183,815	0
March	34,285[R]	204,790	229,671	0
April	33,188[R]	196,823	212,177	0
May	35,808[R]	203,725	227,969	0
June	34,976[R]	196,199	238,695	0
July	36,166[R]	199,930	225,227	0
August	33,154[R]	200,334	229,858	0
September	34,677[R]	191,387	241,234	0
October	29,306[R]	199,303	219,316	0
November	35,150[R]	196,622	218,077	0
December	36,409[R]	202,115	215,069	0
1995 Total	**408,875[R]**	**2,383,404**	**2,642,689**	**0**
January	35,391	201,330	225,053	0
February	33,548	189,961	190,041	0
March	35,665	201,982	221,210	0
April	34,944	194,371	219,466	0
May	36,330	199,741	248,909	0
June	35,548	195,054	238,747	0
July	36,286	197,885	240,889	0
August	36,609	198,060	248,611	0
September	36,111	195,105	219,999	0
October	36,633	201,198	238,180	0
November	35,659	193,958	220,314	0
December	39,083	199,890	226,968	0
1996 Total	**431,807**	**2,368,535**	**2,738,387**	**0**

*Includes OCS

[R]Revised

See footnotes in Appendix A.

TABLE 7

LOUISIANA STATE NATURAL GAS PRODUCTION, WET AFTER LEASE SEPARATION

Excluding OCS and Casinghead Gas

(Thousand Cubic Feet (MCF), at 15.025 psia and 60 degrees Fahrenheit)

DATE	NORTH	SOUTH	OFFSHORE	TOTAL
1975	301,887,189	2,608,074,710	461,823,702	3,371,785,579
1976	305,008,371	2,358,362,638	469,995,985	3,133,366,927
1977	299,677,274	2,220,671,254	450,666,115	2,971,014,560
1978	281,294,066	2,060,987,405	460,027,607	2,802,309,078
1979	318,678,322	1,956,099,964	451,195,720	2,725,974,006
1980	330,884,663	1,767,558,650	386,259,849	2,484,703,162
1981	365,532,522	1,619,182,208	352,913,474	2,337,628,204
1982	322,562,084	1,401,264,770	336,247,316	2,060,074,170
1983	309,779,141	1,197,313,110	295,223,244	1,802,315,495
1984	330,928,158	1,265,569,410	288,926,246	1,885,423,814
1985	300,663,731	1,158,015,879	224,447,933	1,683,127,543
1986	313,753,687	1,125,245,664	216,313,931	1,655,313,282
1987	307,115,420	1,055,195,652	201,763,178	1,564,074,250
1988	325,963,115	1,067,940,357	193,310,392	1,587,213,864
1989	338,950,374	1,044,297,352	182,501,789	1,565,749,515
1990	348,400,863	1,019,951,674	158,125,352	1,526,477,889
1991	347,794,923	1,028,714,344	130,244,999	1,506,754,266
1992	340,962,480	986,842,710	123,004,591	1,450,809,781
1993	333,365,443	970,558,217	130,644,180	1,434,567,840
1994	334,405,155	924,936,273	134,041,559	1,393,382,987
January	28,993,462	76,605,558	11,363,588	116,962,608
February	25,566,805	71,014,068	10,086,562	106,667,435
March	29,106,187	76,532,501	11,767,294	117,405,982
April	28,373,600	77,385,360	10,806,330	116,565,290
May	29,594,436	78,948,984	11,450,939	119,994,359
June	28,587,134	75,787,298	10,499,541	114,873,973
July	29,626,114	77,404,257	11,979,689	119,010,060
August	29,551,516	78,931,275	12,577,958	121,060,749
September	28,837,168	75,974,265	12,362,933	117,174,366
October	30,072,614	76,866,333	13,388,664	120,327,611
November	29,037,722	75,474,694	12,741,432	117,253,848
December	30,577,536[R]	75,904,252[R]	13,168,646[R]	119,650,434[R]
1995 Total	**347,924,294[R]**	**916,828,845[R]**	**142,193,576[R]**	**1,406,946,715[R]**
January	31,694,373	75,624,236	13,865,992	121,184,601
February	29,618,323	70,598,131	12,897,834	113,114,288
March	32,247,939	76,355,300	15,729,092	124,332,331
April	31,456,199	77,271,170	14,417,601	123,144,970
May	32,982,293	80,005,726	13,673,447	126,661,466
June	32,072,592	76,886,572	13,934,803	122,893,967
July	32,674,465	79,178,583	13,998,757	125,851,805
August	32,939,672	80,706,757	13,422,744	127,069,173
September	32,259,488[E]	78,606,000[E]	13,838,530[E]	124,704,018[E]
October	32,420,146[E]	78,872,966[E]	13,722,716[E]	125,015,827[E]
November	32,307,716[E]	78,646,414[E]	13,732,570[E]	124,686,699[E]
December	32,354,741[E]	78,998,382[E]	13,692,123[E]	125,045,246[E]
1996 Total	**385,027,946[E]**	**931,750,237[E]**	**166,926,208[E]**	**1,483,704,391[E]**

[R]Revised

[E]Estimated

TABLE 8

LOUISIANA STATE CASINGHEAD GAS PRODUCTION, WET AFTER LEASE SEPARATION
Excluding OCS
(Thousand Cubic Feet (MCF), at 15.025 psia and 60 degrees Fahrenheit)

DATE	NORTH	SOUTH	OFFSHORE	TOTAL
1975	39,365,666	297,273,123	47,659,685	384,298,468
1976	42,727,221	273,525,032	42,938,947	359,191,184
1977	48,518,052	246,986,172	35,430,093	330,934,328
1978	51,844,748	218,284,388	29,701,044	299,830,180
1979	40,787,977	183,313,733	25,769,504	249,871,214
1980	38,744,387	164,256,351	22,524,274	225,525,012
1981	54,461,955	145,002,268	21,922,829	221,387,052
1982	55,863,596	134,358,406	23,337,433	213,559,435
1983	54,943,524	124,511,997	26,206,906	205,662,427
1984	55,963,897	125,127,837	29,081,452	210,173,186
1985	55,735,829	112,306,864	29,635,701	197,678,394
1986	55,221,898	110,422,742	33,507,683	199,152,323
1987	53,856,458	111,715,474	29,145,755	194,717,687
1988	51,713,587	111,548,808	22,788,966	186,051,361
1989	43,151,092	95,472,705	22,389,901	161,013,698
1990	34,770,189	93,283,902	20,537,696	148,591,787
1991	36,210,214	93,599,557	20,340,594	150,150,365
1992	29,465,495	133,236,937	23,609,696	186,312,128
1993	20,583,938	134,533,415	23,284,224	178,401,577
1994	21,493,345	113,311,545	23,065,762	157,870,652
January	1,960,400	8,209,238	2,129,303	12,298,941
February	1,360,829	7,517,855	1,874,292	10,752,976
March	1,768,348	7,981,552	1,994,750	11,744,650
April	1,386,010	8,371,793	1,977,890	11,735,693
May	1,601,318	8,886,128	1,996,365	12,483,811
June	1,567,745	8,283,367	2,129,120	11,980,232
July	1,575,954	8,842,728	2,140,912	12,559,594
August	1,498,272	8,684,325	2,132,787	12,315,384
September	1,524,560	8,553,363	2,122,325	12,200,248
October	1,504,130	8,112,326	1,606,650	11,223,106
November	1,467,749	8,094,739	1,718,905	11,281,393
December	1,439,561[R]	8,276,094[R]	1,645,239[R]	11,360,894[R]
1995 Total	**18,654,876[R]**	**99,813,508[R]**	**23,468,538[R]**	**141,936,922[R]**
January	1,483,935	8,060,714	1,640,260	11,184,909
February	1,888,132	7,446,378	1,345,508	10,680,018
March	1,928,655	8,080,955	1,749,324	11,758,934
April	1,713,662	8,353,232	1,521,139	11,588,033
May	1,850,963	7,900,095	1,473,107	11,224,165
June	1,706,445	7,752,811	1,514,538	10,973,794
July	2,061,066	7,808,624	1,596,684	11,466,374
August	2,116,097	7,474,716	1,646,799	11,237,612
September	1,887,376[E]	7,855,136[E]	1,548,331[E]	11,290,843[E]
October	1,922,119[E]	7,755,517[E]	1,553,769[E]	11,231,405[E]
November	1,936,350[E]	7,726,602[E]	1,569,902[E]	11,232,853[E]
December	1,982,331[E]	7,721,360[E]	1,580,974[E]	11,284,665[E]
1996 Total	**22,477,130[E]**	**93,936,140[E]**	**18,740,335[E]**	**135,153,605[E]**

[R]Revised

[E]Estimated

TABLE 9

LOUISIANA STATE GAS PRODUCTION, WET AFTER LEASE SEPARATION
Natural Gas and Casinghead Gas
Excluding OCS
(Thousand Cubic Feet (MCF), at 15.025 psia and 60 degrees Fahrenheit)*

DATE	NORTH	SOUTH	OFFSHORE	TOTAL
1975	341,252,856	2,905,347,833	509,483,387	3,756,084,047
1976	347,735,592	2,631,887,670	512,934,932	3,492,558,111
1977	348,195,326	2,467,657,426	486,096,208	3,301,948,888
1978	333,138,814	2,279,271,793	489,728,651	3,102,139,258
1979	359,466,299	2,139,413,697	476,965,224	2,975,845,220
1980	369,629,050	1,931,815,001	408,784,123	2,710,228,174
1981	419,994,477	1,764,184,476	374,836,303	2,559,015,256
1982	378,425,680	1,535,623,176	359,584,749	2,273,633,605
1983	364,722,665	1,321,825,107	321,430,150	2,007,977,922
1984	386,892,055	1,390,697,247	318,007,698	2,095,597,000
1985	356,399,560	1,270,322,743	254,083,634	1,880,805,937
1986	368,975,585	1,235,668,406	249,821,614	1,854,465,605
1987	360,971,878	1,166,911,126	230,908,933	1,758,791,937
1988	377,676,702	1,179,489,165	216,099,358	1,773,265,225
1989	382,101,466	1,139,770,057	204,891,690	1,726,763,213
1990	383,171,052	1,113,235,576	178,663,048	1,675,069,676
1991	384,005,137	1,122,313,901	150,585,593	1,656,904,631
1992	370,427,975	1,120,079,647	146,614,287	1,637,121,909
1993	353,949,381	1,105,091,632	153,928,404	1,612,969,417
1994	355,898,500	1,038,247,818	157,107,321	1,551,253,639
January	30,953,862	84,814,796	13,492,891	129,261,549
February	26,927,634	78,531,923	11,960,854	117,420,411
March	30,874,535	84,514,053	13,762,044	129,150,632
April	29,759,610	85,757,153	12,784,220	128,300,983
May	31,195,754	87,835,112	13,447,304	132,478,170
June	30,154,879	84,070,665	12,628,661	126,854,205
July	31,202,068	86,246,985	14,120,601	131,569,654
August	31,049,788	87,615,600	14,710,745	133,376,133
September	30,361,728	84,527,628	14,485,258	129,374,614
October	31,576,744	84,978,659	14,995,314	131,550,717
November	30,505,471	83,569,433	14,460,337	128,535,241
December	32,017,097[R]	84,180,346[R]	14,813,885[R]	131,011,328[R]
1995 Total	**366,579,170[R]**	**1,016,642,353[R]**	**165,662,114[R]**	**1,548,883,637[R]**
January	33,178,308	83,684,950	15,506,252	132,369,510
February	31,506,455	78,044,509	14,243,342	123,794,306
March	34,176,594	84,436,255	17,478,416	136,091,265
April	33,169,861	85,624,402	15,938,740	134,733,003
May	34,833,256	87,905,821	15,146,554	137,885,631
June	33,779,037	84,639,383	15,449,341	133,867,761
July	34,735,531	86,987,207	15,595,441	137,318,179
August	35,055,769	88,181,473	15,069,543	138,306,785
September	34,146,864[E]	86,461,136[E]	15,386,861[E]	135,994,861[E]
October	34,342,264[E]	86,628,483[E]	15,276,485[E]	136,247,232[E]
November	34,244,066[E]	86,373,015[E]	15,302,471[E]	135,919,552[E]
December	34,337,071[E]	86,719,742[E]	15,273,097[E]	136,329,911[E]
1996 Total	**407,505,076[E]**	**1,025,686,377[E]**	**185,666,543[E]**	**1,618,857,996[E]**

*See Appendix D-1 for corresponding volumes at 14.73 psia.

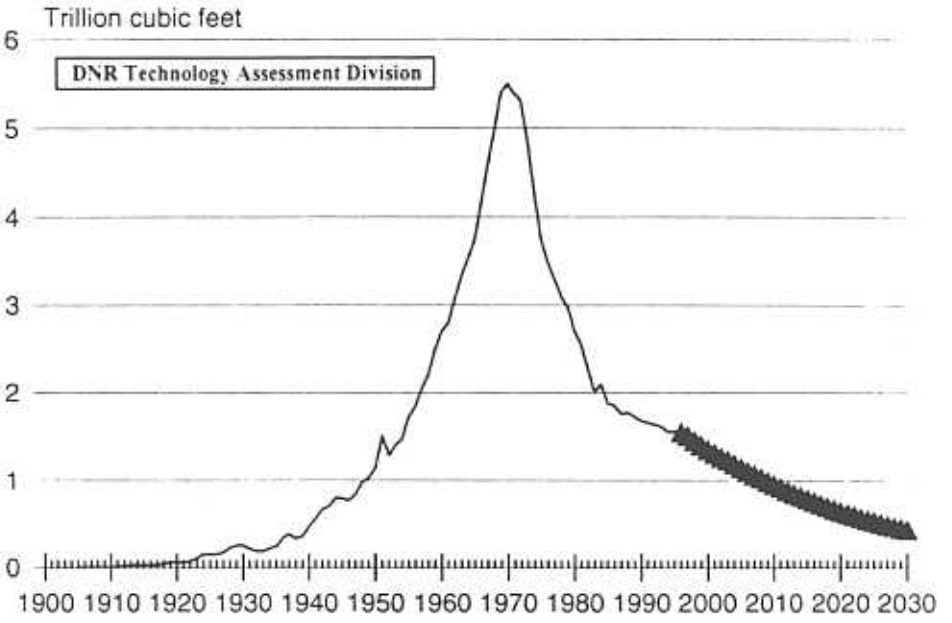
[R]Revised

[E]Estimated

FIGURE 4

LOUISIANA STATE GAS PRODUCTION

ACTUAL AND FORECASTED THROUGH YEAR 2030

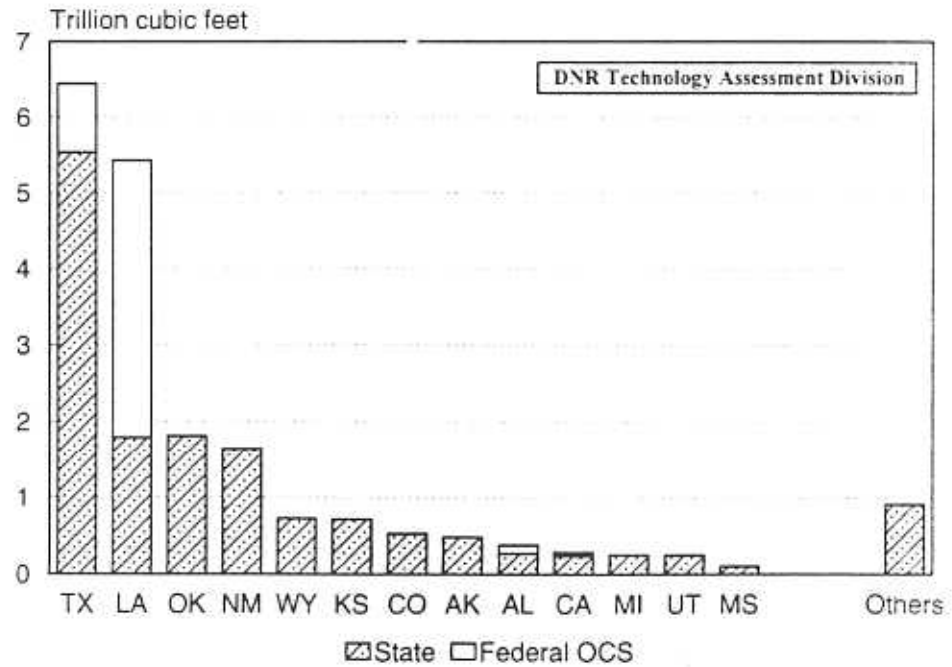


Casinghead gas included
Federal OCS excluded

FIGURE 5

1996 UNITED STATES OIL PRODUCTION

BY STATE



Source: U.S. Department of Energy

TABLE 10

LOUISIANA TOTAL GAS PRODUCTION, WET AFTER LEASE SEPARATION

Natural Gas and Casinghead Gas

(Thousand Cubic Feet (MCF), at 15.025 psia and 60 degrees Fahrenheit)*

DATE	ONSHORE	STATE	OFFSHORE OCS[12]	TOTAL
1975	3,246,600,688	509,483,387	3,266,745,456	7,022,829,531
1976	2,979,623,262	512,934,932	3,431,149,749	6,923,707,943
1977	2,815,852,752	486,096,208	3,575,898,616	6,877,847,576
1978	2,612,410,607	489,728,651	4,068,255,571	7,170,394,829
1979	2,498,879,996	476,965,224	4,076,873,552	7,052,718,772
1980	2,301,444,051	408,784,123	3,934,902,550	6,645,130,724
1981	2,184,178,953	374,836,303	4,025,867,929	6,584,883,185
1982	1,914,048,856	359,584,749	3,729,057,653	6,002,691,258
1983	1,686,547,772	321,430,150	3,111,576,348	5,119,554,270
1984	1,777,589,302	318,007,698	3,508,475,799	5,604,072,799
1985	1,626,722,303	254,083,634	3,055,687,773	4,936,493,710
1986	1,604,643,991	249,821,614	2,870,347,386	4,724,812,991
1987	1,527,883,004	230,908,933	3,117,669,167	4,876,461,104
1988	1,557,165,867	216,099,358	3,036,077,646	4,809,342,871
1989	1,521,871,523	204,891,690	2,947,545,132	4,674,308,345
1990	1,496,406,628	178,663,048	3,633,554,307	5,308,623,983
1991	1,506,319,038	150,585,593	3,225,373,562	4,882,278,193
1992	1,490,507,622	146,614,287	3,272,561,370	4,909,683,279
1993	1,459,041,013	153,928,404	3,320,312,261	4,933,281,678
1994	1,394,146,318	157,107,321	3,423,837,064	4,975,090,703
January	115,768,658	13,492,891	320,498,844[R]	449,760,393[R]
February	105,459,557	11,960,854	262,053,528[R]	379,473,939[R]
March	115,388,588	13,762,044	309,519,550[R]	438,670,182[R]
April	115,516,763	12,784,220	304,718,964[R]	433,019,947[R]
May	119,030,866	13,447,304	311,486,897[R]	443,965,067[R]
June	114,225,544	12,628,661	295,053,285[R]	421,907,490[R]
July	117,449,053	14,120,601	318,143,200[R]	449,712,854[R]
August	118,665,388	14,710,745	287,271,341[R]	420,647,474[R]
September	114,889,356	14,485,258	286,490,335[R]	415,864,949[R]
October	116,555,403	14,995,314	267,792,057[R]	399,342,774[R]
November	114,074,904	14,460,337	288,744,441[R]	417,279,682[R]
December	116,197,443[R]	14,813,885[R]	312,905,221[R]	443,916,549[R]
1995 Total	**1,383,221,523[R]**	**165,662,114[R]**	**3,564,677,663[R]**	**5,113,561,300[R]**
January	116,863,258	15,506,252	321,580,978[E]	453,950,488[E]
February	109,550,964	14,243,342	262,938,327[E]	386,732,633[E]
March	118,612,849	17,478,416	310,564,613[E]	446,655,878[E]
April	118,794,263	15,938,740	305,747,818[E]	440,480,821[E]
May	122,739,077	15,146,554	312,538,603[E]	450,424,234[E]
June	118,418,420	15,449,341	296,049,505[E]	429,917,266[E]
July	121,722,738	15,595,441	319,217,380[E]	456,535,559[E]
August	123,237,242	15,069,543	288,241,286[E]	426,548,071[E]
September	120,608,000[E]	15,386,861[E]	287,457,643[E]	423,452,503[E]
October	120,970,747[E]	15,276,485[E]	268,696,231[E]	404,943,463[E]
November	120,617,081[E]	15,302,471[E]	289,719,360[E]	425,638,912[E]
December	121,056,813[E]	15,273,097[E]	313,961,716[E]	450,291,627[E]
1996 Total	**1,433,191,453[E]**	**185,666,543[E]**	**3,576,713,461[E]**	**5,195,571,457[E]**

NOTE: The 1996 Federal OCS production is estimated from the marketed production.

*See Appendix D-2 for corresponding volumes at 14.73 psia.

[R]Revised

[E]Estimated

See footnotes in Appendix A.

TABLE 11

LOUISIANA NATURAL GAS AND CASINGHEAD GAS PRODUCTION
(Billion Cubic Feet (BCF), at 15.025 psia and 60 degrees Fahrenheit)*

	MARKETED				
DATE	STATE	OCS	TOTAL[3]	EXTRACTION LOSS[3]	DRY[3]
1975	3,355	3,597	6,951	186	6,766
1976	3,133	3,736	6,869	169	6,700
1977	2,930	4,143	7,073	163	6,910
1978	2,733	4,597	7,330	158	7,171
1979	2,632	4,491	7,124	162	6,961
1980	2,391	4,118	6,509	139	6,370
1981	2,219	4,428	6,647	140	6,507
1982	1,974	4,077	6,050	126	5,924
1983	1,722	3,505	5,227	122	5,106
1984	1,835	3,875	5,711	130	5,581
1985	1,656	3,259	4,915	115	4,800
1986	1,625	3,174	4,799	113	4,686
1987	1,544	3,478	5,022	122	4,899
1988	1,664	3,415	5,079	118	4,961
1989	1,620	3,359	4,978	119	4,859
1990	1,597	3,542	5,139	117	5,022
1991	1,544	3,391	4,936	127	4,809
1992	1,658	3,160	4,818	130	4,688
1993	1,599	3,294	4,893	128	4,765
1994	1,549	3,519	5,068	126	4,942
January	122	318[R]	440[R]		
February	129	260[R]	388[R]		
March	118	307[R]	425[R]		
April	117	302[R]	420[R]		
May	130	309[R]	439[R]		
June	127	293[R]	420[R]		
July	115	316[R]	431[R]		
August	129	285[R]	414[R]		
September	130	284[R]	414[R]		
October	121	266[R]	386[R]		
November	113	287[R]	399[R]		
December	120	311[R]	431[R]		
1995 Total	**1,471**	**3,537[R]**	**5,008[R]**	**143[R]**	**4,865[R]**
January	133	315	449		
February	105	314	419		
March	124	316	440		
April	119	308	427		
May	124	320	444		
June	131	298	429		
July	128	324	452		
August	112	338	450		
September	137	302	439		
October	125	302	427		
November	130	331	461		
December	119	366	485		
1996 Total	**1,488**	**3,834**	**5,322**	**N/A**	N/A

*See Appendix D-3 for corresponding volumes at 14.73 psia.

[R]Revised

See footnotes in Appendix A.

TABLE 12

UNITED STATES OCS GAS PRODUCTION[12]

Natural Gas and Casinghead Gas

(Thousand Cubic Feet (MCF), at 15.025 psia and 60 degrees Fahrenheit)*

YEAR	LOUISIANA	TEXAS	CALIFORNIA	TOTAL
PRIOR	19,490,712	0	0	19,490,712
1954	55,219,200	0	0	55,219,200
1955	79,683,214	0	0	79,683,214
1956	81,265,031	0	0	81,265,031
1957	80,947,656	4,703	0	80,952,359
1958	125,185,735	0	0	125,185,735
1959	203,089,002	0	0	203,089,002
1960	267,673,709	0	0	267,673,709
1961	312,031,003	0	0	312,031,003
1962	443,079,048	0	0	443,079,048
1963	553,272,142	0	0	553,272,142
1964	609,524,401	0	0	609,524,401
1965	632,914,005	0	0	632,914,005
1966	946,433,484	41,233,595	0	987,667,078
1967	1,065,915,553	97,990,476	0	1,163,906,029
1968	1,385,715,670	107,752,805	783,984	1,494,252,460
1969	1,786,760,423	124,601,568	4,750,708	1,916,112,699
1970	2,228,516,212	130,683,192	11,989,041	2,371,188,444
1971	2,582,297,962	124,857,371	15,363,786	2,722,519,119
1972	2,824,792,196	144,267,198	9,836,582	2,978,895,976
1973	2,995,634,220	145,754,588	7,143,485	3,148,532,293
1974	3,283,413,450	156,838,375	5,464,209	3,445,716,035
1975	3,266,745,456	120,166,178	3,874,047	3,390,785,681
1976	3,431,149,749	90,764,667	3,406,969	3,525,321,386
1977	3,575,898,616	85,236,246	3,225,368	3,664,360,230
1978	4,068,255,571	227,305,175	3,404,117	4,298,964,864
1979	4,076,873,552	501,546,069	2,810,535	4,581,230,155
1980	3,934,902,550	612,378,333	3,046,020	4,550,326,904
1981	4,025,867,929	715,937,640	12,515,654	4,754,321,224
1982	3,729,057,653	841,173,981	17,402,403	4,587,634,037
1983	3,111,576,348	834,112,318	15,709,672	3,961,398,338
1984	3,508,475,799	913,008,621	27,260,940	4,448,745,360
1985	3,055,687,773	818,533,627	48,198,926	3,922,420,326
1986	2,870,347,386	959,161,285	41,850,867	3,871,359,539
1987	3,117,669,167	1,180,839,487	40,181,438	4,338,690,093
1988	3,036,077,646	1,155,285,485	33,891,880	4,225,255,011
1989	2,947,545,132	1,142,237,197	28,013,874	4,117,796,204
1990	3,633,554,307	1,321,607,333	37,775,234	4,992,936,873
1991	3,225,373,562	1,161,671,524	39,828,917	4,426,874,003
1992	3,272,561,370	1,215,055,449	40,071,149	4,593,647,066
1993	3,320,312,261	1,007,755,289	41,255,853	4,444,381,437
1994	3,423,837,064	994,291,314	40,860,740	4,565,582,229
1995	3,564,677,663	890,682,224	35,710,325	4,600,143,070

*See Appendix D-4 for corresponding volumes at 14.73 psia.

See footnotes in Appendix A.

FIGURE 6

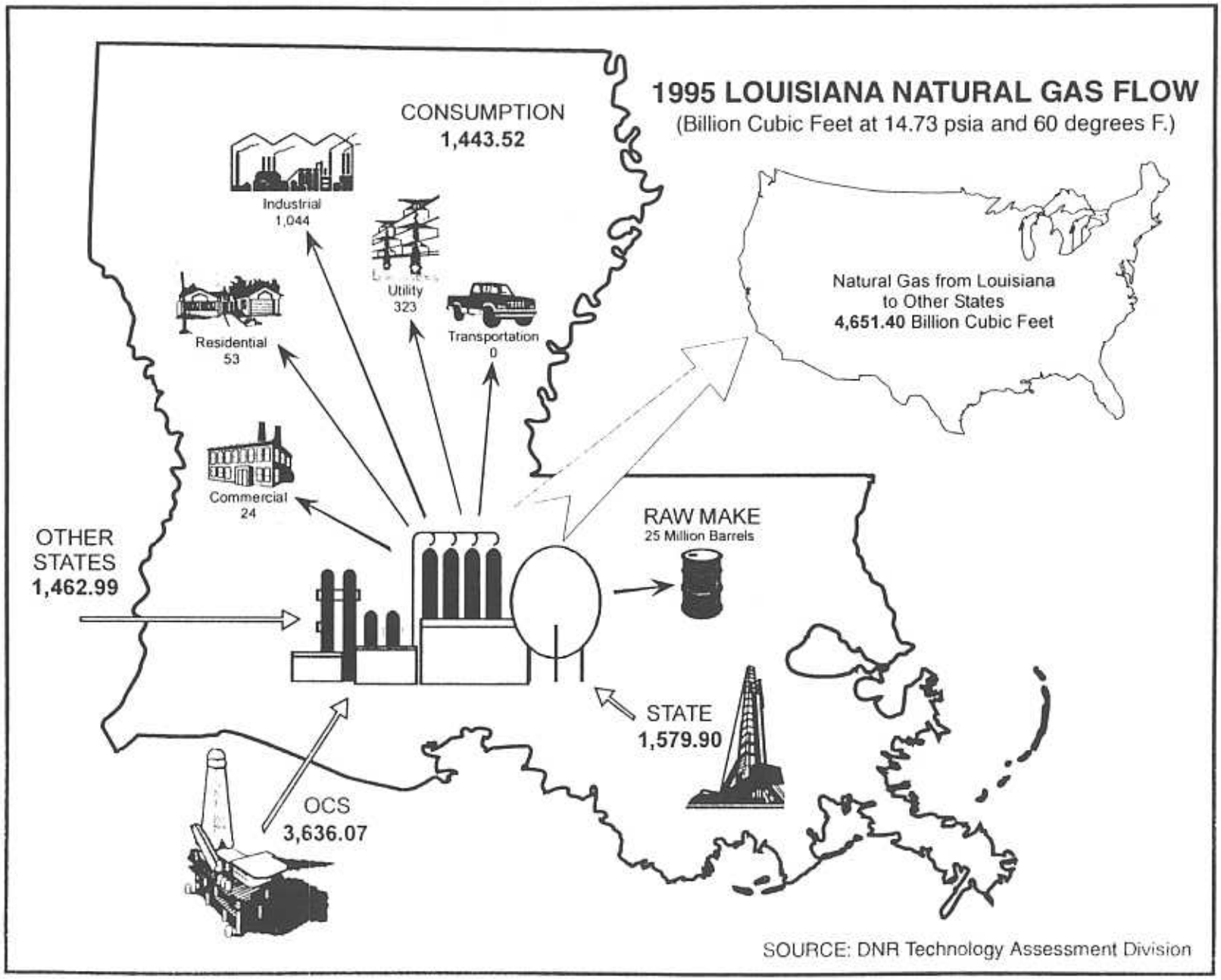

1995 LOUISIANA NATURAL GAS FLOW
(Billion Cubic Feet at 14.73 psia and 60 degrees F.)
CONSUMPTION
1,443.52
Industrial
1,044
Utility
323
Transportation
0
Residential
53
Commercial
24
Natural Gas from Louisiana
to Other States
4,651.40 Billion Cubic Feet
OTHER
STATES
1,462.99
RAW MAKE
25 Million Barrels
STATE
1,579.90
OCS
3,636.07
SOURCE: DNR Technology Assessment Division

TABLE 13

UNITED STATES NATURAL GAS AND CASINGHEAD GAS PRODUCTION[3]
(Billion Cubic Feet (BCF), at 15.025 psia and 60 degrees Fahrenheit)*

DATE	GROSS	WET AFTER LEASE SEPARATION	MARKETED	DRY	IMPORTS
1975	20,689	19,845	19,714	18,859	934
1976	20,533	19,690	19,561	18,723	945
1977	20,683	19,766	19,632	18,787	991
1978	20,890	19,732	19,582	18,746	947
1979	21,454	20,233	0,069	19,277	1,229
1980	21,440	19,907	19,784	19,022	965
1981	21,164	19,660	9,564	18,805	886
1982	19,874	18,309	18,217	17,470	915
1983	18,293	16,646	16,553	15,778	900
1984	19,869	18,051	17,945	17,124	827
1985	19,222	17,024	16,931	16,131	931
1986	18,755	16,623	16,528	15,744	736
1987	19,745	17,212	17,091	16,294	973
1988	20,587	17,706	17,567	16,767	1,268
1989	20,661	17,879	17,740	16,971	1,354
1990	21,100	18,376	18,229	17,460	1,502
1991	21,322	18,336	18,169	17,351	1,738
1992	21,698	18,509	18,344	17,490	2,096
1993	22,279	18,832	18,609	17,740	2,304
1994	23,118[R]	19,474[R]	19,323[R]	18,451[R]	2,572[R]
January	2,003[R]	1,665[R]	1,644[R]	1,568[R]	248[R]
February	1,786[R]	1,485[R]	1,466[R]	1,398[R]	231[R]
March	1,986[R]	1,647[R]	1,627[R]	1,551[R]	245[R]
April	1,907[R]	1,593[R]	1,573[R]	1,500[R]	227[R]
May	1,958[R]	1,640[R]	1,617[R]	1,541[R]	224[R]
June	1,872[R]	1,583[R]	1,556[R]	1,483[R]	213[R]
July	1,922[R]	1,632[R]	1,607[R]	1,532[R]	218[R]
August	1,926[R]	1,618[R]	1,596[R]	1,522[R]	232[R]
September	1,876[R]	1,574[R]	1,550[R]	1,477[R]	223[R]
October	1,949[R]	1,603[R]	1,578[R]	1,505[R]	231[R]
November	2,005[R]	1,648[R]	1,624[R]	1,549[R]	232[R]
December	2,086[R]	1,711[R]	1,685[R]	1,607[R]	259[R]
1995 Total	**23,277[R]**	**19,399[R]**	**19,123[R]**	**18,233[R]**	**2,785[R]**
January	2,052	1,691	1,667	1,589	246
February	1,917	1,584	1,562	1,488	224
March	2,023	1,673	1,651	1,573	219
April	1,972	1,643	1,621	1,545	214
May	1,962	1,654	1,632	1,557	238
June	1,916	1,603	1,584	1,511	219
July	1,970	1,657	1,635	1,559	230
August	1,981	1,658	1,636	1,560	235
September	2,909	1,604	1,583	1,510	231
October	1,988	1,642	1,622	1,546	244
November	2,001	1,661	1,640	1,564	245
December	2,098	1,744	1,723	1,642	265
1996 Total	**24,789**	**19,813**	**19,555**	**18,644**	**2,811**

*See Appendix D-5 for corresponding volumes at 14.73 psia.

[R]Revised

See footnotes in Appendix A.

FIGURE 7
LOUISIANA OIL PRODUCTION AND PRICE

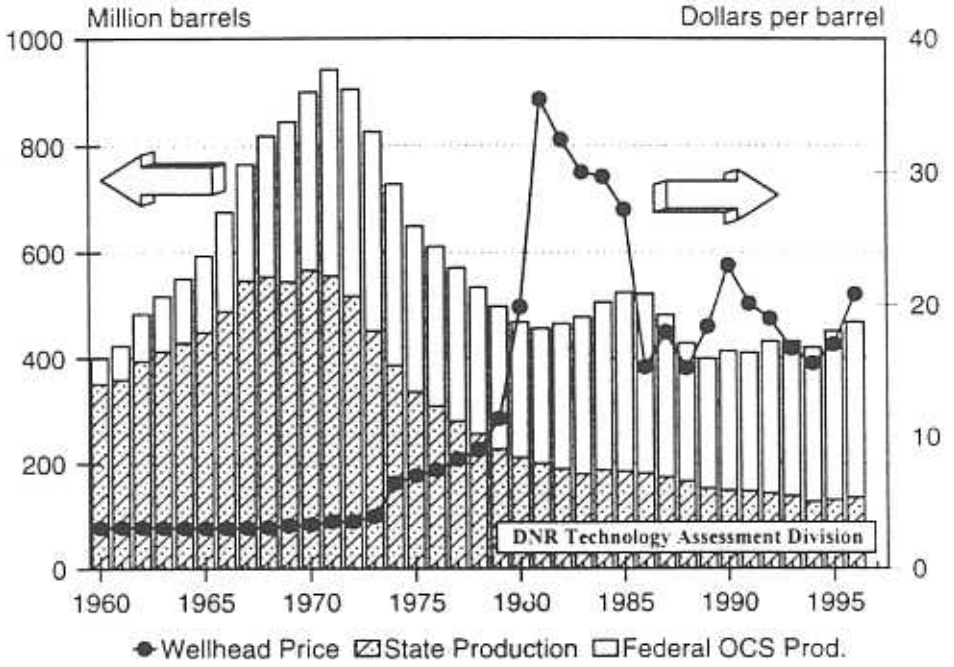


FIGURE 8
LOUISIANA GAS PRODUCTION AND PRICE

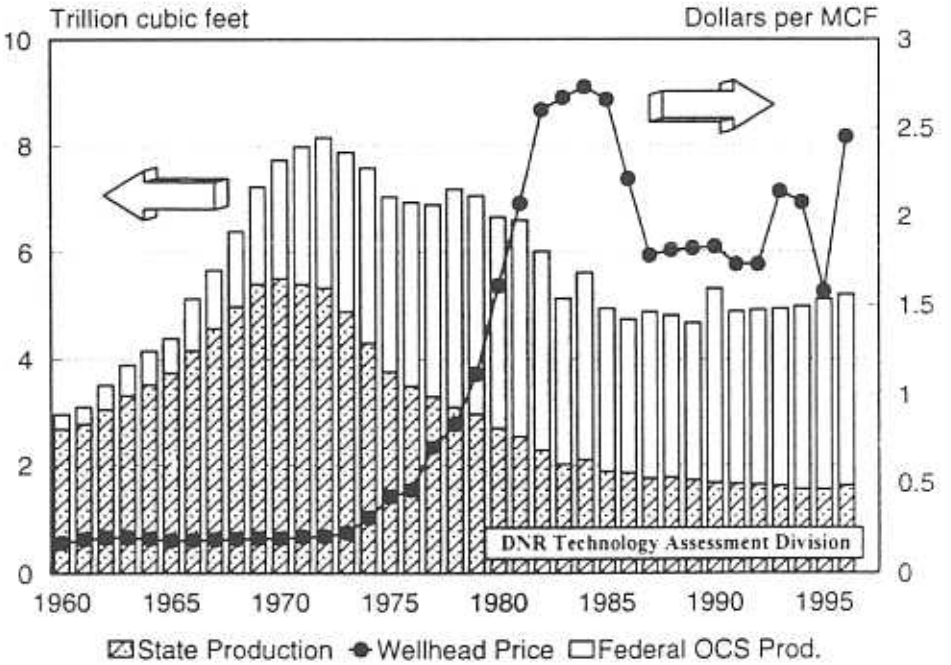


TABLE 14

LOUISIANA AVERAGE CRUDE OIL PRICES
(Dollars/Barrel)

	SOUTH LOUISIANA SWEET		ALL GRADES AT WELLHEAD			
DATE	SPOT MARKET[10]	REFINERY POSTED	STATE[6]	OCS GULF[6]	SEVERANCE TAX[8]	STATE ROYALTY
1975	N/A	8.87[R]	7.09	7.51	6.88	6.65
1976	N/A	11.74[R]	7.51	8.14	7.39	6.75
1977	N/A	12.25[R]	8.33	9.00	7.79	7.38
1978	N/A	14.30[R]	9.03	9.86	8.59	8.27
1979	N/A	24.83[R]	11.42	11.23	10.23	9.99
1980	N/A	37.79[R]	19.87	18.87	17.64	17.74
1981	N/A	36.13[R]	35.45	35.07	33.07	35.08
1982	N/A	32.91	32.44	32.61	33.55	32.33
1983	30.63	30.63	30.02	29.77	30.38	28.64
1984	29.64	30.04	29.67	29.36	29.98	29.44
1985	28.42	27.86	27.22	27.33	27.18	27.40
1986	14.72	15.71	15.32	15.27	17.23	15.78
1987	19.38	18.52	17.97	17.54	17.55	17.85
1988	16.13	15.75	15.22	14.71	16.38	14.67
1989	19.75	18.97	18.39	17.83	17.87	17.92
1990	25.11	23.35	23.04	22.40	22.54	22.76
1991	21.36	20.59	20.15	19.40	21.13	19.90
1992	20.75	19.72	19.01	18.38	19.31	19.10
1993	18.56	17.27	16.72	16.17	17.39	16.80
1994	17.22	15.84	15.61	14.72	15.46	15.46
January	18.32	16.88	16.72	15.81	16.14	16.75
February	18.55	17.47	17.23	16.29	17.08	17.27
March	18.48	17.08	16.96	16.03	17.16	16.67
April	20.18	18.55	18.38	17.41	17.19	18.37
May	19.90	18.41	18.29	17.39	18.52	17.72
June	18.64	17.20	17.11	16.40	18.43	16.62
July	17.45	15.97	15.94	15.13	17.34	15.73
August	18.00	16.61	16.58	15.50	15.85	16.90
September	18.13	16.84	16.81	15.87	16.60	16.73
October	17.72	16.01	16.03	15.27	16.85	16.04
November	18.31	16.81	16.71	15.74	16.10	16.85
December	19.53	18.03	17.99	17.00	16.53	18.10
1995 Average	**18.60**	**17.16**	**17.06**	**16.15**	**16.98**	**16.98**
January	19.58	18.18	18.09	17.24	18.03	18.09
February	19.61	17.96	17.95	17.00	18.25	19.15
March	21.40	19.98	19.97	19.08	18.09	20.73
April	23.04	21.59	21.65	20.78	20.02	21.73
May	21.07	19.47	19.57	18.98	21.04	21.90
June	20.06	18.74	18.98	18.07	19.76	19.05
July	21.06	19.61	19.88	18.80	19.25	19.91
August	22.10	20.57	20.82	19.74	19.34	21.07
September	24.08	22.60	22.66	21.64	21.93	22.87
October	25.47	23.92	23.94	23.11	21.60	24.16
November	24.47	22.67	22.81	22.24	24.21	23.33
December	25.94	24.00	24.10	23.38	25.15	24.87
1996 Average	**22.32**	**20.77**	**20.87**	**20.01**	**20.56**	**21.41**

[R]Revised

See footnotes in Appendix A.

TABLE 15

UNITED STATES AVERAGE CRUDE OIL PRICES[2]
(Dollars/Barrel)

DATE	REFINERY ACQUISITIONS DOMESTIC COSTS	REFINERY ACQUISITIONS IMPORTS COSTS	DOMESTIC WELLHEAD	IMPORTS LANDED	IMPORTS FOB	IMPORTS OPEC FOB
1975	8.39	13.93	7.67	12.70	11.18	11.34
1976	8.84	13.48	8.19	13.32	12.15	12.23
1977	9.55	14.53	8.57	14.36	13.24	13.29
1978	10.61	14.57	9.00	14.35	13.29	13.31
1979	14.27	21.67	12.64	21.45	20.07	19.88
1980	24.23	33.89	21.59	33.67	32.37	32.21
1981	34.33	37.05	31.77	36.47	35.15	35.17
1982	31.32	33.55	28.52	33.18	32.02	33.48
1983	28.87	29.30	26.19	28.93	27.81	28.46
1984	28.53	28.88	25.88	28.54	27.60	27.79
1985	26.66	26.99	24.09	26.67	25.84	25.67
1986	14.82	14.00	12.51	13.49	12.52	12.21
1987	17.76	18.13	15.40	17.65	16.69	16.43
1988	14.74	14.56	12.58	14.08	13.25	13.43
1989	17.87	18.06	15.86	17.68	16.89	17.06
1990	22.59	21.76	20.03	21.13	20.37	20.40
1991	19.33	18.70	16.54	18.02	16.89	16.99
1992	18.62	18.12	16.00	17.65	16.66	16.76
1993	16.66	16.17	14.24	15.75	14.72	14.72
1994	15.64	15.41	13.19	15.07	14.13	14.79
January	16.52	16.56	14.00	16.73	15.63	15.09
February	17.16	17.21	14.69	17.04	15.88	15.47
March	17.31	17.22	14.68	18.26	17.28	17.18
April	18.20	18.73	15.84	18.18	17.30	16.93
May	18.68	18.51	15.85	17.07	15.91	15.47
June	17.94	17.44	15.02	15.94	14.82	14.43
July	16.85	16.50	14.01	16.10	15.05	14.88
August	16.96	16.54	14.13	16.38	15.24	14.77
September	17.12	16.71	14.49	15.87	14.68	14.20
October	16.82	16.30	13.68	16.30	15.31	14.26
November	16.73	16.50	14.03	17.03	16.05	15.10
December	17.55	17.58	15.02	15.48	14.30	13.59
1995 Average	**17.32**	**17.15**	**14.62**	**16.70**	**15.62**	**15.11**
January	17.97	17.51	15.42	17.27	16.13	16.04
February	18.10	17.78	15.55	17.81	16.85	17.02
March	19.63	19.80	17.63	19.62	18.77	18.85
April	21.88	21.26	19.58	20.73	19.56	18.94
May	21.15	20.14	17.96	19.61	18.34	17.87
June	19.29	19.03	16.94	18.83	17.61	17.32
July	19.89	19.61	17.63	19.35	18.22	17.94
August	20.55	20.28	18.29	20.29	19.31	19.19
September	21.88	22.34	19.92	22.01	21.14	20.86
October	22.92	23.29	21.09	23.05	22.23	22.00
November	23.05	22.65	20.21	22.24	21.33	21.29
December	23.38	23.22	21.32	22.51	21.63	21.34
1996 Average	**20.81**	**20.58**	**18.46**	**20.28**	**19.26**	**19.06**

[R]Revised

See footnotes in Appendix A.

TABLE 16

LOUISIANA NATURAL GAS WELLHEAD PRICES
(Dollars/Thousand Cubic Feet)

DATE	MMS OCS[3]	DOE STATE WELLS[3]	DNR STATE ROYALTY	SPOT MARKET[5] LOW	SPOT MARKET[5] HIGH	SPOT MARKET[5] AVERAGE
1975	0.35	0.42	0.39	N/A	N/A	N/A
1976	0.46	0.46	0.46	N/A	N/A	N/A
1977	0.74	0.70	0.60	N/A	N/A	N/A
1978	0.93	0.84	0.79	N/A	N/A	N/A
1979	1.26	1.12	1.00	N/A	N/A	N/A
1980	1.64	1.61	1.27	N/A	N/A	N/A
1981	2.11	2.07	1.67	N/A	N/A	N/A
1982	2.65	2.60	2.22	N/A	N/A	N/A
1983	2.72	2.67	2.48	N/A	N/A	N/A
1984	2.70	2.73	2.54	N/A	N/A	N/A
1985	2.72	2.66	2.37	2.13	3.07	2.61
1986	2.26	2.21	1.87	1.46	2.34	1.76
1987	1.82	1.78	1.65	1.40	1.82	1.55
1988	1.84	1.81	1.86	1.40	2.29	1.79
1989	1.86	1.82	1.77	1.40	2.29	1.76
1990	1.87	1.83	1.80	1.35	2.60	1.77
1991	1.77	1.73	1.57	1.09	2.03	1.50
1992	1.77	1.73	1.77	0.99	2.81	1.80
1993	2.18	2.14	2.10[R]	1.61	2.76	2.15
1994	2.10	2.08	1.98[R]	1.40	2.44	1.91
January			1.76[R]	1.61	1.66	1.66
February			1.61	1.40	1.46	1.44
March			1.66	1.40	1.51	1.49
April			1.77	1.56	1.61	1.57
May			1.74	1.66	1.72	1.69
June			1.79[R]	1.72	1.77	1.73
July			1.32	1.51	1.56	1.54
August			1.75[R]	1.35	1.40	1.37
September			1.67[R]	1.56	1.61	1.57
October			1.74	1.66	1.66	1.66
November			2.57	1.77	1.82	1.81
December			1.89[R]	2.24	2.34	2.30
1995 Average	**1.63**	**1.58**	**1.77[R]**	**1.35**	**2.34**	**1.65**
January			3.79	2.50	3.48	3.28
February			2.74	2.34	2.44	2.40
March			2.94	2.70	3.02	2.90
April			2.75	2.55	2.81	2.69
May			2.19	2.13	2.24	2.21
June			2.46	2.39	2.50	2.41
July			2.67	2.65	2.76	2.69
August			2.42	2.24	2.39	2.33
September			1.87	1.77	1.87	1.81
October			1.57	1.82	1.92	1.86
November			2.85	2.70	2.81	2.76
December			3.97	3.80	4.00	3.91
1996 Average	**2.60**	**2.45**	**2.68**	**2.47**	**2.69**	**2.60**

[R]Revised

See footnotes in Appendix A.

FIGURE 9

CRUDE OIL AVERAGE PRODUCTION

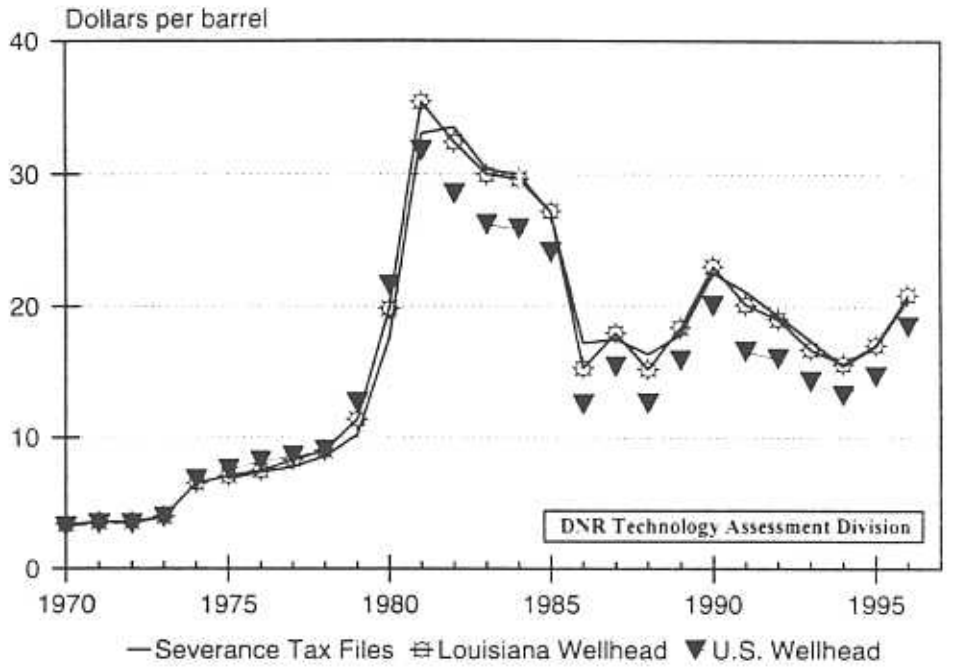


FIGURE10

NATURAL GAS AVERAGE PRICES

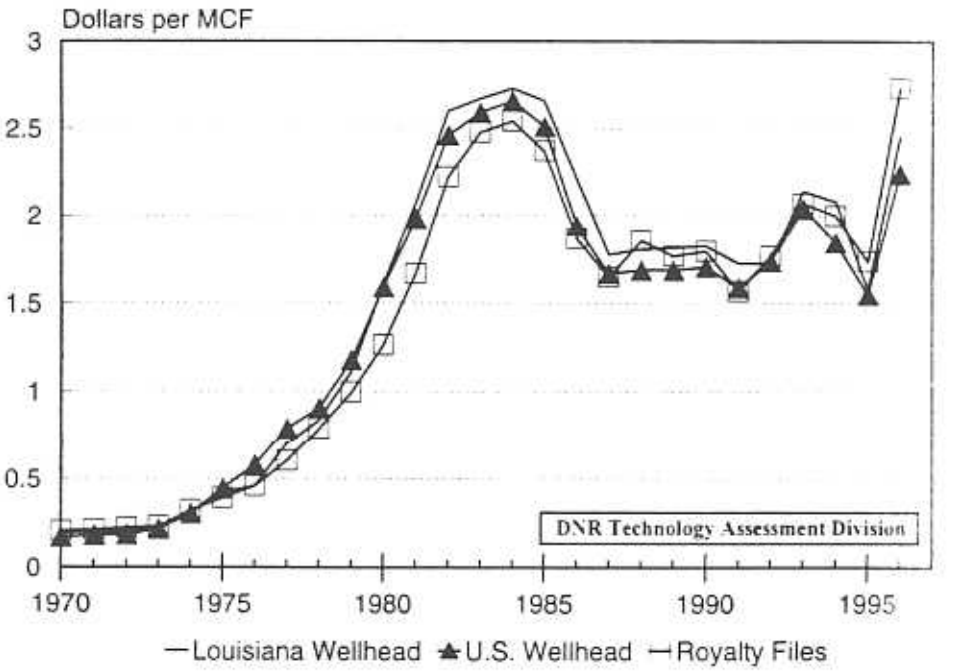


TABLE 17

LOUISIANA AVERAGE NATURAL GAS PRICES DELIVERED TO CONSUMERS[3]
(Dollars/Thousand Cubic Feet)

DATE	GATES	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	UTILITY
1975	0.78[E]	1.37	0.80	0.76	0.54
1976	0.96[E]	1.57	1.10	0.94	0.83
1977	1.24[E]	1.97	1.40	1.18	0.96
1978	1.21[E]	2.47	1.44	0.96	1.18
1979	1.37[E]	2.71	2.28	0.92	1.54
1980	1.85[E]	3.40	2.69	1.28	2.09
1981	2.38[E]	4.15	3.69	1.88	2.82
1982	3.38[E]	5.32	4.93	3.16	3.23
1983	3.59[E]	6.12	5.71	3.13	3.30
1984	3.78	5.96	5.54	3.18	3.18
1985	3.55	5.67	5.28	3.03	2.86
1986	2.95	5.77	5.25	1.91	1.94
1987	2.38	5.56	4.97	1.80	1.67
1988	3.09	5.74	5.14	1.99	1.70
1989	2.98	5.97	5.27	1.97	1.78
1990	2.97	6.09	5.25	2.00	1.73
1991	2.56	5.77	4.90	1.74	1.59
1992	2.48	5.60	4.79	1.93	1.91
1993	2.72	6.09	5.33	2.30	2.49
1994	2.54	6.24	5.42	2.17	2.17
January	2.23	5.26	5.05	1.85	1.88
February	2.07	5.03[R]	4.82[R]	1.75[R]	1.76
March	2.14	5.36[R]	4.98[R]	1.66[R]	1.69
April	2.12	5.95[R]	4.94[R]	1.71[R]	1.78
May	2.10	6.99[R]	5.32[R]	1.82[R]	1.91
June	2.04	7.05[R]	4.58[R]	1.88[R]	1.95
July	2.00	7.88[R]	5.16[R]	1.85[R]	1.78
August	1.90	7.61[R]	4.82[R]	1.65[R]	1.67
September	2.05	7.70[R]	5.21[R]	1.69[R]	1.85
October	2.23	7.68[R]	5.45[R]	1.82[R]	1.93
November	2.44	6.33[R]	5.50[R]	1.90[R]	2.08
December	2.78	6.14[R]	5.85[R]	2.27[R]	2.72
1995 Average	**2.21**	**6.01[R]**	**5.14[R]**	**1.82[R]**	**1.88**
January	3.58	6.11	6.07	2.77	3.72
February	3.24	5.44	5.10	2.75	4.04
March	3.29	5.64	5.45	3.01	3.25
April	3.06	7.00	6.39	2.82	2.99
May	2.65	8.18	6.53	2.54	2.63
June	2.71	8.52	6.09	2.69	2.72
July	3.01	9.29	6.62	2.76	2.96
August	2.69	8.70	6.10	2.35	2.64
September	2.26	8.33	5.88	2.20	2.16
October	2.20	8.30	6.14	2.20	2.25
November	3.24	7.74	6.57	2.92	3.12
December	4.30	7.29	7.44	4.03	4.37
1996 Average	**3.13**	**6.75**	**6.49**	**2.75**	**2.94**

[E]Estimated

[R]Revised

See footnotes in Appendix A.

FIGURE 11
LOUISIANA STATE DRILLING PERMITS ISSUED

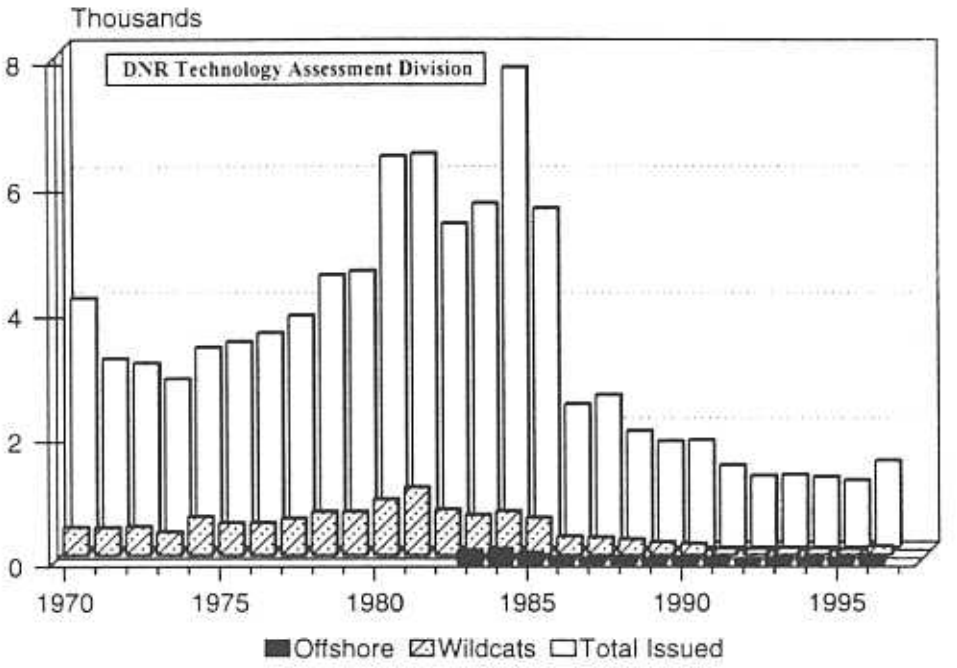


FIGURE 12
LOUISIANA AVERAGE ACTIVE RIGS

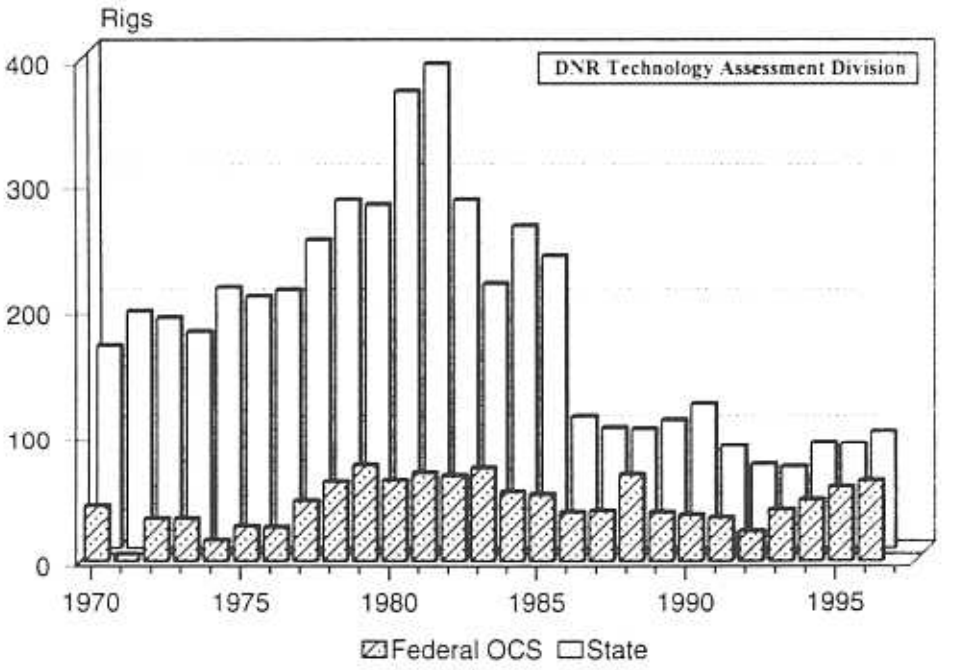


TABLE 18

UNITED STATES AVERAGE NATURAL GAS PRICES
(Dollars/Thousand Cubic Feet)

DATE	WELLHEAD[3]	SPOT MARKET[5]	FOREIGN IMPORTS	CITY GATES	DELIVERED TO RESIDENTIAL[3]
1975	0.44	N/A	1.31	0.80	1.71
1976	0.58	N/A	1.73	0.98	1.98
1977	0.79	N/A	1.99	1.31	2.35
1978	0.91	N/A	2.21	1.47	2.56
1979	1.18	N/A	2.60	1.81	2.98
1980	1.59	N/A	4.42	2.41	3.68
1981	1.98	N/A	4.84	2.89	4.29
1982	2.46	N/A	4.94	3.60	5.17
1983	2.59	N/A	4.51	4.04	6.06
1984	2.66	N/A	4.08	3.89	6.12
1985	2.51	2.49	3.10	3.75	6.12
1986	1.94	1.68	2.53	3.22	5.83
1987	1.67	1.48	2.17	2.87	5.54
1988	1.69	1.69	2.00	2.92	5.47
1989	1.69	1.64	2.04	3.01	5.64
1990	1.71	1.67	2.03	3.09	5.80
1991	1.64	1.45	2.02	2.90	5.82
1992	1.74	1.75	1.97	3.01	5.89
1993	2.04	2.10	2.01	3.21	6.16
1994	1.85[R]	1.84	1.87	3.07	6.41[R]
January	1.62[R]	1.60	1.60[R]	2.79	5.85[R]
February	1.48[R]	1.37	1.46[R]	2.71	5.76[R]
March	1.47[R]	1.39	1.40[R]	2.74	5.84[R]
April	1.52[R]	1.47	1.37[R]	2.72[R]	6.06[R]
May	1.55[R]	1.59	1.46[R]	2.80	6.54[R]
June	1.58[R]	1.63	1.47[R]	2.89[R]	7.49[R]
July	1.43[R]	1.44	1.40[R]	2.89[R]	7.82[R]
August	1.43[R]	1.31	1.34[R]	2.87[R]	8.13[R]
September	1.52[R]	1.51	1.43[R]	2.89[R]	7.73[R]
October	1.54[R]	1.59	1.48[R]	2.83[R]	6.62[R]
November	1.61[R]	1.73	1.61[R]	2.67	5.61[R]
December	1.84[R]	2.11	1.80[R]	2.83[R]	5.54[R]
1995 Average	**1.55[R]**	**1.56**	**1.49[R]**	**2.80[R]**	**6.58[R]**
January	2.08	2.57	2.05	3.13	5.60
February	1.90	2.02	1.97	3.16	5.78
March	2.03	2.31	1.91	3.17	5.89
April	2.13	2.32	1.81	3.22	6.22
May	2.04	2.02	1.73	3.18	6.80
June	2.13	2.16	1.71	3.39	7.75
July	2.33	2.37	1.79	3.48	8.55
August	2.19	2.13	1.78	3.47	8.62
September	1.87	1.68	1.69	3.03	7.94
October	1.93	1.73	2.00	2.93	7.02
November	2.70	2.61	2.29	3.46	6.33
December	3.53	3.70	2.71	4.20	6.40
1996 Average	**2.24**	**2.30**	**1.95**	**3.32**	**6.91**

[R]Revised

See footnotes in Appendix A.

TABLE 19

LOUISIANA STATE OIL AND GAS DRILLING PERMITS ISSUED BY TYPE
Excluding OCS

DATE	DEVELOPMENTAL	+	WILDCATS	=	TOTAL	=	OFFSHORE	+	ONSHORE
1975	2,773		513		3,286		N/A		N/A
1976	2,913		515		3,428		N/A		N/A
1977	3,119		588		3,707		N/A		N/A
1978	3,657		695		4,352		N/A		N/A
1979	3,725		694		4,419		N/A		N/A
1980	5,344		893		6,237		N/A		N/A
1981	5,195		1,086		6,281		N/A		N/A
1982	4,454		727		5,181		N/A		N/A
1983	4,852		642		5,494		201		5,293
1984	6,929		702		7,631		231		7,400
1985	4,811		599		5,410		165		5,245
1986	1,984		298		2,282		84		2,198
1987	2,148		284		2,432		73		2,359
1988	1,601		249		1,850		94		1,756
1989	1,486		204		1,690		75		1,615
1990	1,526		181		1,707		85		1,622
1991	1,209		100		1,309		77		1,232
1992	1,044		92		1,136		59		1,077
1993	1,040		109		1,149		76		1,073
1994	1,015		98		1,113		74		1,039
January	52		3		55		3		52
February	63		5		68		7		61
March	78		4		82		6		76
April	73		5		78		8		70
May	109		8		117		9		108
June	94		9		103		8		95
July	85		10		95		4		91
August	94		16		110		7		103
September	82		3		85		2		83
October	110		9		119		3		116
November	80		8		88		7		81
December	59		6		65		4		61
1995 Total	**979**		**86**		**1,065**		**68**		**997**
January	59		5		64		7		57
February	83		9		92		14		78
March	101		18		119		9		110
April	89		13		102		7		95
May	142		14		156		15		141
June	94		9		103		11		92
July	127		17		144		21		123
August	113		10		123		6		117
September	108		5		113		7		106
October	140		7		147		9		138
November	82		14		96		6		90
December	110		12		122		9		113
1996 Total	**1,248**		**133**		**1,381**		**121**		**1,260**

TABLE 20

LOUISIANA AVERAGE RIGS RUNNING

	SOUTH-INLAND			OFFSHORE			
YEAR	NORTH[4]	WATER[4]	LAND[4]	STATE	OCS	STATE + OCS	TOTAL RIGS[4]
1975	31	55	64	50	27	77	227
1976	34	49	65	57	26	83	231
1977	45	56	81	62	47	109	292
1978	40	63	114	60	62	122	338
1979	35	62	112	64	75	139	347
1980	55	77	156	76	63	139	427
1981	58	83	160	85	69	154	455
1982	40	60	108	69	67	136	344
1983	29	47	82	51	73	124	283
1984	30	51	96	78	54	132	310
1985	25	44	86	78	52	130	283
1986	12	20	42	31	38	69	143
1987	11	23	36	26	39	65	135
1988	14	27	35	20	68	88	163
1989	16	17	35	34	38	72	140
1990	19	20	36	40	36	76	151
1991	11	16	31	23	34	57	115
1992	9	13	27	16	23	39	88
1993	11	12	22	19	40	59	104
1994	14	16	25	29	48	78	132
January	13	13	26	43	38	81[R]	132[R]
February	14	13	26	41	40	81	134
March	12	12	26	38	35	73	123
April	12	14	26	24	51	75	127
May	14	15	23	17	65	82	134
June	16	14	27	28	53	80	137
July	13	14	30	24	62	86	143
August	12	14	33	20	67	87	146
September	17	18	31	19	66	85	151
October	21	17	31	8	77	85	154
November	25	20	30	5	74	79	154
December	24	17	32	10	74	85	158
1995 Average	**16**	**15**	**28**	**23**	**58**	**82**	**141**
January	22	12	31	16	72	88	153
February	17	15	29	22	61	83	143
March	15	12	30	14	65	79	136
April	17	14	29	25	73	98	158
May	16	18	29	23	76	99	163
June	17	20	28	29	62	92	157
July	18	21	32	25	60	85	156
August	18	21	36	25	59	84	159
September	16	21	33	28	60	88	158
October	24	21	31	36	48	84	160
November	22	26	32	31	53	84	163
December	24	22	33	22	67	89	169
1996 Average	**19**	**19**	**31**	**25**	**63**	**88**	**156**

[R]Revised

See footnotes in Appendix A.

TABLE 21

LOUISIANA STATE PRODUCING CRUDE OIL WELLS
Excluding OCS

DATE	NORTH	SOUTH	OFFSHORE	TOTAL
1975	12,259	8,094	936	21,288[R]
1975	12,259	8,094	936	21,288
1976	12,393	7,730	1,073	21,196
1977	12,915	7,444	1,067	21,425
1978	13,019	7,219	1,086	21,324
1979	12,961	6,859	1,078	20,898
1980	13,981	6,832	1,073	21,885
1981	15,084	6,777	1,105	22,966
1982	15,540	6,608	1,112	23,259
1983	16,299	6,374	1,037	23,710
1984	17,544	6,300	1,038	24,882
1985	18,794	6,223	1,014	26,031
1986	19,346	6,061	1,001	26,408
1987	18,630	5,768	945	25,343
1988	17,953	5,698	964	24,615
1989	16,849	5,474	927	23,250
1990	17,369	5,215	906	23,490
1991	17,731	5,143	868	23,742
1992	17,449	5,155	842	23,446
1993	16,810	5,015	814	22,640
1994	15,904	4,682	805	21,392
January	15,476	4,567	783	20,826
February	15,227	4,555	779	20,561
March	15,096	4,534	774	20,404
April	15,044	4,443	763	20,250
May	15,121	4,459	769	20,349
June	15,087	4,422	759	20,268
July	15,212	4,408	785	20,405
August	15,347	4,471	773	20,591
September	15,245	4,397	780	20,422
October	15,463	4,407	747	20,617
November	15,461	4,378	766	20,605
December	15,335[R]	4,372[R]	748[R]	20,455[R]
1995 Average	**15,260[R]**	**4,451[R]**	**769[R]**	**20,479[R]**
January	14,956	4,359	704	20,019
February	15,029	4,318	738	20,085
March	15,303	4,384	739	20,426
April	15,414	4,340	738	20,492
May	15,533	4,312	762	20,607
June	15,293	4,293	712	20,298
July	15,082	4,282	711	20,075
August	15,221	4,307	713	20,241
September	15,119[E]	4,233[E]	720[E]	20,072[E]
October	15,337[E]	4,243[E]	687[E]	20,267[E]
November	15,335[E]	4,214[E]	706[E]	20,255[E]
December	15,209[E]	4,208[E]	688[E]	20,105[E]
1996 Average	**15,236[E]**	**4,291[E]**	**718[E]**	**20,245[E]**

[R]Revised

[E]Estimated

TABLE 22

LOUISIANA STATE PRODUCING NATURAL GAS WELLS
Excluding OCS

DATE	NORTH	SOUTH	OFFSHORE	TOTAL
1975	5,373	3,331	308	9,012
1976	5,851	3,289	362	9,502
1977	6,343	3,331	449	10,123
1978	6,915	3,253	472	10,640
1979	7,372	3,214	514	11,100
1980	8,360	3,277	551	12,188
1981	9,479	3,226	557	13,262
1982	10,154	3,136	564	13,855
1983	10,502	3,065	549	14,115
1984	10,812	2,955	532	14,299
1985	11,026	2,887	511	14,424
1986	11,049	2,730	436	14,216
1987	10,726	2,635	413	13,774
1988	10,813	2,539	445	13,796
1989	10,861	2,474	501	13,836
1990	10,802	2,407	512	13,721
1991	10,702	2,261	496	13,459
1992	10,498	2,149	496	13,143
1993	10,506	2,192	490	13,189
1994	10,596	2,260	473	13,329
January	10,343	2,121	491	12,955
February	10,589	2,236	320	13,145
March	10,508	2,255	318	13,081
April	10,418	2,229	321	12,968
May	10,546	2,241	335	13,122
June	10,505	2,199	325	13,029
July	10,480	2,264	327	13,071
August	10,371	2,175	308	12,854
September	10,330	2,156	305	12,791
October	10,315	2,193	329	12,837
November	10,246	2,178	318	12,742
December	10,776[R]	2,150[R]	318[R]	13,244[R]
1995 Average	**10,452[R]**	**2,200[R]**	**335[R]**	**12,987[R]**
January	10,601	2,023	249	12,873
February	10,440	2,130	320	12,890
March	10,205	2,152	306	12,663
April	10,079	2,186	300	12,565
May	10,231	2,180	272	12,683
June	10,392	2,154	264	12,810
July	10,430	2,154	265	12,849
August	10,771	2,163	267	13,201
September	10,730[E]	2,144[E]	264[E]	13,138[E]
October	10,715[E]	2,181[E]	288[E]	13,184[E]
November	10,646[E]	2,166[E]	277[E]	13,089[E]
December	11,176[E]	2,138[E]	277[E]	13,591[E]
1996 Average	**10,535[E]**	**2,148[E]**	**279[E]**	**12,961[E]**

[R]Revised

[E]Estimated

FIGURE 13

LOUISIANA WELL COMPLETIONS BY TYPE

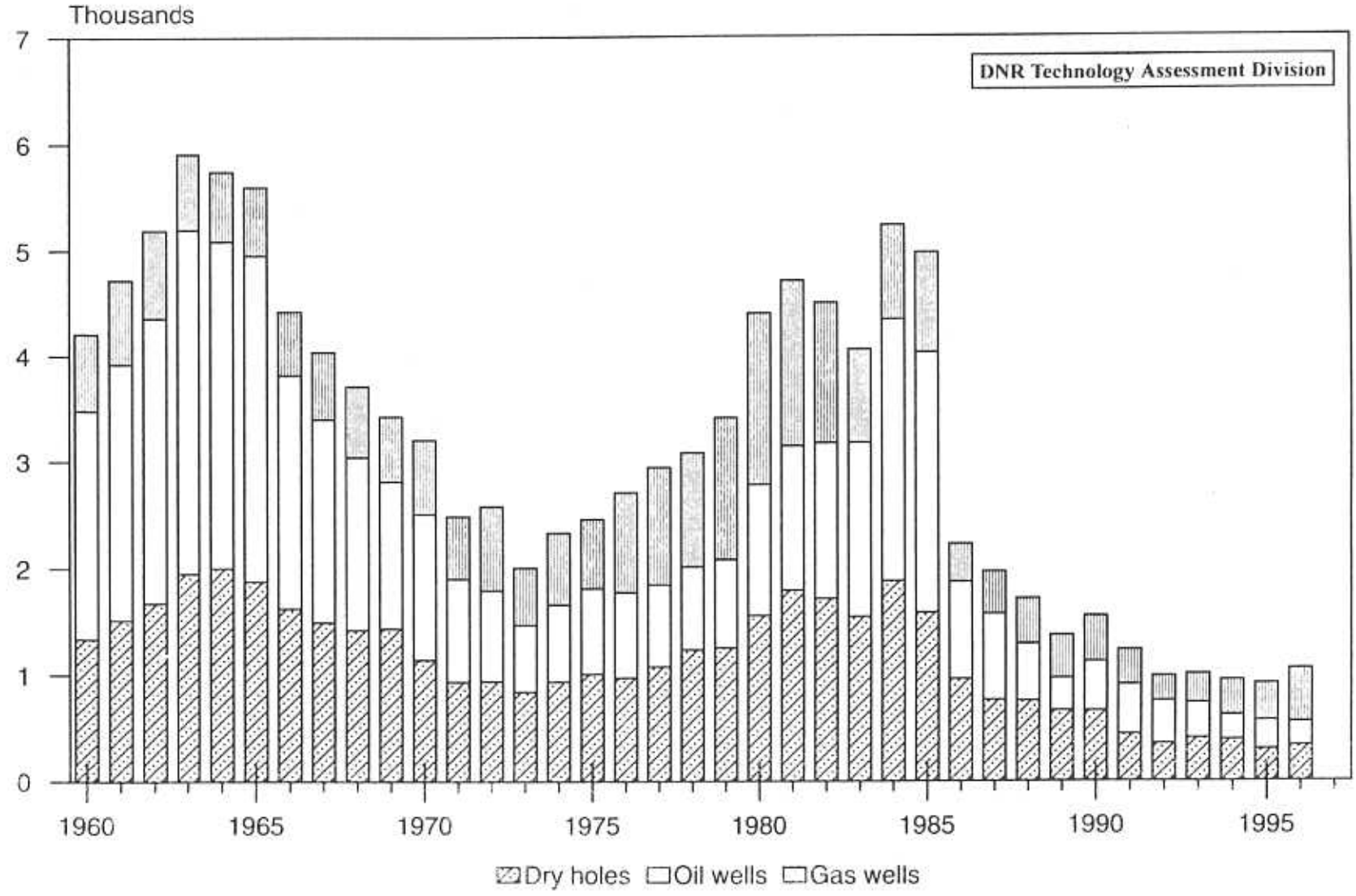


TABLE 23

LOUISIANA STATE WELL COMPLETION BY TYPE AND BY REGION
Excluding OCS

	YEAR	OFFSHORE	SOUTH	NORTH	TOTAL
CRUDE OIL	1979	28	244	552	824
	1980	20	272	926	1,218
	1981	18	296	977	1,291
	1982	13	305	1,137	1,455
	1983	22	315	1,290	1,627
	1984	89	440	1,926	2,455
	1985	27	448	1,965	2,440
	1986	24	241	640	905
	1987	21	348	434	803
	1988	11	211	312	534
	1989	7	126	170	303
	1990	9	164	288	461
	1991	22	178	266	466
	1992	19	163	222	404
	1993	24	136	173	333
	1994	13	103	117	233
	1995	31	100	137[R]	268[R]
	1996	34	67	122	223
NATURAL GAS	1979	30	312	989	1,331
	1980	40	282	1,301	1,623
	1981	31	314	1,167	1,512
	1982	50	331	944	1,325
	1983	25	224	635	884
	1984	28	240	628	896
	1985	28	240	678	946
	1986	9	145	198	352
	1987	5	124	264	393
	1988	11	149	258	418
	1989	17	132	254	403
	1990	11	157	258	426
	1991	9	126	192	327
	1992	8	111	113	232
	1993	6	89	176	271
	1994	9	141	180	330
	1995	8	126	216[R]	350[R]
	1996	22	154	325	501
DRY HOLE	1979	36	643	575	1,254
	1980	51	682	822	1,555
	1981	52	842	869	1,763
	1982	38	696	978	1,712
	1983	52	575	915	1,542
	1984	41	734	1,106	1,881
	1985	37	571	974	1,582
	1986	17	442	503	962
	1987	14	302	435	766
	1988	17	325	418	760
	1989	13	281	373	667
	1990	15	283	366	664
	1991	11	205	228	444
	1992	5	158	190	353
	1993	4	168[R]	234	406[R]
	1994	12	141	236	389
	1995	8	138	155[R]	301[R]
	1996	12	151	170	333

[R]Revised

TABLE 24

LOUISIANA STATE MINERAL ROYALTY REVENUE
Excluding OCS
(Million Dollars)

DATE	OIL	GAS	PLANT LIQUIDS	OTHER	TOTAL
1975	105.27	49.08	6.20	2.30	162.84
1976	98.17	60.76	7.37	2.74	169.04
1977	90.98	74.69	9.36	2.86	177.89
1978	92.61	92.14	8.76	2.39	195.90
1979	98.30	113.65	11.50	3.36	226.82
1980	158.27	131.95	17.05	3.34	310.61
1981	291.90	160.24	18.20	3.28	473.62
1982	248.44	204.25	14.35	1.82	468.86
1983	224.62	211.84	13.00	1.83	451.29
1984	226.64	210.99	13.06	2.29	452.98
1985	201.14	174.45	9.55	2.62	387.76
1986	122.22	154.83	6.34	1.96	285.34
1987	125.72	120.54	4.90	1.60	252.76
1988	98.55	124.06	4.39	1.35	228.35
1989	112.30	116.18	3.92	1.42	233.82
1990	135.44	113.14	3.80	0.90	253.28
1991	120.49	91.43	4.08	0.34	216.34
1992	113.29	97.07	4.69	0.00	215.04
1993	98.98	123.30	4.52	0.00	226.81
1994	85.43	102.18[R]	4.05[R]	0.00	191.67[R]
January	7.69	7.13	0.26	0.00	15.08
February	6.99	5.96	0.26[R]	0.00	13.21[R]
March	7.65	7.62[R]	0.38	0.00	15.65[R]
April	8.19	7.51[R]	0.43[R]	0.00	16.13[R]
May	8.20	7.13[R]	0.36	0.00	15.69[R]
June	7.65	7.06[R]	0.40[R]	0.00	15.11[R]
July	7.64	6.86[R]	0.40[R]	0.00	14.90[R]
August	7.70	6.40	0.44[R]	0.00	14.54[R]
September	7.89	7.28[R]	0.41	0.00	15.59[R]
October	7.35	7.46[R]	0.41	0.00	15.22[R]
November	7.90	14.66[R]	0.41[R]	0.00	22.97[R]
December	7.49	10.47[R]	0.35[R]	0.00	18.32[R]
1995 Total	**92.35**	**95.53[R]**	**4.52[R]**	**0.00**	**192.40[R]**
January	8.39	17.11	0.37	0.00	25.87
February	8.46	11.41	0.33	0.00	20.19
March	9.49	14.18	0.49	0.00	24.17
April	10.03	13.14	0.60	0.00	23.77
May	10.64	10.91	0.46	0.00	22.01
June	8.79	11.69	0.56	0.00	21.04
July	9.57	13.30	0.47	0.00	23.34
August	10.65	11.74	0.41	0.00	22.80
September	10.89	8.69	0.64	0.00	20.22
October	11.96	9.21	0.74	0.00	21.92
November	10.91	13.08	0.79	0.00	24.77
December	11.91	20.43	0.58	0.00	32.92
1996 Total	**121.68**	**154.90**	**6.44**	**0.00**	**283.02**

Note: Settlements of past due royalty are included in the year that payments are received.

Other minerals include: sulfur, salt, lignite, etc.

[R]Revised

TABLE 25

LOUISIANA STATE ROYALTY OIL, GAS AND PLANT PRODUCTS CALCULATED VOLUMES
Excluding OCS

DATE	OIL (Barrels)	GAS (MCF)	PLANT LIQUIDS (Barrels)
1975	17,919,284	156,334,125	22,743,609
1975	17,919,284	156,334,125	22,743,609
1976	16,605,787	158,762,651	16,037,639
1977	14,009,689	140,654,808	1,276,959
1978	12,727,995	136,457,323	1,120,660
1979	11,184,340	123,983,451	1,096,427
1980	10,156,242	111,210,699	1,017,183
1981	9,460,901	100,944,844	966,222
1982	8,756,198	95,448,648	808,946
1983	8,956,936	88,029,268	694,641
1984	8,786,732	86,315,477	944,965
1985	8,404,223	76,612,605	845,349
1986	8,859,310	81,463,285	1,751,664
1987	8,040,773	78,166,315	511,790
1988	7,544,770	69,991,244	456,976
1989	7,184,774	69,936,929	461,237
1990	6,781,765	66,417,089	348,776
1991	6,923,565	61,809,109	933,307
1992	6,837,552	57,911,258	1,689,942
1993	6,723,628	61,177,002	652,617
1994	6,296,331	54,624,342[R]	548,723[R]
January	523,530	4,323,334	38,587[R]
February	461,367	3,977,737[R]	37,407[R]
March	521,882	4,898,588[R]	56,664[R]
April	507,334	4,532,675[R]	65,092[R]
May	526,024	4,374,249[R]	54,989[R]
June	522,319	4,301,648[R]	50,009[R]
July	549,906	5,507,465[R]	176,024[R]
August	515,829	4,756,070[R]	115,857[R]
September	533,285	4,624,935[R]	149,093[R]
October	518,231	4,531,206[R]	107,744[R]
November	530,674	4,478,101[R]	51,626[R]
December	469,272	5,651,513[R]	28,997[R]
1995 Total	**6,179,655**	**55,957,520[R]**	**932,089[R]**
January	517,072	4,637,978	28,460
February	492,726	4,311,435	28,829
March	528,370	5,005,015	38,293
April	17,705	5,005,317	49,421
May	537,785	5,098,907	39,184
June	515,730	4,936,049	50,565
July	537,749	4,997,396	34,760
August	570,965	5,065,152	33,182
September	532,882	4,815,802	46,202
October	553,014	4,833,368	48,319
November	524,470	4,768,091	41,690
December	538,268	5,247,631	28,351
1996 Total	**6,366,737**	**58,722,143**	**467,256**

[R]Revised

TABLE 26

LOUISIANA STATE MINERAL BONUSES, RENTALS AND ROYALTY OVERRIDE REVENUES
Excluding OCS
(Million Dollars)

DATE	BONUSES	OVERRIDE ROYALTY	RENTALS	TOTAL
1975	27.96	0.00	4.39	32.35
1976	56.02	0.02	6.00	62.04
1977	19.16	0.27	12.25	31.68
1978	97.58	0.48	15.61	113.67
1979	108.67	0.33	22.19	131.18
1980	140.29	0.51	31.55	172.36
1981	150.70	0.81	49.31	200.82
1982	61.23	0.70	53.66	115.60
1983	53.03	0.67	27.73	81.43
1984	67.98	0.80	21.21	89.99
1985	32.08	0.90	20.86	53.84
1986	15.89	0.50	12.25	28.64
1987	26.82	0.39	6.70	33.90
1988	17.65	0.29	9.28	27.22
1989	11.59	0.29	8.34	20.21
1990	19.02	0.32	6.76	26.10
1991	9.82	0.32	8.71	18.85
1992	4.26	0.32	6.97	11.55
1993	13.29	0.20	4.20	17.68
1994	15.31	0.19	6.15	21.65
January	0.00	0.03	1.36	1.40
February	4.83	0.01	0.00	4.85
March	1.93	0.02	0.36	2.31
April	2.48	0.01	0.67	3.16
May	4.45	0.02	0.22	4.69
June	0.08	0.57	0.60	1.25
July	0.82	0.02	1.24	2.08
August	3.12	0.00	0.66	3.78
September	1.37	0.00	0.54	1.91
October	4.65	0.00	2.75	7.40
November	6.01	0.00	0.00	6.01
December	2.23	0.00	1.05	3.29
1995 Total	**31.96**	**0.69**	**9.47**	**42.12**
January	2.37	0.00	0.95	3.32
February	0.69	0.00	1.87	2.56
March	3.10	0.00	1.10	4.20
April	1.99	0.00	1.41	3.40
May	4.87	(0.42)	1.35	5.80
June	0.92	0.02	2.72	3.66
July	3.08	0.02	0.00	3.10
August	(0.04)	0.02	1.13	1.11
September	5.69	0.02	1.23	6.95
October	4.43	0.02	0.89	5.33
November	3.20	0.02	3.53	6.75
December	9.31	0.02	2.24	11.57
1996 Total	**39.63**	**(0.27)**	**18.40**	**57.76**

TABLE 27

FEDERAL REVENUE FROM LOUISIANA OCS OIL AND GAS LEASES
(Dollars)

YEAR	BONUS PAYMENTS[12]	RENTAL PAYMENTS[12]	MINIMUM ROYALTIES[12]	PRODUCTION ROYALTIES[12]	STATE 8G SHARE[15]
1960	246,909,784	2,422,790	299,695	36,807,678	N/A
1961	0	1,984,441	291,790	46,733,742	N/A
1962	488,923,341	7,707,267	497,202	65,253,373	N/A
1963	0	7,059,246	632,376	75,347,238	N/A
1964	60,340,626	7,040,422	823,439	112,999,967	N/A
1965	0	5,909,553	1,021,505	126,121,728	N/A
1966	238,958,065	4,736,294	1,327,830	131,253,307	N/A
1967	510,079,178	5,500,516	1,888,758	149,096,032	N/A
1968	149,868,789	5,275,979	2,140,858	190,907,982	N/A
1969	110,945,535	5,584,162	1,922,340	226,504,238	N/A
1970	945,064,773	6,243,362	1,692,274	262,709,833	N/A
1971	96,304,523	5,687,848	1,564,845	324,815,819	N/A
1972	2,251,347,556	6,396,291	1,725,573	342,476,302	N/A
1973	193,031,709	5,272,797	2,005,785	380,509,177	N/A
1974	3,528,744,084	8,350,760	1,739,159	535,836,029	N/A
1975	325,424,688	8,947,571	1,837,253	593,359,397	N/A
1976	482,592,035	12,974,770	1,879,704	682,922,971	N/A
1977	813,991,004	7,740,185	1,248,616	899,016,863	N/A
1978	1,015,873,944	8,616,027	1,502,963	1,086,517,424	N/A
1979	2,521,190,635	7,328,999	1,105,865	1,344,995,442	N/A
1980	2,676,927,673	7,361,904	1,277,987	1,866,737,837	N/A
1981	3,308,009,881	8,205,515	1,211,959	2,825,271,285	N/A
1982	1,110,172,751	7,288,316	1,349,850	3,166,294,042	N/A
1983	3,796,644,766	13,620,158	2,540,294	2,764,348,600	N/A
1984	1,154,495,009	16,323,567	2,010,462	3,195,995,282	N/A
1985	830,710,260	33,756,447	2,139,530	2,940,519,737	N/A
1986	113,731,609	34,110,029	3,199,547	2,006,205,199	68,699,504
1987	247,344,486	52,115,828	19,239,027	1,803,208,740	588,862,212
1988	388,730,457	35,752,757	8,727,373	1,571,981,500	16,909,646
1989	386,710,637	48,498,402	26,261,190	1,618,163,065	12,749,220
1990	421,375,632	55,568,777	16,028,740	2,068,487,831	14,759,941
1991	276,234,849	59,126,732	15,444,167	1,857,392,914	13,505,179
1992	53,716,797	49,087,621	33,533,897	1,848,599,157	13,734,055
1993	61,454,861	29,268,366	119,445,091	2,009,644,653	14,451,304
1994	274,335,726	30,003,884	141,190,812	1,888,953,102[R]	20,591,546
1995	303,772,054	62,526,069	19,803,444	1,764,875,791	15,037,933

[R]Revised

See footnotes in Appendix A.

See Appendix E.

TABLE 28

LOUISIANA STATE MINERAL SEVERANCE TAX REVENUE[8]
Excluding OCS
(Million Dollars)

DATE	OIL	GAS	OTHER MINERALS	SEVERANCE TOTAL
1975	278.77	234.34	N/A	513.10
1976	273.71	216.76	N/A	490.47
1977	261.91	206.88	N/A	468.79
1978	264.19	195.52	N/A	459.71
1979	276.40	186.87	N/A	463.27
1980	427.68	161.87	N/A	589.55
1981	815.38	164.07	N/A	979.44
1982	766.49	147.53	N/A	914.02
1983	662.00	131.52	2.45	795.98
1984	652.39	130.99	3.62	787.00
1985	598.67	120.96	3.73	723.37
1986	389.87	125.14	3.42	518.42
1987	345.18	111.84	2.99	460.01
1988	296.45	106.29	2.65	405.39
1989	312.99	108.84	2.43	424.26
1990	373.21	124.61	2.75	500.58
1991	367.13	146.83	1.97	515.93
1992	326.07	126.24	1.63	453.94
1993	283.68	107.32	1.76	392.76
1994	229.40	114.58	2.02	346.00
January	19.28	9.74	0.15	29.17
February	18.69	10.22	0.14	29.04
March	18.99	9.51	0.14	28.64
April	20.69	9.31	0.15	30.15
May	19.42	10.50	0.15	30.07
June	23.88	10.16	0.25	34.29
July	19.08	9.18	0.11	28.37
August	18.80	9.20	0.21	28.21
September	18.31	8.32	0.15	26.78
October	18.90	7.72	0.13	26.75
November	17.03	7.35	0.13	24.51
December	20.31	13.37	0.16	33.84
1995 Total	**233.37**	**114.58**	**1.85**	**349.80**
January	20.56	7.59	0.16	28.30
February	18.86	6.68	0.13	25.68
March	17.31	8.00	0.19	25.50
April	23.18	7.66	0.11	30.95
May	24.45	.96	0.18	32.60
June	23.06	8.74	0.14	31.94
July	20.29	8.24	0.15	28.67
August	21.12	7.44	0.17	28.73
September	25.98	9.73	0.19	35.91
October	24.05	8.84	0.19	33.09
November	27.70	9.32	0.09	37.11
December	23.79	8.39	0.18	32.36
1996 Total	**270.36**	**98.60**	**1.88**	**370.84**

Note: Forest and shell severance are not included in the above totals.

Other minerals include sulfur, salt, lignite, etc.

See footnotes in Appendix A.

TABLE 29

LOUISIANA STATE OIL SEVERANCE TAX VOLUMES[8]
CRUDE OIL AND CONDENSATE
Excluding OCS
(Barrels)

DATE	FULL RATE	INCAPABLE WELL RATE	STRIPPER WELL RATE	TAXED VOLUME
1975	331,502,123	2,352,082	6,624,508	340,478,712
1975	331,502,123	2,352,082	6,624,508	340,478,712
1976	300,896,349	2,191,464	8,064,555	311,152,365
1977	272,300,080	2,536,223	7,806,470	282,642,770
1978	247,355,532	2,494,756	7,797,695	257,647,988
1979	216,097,568	2,768,062	7,726,193	226,591,822
1980	192,285,668	2,521,676	7,679,875	202,487,219
1981	193,725,528	2,579,437	9,072,057	205,377,024
1982	180,197,905	2,955,008	9,103,966	192,301,881
1983	172,094,095	2,884,691	9,731,435	184,710,221
1984	171,425,402	3,099,053	9,830,262	184,354,717
1985	173,545,432	3,110,740	10,513,745	187,169,920
1986	180,108,437	3,208,451	10,059,344	193,376,232
1987	155,987,737	3,201,095	8,809,543	168,015,044
1988	142,605,746	3,288,994	8,242,330	154,150,151
1989	139,442,253	3,265,429	7,429,510	150,165,554
1990	131,140,448	3,274,774	7,154,125	141,577,610
1991	136,212,521	3,888,128	8,112,117	148,220,451
1992	133,399,849	3,665,298	7,718,696	144,783,843
1993	128,699,431	3,448,387	7,240,065	139,387,883
1994	118,109,958	3,691,802[R]	6,614,164[E]	128,415,924[E]
January	9,523,511	344,018	563,195[E]	10,430,724[E]
February	8,699,191	346,399	548,290[E]	9,593,880[E]
March	8,816,420	318,434	552,278[E]	9,687,132[E]
April	9,560,173	428,583	584,300[E]	10,573,056[E]
May	8,328,874	322,278	527,115[E]	9,178,267[E]
June	10,331,988	320,293	469,578[E]	11,121,860[E]
July	8,758,172	300,794	583,866[E]	9,642,831[E]
August	9,453,756	354,091	481,179[E]	10,289,026[E]
September	8,797,977	291,301	572,427[E]	9,661,706[E]
October	8,922,877	365,725	532,818[E]	9,821,420[E]
November	8,404,203	454,695	551,484[E]	9,410,381[E]
December	8,776,772	393,106	495,117[E]	9,664,995[E]
1995 Total	**108,373,913**	**4,239,717**	**6,461,647[E]**	**119,075,277[E]**
January	9,095,271	349,810	519,204[E]	9,964,285[E]
February	8,213,632	340,050	636,524[E]	9,190,206[E]
March	7,599,049	309,749	564,203[E]	8,473,001[E]
April	9,022,837	351,392	591,835[E]	9,966,064[E]
May	9,149,324	315,271	559,958[E]	10,024,552[E]
June	9,005,985	291,671	456,875[E]	9,754,531[E]
July	8,381,825	312,949	505,301[E]	9,200,075[E]
August	8,688,891	284,934	489,723	9,463,547
September	9,362,955	327,866	425,583	10,116,403
October	8,774,994	266,414	392,682	9,434,090
November	8,915,795	331,520	590,951	9,838,266
December	7,313,633	304,524	350,559	7,968,715
1996 Total	**103,524,192**	**3,786,147**	**6,083,397[E]**	**113,393,735[E]**

[R]Revised

[E]Estimated

See footnotes in Appendix A.

TABLE 30

LOUISIANA STATE GAS SEVERANCE TAX VOLUMES[8]
NATURAL GAS AND CASINGHEAD GAS
Excluding OCS
(Thousand Cubic Feet (MCF), at 15.025 psia and 60 degrees Fahrenheit)

DATE	FULL RATE	INCAPABLE GAS WELL RATE	OTHER RATES	TOTAL TAXED GAS VOLUME
1975	3,265,635,082	49,638,433	144,857,574	3,460,131,089
1976	3,055,617,983	50,386,997	67,782,556	3,173,787,536
1977	2,950,831,436	52,271,169	N/A	3,003,102,605
1978	2,766,602,076	57,431,282	28,997,865	2,853,031,223
1979	2,648,241,341	61,371,377	27,915,984	2,737,528,702
1980	2,287,994,563	64,299,362	25,614,034	2,378,154,110
1981	2,259,226,741	69,127,132	27,821,281	2,356,175,154
1982	2,040,417,849	67,415,215	23,885,266	2,131,718,329
1983	1,830,549,223	66,037,859	20,750,463	1,917,337,545
1984	1,849,689,870	61,394,328	22,460,870	1,933,548,068
1985	1,710,600,175	56,471,054	22,020,986	1,789,092,195
1986	1,748,310,878	56,729,077	22,829,692	1,827,869,647
1987	1,577,841,418	56,316,278	20,374,445	1,654,532,141
1988	1,487,438,834	54,709,819	22,370,768	1,564,519,421
1989	1,529,057,929	54,419,642	31,800,386	1,615,277,957
1990	1,525,451,737	53,547,797	19,438,902	1,598,438,436
1991	1,492,986,396	52,500,178	35,820,609	1,581,307,183
1992	1,499,489,622	55,146,661	25,466,874	1,580,103,157
1993	1,463,723,027	46,017,071	13,839,450	1,523,579,548
1994	1,410,035,722	52,417,334	13,688,870	1,476,141,926
January	111,174,380	3,971,991	899,651	116,046,022
February	117,156,877	4,370,867	965,219	122,492,963
March	107,138,043	4,340,655	1,042,104	112,520,802
April	106,572,453	4,619,481	785,707	111,977,641
May	119,793,463	3,634,107	691,900	124,119,470
June	115,960,570	4,816,710	468,538	121,245,818
July	105,459,075	3,929,847	(117,372)	109,271,550
August	116,436,351	4,330,206	2,360,745	123,127,302
September	114,136,759	5,716,618	4,272,186	124,125,563
October	108,971,532	5,415,851	738,482	115,125,865
November	103,407,388	3,192,067	743,658	107,343,113
December	108,773,996	5,153,542	908,374	114,835,912
1995 Total	**1,334,980,887**	**53,491,942**	**13,759,192**	**1,402,232,021**
January	121,215,356	4,975,915	994,475	127,185,746
February	94,724,408	4,123,817	753,378	99,601,603
March	112,652,494	4,766,493	920,883	118,339,870
April	108,670,414	4,133,272	939,839	113,743,525
May	113,398,013	3,939,902	765,639	118,103,554
June	119,458,294	4,482,701	1,106,805	125,047,800
July	116,000,382	5,063,565	772,460	121,836,407
August	101,406,928	4,471,656	896,734	106,775,318
September	124,820,245	4,190,593	1,348,718	130,359,556
October	113,498,024	4,263,242	1,142,270	118,903,536
November	120,271,129	2,998,215	827,569	124,096,913
December	107,989,743	4,958,788	722,945	113,671,476
1996 Total	**1,354,105,430**	**52,368,159**	**11,191,715**	**1,417,665,304**

See footnotes in Appendix A.

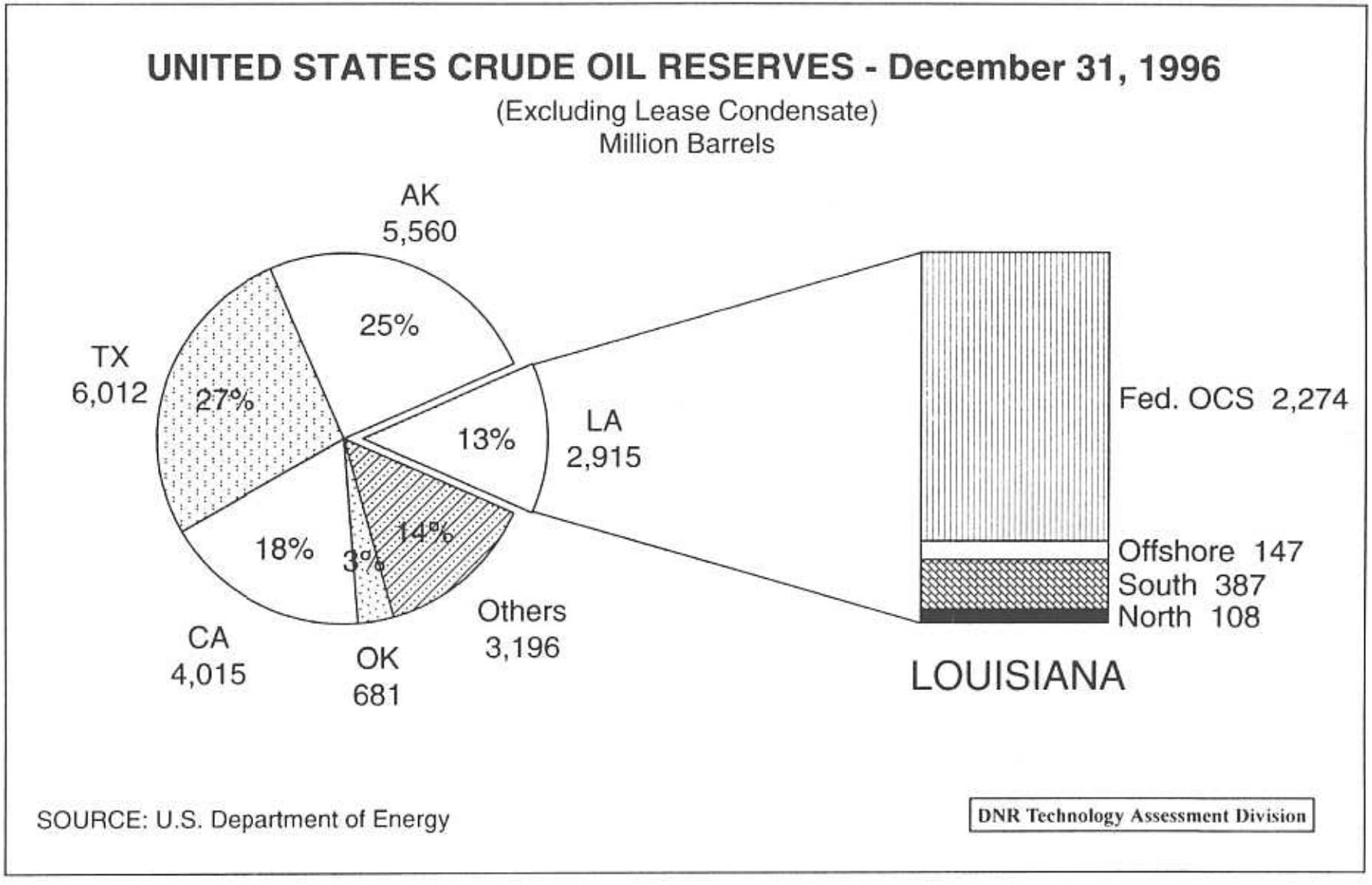

UNITED STATES CRUDE OIL RESERVES - December 31, 1996
(Excluding Lease Condensate)
Million Barrels
AK
5,560
25%
TX
6,012
27%
LA
2,915
13%
18%
CA
4,015
3%
OK
681
14%
Others
3,196
Fed. OCS 2,274
Offshore 147
South 387
North 108
LOUISIANA
SOURCE: U.S. Department of Energy
DNR Technology Assessment Division

TABLE 31

LOUISIANA ESTIMATED CRUDE OIL PROVED RESERVES[9] EXCLUDING LEASE CONDENSATE

As of December 31st of Each Year
(Million Barrels)

YEAR	NORTH	SOUTH ONSHORE	SOUTH OFFSHORE	FEDERAL OCS	TOTAL STATE
1977	244	1,382	1,974	N/A	3,600
1977	244	1,382	1,974	N/A	3,600
1978	255	1,242	1,951	N/A	3,448
1979	216	682	1,882	N/A	2,780
1980	248	682	1,821	N/A	2,751
1981	317	642	2,026	N/A	2,985
1982	240	611	1,677	N/A	2,528
1983	223	569	1,915	N/A	2,707
1984	165	585	1,911	N/A	2,661
1985	196	565	122	1,759	2,642
1986	160	547	119	1,640	2,466
1987	175	505	127	1,514	2,321
1988	154	511	135	1,527	2,327
1989	123	479	143	1,691	2,436
1990	120	435	150	1,772	2,477
1991	127	408	144	1,775	2,454
1992	125	417	126	1,643	2,311
1993	108	382	149	1,880	2,519
1994	108	391	150	1,922	2,571
1995	108	387	142	2,269	2,906
1996	108[E]	387[E]	147[E]	2,274[E]	2,915[E]

NOTE: Federal OCS is included in the south offshore figure from 1977 through 1984.

TABLE 32

LOUISIANA ESTIMATED LEASE CONDENSATE PROVED RESERVES[9]

As of December 31st of Each Year
(Million Barrels)

YEAR	NORTH	SOUTH ONSHORE	SOUTH OFFSHORE	FEDERAL OCS	TOTAL STATE
1979	42	263	309	N/A	614
1980	36	267	296	N/A	599
1981	36	253	280	N/A	569
1982	26	243	310	N/A	579
1983	24	238	300	N/A	562
1984	19	229	269	N/A	517
1985	18	220	257	N/A	495
1986	18	208	11	230	467
1987	17	194	13	223	447
1988	17	193	13	223	446
1989	20	196	12	278	506
1990	20	182	12	258	472
1991	21	175	9	253	458
1992	19	151	8	226	404
1993	19	133	9	235	396
1994	21	123	9	233	386
1995	24[R]	136[R]	11[R]	305[R]	476[R]
1996	21[E]	131[E]	10[E]	258[E]	419[E]

NOTE: Federal OCS is included in the south offshore figure from 1979 through 1985.

[R]Revised

[E]Estimated

See footnotes in Appendix A.

TABLE 33

LOUISIANA ESTIMATED DRY NATURAL GAS PROVED RESERVES[9]
As of December 31st of Each Year
(Billion Cubic Feet (BCF), at 14.73 psia and 60 degrees Fahrenheit)

YEAR	NORTH	SOUTH ONSHORE	SOUTH OFFSHORE	FEDERAL OCS	TOTAL STATE
1977	3,135	18,580	35,295	N/A	57,010
1978	3,203	14,755	34,767	N/A	55,725
1979	2,798	13,994	33,250	N/A	50,042
1980	3,076	13,026	31,223	N/A	47,325
1981	3,270	12,645	31,462	N/A	47,377
1982	2,919	11,801	30,203*	N/A	44,923*
1983	2,939	11,142	28,480*	N/A	42,561*
1984	2,494	10,331	28,574*	N/A	41,399*
1985	2,587	9,808	1,643	26,113*	40,151*
1986	2,515	9,103	1,312	25,454*	38,384*
1987	2,306	8,693	1,431	23,260*	35,690*
1988	2,398	8,654	1,172	23,471*	35,695*
1989	2,652	8,645	1,219	24,187*	36,703*
1990	2,588	8,171	969	22,679*	34,407*
1991	2,384	7,504	1,024	21,611*	32,523*
1992	2,311	6,693	776	19,653*	29,433*
1993	2,325	5,932	917	19,383*	28,557*
1994	2,537	6,251	960	20,835*	30,583*
1995	2,788[E]	5,648[E]	838[E]	21,392*	30,666*
1996	2,550[E]	5,944[E]	905[E]	21,537[E]*	30,935[E]*

NOTE: Federal OCS is included in the south offshore figure from 1977 through 1984.

*Alabama State and Federal Offshore are included.

TABLE 34

LOUISIANA ESTIMATED NATURAL GAS LIQUIDS PROVED RESERVES[9]
EXCLUDING LEASE CONDENSATE
As of December 31st of Each Year
(Million Barrels)

YEAR	NORTH	SOUTH ONSHORE	SOUTH OFFSHORE	FEDERAL OCS	TOTAL STATE
1979	63	560	373	N/A	996
1979	63	560	373	N/A	996
1980	60	409	356	N/A	825
1981	59	287	431	N/A	777
1982	73	301	374	N/A	748
1983	61	263	409	N/A	733
1984	55	298	462	N/A	815
1985	39	234	420	N/A	693
1986	39	220	28	336	623
1987	33	235	33	309	610
1988	39	228	27	289	583
1989	40	215	39	297	591
1990	38	249	37	261	585
1991	38	242	41	292	613
1992	41	229	47	246	563
1993	38	201	21	255	515
1994	48[R]	214[R]	19[R]	267[R]	548[R]
1995	55[E]	359[E]	16[E]	191[E]	621[E]
1996	55[E]	337[E]	18[E]	238[E]	647[E]

NOTE: Federal OCS is included in the south offshore figure from 1979 through 1985.

*Alabama State and Federal Offshore are included.

[R]Revised

[E]Estimated

See footnotes in Appendix A.

FIGURE 15

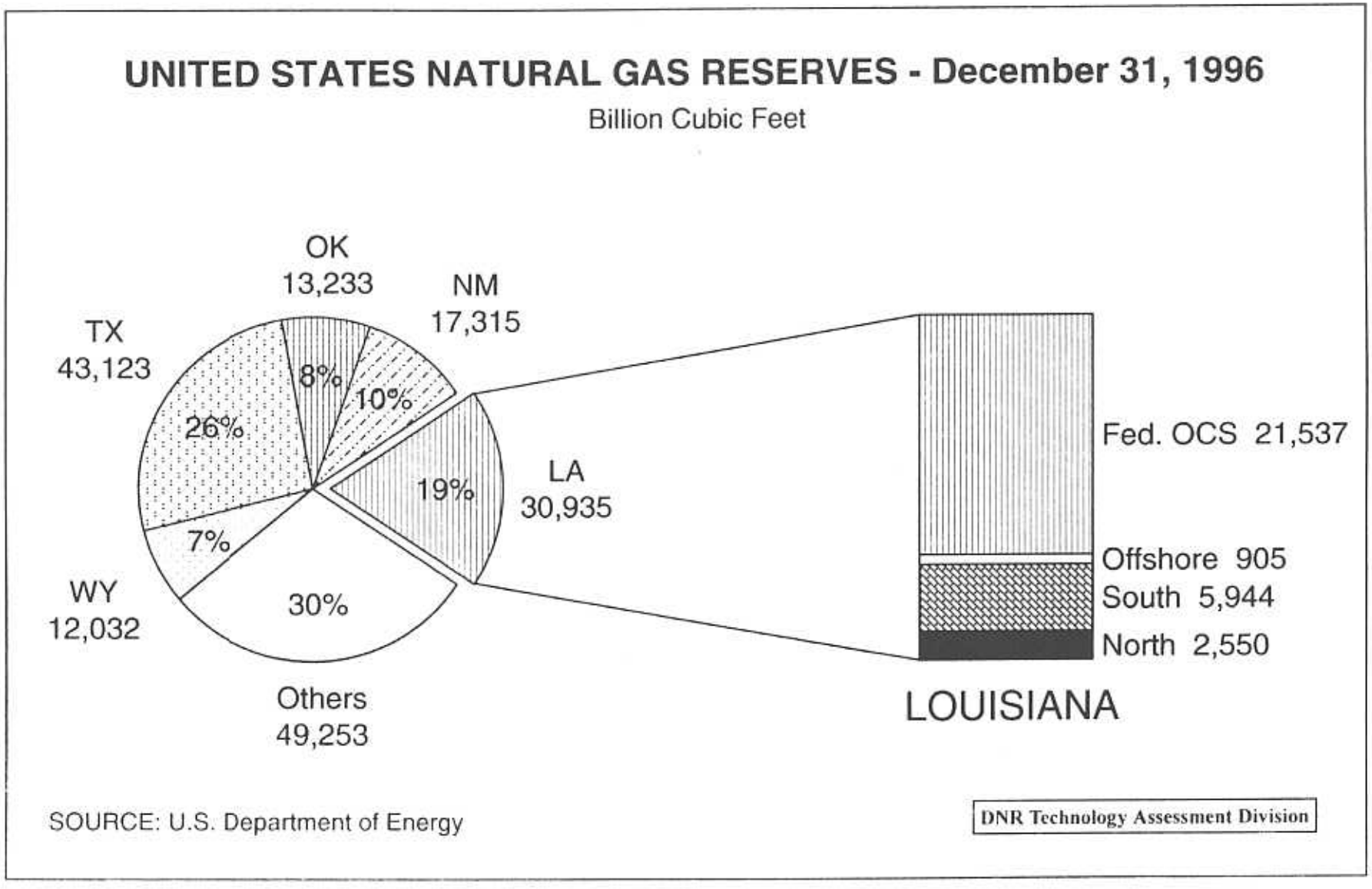

UNITED STATES NATURAL GAS RESERVES - December 31, 1996
Billion Cubic Feet
OK
13,233
NM
17,315
TX
43,123
WY
12,032
LA
30,935
Others
49,253
8%
10%
26%
19%
7%
30%
Fed. OCS 21,537
Offshore 905
South 5,944
North 2,550
LOUISIANA
SOURCE: U.S. Department of Energy
DNR Technology Assessment Division

TABLE 35

LOUISIANA NONAGRICULTURAL EMPLOYMENT[1]

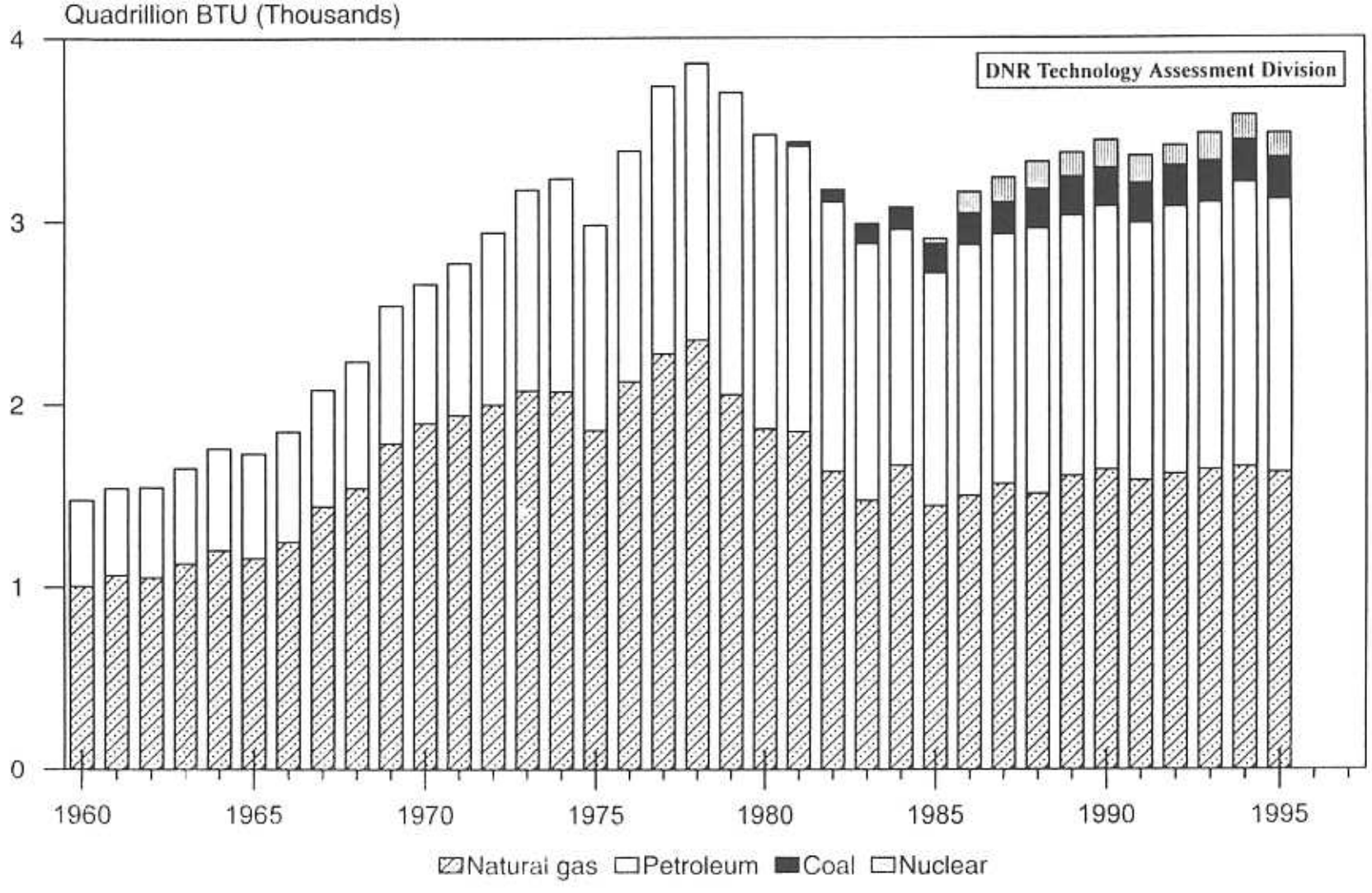
DATE	OIL & GAS PRODUCTION	CHEMICAL INDUSTRY	OIL REFINING	OIL PIPELINE	TOTAL EMPLOYMENT
1975	59,950	26,419	10,570	950	1,336,000
1975	59,950	26,419	10,570	950	1,336,000
1976	62,678	28,904	10,499	900	1,285,500
1977	64,032	30,446	10,678	900	1,444,600
1978	70,678	31,627	11,599	1,000	1,509,100
1979	74,017	31,831	12,608	1,100	1,554,370
1980	85,778	33,490	13,287	1,200	1,599,600
1981	94,772	32,711	16,314	1,200	1,627,796
1982	92,225	33,984	13,111	1,033	1,571,017
1983	77,283	30,272	13,140	1,282	1,531,480
1984	78,032	29,104	13,053	1,247	1,568,064
1985	77,781	28,093	12,458	1,144	1,550,443
1986	58,888	25,998	12,233	1,168	1,475,318
1987	52,117	25,345	12,225	1,051	1,438,793
1988	54,565	26,957	11,258	1,039	1,468,508
1989	52,509	27,717	11,321	1,016	1,492,051
1990	54,063	29,083	11,535	1,041	1,546,820
1991	54,412	29,412	12,268	1,073	1,566,779
1992	45,869	30,349	12,543	1,095	1,583,423
1993	44,422	30,419	12,728	1,078	1,613,577
1994	44,885	30,014	13,037	1,014	1,671,087
January	43,225	30,315	11,648	971	1,676,820
February	43,347	30,228	11,680	945	1,685,930
March	42,865	29,821	11,793	951	1,690,662
April	42,756	30,113	11,474	975	1,704,460
May	43,212	30,150	11,461	967	1,722,897
June	43,939	30,332	11,586	975	1,738,463
July	44,684	30,261	11,611	961	1,718,586
August	44,965	30,257	11,658	917	1,724,986
September	45,173	30,124	11,615	905	1,750,250
October	44,902	29,949	11,531	871	1,741,174
November	44,973	30,025	11,558	867	1,745,421
December	45,608	30,177	11,617	873	1,749,996
1995 Average	**44,279[R]**	**30,168[R]**	**11,603**	**932**	**1,721,651[R]**
January	44,437	30,102	11,315	777	1,712,890
February	45,024	30,179	11,393	779	1,720,143
March	45,371	30,265	11,471	777	1,736,527
April	45,803	30,238	11,181	804	1,746,256
May	46,948	30,291	11,191	804	1,764,817
June	47,664	30,344	11,250	814	1,776,117
July	47,581	30,048	11,325	810	1,744,924
August	47,904	30,080	11,313	801	1,759,914
September	48,171	29,921	11,260	781	1,779,089
October	47,311	29,806	11,132	775	1,777,051
November	47,684	29,884	11,154	774	1,784,522
December	48,724	29,992	11,157	771	1,789,181
1996 Average	**46,885**	**30,096**	**11,262**	**789**	**1,757,619**

[R]Revised

See footnotes in Appendix A.

FIGURE 16

LOUISIANA ENERGY CONSUMPTION BY SOURCE



SOURCE: U.S. Department of Energy

TABLE 36

LOUISIANA ENERGY CONSUMPTION ESTIMATES BY SOURCE[11]

YEAR	TOTAL ENERGY (TBTU)	TOTAL NATURAL GAS (BCF)	TOTAL PETROLEUM (MBBLS)	COAL (MST)	NUCLEAR (Million KWH)
1960	1,469	970	88,852	N/A	0
1961	1,534	1,029	89,889	N/A	0
1962	1,548	1,015	94,051	N/A	0
1963	1,651	1,091	99,427	N/A	0
1964	1,755	1,144	106,260	N/A	0
1965	1,729	1,110	109,325	N/A	0
1966	1,843	1,202	115,895	N/A	0
1967	2,087	1,394	123,074	N/A	0
1968	2,255	1,521	134,822	N/A	0
1969	2,532	1,763	148,052	N/A	0
1970	2,660	1,841	150,124	0	0
1971	2,767	1,884	163,298	0	0
1972	2,945	1,940	186,445	0	0
1973	3,180	2,010	212,662	0	0
1974	3,268	2,008	222,611	0	0
1975	2,986	1,789	214,065	0	0
1976	3,374	2,044	237,208	0	0
1977	3,748	2,191	270,987	79	0
1978	3,882	2,249	279,482	172	0
1979	3,779	1,978	307,896	118	0
1980	3,595	1,794	296,347	111	0
1981	3,615	1,782	295,551	1,363	0
1982	3,369	1,556	287,818	3,724	0
1983	3,209	1,413	276,220	6,154	0
1984	3,339	1,594	248,977	6,855	0
1985	3,121	1,386	248,327	9,217	2,457
1986	3,258	1,439	261,600	10,459	10,637
1987	3,341	1,501	258,375	10,391	12,324
1988	3,371	1,446	272,690	12,848	13,785
1989	3,468	1,538	267,179	12,471	12,391
1990	3,612	1,571	269,560	12,547	14,197
1991	3,540	1,508	264,867	12,965	13,956
1992	3,625	1,546	275,075	13,674	10,356
1993	3,674	1,578	275,816	13,676	14,398
1994	3,817	1,624	296,672	14,100	12,779
1995	3,705[E]	1,444[E]	282,521[E]	13,817[E]	12,511[E]

TBTU = Trillion BTU
BCF = Billion Cubic Feet
KWH = Kilowatt-hours
MBBLS = Thousand Barrels
MST = Thousand Short Tons

[R]Revised

[E]Estimated

See footnotes in Appendix A.

TABLE 37

LOUISIANA REFINERY STATISTICS

DATE	AVERAGE STOCK ON HAND (Barrels)	DAILY AVERAGE RUNS TO STILL (Barrels)	LICENSED REFINERIES
1975	8,842,871	1,517,909	20
1976	11,114,424	1,681,034	21
1977	13,978,218	1,890,650	23
1978	13,509,825	1,857,223	25
1979	13,525,870	1,905,514	29
1980	16,403,667	1,781,168	32
1981	14,207,520	1,727,400	31
1982	12,905,202	1,716,091	31
1983	13,317,761	1,649,283	27
1984	13,182,207	1,720,172	25
1985	13,425,129	1,735,402	24
1986	13,391,258	1,901,450	23
1987	13,967,381	1,947,187	22
1988	14,295,591	1,946,861	21
1989	14,158,306	2,051,304	23
1990	13,783,012	2,045,697	23
1991	14,197,185	2,071,276	23
1992	14,331,412	2,090,248	22
1993	13,763,497	1,883,531	25
1994	15,126,534	2,150,403	19
January	13,319,559	2,132,585	19
February	14,171,468	2,005,997	19
March	14,469,156	2,111,929	19
April	14,472,406	2,119,418	19
May	14,916,388	2,048,791	19
June	14,243,832	2,146,202	19
July	14,401,599	2,158,909	19
August	15,311,205	2,067,673	19
September	14,265,594	2,081,325	19
October	13,991,465	2,140,565	19
November	14,326,923	2,136,396	19
December	14,014,065	2,161,153	19
1995 Average	**14,325,305**	**2,109,245**	**19**
January	14,148,051	2,121,484	19
February	14,485,838	1,958,945	19
March	15,228,836	2,067,590	19
April	14,786,046	2,146,306	19
May	14,860,429	2,139,930	19
June	15,010,204	2,208,301	19
July	14,489,945	2,227,440	19
August	15,584,593	2,133,424	19
September	14,852,225	2,145,018	19
October	14,022,522	2,150,728	19
November	14,493,508	2,150,841	19
December	13,953,771	2,150,280	19
1996 Average	**14,659,664**	**2,133,357**	**19**

TABLE 38

LOUISIANA ELECTRIC UTILITIES NET ELECTRICITY GENERATION[13,14,16] 1960-1994 BY FUEL TYPE (Million KWH)

YEAR	COAL	LIGNITE	OIL	GAS	NUCLEAR	TOTAL
1960	0	0	28	11,837	0	11,865
1961	0	0	23	12,605	0	12,628
1962	0	0	34	13,541	0	13,575
1963	0	0	37	14,808	0	14,845
1964	0	0	54	16,007	0	16,061
1965	0	0	26	17,819	0	17,845
1966	0	0	24	21,643	0	21,667
1967	0	0	20	23,132	0	23,152
1968	0	0	32	26,123	0	26,155
1969	0	0	26	32,301	0	32,327
1970	0	0	79	33,623	0	33,702
1971	0	0	N/A	N/A	0	37,118
1972	0	0	N/A	N/A	0	39,348
1973	0	0	14,353	36,351	0	40,704
1974	0	0	5,034	34,472	0	39,506
1975	0	0	3,257	35,967	0	39,224
1976	0	0	7,773	37,343	0	45,116
1977	0	0	13,255	35,196	0	48,451
1978	0	0	14,568	36,935	0	51,503
1979	0	0	8,259	38,396	0	46,655
1980	0	0	4,787	40,952	0	45,739
1981	1,529	0	2,634	39,947	0	44,110
1982	4,998	0	940	35,594	0	41,532
1983	8,377	0	356	28,311	0	37,044
1984	9,830	0	140	29,360	0	39,330
1985	13,968	0	100	27,736	2,457	44,261
1986	12,642	2,884	419	26,202	10,637	52,784
1987	12,176	2,926	60	23,823	12,324	51,309
1988	14,372	4,059	272	24,286	13,785	56,774
1989	14,227	3,854	298	21,900	12,391	52,670
1990	13,890	3,910	130	26,061	14,197	58,188
1991	14,786	4,126	45	24,245	13,956	57,158
1992	15,613	4,183	483	24,554	10,356	55,189
1993	15,794	3,572	1,838	23,751	14,398	59,353
1994	15,761	4,364	680	26,586	12,779	60,170
1995	14,632	4,321	49	30,867	15,686	65,555
1996	14,630	4,002	273	24,177	15,765	58,847

See footnotes in Appendix A.

FIGURE 17

AVERAGE PRICE OF PURPA QUALIFIED FACILITY (QF) ELECTRICITY SOLD TO LOUISIANA ELECTRIC UTILITIES

LOUISIANA AND TEXAS QFs

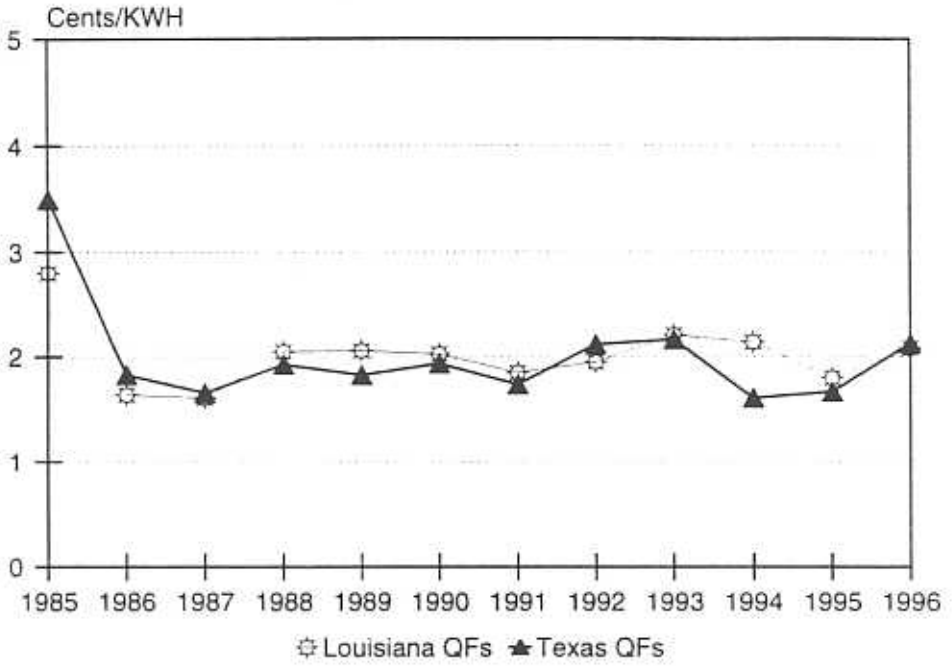
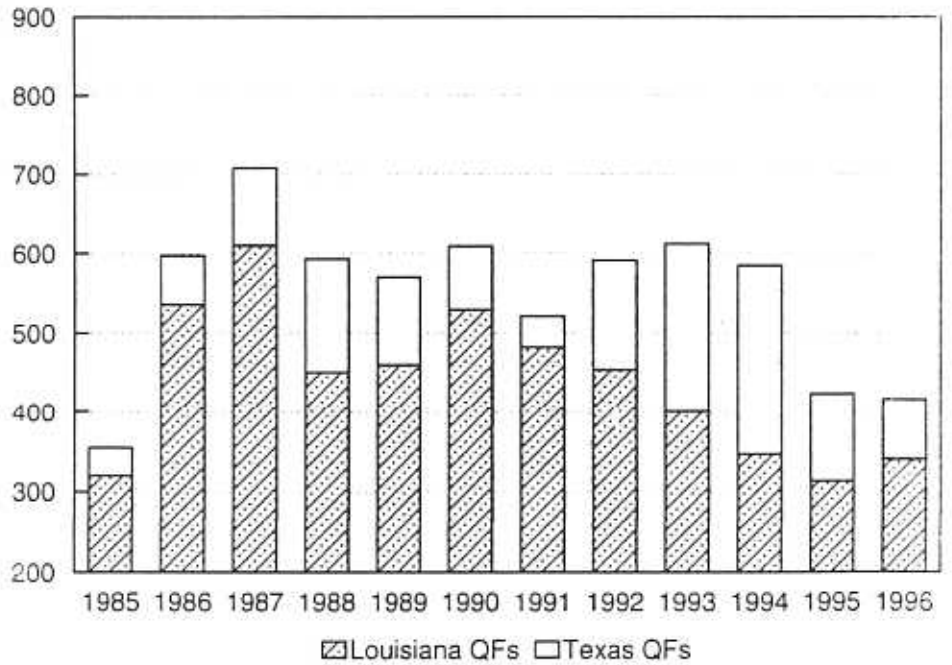


FIGURE 18

LOUISIANA ELECTRIC UTILITIES NET ELECTRICITY PURCHASES FROM PURPA QUALIFIED FACILITY (QF) SUPPLIERS

LOUISIANA AND TEXAS QFs



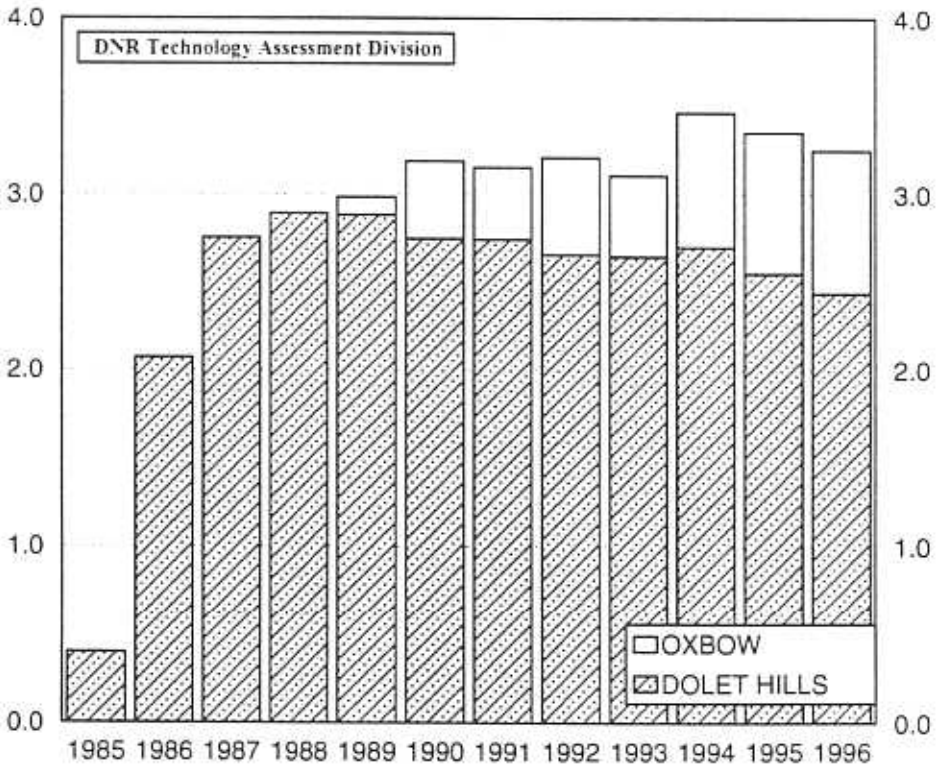
1996 figures are estimated based on January-July actual figures.

FIGURE 19

LOUISIANA LIGNITE PRODUCTION BY MINE SOURCE

(Tons Shipped)
1985-1996

YEAR	MINE		TOTAL
	DOLET HILLS	OXBOW	
1985	392,815	-0-	392,815
1986	2,067,867	-0-	2,067,867
1987	2,750,652	-0-	2,750,652
1988	2,889,489	-0-	2,889,489
1989	2,879,806	102,753	2,982,559
1990	2,746,096	440,093	3,186,189
1991	2,740,733	410,015	3,150,748
1992	2,653,455	553,950	3,207,405
1993	2,643,806	460,099	3,103,905
1994	2,697,322	765,817	3,463,138
1995	2,546,210	803,936	3,350,146
1996	2,435,588	812,437	3,248,025



Sources: 1985-1992 Louisiana Geological Survey
1993-1994 Dolet Hills-CLECO
Oxbow-Red River Mining Co.
1995-1996 Louisiana DNR, Office of Conservation

APPENDIX A

ABBREVIATIONS

BCF	Billion Cubic Feet
BTU	British Thermal Unit
DNR	Louisiana Department of Natural Resources
DOE	United States Department of Energy
DOI	United States Department of the Interior
EIA	Energy Information Administration, DOE
FOB	Free on Board
KWH	Kilowatt-hours
MBBLS	Thousand Barrels
MCF	Thousand Cubic Feet
MMS	Minerals Management Service, DOI
MST	Thousand Short Tons
NGC	Natural Gas Clearinghouse
OCS	Outer Continental Shelf
OPEC	Organization of Petroleum Exporting Countries
RAC	Refinery Acquisition Costs
SLS	South Louisiana Sweet Crude Oil
SPR	Strategic Petroleum Reserve
TBTU	Trillion BTU
TCF	Trillion Cubic Feet

STATE ABBREVIATIONS USED IN THE LOUISIANA ENERGY FACTS ANNUAL

AL	Alabama
AK	Alaska
CA	California
CO	Colorado
KS	Kansas
LA	Louisiana
MI	Michigan
MS	Mississippi
NM	New Mexico
OK	Oklahoma
TX	Texas
UT	Utah
WY	Wyoming

APPENDIX B

DATA SOURCES

Unless otherwise specified, data is from the Louisiana Department of Natural Resources.

1. EMPLOYMENT AND TOTAL WAGES PAID BY EMPLOYERS SUBJECT TO LOUISIANA EMPLOYMENT SECURITY LAW, Baton Rouge, LA: Louisiana Department of Labor, Office of Employment Security, Research and Statistics Unit.

2. MONTHLY ENERGY REVIEW and ANNUAL ENERGY REVIEW, Washington, D.C.: U.S. Department of Energy, Energy Information Administration.

3. NATURAL GAS MONTHLY and NATURAL GAS ANNUAL, Washington, D.C.: U.S. Department of Energy, Energy Information Administration.

4. Baker Hughes from OIL & GAS JOURNAL, Tulsa, OK: PennWell Publishing Co.

5. NATURAL GAS CLEARINGHOUSE SURVEY OF DOMESTIC SPOT MARKET PRICES, Houston, TX: Natural Gas Clearinghouse.

6. PETROLEUM MARKETING MONTHLY and PETROLEUM MARKETING ANNUAL, Washington, D.C.: U.S. Department of Energy, Energy Information Administration.

7. PETROLEUM SUPPLY MONTHLY and PETROLEUM SUPPLY ANNUAL, Washington, D.C.: U.S. Department of Energy, Energy Information Administration.

8. SEVERANCE TAX, Baton Rouge, LA: Louisiana Department of Revenue and Taxation, Severance Tax Section.

9. U.S. CRUDE OIL, NATURAL GAS and NATURAL GAS LIQUIDS RESERVES, Washington, D.C.: U.S. Department of Energy, Energy Information Administration.

10. THE WALL STREET JOURNAL, Gulf Coast Edition, Beaumont, TX: Dow Jones and Company.

11. STATE ENERGY DATA REPORT, Washington, D.C.: U.S. Department of Energy, Energy Information Administration.

12. FEDERAL OFFSHORE STATISTICS, Washington, D.C.: U.S. Department of the Interior, Minerals Management Service.

13. STATISTICAL YEARBOOK OF THE ELECTRIC UTILITY INDUSTRY, Washington, D.C.: Edison Electric Institute.

14. ELECTRIC POWER MONTHLY, Washington, D.C.: U.S. Department of Energy, Energy Information Administration.

15. MINERAL REVENUE, Washington, D.C.: U.S. Department of the Interior, Minerals Management Service, Royalty Management Program.

16. MONTHLY POWER PLANT REPORT, Washington, D.C.: U.S. Department of Energy, Energy Information Administration.

APPENDIX C

GLOSSARY

BONUS. A cash payment by the lessee for the execution of a lease. A lease is a contract that gives a lessee the right: (a) to search for minerals, (b) to develop the surface for extraction, and (c) to produce minerals within the area covered by the contract.

CASINGHEAD GAS. All natural gas released from oil during the production of oil from underground reservoirs.

CITY-GATE. A point or measuring station at which a gas distribution company receives gas from a pipeline company or transmission system.

COMMERCIAL CONSUMPTION. Gas used by nonmanufacturing organizations such as hotels, restaurants, retail stores, laundries, and other service enterprises. This also includes gas used by local, state, and federal agencies engaged in nonmanufacturing activities.

CONDENSATE. (See *LEASE CONDENSATE).*

CRUDE OIL. A mixture of hydrocarbons that existed in the liquid phase in natural underground reservoirs and remains liquid at atmospheric pressure after passing through surface separating facilities.

CRUDE OIL PRICES.

Domestic Wellhead. The average price at which all domestic crude oil is first purchased.

Imports FOB. The price actually charged at the producing country's port of loading. It is the responsibility of the buyer to arrange for transportation and insurance.

Imports Landed. The dollar per barrel price of crude oil at the port of discharge. It includes crude oil landed in the U.S. and U.S. company-owned refineries in the Caribbean, but excludes crude oil from countries that export only small amounts to the United States. The landed price does not include charges incurred at the port of discharge.

Imports OPEC FOB. The average price actually charged by OPEC at their country's port of loading. This price does not include transportation or insurance.

OCS Gulf. The average price at which all offshore, Outer Continental Shelf, Central Gulf region crude oil is first purchased as reported by the U.S. Department of Energy, Energy Information Administration.

Refinery Acquisition Costs (RAC). The average price paid by refiners in the U.S. for crude oil booked into their refineries in accordance with accounting procedures generally accepted and consistently and historically applied by the refiners.

a) **Domestic.** The average price of crude oil produced in the United States or from the Outer Continental Shelf of the U.S.

b) **Imports.** The average price of any crude oil not reported as domestic.

Refinery Posted. The average price from a survey of selected refiners' postings for South Louisiana Sweet (SLS) crude, which are effective on the middle and the end of the month.

Severance Tax. The average wellhead price calculated from oil severance taxes paid to the Louisiana Department of Revenue and Taxation.

Spot Market. The spot market crude oil price is the average of daily South Louisiana Sweet (SLS) crude price futures traded in the month and usually includes transportation from the producing field to the St. James, Louisiana terminal.

State. The average price at which all Louisiana crude oil, excluding Louisiana OCS, is first purchased as reported in a survey by the U.S. Department of Energy, Energy Information Administration.

State Royalty. The average wellhead price from its royalty share of oil produced in state lands or water bottoms. The price is calculated by the ratio of received oil royalty gross revenue divided by royalty volume share reported to the Louisiana Department of Natural Resources.

DEVELOPMENTAL WELL. Wells drilled within the proved area of an oil or gas reservoir to the depth of a stratigraphic horizon known to be productive.

DRY GAS. (See *NATURAL GAS, "DRY"*).

DRY HOLE. An exploratory or developmental well found to be incapable of producing either oil or gas in sufficient quantities to justify completion as an oil or gas well.

ELECTRIC UTILITY CONSUMPTION. Gas used as fuel in electric utility plants.

EXPLORATORY WELL. A well drilled to find and produce oil or gas in an unproved area, to find a new reservoir in an old field, or to extend the limits of a known oil or gas reservoir.

EXPORTS. Crude oil or natural gas delivered out of the Continental United States and Alaska to foreign countries.

EXTRACTION LOSS. The reduction in volume of natural gas resulting from the removal of natural gas liquid constituents at natural gas processing plants.

FEDERAL OFFSHORE or FEDERAL OCS. (See *LOUISIANA OCS)*

FOB Price (Free on board). The price actually charged at the producing country's port of loading. The reported price includes deductions for any rebates and discounts or additions of premiums where applicable and should be the actual price paid with no adjustment for credit terms.

GROSS REVENUE. Amount of money received from a purchaser, including charges for field gathering, transportation from wellhead to purchaser receiving terminal, and state production severance tax.

GROSS WITHDRAWALS. (See *NATURAL GAS, GROSS WITHDRAWALS*)

IMPORTS. Crude oil or natural gas received in the Continental United States, Alaska, and Hawaii from foreign countries.

INDUSTRIAL CONSUMPTION. Natural gas used by manufacturing and mining establishments for heat, power, and chemical feedstock.

LEASE CONDENSATE. A mixture consisting primarily of pentane and heavier hydrocarbons that is recovered as a liquid from natural gas in lease or field separation facilities, exclusive of products recovered at natural gas processing plants or facilities.

LEASE SEPARATOR. A facility installed at the surface for the purpose of: (a) separating gases from produced crude oil and water at the temperature and pressure conditions of the

separator, and/or (b) separating gases from that portion of the produced natural gas stream which liquefies at the temperature and pressure conditions of the separator.

LOUISIANA OCS. Submerged lands under federal regulatory jurisdiction that comprise the Continental Margin or Outer Continental Shelf adjacent to Louisiana and seaward of the Louisiana Offshore region.

LOUISIANA OFFSHORE. A 3-mile strip of submerged lands under state regulatory jurisdiction located between the State coast line and the OCS region.

LOUISIANA ONSHORE. Region defined by the State boundary and the coast line.

MAJOR PIPELINE COMPANY. A company whose combined sales for resale, and gas transported interstate or stored for a fee, exceeded 50 million thousand cubic feet in the previous year.

MARKETED PRODUCTION. (See *NATURAL GAS, MARKETED PRODUCTION*)

NATURAL GAS. A mixture of hydrocarbon compounds and small quantities of various non-hydrocarbons existing in the gaseous phase or in solution with crude oil in natural underground reservoirs at reservoir conditions. The principal hydrocarbons usually contained in the mixture are methane, ethane, propane, butanes and pentanes. Typical non-hydrocarbon gases that may be present in reservoir natural gas are carbon dioxide, helium, hydrogen sulfide and nitrogen. Under reservoir conditions, natural gas and the liquefiable portions occur eithe. in a single gaseous phase in the reservoir or in solution with crude oil, and are not distinguishable at the time as separated substances.

NATURAL GAS, "DRY". The actual or calculated volume of natural gas which remains after: (a) the liquefiable hydrocarbon portion has been removed from the gas stream, and (b) any volumes of non-hydrocarbon gases have been removed where they occur in sufficient quantity to render the gas unmarketable.

NATURAL GAS, GROSS WITHDRAWALS. Full well-stream volume, including all natural gas plant liquids and all non-hydrocarbon gases, but excluding lease condensate.

NATURAL GAS LIQUIDS. Lease condensate plus natural gas plant liquids.

NATURAL GAS, MARKETED PRODUCTION. Gross withdrawals less gas used for repressurizing, quantities vented and flared, and non-hydrocarbon gases removed in treating or processing operations. Includes all quantities of gas used in field and processing operations.

NATURAL GAS, OCS GAS. OCS gas volume is as reported. It is mostly "dry" gas and some is "wet" gas.

NATURAL GAS PLANT LIQUIDS. Those hydrocarbons remaining in a natural gas stream after field separation and later separated and recovered at a natural gas processing plant or cycling plant through the processes of absorption, adsorption, condensation, fractionation or other methods. Generally such liquids consist of propane and heavier hydrocarbons and are commonly referred to as condensate, natural gasoline, or liquefied petroleum gases. Where hydrocarbon components lighter than propane (e.g., ethane) are recovered as liquids, these components are included with natural gas liquids.

NATURAL GAS PRICES.

Spot Market. The average price of natural gas paid at the regional spot market receipt points or zones as reported by the Natural Gas Clearinghouse (NGC) in Houston, Texas. The data is from the NGC's survey of the domestic natural gas spot market receipt points.

The Louisiana natural gas spot market is a subset of the U.S. spot market. It only includes spot market receipt points or zones located in Louisiana. These points or zones are:

Eunice, Louisiana - Market accessed by ANR
Onshore Lateral, La - Market accessed by Columbia Gulf
Anywhere On System - Market accessed by Faustina, Louisiana Intrastate Gas, Bridgeline and Monterrey
South Louisiana - Market accessed by Southern Natural
Vinton Louisiana - Market accessed by Tennessee Gas Pipeline
Northern Louisiana - Market accessed by Texas Gas Transmission
Onshore Louisiana - Market accessed by United

OCS. The average wellhead price calculated from sales and volumes from Louisiana OCS natural gas as reported by the U.S. Department of Interior, Minerals Management Service.

State Royalty. The average wellhead price calculated from revenue received and volumes reported to the Louisiana Department of Natural Resources.

State Wells. The average price of gas sold at Louisiana wellhead. This price includes: (a) value of natural gas plant liquids subsequently removed from the gas, (b) gathering and compression charges, and (c) State production, severance, and/or similar charges.

Major Pipelines Purchases.

a) **Domestic Producers.** The average price of natural gas produced in the United States or from the Outer Continental Shelf of the U.S.

b) **Foreign Imports.** The average price of any natural gas not reported as domestic.

Wellhead. The wellhead sales price including: (a) value of natural gas plant liquids subsequently removed from the gas, (b) gathering and compression charges, and (c) State production, severance, and/or similar charges.

NATURAL GAS, WET AFTER LEASE SEPARATION. The volume of natural gas, if any, remaining after: (a) removal of lease condensate in lease and/or field separation facilities, and (b) exclusion of non-hydrocarbon gases where they occur in sufficient quantities to render the gas unmarketable. Also excludes gas returned to formation in pressure maintenance and secondary recovery projects and gas returned to earth from cycling and/or gasoline plants. Natural gas liquids may be recovered from volumes of natural gas, wet after lease separation, at natural gas processing plants.

ORGANIZATION OF PETROLEUM EXPORTING COUNTRIES (OPEC). Countries that have organized for the purpose of negotiating with oil companies on matters of oil production, prices, and future concession rights. Current members are Algeria, Gabon, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, the United Arab Emirates, and Venezuela.

OUTER CONTINENTAL SHELF (OCS). All submerged lands that comprise the Continental Margin adjacent to the U.S. and seaward of the state offshore lands. Production in the OCS is under federal regulatory jurisdiction and ownership.

PROCESSING PLANT. A facility designed to recover natural gas liquids from a stream of natural gas which may or may not have passed through lease separators and/or field separation facilities. Another function of natural gas processing plants is to control the quality of the processed natural gas stream.

PROVED RESERVES OF CRUDE OIL. As of December 31 of the report year, the estimated quantities of all liquids defined as crude oil which geological and engineering data demonstrate with reasonable certainty to be recoverable in future years from known reservoirs under existing economic and operating conditions. Volumes of crude oil in underground storage are not considered proved reserves.

PROVED RESERVES OF LEASE CONDENSATE. The volumes of lease condensate as of December 31 of the report year expected to be recovered in future years in conjunction with the production of proved reserves of natural gas as of December 31 of the report year.

PROVED RESERVES OF NATURAL GAS. The estimated quantities of natural gas as of December 31 of the report year which analysis of geologic and engineering data demonstrates with reasonable certainty to be recoverable in future years from known reservoirs under existing economic and operating conditions. Volumes of natural gas in underground storage are not considered proved reserves.

PROVED RESERVES OF NATURAL GAS LIQUIDS. The volumes of natural gas liquids (including lease condensate) as of December 31 of the report year, which analysis of geologic and engineering data demonstrates with reasonable certainty to be separable in the future from proved natural gas reserves, under existing economic and operating conditions.

RENTAL. Money paid by the lessee to maintain the lease after the first year if it is not producing. A lease is considered expired when rental is not paid on time on an unproductive lease.

RESERVOIR. A porous and permeable underground formation containing an individual and separate natural accumulation of producible hydrocarbons (oil and/or gas) which is confined by impermeable rock or water barriers and is characterized by a single natural pressure system. Reservoirs are considered proved if economic producibility is supported by actual production or conclusive formation tests (drill stem or wire line), or if economic producibility is supported by core analysis and/or electric or other log interpretations. The area of a gas or oil reservoir considered proved includes: (a) that portion delineated by drilling and defined by gas-oil and/or gas-water contacts, if any; and (b) the immediately adjoining portions not yet drilled, but which can be reasonably judged as economically productive on the basis of available geological and engineering data.

RESIDENTIAL CONSUMPTION. Gas used in private dwellings, including apartments, for heating, cooking, water heating, and other household uses.

ROYALTY (Including Royalty Override) INTEREST. Those interests which entitle their owner(s) to a share of the mineral production from a property or to a share of the proceeds therefrom. These interests do not contain the rights and obligations of operating the property and normally do not bear any of the costs of exploration, development, or operation of the property.

ROYALTY OVERRIDE (Or OVERRIDING ROYALTY). An interest in oil and gas produced at the surface free of any cost of production. It is royalty in addition to the usual landowner's royalty reserved to the lessor. The Layman's Guide to Oil & Gas by Brown & Miller defines overriding royalty as a percentage of all revenue earned by a well and carrying no cost obligation.

STATE OFFSHORE. (See *LOUISIANA OFFSHORE*).

WET AFTER LEASE SEPARATION. (See *NATURAL GAS, WET AFTER LEASE SEPARATION*).

WILDCAT WELL . (See *DEVELOPMENTAL WELL*).

APPENDIX D-1

LOUISIANA STATE GAS PRODUCTION, WET AFTER LEASE SEPARATION
Natural Gas and Casinghead Gas, Excluding OCS
(Thousand Cubic Feet (MCF), at 14.73 psia and 60 degrees Fahrenheit)*

DATE	NORTH	SOUTH	OFFSHORE	TOTAL
1975	348,087,178	2,963,533,670	519,686,887	3,831,307,734
1975	348,087,178	2,963,533,670	519,686,887	3,831,307,734
1976	354,699,745	2,684,596,879	523,207,556	3,562,504,180
1977	355,168,686	2,517,077,571	495,831,330	3,368,077,587
1978	339,810,635	2,324,919,111	499,536,520	3,164,266,266
1979	366,665,384	2,182,260,056	486,517,478	3,035,442,919
1980	377,031,666	1,970,503,750	416,970,904	2,764,506,320
1981	428,405,769	1,799,516,063	382,343,206	2,610,265,038
1982	386,004,468	1,566,377,332	366,786,207	2,319,168,006
1983	372,027,021	1,348,297,497	327,867,480	2,048,191,997
1984	394,640,400	1,418,548,949	324,376,486	2,137,565,835
1985	363,537,227	1,295,763,687	259,172,205	1,918,473,120
1986	376,365,114	1,260,415,323	254,824,829	1,891,605,266
1987	368,201,116	1,190,281,030	235,533,381	1,794,015,527
1988	385,240,490	1,203,110,971	220,427,212	1,808,778,674
1989	389,753,869	1,162,596,403	208,995,087	1,761,345,359
1990	390,844,876	1,135,530,512	182,241,160	1,708,616,548
1991	391,695,665	1,144,790,650	153,601,393	1,690,087,709
1992	377,846,592	1,142,511,650	149,550,553	1,669,908,795
1993	361,037,978	1,127,223,468	157,011,151	1,645,272,597
1994	363,026,133	1,059,040,963	160,253,733	1,582,320,828
January	31,573,780	86,513,395	13,763,115	131,850,289
February	27,466,918	80,104,694	12,200,396	119,772,007
March	31,492,864	86,206,629	14,037,659	131,737,151
April	30,355,610	87,474,624	13,040,251	130,870,486
May	31,820,516	89,594,199	13,716,615	135,131,330
June	30,758,795	85,754,361	12,881,577	129,394,733
July	31,826,956	87,974,266	14,403,396	134,204,619
August	31,671,627[R]	89,370,291[R]	15,005,359[R]	136,047,277[R]
September	30,969,787[R]	86,220,475[R]	14,775,356[R]	131,965,619[R]
October	32,209,136[R]	86,680,539[R]	15,295,627[R]	134,185,303[R]
November	31,116,409[R]	85,243,091[R]	14,749,936[R]	131,109,436[R]
December	32,658,308[R]	85,866,238[R]	15,110,565[R]	133,635,112[R]
1995 Total	**373,920,706[R]**	**1,037,002,802[R]**	**168,979,854[R]**	**1,579,903,362[R]**
January	33,842,775	85,360,921	15,816,798	135,020,494
February	32,137,440	79,607,518	14,528,596	126,273,553
March	34,861,054	86,127,273	17,828,459	138,816,785
April	33,834,159	87,339,215	16,257,948	137,431,321
May	35,530,867	89,666,324	15,449,896	140,647,087
June	34,455,535	86,334,469	15,758,747	136,548,751
July	35,431,185	88,729,313	15,907,773	140,068,271
August	35,757,836	89,947,497	15,371,343	141,076,676
September	34,830,728[E]	88,192,706[E]	15,695,016[E]	138,718,450[E]
October	35,030,042[E]	88,363,405[E]	15,582,429[E]	138,975,876[E]
November	34,929,877[E]	88,102,821[E]	15,608,936[E]	138,641,634[E]
December	35,024,745[E]	88,456,491[E]	15,578,974[E]	139,060,210[E]
1996 Total	**415,666,241[E]**	**1,046,227,952[E]**	**189,384,915[E]**	**1,651,279,108[E]**

See Table 9 for corresponding volumes at 15.025 psia.

[R]Revised

[E]Estimated

LOUISIANA GAS PRODUCTION, WET AFTER LEASE SEPARATION
Natural Gas and Casinghead Gas
(Thousand Cubic Feet (MCF), at 14.73 psia and 60 degrees Fahrenheit)*

DATE	ONSHORE	OFFSHORE STATE	OCS[12]	TOTAL
1975	3,311,620,847	519,686,887	3,332,169,057	7,163,476,791
1976	3,039,296,624	523,207,556	3,499,865,900	7,062,370,080
1977	2,872,246,257	495,831,330	3,647,513,674	7,015,591,261
1978	2,664,729,746	499,536,520	4,149,731,136	7,313,997,402
1979	2,548,925,441	486,517,478	4,158,521,710	7,193,964,629
1980	2,347,535,416	416,970,904	4,013,707,434	6,778,213,754
1981	2,227,921,833	382,343,206	4,106,494,590	6,716,759,628
1982	1,952,381,800	366,786,207	3,803,740,050	6,122,908,056
1983	1,720,324,517	327,867,480	3,173,892,354	5,222,084,351
1984	1,813,189,350	324,376,486	3,578,740,570	5,716,306,405
1985	1,659,300,915	259,172,205	3,116,884,490	5,035,357,610
1986	1,636,780,437	254,824,829	2,927,832,264	4,819,437,530
1987	1,558,482,146	235,533,381	3,180,107,195	4,974,122,722
1988	1,588,351,461	220,427,212	3,096,881,628	4,905,660,302
1989	1,552,350,272	208,995,087	3,006,576,061	4,767,921,420
1990	1,526,375,388	182,241,160	3,706,324,044	5,414,940,592
1991	1,536,486,315	153,601,393	3,289,968,602	4,980,056,311
1992	1,520,358,242	149,550,553	3,338,101,447	5,008,010,242
1993	1,488,261,446	157,011,151	3,386,808,653	5,032,081,250
1994	1,422,067,095	160,253,733	3,492,406,762	5,074,727,590
January	118,087,174	13,763,115	326,917,522[R]	458,767,812[R]
February	107,571,611	12,200,396	267,301,713[R]	387,073,720[R]
March	117,699,493	14,037,659	315,718,344[R]	447,455,495[R]
April	117,830,235	13,040,251	310,821,616[R]	441,692,102[R]
May	121,414,715	13,716,615	317,725,092[R]	452,856,422[R]
June	116,513,156	12,881,577	300,962,362[R]	430,357,095[R]
July	119,801,223	14,403,396	324,514,701[R]	458,719,320[R]
August	121,041,918	15,005,359	293,024,568[R]	429,071,844[R]
September	117,190,262	14,775,356	292,227,920[R]	424,193,539[R]
October	118,889,676	15,295,627	273,155,168[R]	407,340,471[R]
November	116,359,499	14,749,936	294,527,169[R]	425,636,605[R]
December	118,524,547[R]	15,110,565[R]	319,171,821[R]	452,806,932[R]
1995 Total	**1,410,923,508[R]**	**168,979,854[R]**	**3,636,067,997[R]**	**5,215,971,359[R]**
January	119,203,696	15,816,798	328,021,328[E]	463,041,822[E]
February	111,744,958	14,528,596	268,204,232[E]	394,477,785[E]
March	120,988,326	17,828,459	316,784,338[E]	455,601,123[E]
April	121,173,374	16,257,948	311,871,076[E]	449,302,397[E]
May	125,197,191	15,449,896	318,797,861[E]	459,444,948[E]
June	120,790,003	15,758,747	301,978,533[E]	438,527,284[E]
July	124,160,498	15,907,773	325,610,394[E]	465,678,665[E]
August	125,705,333	15,371,343	294,013,937[E]	435,090,613[E]
September	123,023,434[E]	15,695,016[E]	293,214,600[E]	431,933,050[E]
October	123,393,446[E]	15,582,429[E]	274,077,451[E]	413,053,327[E]
November	123,032,698[E]	15,608,936[E]	295,521,613[E]	434,163,246[E]
December	123,481,236[E]	15,578,974[E]	320,249,475[E]	459,309,685[E]
1996 Total	**1,461,894,193[E]**	**189,384,915[E]**	**3,648,344,838[E]**	**5,299,623,946[E]**

NOTE: The 1996 Federal OCS production is estimated from the marketed production.

See Table 10 for corresponding volumes at 15.025 psia.

[R]Revised

[E]Estimated

See footnotes in Appendix A.

LOUISIANA NATURAL GAS AND CASINGHEAD GAS PRODUCTION
(Billion Cubic Feet (BCF), at 14.73 psia and 60 degrees Fahrenheit)*

	MARKETED				EXTRACTION
DATE	STATE	OCS	TOTAL[3]	LOSS[3]	DRY[3]
1975	3,422	3,669	7,091	190	6,901
1976	3,196	3,811	7,007	173	6,834
1977	2,989	4,226	7,215	166	7,049
1978	2,788	4,689	7,476	162	7,315
1979	2,685	4,581	7,266	166	7,101
1980	2,439	4,200	6,639	142	6,497
1981	2,264	4,517	6,780	142	6,638
1982	2,013	4,159	6,172	129	6,043
1983	1,757	3,575	5,332	124	5,208
1984	1,872	3,953	5,825	133	5,693
1985	1,689	3,325	5,014	118	4,896
1986	1,658	3,238	4,895	116	4,780
1987	1,575	3,548	5,123	125	4,998
1988	1,697	3,483	5,180	120	5,060
1989	1,652	3,426	5,078	121	4,957
1990	1,629	3,613	5,242	119	5,123
1991	1,575	3,459	5,034	129	4,905
1992	1,691	3,223	4,914	133	4,782
1993	1,631	3,360	4,991	130	4,861
1994	1,580	3,590	5,170	129	5,041
January	124	325[R]	449[R]		
February	131	265[R]	396[R]		
March	120	313[R]	434[R]		
April	120	309[R]	428[R]		
May	133	315[R]	448[R]		
June	130	299[R]	428[R]		
July	117	322[R]	439[R]		
August	132	291[R]	422[R]		
September	133	290[R]	423[R]		
October	123	271[R]	394[R]		
November	115	292[R]	407[R]		
December	123	317[R]	440[R]		
1995 Total	**1,501**	**3,608[R]**	**5,108[R]**	**146**	**4,962**
January	136	321	458		
February	107	321	427		
March	127	322	449		
April	122	314	436		
May	126	326	452		
June	134	304	438		
July	130	331	461		
August	114	345	459		
September	140	308	448		
October	127	308	436		
November	133	338	470		
December	122	373	495		
1996 Total	**1,517**	**3,911**	**5,428**		

See Table 11 for corresponding volumes at 15.025 psia.

[R]Revised

See footnotes in Appendix A.

UNITED STATES OCS GAS PRODUCTION[12]
Natural Gas and Casinghead Gas
(Thousand Cubic Feet (MCF), at 14.73 psia and 60 degrees Fahrenheit)*

YEAR	LOUISIANA	TEXAS	CALIFORNIA	TOTAL
Prior	19,881,055	0	0	19,881,055
1954	56,325,083	0	0	56,325,083
1955	81,279,042	0	0	81,279,042
1956	82,892,538	0	0	82,892,538
1957	82,568,807	4,797	0	82,573,604
1958	127,692,848	0	0	127,692,848
1959	207,156,296	0	0	207,156,296
1960	273,034,451	0	0	273,034,451
1961	318,280,095	0	0	318,280,095
1962	451,952,659	0	0	451,952,659
1963	564,352,606	0	0	564,352,606
1964	621,731,438	0	0	621,731,438
1965	645,589,469	0	0	645,589,469
1966	965,387,849	42,059,386	0	1,007,447,235
1967	1,087,262,804	99,952,946	0	1,187,215,750
1968	1,413,467,606	109,910,787	799,685	1,524,178,078
1969	1,822,544,142	127,096,982	4,845,851	1,954,486,975
1970	2,273,147,040	133,300,404	12,229,147	2,418,676,591
1971	2,634,014,031	127,357,908	15,671,479	2,777,043,418
1972	2,881,364,733	147,156,459	10,033,581	3,038,554,773
1973	3,055,628,236	148,673,637	7,286,549	3,211,588,422
1974	3,349,170,864	159,979,401	5,573,642	3,514,723,907
1975	3,332,169,057	122,572,764	3,951,633	3,458,693,454
1976	3,499,865,900	92,582,425	3,475,201	3,595,923,526
1977	3,647,513,674	86,943,285	3,289,963	3,737,746,922
1978	4,149,731,136	231,857,450	3,472,292	4,385,060,878
1979	4,158,521,710	511,590,607	2,866,822	4,672,979,139
1980	4,013,707,434	624,642,526	3,107,023	4,641,456,983
1981	4,106,494,590	730,275,831	12,766,307	4,849,536,728
1982	3,803,740,050	858,020,298	17,750,924	4,679,511,272
1983	3,173,892,354	850,817,211	16,024,292	4,040,733,857
1984	3,578,740,570	931,293,582	27,806,899	4,537,841,051
1985	3,116,884,490	834,926,523	49,164,213	4,000,975,226
1986	2,927,832,264	978,370,552	42,689,021	3,948,891,837
1987	3,180,107,195	1,204,488,337	40,986,158	4,425,581,690
1988	3,096,881,628	1,178,422,561	34,570,638	4,309,874,827
1989	3,006,576,061	1,165,112,953	28,574,912	4,200,263,926
1990	3,706,324,044	1,348,075,361	38,531,764	5,092,931,169
1991	3,289,968,602	1,184,936,494	40,626,577	4,515,531,673
1992	3,338,101,447	1,239,389,547	40,873,660	4,685,644,725
1993	3,386,808,653	1,027,937,755	42,082,090	4,533,389,731
1994	3,492,406,762	1,014,204,135	41,679,064	4,657,017,829
1995	3,636,067,997	908,520,050	36,425,501	4,692,270,825

*See Table 12 for corresponding volumes at 15.025 psia.

See footnotes in Appendix A.

UNITED STATES NATURAL GAS AND CASINGHEAD PRODUCTION[3]
(Billion Cubic Feet (BCF), at 14.73 psia and 60 degrees Fahrenheit)*

DATE	GROSS	SEPARATION	WET AFTER LEASE MARKETED	DRY	IMPORTS
1975	21,104	20,243	20,109	19,236	953
1975	21,104	20,243	20,109	19,236	953
1976	20,944	20,084	19,952	19,098	964
1977	21,097	20,162	20,025	19,163	1,011
1978	21,309	20,127	19,974	19,122	966
1979	21,883	20,638	20,471	19,663	1,253
1980	21,870	20,305	20,180	19,403	985
1981	21,587	20,054	19,956	19,181	904
1982	20,272	18,675	18,582	17,820	933
1983	18,659	16,979	16,884	16,094	918
1984	20,267	18,412	18,304	17,466	843
1985	19,607	17,365	17,270	16,454	950
1986	19,131	16,956	16,859	16,059	750
1987	20,140	17,557	17,433	16,621	993
1988	20,999	18,061	17,918	17,103	1,294
1989	21,074	18,237	18,095	17,311	1,382
1990	21,523	18,744	18,594	17,810	1,532
1991	21,750	18,702	18,532	17,698	1,773
1992	22,132	18,879	18,712	17,840	2,138
1993	22,725	19,209	18,982	18,095	2,350
1994	23,581[R]	19,864[R]	19,710[R]	18,821[R]	2,624[R]
January	2,043[R]	1,698[R]	1,677[R]	1,599[R]	253[R]
February	1,822[R]	1,515[R]	1,495[R]	1,426[R]	236[R]
March	2,026[R]	1,680[R]	1,660[R]	1,582[R]	250[R]
April	1,945[R]	1,625[R]	1,604[R]	1,530[R]	232[R]
May	1,997[R]	1,673[R]	1,649[R]	1,572[R]	228[R]
June	1,910[R]	1,615[R]	1,587[R]	1,513[R]	217[R]
July	1,960[R]	1,665[R]	1,639[R]	1,563[R]	223[R]
August	1,965[R]	1,650[R]	1,628[R]	1,552[R]	237[R]
September	1,914[R]	1,606[R]	1,581[R]	1,507[R]	228[R]
October	1,988[R]	1,635[R]	1,610[R]	1,535[R]	236[R]
November	2,045[R]	1,681[R]	1,657[R]	1,580[R]	236[R]
December	2,128[R]	1,745[R]	1,719[R]	1,639[R]	264[R]
1995 Total	**23,743[R]**	**19,788[R]**	**19,506[R]**	**18,598[R]**	**2,841[R]**
January	2,093	1,725	1,700	1,621	251
February	1,955	1,616	1,593	1,518	228
March	2,064	1,706	1,684	1,605	224
April	2,012	1,676	1,653	1,576	219
May	2,001	1,687	1,665	1,588	243
June	1,954	1,635	1,616	1,541	224
July	2,009	1,690	1,668	1,590	235
August	2,021	1,691	1,669	1,591	239
September	2,967	1,636	1,615	1,540	236
October	2,028	1,675	1,654	1,577	249
November	2,041	1,694	1,673	1,595	250
December	2,140	1,779	1,757	1,675	270
1996 Total	**25,285**	**20,210**	**19,947**	**19,017**	**2,868**

*See Table 13 for corresponding volumes at 15.025 psia.

See footnotes in Appendix A.

[R]Revised

APPENDIX E

Section 8(g) Revenues from Louisiana's Outer Continental Shelf

Royalty revenues from federal offshore leases on the Outer Continental Shelf (OCS) are distributed to the Land and Water Conservation Fund, the Historic Preservation Fund, and the General Fund of the U.S. Treasury. Transfers are made in each fiscal year from OCS royalties, rentals and bonuses in order to maintain the Land and Water Conservation Fund's annual authorization of $900 million. Annually, $150 million is put into the Historic Preservation Fund. The balance of offshore revenue receipts is directed to the General Fund of the U.S. Treasury.

Section 8(g) of the Outer Continental Shelf Lands Act Amendments of 1978 provided that the states were to receive a "fair and equitable" division of revenues generated from the leasing of lands within 3 miles of the seaward boundary of a coastal state that contains one or more oil and gas pools or fields underlying both the OCS and lands subject to the jurisdiction of the state. The states and the federal government, however, were unable to reach agreement concerning the meaning of the term "fair and equitable". Revenues generated in the 3-mile boundary were subsequently placed into an escrow fund in August 1979.

Congress resolved the dispute over the meaning of "fair and equitable" in the Outer Continental Shelf Lands Act Amendments of 1985, Public Law 99-272. The law provided for the following distribution of revenues to the states under section 8(g):

Escrow funds disbursed in FY 1986-87;

A series of annual settlement payments to be disbursed to the states over a 15-year period from FY 1987-2001; and

Recurring annual disbursement of 27 percent of royalty, rental, and bonus revenues received within each affected state's 8(g) zone.

Louisiana received $589 million in 1987 from the escrow funds and expects to receive $2.52 million per year as the annual escrow settlement payments from 1987 through 2001.

Louisiana did not receive any shared revenue from OCS production prior to 1986.

*See Table 27 for revenue figures from Louisiana's 8(g) zone.

APPENDIX F

1996 LOUISIANA ENERGY TOPICS

LOUISIANA CRUDE OIL REFINERIES INCREASE CAPACITY IN 1996

by Billy P. Ramagost, P.E.

U. S. refineries are merging with foreign refineries to form joint venture companies to improve operations and financial performance. Growth for refined products was slow and refinery margins were low in 1996. Forming joint ventures allows companies to spread risk and foreign companies are guaranteed an outlet for their oil. Louisiana refineries have invested in improvements that allow them to handle a wide variety of crude oils produced in foreign countries.

Since June 1996, the total crude operating capacity of Louisiana refineries increased 10,100 barrels per calendar day (bcd). Three of Louisiana's twenty refineries that were operating as of November 30, 1996, increased their capacity. For the twelve month period ending June 30, 1996, total Louisiana refinery operating rates decreased slightly from 91.6% to 91.2%. Total operating capacity increased from 2,410,341 bcd to 2,524,300 bcd, or about 4.7%. While there were some changes in the product mix of individual refineries, the overall mix remained about the same. The trend to less mid-grade gasoline production continued into its sixth year. Crude capacity, operating rates, and product slates for each operating refinery is shown in the table on the back of this sheet.

Of the twenty refineries that operated during the year ending June 30, 1996, seven produced reformulated gasoline (RFG) for sale in those markets where the EPA had mandated its use effective January 1, 1995. None of these areas are in Louisiana. RFG accounted for nearly 12.6% of all gasoline production by Louisiana refineries. However, RFG production came at the expense of the other grades as total gasoline production remained virtually the same as the previous twelve month period. Some refineries have increased while others have decreased RFG production but the net effect was a slight increase in RFG production. Some refineries felt that the market for RFG was too uncertain in that the EPA had granted waivers to certain areas allowing them to "opt out" of the program.

Since the beginning of the year through May, the monthly Gulf Coast Refinery Margin has been increasing. The margin was $ +0.47/ bbl in January and reached a maximum of $ +1.73/ bbl in March and decreased to $ +0.94/ bbl in May.

No refineries changed hands in the past twelve months. Arcadia's refinery at Lisbon was shut-in on January 1996. The 200,000 bcd TransAmerican refinery at Norco was in operation on a part time basis. Gold Line's 14,800 bcd refinery at Jennings should reopen in late 1996 or early 1997. Phibro Energy has changed its name and now is Basis Petroleum.

The above information was obtained from DNR's October 30, 1996, Louisiana Crude Oil Refinery Survey Report, which is now available. Other information in the report includes new projects, key personnel, mailing addresses, and geographical location descriptions. Tabulated statistical data, charts, and graphs relating to oil production, refinery crude oil sources, refinery margins, capacities, operating rates, and product slates are also contained in the report. New developments on the status of the non-operating refineries that are still intact are also presented.

TABLE 1

LOUISIANA OPERATING REFINERIES
CRUDE CAPACITY (Barrels / Calendar Day) AND PERCENT PRODUCT SLATE
October 1996 DNR Technology Assessment Division Survey

REFINERY NAME	OPERATING CAPACITY As of June 30,1996	IDLE CAPACITY	OPERATING RATE (%)	% OF TOTAL PRODUCT SLATE													
				GASOLINE				OTHER FUELS			ELLANEOUS			OTHER PRODUCTS			
				REG	MID-GRADE	PREM	ALL RFG	DIESEL	JET/ KERO	FUEL OIL	LPG's	NAPTH	COKE/ RESID	PRODUCT 1	PRODUCT 2	PRODUCT 3	ALL OTHER
Arcadia Refng & Mktg. / Lisbon Ref.	12,000	0	45.2	0.0	0.0	0.0	0.0	12.0	10.0	25.0	0.0	53.0	0.0	0.0	0.0	0.0	0.0
Atlas Processing Co. (Pennzoil)	46,200	0	72.9	11.4	2.1	1.1	0.0	15.8	19.0	0.0	0.0	5.4	7.3	19.9 Lubes/Motor Oil	7.7 Catfeed	2.0 Waxes	8.3
Basis Petroleum Inc. (Phibro Energy)	80,000	0	95.4	35.5	0.0	5.0	0.0	26.0	17.1	0.0	0.7	2.5	2.0	1.0 Catfeed	0.2 Lt.St. Run Gas	0.8 MTBE	0.2
B. P. Oil Co. / Alliance Refinery	250,000	0	99.9	34.0	0.0	14.0	0.0	26.0	15.0	2.0	2.0	0.0	2.0	5.0 Petrochemicals	0.0	0.0	0.0
Calcasieu Refining Company	13,300	0	96.9	0.0	0.0	0.0	0.0	33.5	22.1	0.0	4.7	17.7	0.0	22.0 Catfeed	0.0	0.0	0.0
Calumet Lubricants / Princeton Refinery	8,000	300	98.5	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	70.0 Lube Oil	20.0 Asphalt	0.0	0.0
Calumet Lubricants / Cotton Valley	8,900	0	65.8	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	50.0	0.0	27.0 Gas Oil	22.0 Light Straight Run	0.0	0.0
Canal Refining Co.	8,000	2,000	83.8	12.0	0.0	7.0	0.0	52.0	0.0	0.0	2.0	0.0	27.0	0.0	0.0	0.0	0.0
Citgo Petroleum Corp.	310,000	0	88.9	25.5	0.0	11.8	10.8	8.2	18.0	3.0	2.4	0.0	7.3	2.9 Petrochemicals	1.7 Lubes	0.0	8.4
Conoco Inc. / Lake Charles Refinery	195,500	0	90.5	17.0	0.0	7.0	9.0	30.0	11.0	2.0	3.0	4.0	10.0	6.0 Gas Oil	0.0	0.0	1.0
Exxon Co. U.S.A.	424,000	0	96.9	21.3	1.9	9.2	7.1	15.9	13.3	3.9	1.8	1.2	4.5	12.5 Exxon Chemicals	3.9 Internal Fuels	2.9 Lubes / Wax	0.6
Gold Line Refining, Ltd. / Lake Charles	17,500	2,500	63.6	0.0	0.0	0.0	19.9	37.0	0.0	0.0	1.3	25.3	0.0	18.5 Gas Oil	0.0	0.0	0.0
Marathon Oil Co.	255,000	0	82.7	43.3	0.0	9.2	0.0	0.0	1.8	30.6	5.0	0.7	9.1	0.3 Sulfur	0.0	0.0	0.0
Mobil Oil Corp. / Chalmette Refinery	191,000	0	79.1	16.0	0.0	9.9	11.8	8.3	11.2	11.4	5.7	1.5	8.7	6.6 Refinery Fuel	4.4 Aromatics	2.0 Gas Oil	0.5
Murphy Oil U.S.A. Inc. / Meraux Ref.	100,000	0	89.0	37.7	0.0	10.6	0.0	25.4	6.1	13.9	3.5	0.2	0.0	0.5 Gas Oil	0.1 Asphaltenes	0.0	0.0
Norco Refining Co. (Shell Oil Co.)	220,000	0	97.4	41.3	1.3	13.1	4.7	14.0	12.1	4.5	5.2	0.0	2.9	0.9 Catfeed	0.0	0.0	0.0
Placid Refining Co.	47,500	0	97.7	28.1	0.0	7.3	0.0	25.7	11.6	6.5	0.6	0.9	0.0	10.9 Subgrade	2.5 Gas Oil	3.0 Propylene	2.9
St. Rose Refinery, Inc. * (Shell Chemical)	32,400	7,600	89.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0 Light Ends	50.0 Heavy Ends	0.0	0.0
Star Enterprise	225,000	0	96.9	34.5	1.0	1.7	7.4	23.3	11.8	12.5	2.5	0.0	0.0	1.0 Sulfur	0.0	0.1 MTBE	4.2
Trans. American Refining Corp. **	100,000	100,000	41.1	0.0	0.0	0.0	0.0	0.0	0.0	35.0	0.0	0.0	0.0	0.0 Sulfur	65.0 Gas Oil	0.0 MTBE	0.0
WEIGHTED STATE AVERAGE (%)			91.2	28.3	0.6	9.1	5.5	16.6	12.0	7.6	3.2	1.4	4.8	6.2	2.2	0.8	1.9
TOTAL LA OPERATING CAPACITY	2,524,300	112,400															

Note : All data are for the twelve month period ending June 30, 1996. It may differ slightly from data reported elsewhere for a different time frame.
Operating rates are computed by dividing the daily average crude input by the operating capacity provided by survey respondents.

* St. Rose Refinery makes Light and Heavy components which are used as feedstock to Shell's Olefins Units to produce Ethylene and Propylene for use in their chemical plant.
** Transamerican Refining Data was not used to calculate Operating Rate and Weighted Average Percent of product slate because of limited use of the refinery throughout the year.

CARMOUCHE HEADS OFFICE OF CONSERVATION

Governor Mike Foster and Natural Resources Secretary Jack Caldwell have appointed George Carmouche as Commissioner of the Department of Natural Resources' Office of Conservation.

Carmouche has spent the last six years as an attorney with the Louisiana Senate and has been influential in settling conflicts between the public and private sectors. Most recently he was assigned to the Senate Natural Resources Committee where he prepared legislation dealing with the oil and gas industry, wetlands issues, and coastal land management. In 1992, he prepared a Senate legislative package on incentives to revitalize Louisiana's oil and gas industry and was instrumental in the creation of the Louisiana Natural Gas Marketing Commission.

From 1988-1990, Carmouche was a General Manager with Southern Agronomics, Ltd. in the West Indies. Before that, he worked as an attorney in private practice specializing in Tort law, Business law, and Family law. He has also worked as a Sheriff's Deputy in Orleans Parish and a General Manager for Electrical Distributors, Inc., in Lake Charles.

Secretary Caldwell said, "In recent years the legislature has greatly expanded the duties of the Office of Conservation and the qualifications needed by the commissioner have changed accordingly. George Carmouche not only has experience in oil and gas law and conservation, but also has the strong business management background so important to the office today."

Commissioner Carmouche has noted that his priorities in the months ahead include a complete review of all rules and regulations of the office and a review of all office forms. Information technology and computer updating will continue to enhance productivity in the office, Carmouche said. Preventing redundancy and duplication of efforts and expediting office efficiency is a most important goal, Carmouche reported.

He is a graduate of Assumption High School in Napoleonville. Carmouche attended McNeese State University and received his Louisiana Juris Doctor in 1974 from Loyola Law School.

JIM WELSH NAMED ASSISTANT COMMISSIONER OF CONSERVATION

Department of Natural Resources Secretary Jack Caldwell has promoted James H. Welsh to the position of Assistant Commissioner of the Office of Conservation. Welsh formerly directed the Injection and Mining Division of the department since 1983.

DNR's Conservation Commissioner George Carmouche said that he is eager to work with Welsh, who has a very broad and diverse knowledge of the conservation office and its functions. Carmouche noted that Welsh has thirty-one years of service to the Office of Conservation. His work has included directing and managing underground injection activities, commercial disposal of nonhazardous oilfield waste, underground storage of hydrocarbons in salt domes, and lignite surface mining and reclamation operations for the state.

Welsh is a certified professional geologist. He began his career service in 1965, in the Louisiana Geological Survey. In 1972, he was promoted within the Office of Conservation, working primarily in petroleum unitization matters of North Louisiana. As director of the office's Injection and Mining, Welsh has been responsible for major environmental programs.

He has been a liaison with the state legislature for over ten years on matters of oil and gas legislation. Welsh was the key editor of 1986 legislation concerning pit regulations in the state known as Statewide Order 29-B. Welsh also developed national hazardous waste injection well regulations as a member of a federal negotiating task force.

Welsh currently serves on Louisiana's Ground Water Advisory Group and the state's NORM Advisory Group. He is a native of Laurel, Mississippi.

He and his wife, Veronica, live in Baton Rouge.

SELECTED LOUISIANA ENERGY STATISTICS

Among the 50 states, Louisiana's rankings (in 1996 unless otherwise indicated) were:

PRIMARY ENERGY PRODUCTION
(Including Louisiana OCS)

- 2ND in total energy
- 2ND in natural gas
- 3RD in crude oil

PRIMARY ENERGY PRODUCTION
(Excluding Louisiana OCS)

- 3RD in natural gas
- 4TH in crude oil
- 4TH in total energy

REFINING AND PETROCHEMICALS

- 2ND in refining capacity
- 2ND in primary petrochemical production

ENERGY CONSUMPTION (1995)

- 2ND in industrial energy
- 2ND in per capita energy
- 3RD in natural gas
- 4TH in petroleum
- 6TH in total energy
- 22ND in residential energy

PRODUCTION

State controlled (i.e., excluding OCS) natural gas production peaked at 5.6 TCF per year in 1970, declined to 1.5 TCF in 1995, and rebounded to 1.6 TCF in 1996; a 4.5% increase over 1995.

State controlled gas production is on a long term decline rate of 4.2% per year, though the current short term (1997-2001) forecast decline is around 3.4% per year.

State controlled crude oil and condensate production peaked at 566 million barrels per year in 1970, declined to 125 million barrels in 1995, and recovered to 134 million barrels in 1996.

State controlled crude oil production is on a long term decline rate of 4.4% per year, though the current short term (1997-2001) forecast decline is around 3.9% per year. If oil stays around $19.00 per barrel, the decline will remain as predicted. If the price goes above $20.00 per barrel, the decline rate may be lower.

Louisiana OCS (federal) territory is the most extensively developed and matured OCS territory in the U.S.

Louisiana OCS territory has produced 89.6% of the 10.6 billion barrels of crude oil and condensate and 83.6% of the 116 TCF of natural gas extracted from all federal OCS territories from the beginning of time through the end of 1995.

Louisiana OCS gas production peaked at 4.2 TCF per year in 1979, declined to 3.0 TCF in 1989, and rose to 3.6 TCF in 1995.

Louisiana OCS crude oil and condensate production peaked at 388 million barrels per year in 1972, declined to 246 million barrels in 1989, and rose to 320 million barrels in 1995.

REVENUE

At their peak in Fiscal Year (FY) 1981/82, oil and gas revenues from severance, royalties and bonuses amounted to $1.6 billion, or 41% of total state taxes, licenses, and fees. For FY 1996/97, these revenues are estimated to be in the vicinity of $675 million or about 11.8% of total estimated taxes, licenses and fees.

At constant production, the State Treasury gains or loses about $20 million of direct revenue from oil severance taxes and royalty payments for every $1 per barrel change in oil prices. This figure rises to $30 to $40 million per dollar change when indirect revenue impacts are included (e.g., income tax, sales tax, etc.).

DRILLING ACTIVITY

Drilling permits issued on state controlled territory peaked at 7631 permits in 1984 and declined to a low of 1065 permits in 1995. During 1996, 1381 drilling permits were issued.

The average active rotary rig count for Louisiana, excluding OCS, reached a high of 386 rigs in 1981, and had fallen 75% to 96 rigs in 1996. The previous low was 64 rigs in 1993.

The average active rotary rig count for Louisiana OCS reached a peak of 75 rigs in 1979 and had fallen 16% to 63 rigs in 1996, which is up from 58 rigs in 1995 and 48 rigs in 1994.

Note: Louisiana OCS or Outer Continental Shelf is federal offshore territory adjacent to Louisiana's coast beyond the three mile limit of the state's offshore boundary.

TCF = trillion cubic feet

NICE³ GRANT APPLICATIONS AVAILABLE THROUGH STATE ENERGY OFFICE

Going once, twice, three times— NICE³ funds are now available to business and industry through the state Department of Natural Resources (DNR). NICE³ is a cost-sharing grant program that promotes industrial competitiveness through energy, environment, and economics.

DNR's energy program manager Paul Villemarette said the NICE³ grant program stimulates and encourages industry to take new and original measures to reduce waste and decrease energy consumption at their operational sites. Industrial firms and the state become partners on projects that develop and demonstrate advances in energy efficiency and clean production technologies, Villemarette said. To receive financial assistance in energy conservation and pollution-reduction processes, applications must be made to DNR's Technology Assessment/Energy Section, he said.

Grant recipients are eligible for up to $400,000 for proposed projects or a 45 percent cost match of the total project cost for up to three years. Funding is provided by the U.S. Department of Energy through the state's energy office.

The NICE³ program solicitation period opens August 1 and will close December 10, 1997. Potential proposers should submit a two-page summary of the features and outline of their proposal by July 1.

Interested companies seeking more information on the program or an application for the NICE³ grant should contact Paul Villemarette at (504) 342-8573.

Originally Published in October 1996 Louisiana Energy Facts

MEET DNR'S TECHNOLOGY AND ENERGY PROFESSIONALS

by Cutler Andrus

T. Michael French is the director of the Technology Assessment Division, and is the principal technical advisor to the DNR Secretary on energy policy. He is a graduate of Louisiana Tech University with a master's degree in chemical engineering. He has served 16 years with the department and seven years in his present position. French enjoys camping, canoeing, photography, and is a Boy Scout Master.

The Technology Assessment division produces a wide range of technical data, analyses, assessments and forecasts. The division also responds to request by the state legislature, Governor's Office, Congressional delegation, federal government, and industry on the effects of changes or potential change in energy and natural resources supply, demand, utilization, technology and taxation.

Some of the specific activities of the Technology Assessment office include:

- Forecasts state oil and gas production, depletion and revenue, including long and short term reserves.
- Performs engineering analysis on energy and natural resources issues pertaining to proposed legislation. Evaluates economic and policy considerations on royalties, severance taxes, and other tax issues.
- Investigates critical policy issues for the Secretary of Natural Resources. These include issues that require short turnaround and have not been addressed before, as well as extensive longer term projects of a technical engineering or economic nature.
- Analyzes diverse subjects and issue areas dealing with the technology of petroleum refining, natural gas processing, drilling activities, oil and gas production, compressed natural gas vehicle fuel, electric power generation, electrical generation, alternate fuels, petrochemicals, and hydrocarbon fuel and feedstock use.
- Develops and distributes technical information and reports for key decision makers and the public. Publishes data on Louisiana energy development and production. Issues reports on generation, refining, and other energy topics of specific interest to Louisiana.

The Engineering & Economic Evaluation staff include: Senior Energy Engineer B. Scott Wehner, Senior Energy Engineer Billy Ramagost, Program Manager/Senior Analyst Manuel Lam, Assistant Director William J. Delmar, Jr., SEP/ICP Engineer Paul Villemarette, Administrative Secretary Phyllis Ortego.

1996 National Awareness Theme: What's Energy Got To Do With It?

DNR's Energy Section Supervisor Paula Ridgeway leads the department's Energy section. This office is designated as the official State Energy Office of Louisiana. This means the section is responsible for coordinating all federal programs and legislation related to energy conservation, energy standards, and energy alternatives. Ridgeway's section currently maintains and manages two grants from the U.S. Department of Energy. Ridgeway has worked for DNR for 14 years and has held her current position for one year. A native of Alexandria, she enjoys camping and biking during her spare time.

The Institutional Conservation Program (ICP) grant provides funding to public institutions to implement building and equipment retrofits that will produce savings on energy consumption for those institutions over a period of time. From this grant, there are six active contracts totaling $1,829,021 that is expected to produce an energy savings of 0.095 trillion BTU/year.

The State Energy Conservation Program (SECP) promotes energy conservation and efficiency. In addition, Petroleum Violation Escrow funds are administered under SECP. From this grant, there are 26 active contracts totaling $17,216,853. Although most of the energy savings from these contracts are indirect, over 3.2 trillion BTU/year are saved.

The SECP grant partially funds the Energy Rated Homes of Louisiana program that promotes energy efficiency in the residential sector. Under this program, home buyers can qualify for special mortgages called Energy Efficient Mortgages. Home buyers would then qualify for larger mortgages or additional monies to make cost-effective energy improvements at the time of purchase.

The Energy Section staff include: Program Supervisor Wade Byrd, Program Specialist Harvey Landry, Natural Resources Specialist Ernest Singleton, Program Manager Allen Henderson, Engineering Supervisor John Tessier, Program Manager Anthony Cross, Program Manager Tangular Williams, Administrative Secretary Norma Jarreau.

Energy information is easily accessible through the Internet. The sites found in this listing include: lesson plans for teachers, activities, background information, and technical data. We invite you to enjoy an Internet excursion at any of the sites listed below.

DNR's Home Page
http://www.dnr.state.la.us/

DNR's Energy Section
http://www.dnr.state.la.us/energy.htm

LEERIC's HomePage
http://www.leeric.lsu.edu

The Education Station: Lesson Plans
http://www.digicity.com/planless.htm

Lesson Plans & Resources for Teachers
http://www.remc4.k12.mi.us/muskegon/lessons.htm

Energy Activities
http://sln.fi.edu/tfi/activity/energy/

Science Safari: Energy Resources
http://www.eecs.umich.edu/~coalitn/sciedoutreach/fundexperiments/agesubject/lessons/energy.html

Fusion: Physics of a Fundamental Energy Source
http://FusEdWeb.pppl.gov/CPEP/Chart.html

AskEric: Energy Lesson Plans
gopher://ericir.syr.edu:70/77/Lesson/.lesson/lessons?energy

Measuring the Angle of Incoming Energy
gopher://131.247.120.10:70/00%5Ctnt%5Clessons%5Clp006.txt

Energy Access Gateway
http://www.energy.ca.gov/energy/cgi-bin/wwwwais.cgi

Q & A's about Nuclear Energy
http://nova.nuc.umr.edu/~ans/QA.html

Wrappin' Ducts
http://ecep1.usl.edu/ecep/hvac/f/f.htm

Sounds Like Science: Guitars
http://www.etc.bc.ca/apase/unmixed/una5.html

Frank Potter's Science Gems: Engineering
http://www-sci.lib.uci.edu/SEP/engineer.html

Humor: 'Itricity
http://zeta.cs.adfa.oz.au/KeelyNet/Humor/Itricity.asc.html

Edmund's Automobile Buyers Advice
http://www.edmunds.com/#Advice

Waste Management Institute
http://www.cfe.cornell.edu/wmi/wmihome.html

Static Electricity
http://physics.mtsu.edu/~plee/SCI_OUTREACH/statEI

Let's Make Waves
http://www.hmco.com/hmco/school/rdg/gen_act/ocean/wave.html

Energy Quest
http://www.energy.ca.gov/energy/education/eduhome.html

- Excerpt from The Egret's Watch
Vol. 4, No. 4, Fall 1996.

Originally Published in November 1996 Louisiana Energy Facts

LOUISIANA AN ENERGY CONSUMING STATE A CURRENT UPDATE

by William J. Delmar, Jr., P.E.

Louisiana remains one of the leading oil and gas producing states in the country. It ranks sixth in overall energy consumption and second in energy use per capita. The high energy use per capita comes from a high industrial use of energy, and an above average transportation sector use, coupled with a moderate population size.

Statistics on Louisiana energy consumption are produced by the U.S. Department of Energy (DOE). The data normally becomes available long after the consuming period has passed. This year, the 1994 data, is no exception. What is notable is there has been an attempt by DOE to split out and quantify some types of renewable alternative fuel sources such as biofuels and hydropower.

Louisiana consumes 884.3 million BTUs per capita to achieve the ranking of second in energy use per capita. The United States average is 341.0 million BTUs. Louisiana ranks behind only Alaska in per capita energy use and just slightly above Wyoming. Alaska uses 1,050.8 million BTUs per capita by way of comparison.

Louisiana ranks second in industrial energy use and eleventh in transportation energy use. Louisiana also ranks second in the United States in LPG consumption, far behind Texas.

Most of these figures reflect the large refining, chemical and petrochemical industry infrastructure in the state. This energy is used in the manufacture of refined petroleum products and chemical intermediates such as ethylene or propylene, or to produce and deliver crude oil and natural gas throughout the country. Ultimately, this energy is consumed in other areas of the United States.

Much of the natural gas energy consumed in the state is shipped elsewhere in the form of nitrogen fertilizers; ammonia, urea and ammonium nitrate. All of these originate from the use of natural gas as a fuel and a raw material. The energy consumed in Louisiana to manufacture these products is actually energy that does not show in the consumption figures of other states that ultimately use these products.

Oil and gas production and off shore reserves continue to be key assets in Louisiana's economy. However on true balance, Louisiana remains an energy consuming state.

LOUISIANA ENERGY PRODUCTION AND CONSUMPTION - 1994

ENERGY SOURCE	PRODUCTION		CONSUMPTION	NET STATE ENERGY PRODUCTION BY SOURCE	
				Excluding OCS	Including OCS
PETROLEUM	STATE OIL*	740.1 TBTU[1] (127.6 MMBBL)	1,554.2 TBTU[2] (296.672 MMBBL)	-814.1 TBTU	+789.6 TBTU
	LA. OCS OIL*	1,603.7 TBTU[3] (276.5 MMBBL)			
NATURAL GAS	STATE GAS**	1,601.0 TBTU[1] (1.535 TCF)	1,688.7 TBTU[2] (1.624 TCF)	-87.7 TBTU	+3,412.6 TBTU
	LA. OCS GAS**	3,500.3 TBTU[3] (3.356 TCF)			
COAL	LIGNITE	50.5 TBTU[2] (3.463 MMSTON)	230.8 TBTU[2] (14,100 MMSTON)	-180.3 TBTU	-180.3 TBTU
NUCLEAR ELECTRIC POWER		136.4 TBTU[2] (12.779 Billion KWH)	136.4 TBTU[2] (12.779 Billion KWH)	0.0 TBTU	0.0 TBTU
HYDROELECTRIC, BIOFUELS & OTHER		123.2 TBTU[2]	123.2 TBTU[2]	0.0 TBTU	0.0 TBTU
NET INTERSTATE PURCHASES OF ELECTRICITY INCLUDING ASSOCIATED LOSSES			84.5 TBTU[2] (24.772 Billion KWH)	-84.5 TBTU	-84.5 TBTU
		NET STATE ENERGY PRODUCTION ALL SOURCES		-11,166.6 TBTU	+3,937.4 TBTU

This balance indicates that in 1994, Louisiana was a net consumer of energy if OCS production was not credited to the state. Louisiana imported 11,166.6 TBTU more energy than it produced. In 1994, total energy production in Louisiana was 7,755.3 TBTU (2,651.2 TBTU if OCS is excluded), and consumption totaled 3,817.8 TBTU.

All units are in TBTU except where noted.

*Includes Condensate
**Includes Gas Plant Liquids

DEFICIT(-)/SURPLUS(+)
TCF = Trillion Cubic Feet
TBTU = Trillion BTUs
MMBBL = Million Barrels
OCS = Outer Continental Shelf (Federal)
KWH = Kilowatt hour
MMSTON = Million Short Tons

DATA SOURCES
[1]Louisiana Department of Natural Resources
[2]U.S. Department of Energy
[3]U.S. Department of the Interior