

LOUISIANA ENERGY FACTS ANNUAL

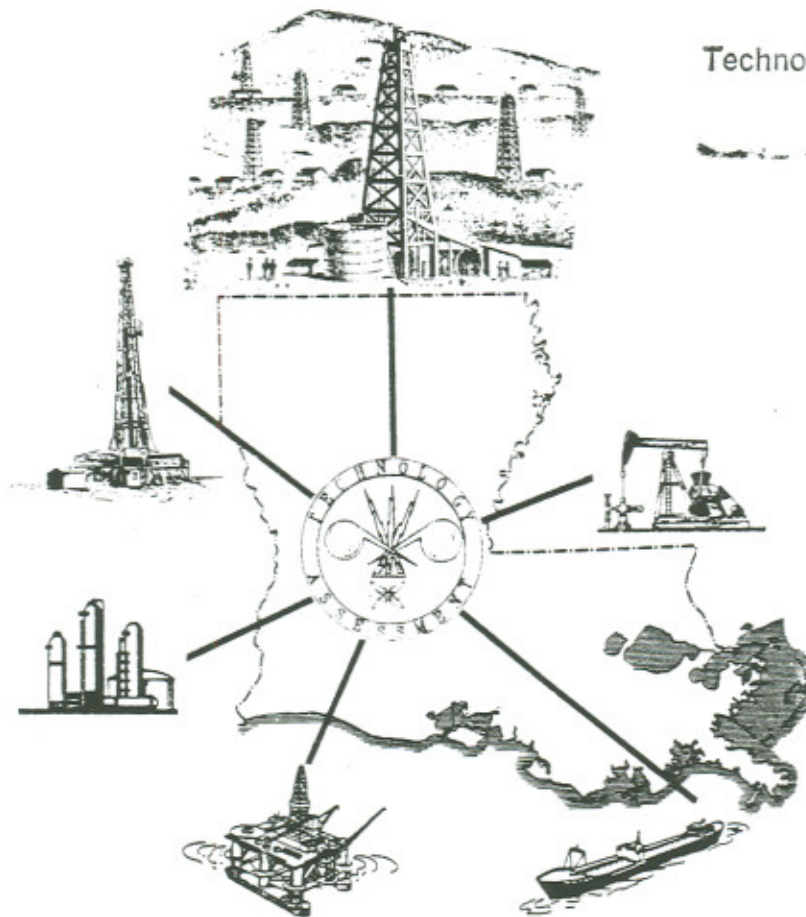
1988

Department of Natural Resources

Raymond W. Stephens, Jr.
Secretary of Natural Resources

ARCHIVE COPY
Technology Assessment Division

DNR



Technology Assessment Division
T. Michael French, Director
William Delmar Jr., Assistant Director
Manuel L. Lam, Editor
Phyllis S. Ortego, Assistant Editor

August 28, 1989

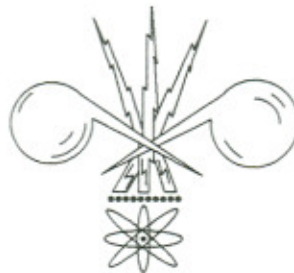
This public document was published at a total cost of \$175.89. 300 copies of this public document were published in this first printing at a total cost of \$95.64. The total cost of all printings of this document including reprints is \$175.89. This document was published by the Department of Natural 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

1988

Department of Natural Resources

**Raymond W. Stephens, Jr.
Secretary of Natural Resources**



**Technology Assessment Division
T. Michael French, Director
William J. Delmar Jr., Assistant Director
Manuel L. Lam, Editor
Phyllis S. Ortego, Assistant Editor**

August 28, 1989

TABLE OF CONTENTS

Table		Page
	Introduction	1
PRODUCTION		
1	Louisiana State Crude Oil Production	3
2	Louisiana State Condensate Production	4
3	Louisiana State Oil Production	5
4	Louisiana Crude Oil Production (State and OCS)	7
5	United States Oil Production and Imports	8
6	Louisiana State Natural Gas Production	9
7	Louisiana State Casinghead Gas Production	10
8	Louisiana State Dry Gas Production at 15.02 psia .	11
9	Louisiana State Dry Gas Production at 14.73 psia .	13
10	Louisiana Gas Production (State and OCS)	14
11	Marketed Natural Gas Production	15
12	United States Dry Gas Production and Imports	16
PRICES		
13	Louisiana Average Crude Oil Prices	18
14	United States Average Crude Oil Prices	19
15	Louisiana Average Natural Gas Prices	20
16	United States Average Natural Gas Prices	21
DRILLING		
17	Louisiana Oil and Gas Drilling Permits Issued	23
18	Louisiana Average Rigs Running	24
19	Louisiana Producing Crude Oil Wells	26
20	Louisiana Producing Natural Gas Wells	27
REVENUE		
21	Louisiana Mineral Royalty Revenue	28
22	Louisiana Mineral Severance Tax Revenue	29
23	Louisiana Mineral Bonuses, Rental and Royalty Override Revenue	30
RESERVES		
24	Louisiana Estimated Crude Oil Proved Reserves	32
25	Louisiana Estimated Dry Natural Gas Proved Reserves	32
26	Louisiana Estimated Lease Condensate Proved Reserves	33
27	Louisiana Estimated Natural Gas Liquids Proved Reserves	33
OTHERS		
28	Louisiana Nonagricultural Employment	35
29	Louisiana Well Completions by Type and by Region .	36
30	Louisiana Energy Consumption Estimated by Source .	38
APPENDIX		
	Data Sources	39
	Glossary	40
	Standard Abbreviations for State Names	43

LIST OF FIGURES

Figure		Page
	Subdivisions of Louisiana	2
1	Louisiana State Oil Production Actual and Forecasted	6
2	1988 United States Oil Production by State	6
3	Louisiana State Gas Production Actual and Forecasted	12
4	1988 United States Gas Production by State	12
5	Louisiana Oil Production and Price	17
6	Louisiana Gas Production and Price	17
7	Crude Oil Average Prices	22
8	Natural Gas Average Prices	22
9	Louisiana State Drilling Permits Issued	25
10	Louisiana Average Active Rigs	25
11	1988 United States Crude Oil Reserves	31
12	1988 United States Natural Gas Reserves	34
13	Louisiana Well Completions by Type	37
14	Louisiana Energy Consumption by Source	37

INTRODUCTION

Many of the recipients of this publication are also users of our monthly publication, the **Louisiana Energy Facts Sheet**. The **Energy Facts Annual-1988** contains all of the information and data of the monthly **Facts Sheets** issues of January through December of 1988. Once the **Annual** is issued each year, it will no longer be necessary to save the monthly issues from the previous calendar year. Data in the **Annual** is more current, as some preliminary data has been updated or revised since publication in the **Facts Sheets**.

Additionally, data coverage in the 1988 annual issue is somewhat extended - historical data is shown for a longer period of time; gas production data is expanded by the addition of marketed production, state natural gas production and casinghead gas production; oil production is expanded by the separation of state oil and condensate production; plots of U.S. oil and gas production by state are provided; plots are provided for gas and oil production versus price; reserves figures are added for gas condensate and gas plant liquids; and mineral revenue figures from royalties and severance are added.

Some librarians have recommended putting the year of the most recent data available in the publication's title line instead of the year in which it is published, as is the convention for annual reports. We implemented this suggestion; therefore, "1988" is back again on the title of this, the second edition of the **Annual**.

We hope you will find this **Annual** useful, and we welcome any comments you may have.

TABLE 1

LOUISIANA STATE CRUDE OIL PRODUCTION
Excluding Federal OCS
(Barrels)

<u>DATE</u>	<u>NORTH</u>	<u>SOUTH</u>	<u>OFFSHORE</u>	<u>TOTAL</u>
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	26,282,310	97,602,333	24,187,900	148,072,543
January	2,084,564	7,881,874	1,934,648	11,901,086
February	1,969,296	7,324,380	1,708,924	11,002,600
March	2,222,080	8,791,476	1,950,086	12,963,642
April	1,978,500	8,390,940	2,009,760	12,379,200
May	2,060,477	8,128,386	1,989,177	12,178,040
June	2,063,970	7,815,120	2,014,320	11,893,410
July	2,050,247	8,235,553	2,073,342	12,359,142
August	1,983,349	8,367,799	1,993,424	12,344,572
September	2,026,560	7,963,350	1,950,930	11,940,840
October	2,183,950	8,422,018	1,999,872	12,605,840
November	2,097,330	7,754,700	1,869,120	11,721,150
December	2,217,151	7,927,940	1,850,452	11,995,543
1987 TOTAL	24,937,474	97,003,536	23,344,055	145,285,065
January	1,961,618	7,632,169	1,975,506	11,569,293
February	1,997,259	7,191,768	1,913,942	11,102,969
March	2,090,733	7,693,177	2,060,229	11,844,139
April	1,972,470	7,417,830	1,945,710	11,336,010
May	2,016,333	7,693,704	2,121,206	11,831,243
June	1,937,010	7,369,770	1,908,330	11,215,110
July	2,005,049	7,503,116	2,003,902	11,512,067
August	2,015,558	7,661,092	1,910,623	11,587,273
September	1,936,590	6,911,640	1,485,420	10,333,650
October	1,994,602	7,342,722	1,921,566	11,258,890
November	1,906,860	7,092,480	1,807,170	10,806,510
December	1,946,304	7,126,807	1,844,159	10,917,270
1988 TOTAL	23,780,386	88,636,275	22,897,763	135,314,424

TABLE 2

LOUISIANA STATE CONDENSATE PRODUCTION
Excluding Federal OCS
(Barrels)

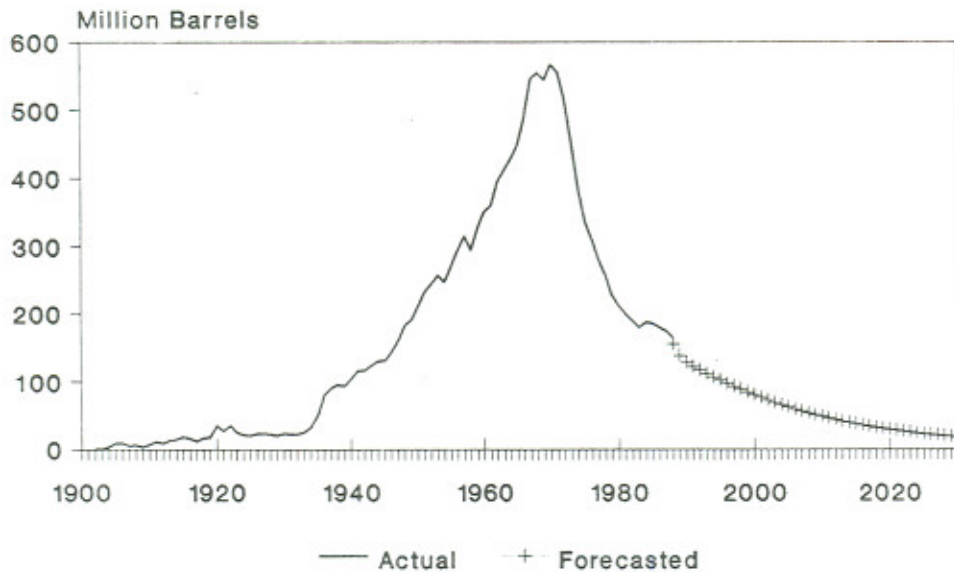
<u>DATE</u>	<u>NORTH</u>	<u>SOUTH</u>	<u>OFFSHORE</u>	<u>TOTAL</u>
1980	3,222,000	34,744,956	2,757,941	40,724,897
1981	4,371,074	35,181,456	2,348,549	41,901,079
1982	4,120,663	32,663,371	2,147,896	38,931,930
1983	3,598,850	27,638,588	1,996,504	33,233,942
1984	3,140,006	30,785,661	1,918,564	35,844,231
1985	2,668,233	29,260,762	1,721,098	33,650,093
1986	2,673,527	26,907,354	2,068,821	31,649,702
January	250,139	2,483,379	181,288	2,914,806
February	217,028	2,108,456	148,456	2,473,940
March	216,845	2,317,064	151,993	2,685,902
April	179,670	2,144,010	164,910	2,488,590
May	213,404	2,156,174	153,822	2,523,400
June	187,980	1,771,410	151,260	2,110,650
July	210,676	2,038,343	149,978	2,398,997
August	201,314	1,977,087	322,741	2,501,142
September	204,660	1,806,510	130,290	2,141,460
October	213,962	2,105,117	136,307	2,455,386
November	234,870	2,064,210	151,950	2,451,030
December	247,969	2,132,552	166,191	2,546,712
1987 TOTAL	2,578,517	25,104,312	2,009,186	29,692,015
January	257,548	2,389,821	151,342	2,798,711
February	245,891	2,050,793	147,755	2,444,439
March	250,387	2,197,311	171,306	2,619,004
April	215,970	2,147,130	136,050	2,499,150
May	221,464	2,092,593	138,167	2,452,224
June	212,670	1,779,150	134,070	2,125,890
July	190,557	1,857,613	139,593	2,187,763
August	209,653	2,323,450	127,906	2,661,009
September	224,760	1,863,720	118,560	2,207,040
October	232,283	1,903,121	135,532	2,270,936
November	224,190	2,255,190	142,350	2,621,730
December	242,420	2,315,793	160,735	2,718,948
1988 TOTAL	2,727,793	25,175,685	1,703,366	29,606,844

TABLE 3

LOUISIANA STATE OIL PRODUCTION
Crude Oil and Condensate
Excluding Federal OCS
(Barrels)

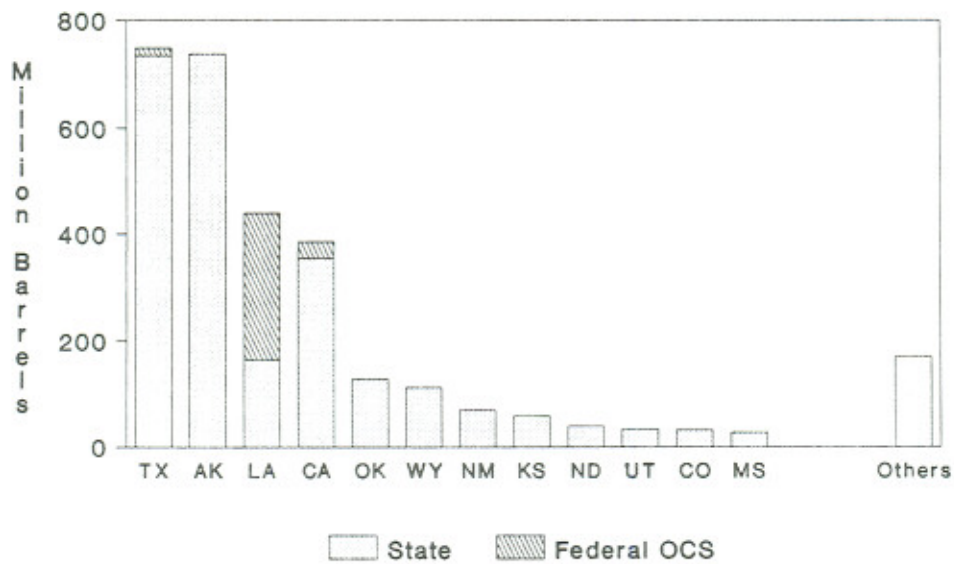
<u>DATE</u>	<u>NORTH</u>	<u>SOUTH</u>	<u>OFFSHORE</u>	<u>TOTAL</u>
1980	32,226,703	151,383,359	27,591,943	211,202,005
1981	35,108,058	138,466,404	26,273,437	199,847,899
1982	35,606,463	128,818,906	24,940,981	189,366,350
1983	33,430,581	121,375,615	24,802,772	179,608,968
1984	32,730,382	127,476,082	27,036,480	187,242,944
1985	32,104,784	126,883,275	26,013,271	185,001,330
1986	28,955,837	124,509,687	26,256,721	179,722,245
January	2,334,703	10,365,253	2,115,936	14,815,892
February	2,186,324	9,432,836	1,857,380	13,476,540
March	2,438,925	11,108,540	2,102,079	15,649,544
April	2,158,170	10,534,950	2,174,670	14,867,790
May	2,273,881	10,284,560	2,142,999	14,701,440
June	2,251,950	9,586,530	2,165,580	14,004,060
July	2,260,923	10,273,896	2,223,320	14,758,139
August	2,184,663	10,344,886	2,316,165	14,845,714
September	2,231,220	9,769,860	2,081,220	14,082,300
October	2,397,912	10,527,135	2,136,179	15,061,226
November	2,332,200	9,818,910	2,021,070	14,172,180
December	2,465,120	10,060,492	2,016,643	14,542,255
1987 TOTAL	27,515,991	122,107,848	25,353,241	174,977,080
January	2,219,166	10,021,990	2,126,848	14,368,004
February	2,243,150	9,242,561	2,061,697	13,547,408
March	2,341,120	9,890,488	2,231,535	14,463,143
April	2,188,440	9,564,960	2,081,760	13,835,160
May	2,237,797	9,786,297	2,259,373	14,283,467
June	2,149,680	9,148,920	2,042,400	13,341,000
July	2,195,606	9,360,729	2,143,495	13,699,830
August	2,225,211	9,984,542	2,038,529	14,248,282
September	2,161,350	8,775,360	1,603,980	12,540,690
October	2,226,885	9,245,843	2,057,098	13,529,826
November	2,131,050	9,347,670	1,949,520	13,428,240
December	2,188,724	9,442,600	2,004,894	13,636,218
1988 TOTAL	26,508,179	113,811,960	24,601,129	164,921,268

FIGURE 1
LOUISIANA STATE OIL PRODUCTION
ACTUAL AND FORECASTED THROUGH YEAR 2030



Federal OCS excluded
 Lease condensate included

FIGURE 2
1988 UNITED STATES OIL PRODUCTION
BY STATE



SOURCE: U.S. Department of Energy

TABLE 4

LOUISIANA OIL PRODUCTION
Crude Oil and Condensate
(Barrels)

DATE	ONSHORE	OFFSHORE		TOTAL
		STATE	FEDERAL OCS ³	
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	153,465,524	26,256,721	340,152,276	519,874,521
January	12,699,956	2,115,936	27,282,100	42,097,992
February	11,619,160	1,857,380	24,607,850	38,084,390
March	13,547,465	2,102,079	26,110,750	41,760,294
April	12,693,120	2,174,670	25,254,800	40,122,590
May	12,558,441	2,142,999	26,213,350	40,914,790
June	11,838,480	2,165,580	25,014,450	39,018,510
July	12,534,819	2,223,320	25,118,000	39,876,139
August	12,529,549	2,316,165	25,420,100	40,265,814
September	12,001,080	2,081,220	24,931,800	39,014,100
October	12,925,047	2,136,179	25,387,800	40,449,026
November	12,151,110	2,021,070	23,749,050	37,921,230
December	12,525,612	2,016,643	25,079,050	39,621,305
1987 TOTAL	149,623,839	25,353,241	304,169,100	479,146,180
January	12,241,156	2,126,848	24,663,900	39,031,904
February	11,485,711	2,061,697	22,387,700	35,935,108
March	12,231,608	2,231,535	24,529,000	38,992,143
April	11,753,400	2,081,760	23,147,700	36,982,860
May	12,024,094	2,259,373	24,352,300	38,635,767
June	11,298,600	2,042,400	23,321,550	36,662,550
July	11,556,335	2,143,495	23,422,250	37,122,080
August	12,209,753	2,038,529	22,194,850	36,443,132
September	10,936,710	1,603,980	19,125,400	31,666,090
October	11,472,728	2,057,098	22,154,950	35,684,776
November	11,478,720	1,949,520	22,753,450	36,181,690
December	11,631,324	2,004,894	24,065,400	37,701,618
1988 TOTAL	140,320,139	24,601,129	276,118,450	441,039,718

Note: The 1987 and 1988 OCS production values are estimated by DOE.

See footnotes in Appendix A.

TABLE 5

UNITED STATES CRUDE OIL PRODUCTION AND IMPORTS
(Barrels)

DATE	FEDERAL ³ <u>OCS</u>	TOTAL ²	IMPORTS ²
1980	277,388,975	3,146,502,000	1,926,258,000
1981	289,765,405	3,128,780,000	1,604,540,000
1982	321,211,457	3,156,885,000	1,273,120,000
1983	348,331,243	3,171,120,000	1,215,085,000
1984	370,239,014	3,249,506,000	1,253,950,000
1985	389,324,285	3,274,553,000	1,168,297,000
1986	389,216,004	3,176,545,000	1,500,602,000
January	30,984,000	262,797,000	135,950,000
February	27,978,000	232,917,000	109,077,000
March	29,626,000	258,826,000	116,008,000
April	29,068,000	252,783,000	123,442,000
May	30,245,000	257,464,000	129,402,000
June	29,043,000	247,893,000	140,175,000
July	29,358,000	255,503,000	158,413,000
August	29,790,000	253,900,000	165,207,000
September	28,734,000	245,712,000	149,087,000
October	29,604,000	257,090,000	156,104,000
November	27,827,000	249,900,000	148,163,000
December	29,009,000	258,551,000	141,690,000
1987 TOTAL	351,266,000	3,033,336,000	1,672,718,000
January	28,630,000	255,582,000	143,190,000
February	25,963,000	242,892,000	136,080,000
March	28,257,000	258,771,000	148,434,000
April	27,123,000	248,028,000	153,782,000
May	28,387,000	254,291,000	162,269,000
June	27,195,000	255,731,000	151,662,000
July	27,250,000	249,820,000	155,201,000
August	26,105,000	249,966,000	156,194,000
September	22,672,000	236,994,000	155,485,000
October	26,016,000	247,206,000	171,811,000
November	26,504,000	239,553,000	150,497,000
December	27,831,000	247,210,000	161,980,000
1988 TOTAL	321,933,000	2,986,044,000	1,846,585,000

See footnotes in Appendix A.

TABLE 6

LOUISIANA STATE DRY NATURAL GAS PRODUCTION
 Excluding Federal OCS and Casinghead Gas
 (Thousand Cubic Feet (MCF), at 15.025 psia and 60 degrees Fahrenheit)

<u>DATE</u>	<u>NORTH</u>	<u>SOUTH</u>	<u>OFFSHORE</u>	<u>TOTAL</u>
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	310,172,187	1,117,276,515	214,603,884	1,642,052,586
January	27,391,631	97,197,152	18,147,958	142,736,741
February	23,604,560	87,627,764	15,642,928	126,875,252
March	26,915,750	93,630,850	15,696,695	136,243,295
April	26,036,640	88,667,850	15,755,760	130,460,250
May	26,012,069	88,520,562	15,911,525	130,444,156
June	23,905,860	84,847,800	15,415,590	124,169,250
July	24,291,135	85,288,874	15,642,352	125,222,361
August	23,041,215	85,969,541	15,831,018	124,841,774
September	23,679,720	83,345,310	17,594,340	124,619,370
October	25,540,063	85,934,294	17,913,660	129,388,017
November	25,560,690	86,817,540	18,455,280	130,833,510
December	27,489,188	89,024,405	18,912,635	135,426,228
1987 TOTAL	303,468,521	1,056,871,942	200,919,741	1,561,260,204
January	26,327,122	87,827,774	19,396,359	133,551,255
February	25,962,221	85,029,972	16,545,399	127,537,592
March	28,241,093	92,049,540	17,970,421	138,261,054
April	26,085,660	87,189,720	16,092,630	129,368,010
May	26,153,026	87,281,864	17,241,828	130,676,718
June	25,517,940	84,719,310	16,487,580	126,724,830
July	26,676,833	88,839,366	16,451,483	131,967,682
August	27,313,604	91,517,456	15,775,466	134,606,526
September	27,255,750	88,501,620	12,812,640	128,570,010
October	27,529,085	91,962,709	15,224,720	134,716,514
November	27,452,100	90,356,670	14,297,400	132,106,170
December	28,640,652	93,468,968	14,581,997	136,691,617
1988 TOTAL	323,155,086	1,068,744,969	192,877,923	1,584,777,978

TABLE 7

LOUISIANA STATE DRY CASINGHEAD GAS PRODUCTION
 Excluding Federal OCS
 (Thousand Cubic Feet (MCF) at 15.025 psia and 60 degrees Fahrenheit)

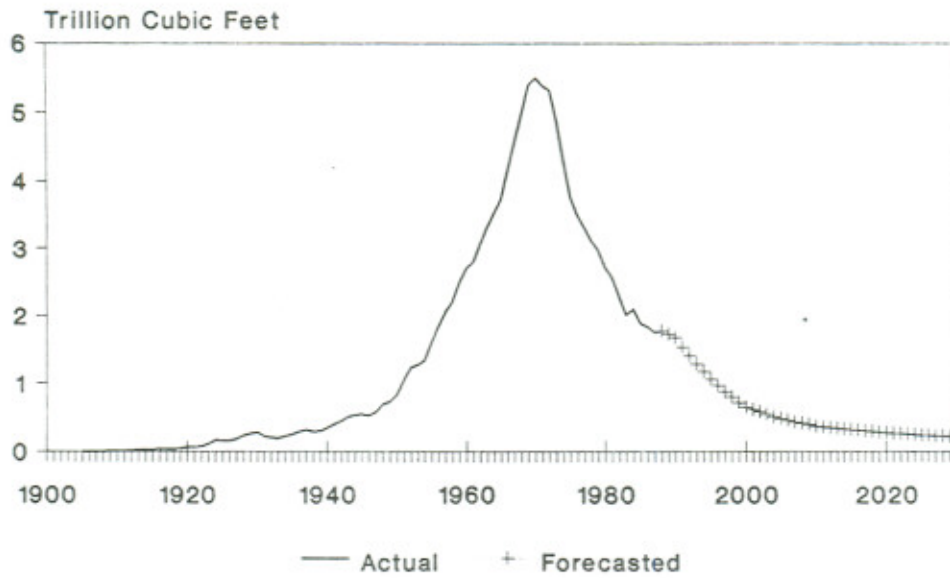
<u>DATE</u>	<u>NORTH</u>	<u>SOUTH</u>	<u>OFFSHORE</u>	<u>TOTAL</u>
1980	38,744,387	164,256,351	22,524,274	225,525,012
1981	54,461,955	145,002,268	21,922,829	221,387,052
1982	55,863,596	134,358,406	23,337,433	213,559,435
1983	54,943,524	124,511,997	26,206,906	205,662,427
1984	55,963,897	125,127,837	29,081,452	210,173,186
1985	55,735,829	112,306,864	29,635,701	197,678,394
1986	52,868,060	107,270,295	31,532,598	191,670,953
January	4,670,615	8,890,087	3,019,648	16,580,350
February	4,225,452	8,095,556	2,685,312	15,006,320
March	4,683,077	9,044,126	2,968,002	16,695,205
April	4,178,280	8,977,980	2,873,430	16,029,690
May	4,332,281	9,482,652	2,781,010	16,595,943
June	4,194,900	9,302,820	2,136,960	15,634,680
July	4,301,374	9,631,731	2,017,325	15,950,430
August	4,493,419	10,067,560	2,144,642	16,705,621
September	4,378,980	9,423,270	2,237,610	16,039,860
October	4,654,092	9,666,017	2,159,367	16,479,476
November	4,263,720	9,891,900	2,093,880	16,249,500
December	4,547,111	9,986,092	2,175,425	16,708,628
1987 TOTAL	52,923,301	112,459,791	29,292,611	194,675,703
January	4,532,789	9,649,494	2,064,817	16,247,100
February	4,451,761	9,144,454	1,876,648	15,472,863
March	4,942,330	10,156,499	1,995,997	17,094,826
April	4,150,620	9,553,890	2,068,410	15,772,920
May	4,123,527	9,684,338	2,299,177	16,107,042
June	4,077,900	9,121,620	2,162,010	15,361,530
July	4,217,333	9,450,071	2,256,614	15,924,018
August	4,122,349	9,287,600	2,104,683	15,514,632
September	4,030,020	8,313,150	1,552,530	13,895,700
October	4,075,446	9,365,286	2,147,060	15,587,792
November	4,109,190	9,033,300	1,964,040	15,106,530
December	4,066,053	8,901,185	2,046,589	15,013,827
1988 TOTAL	50,899,318	111,660,887	24,538,575	187,098,780

TABLE 8

LOUISIANA STATE DRY GAS PRODUCTION
 Natural Gas and Casinghead Gas
 Excluding Federal OCS
 (Thousand Cubic Feet (MCF), at 15.02 psia and 60 degrees Fahrenheit)

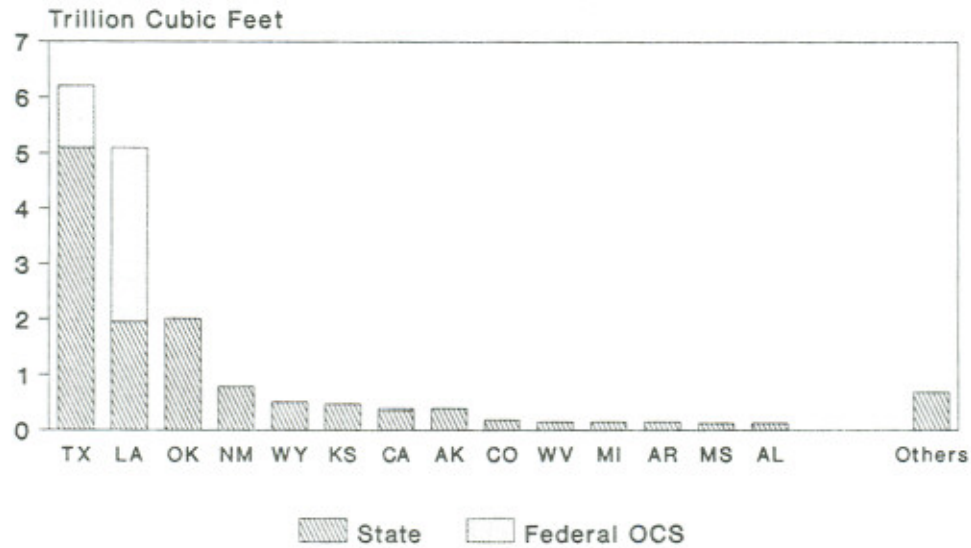
<u>DATE</u>	<u>NORTH</u>	<u>SOUTH</u>	<u>OFFSHORE</u>	<u>TOTAL</u>
1980	369,629,050	1,931,815,001	408,784,123	2,710,228,174
1981	419,994,477	1,764,184,476	374,836,303	2,559,015,256
1982	378,425,680	1,535,623,176	359,584,749	2,273,633,605
1983	364,722,665	1,321,825,107	321,430,150	2,007,977,922
1984	386,892,055	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	363,040,247	1,224,546,810	246,136,482	1,833,723,539
January	32,062,246	106,087,239	21,167,606	159,317,091
February	27,830,012	95,723,320	18,328,240	141,881,572
March	31,598,827	102,674,976	18,664,697	152,938,500
April	30,214,920	97,645,830	18,629,190	146,489,940
May	30,344,350	98,003,214	18,692,535	147,040,099
June	28,100,760	94,150,620	17,552,550	139,803,930
July	28,592,509	94,920,605	17,659,677	141,172,791
August	27,534,634	96,037,101	17,975,660	141,547,395
September	28,058,700	92,768,580	19,831,950	140,659,230
October	30,194,155	95,600,311	20,073,027	145,867,493
November	29,824,410	96,709,440	20,549,160	147,083,010
December	32,036,299	99,010,497	21,088,060	152,134,856
1987 TOTAL	356,391,822	1,169,331,733	230,212,352	1,755,935,907
January	30,859,911	97,477,268	21,461,176	149,798,355
February	30,413,982	94,174,426	18,422,047	143,010,455
March	33,183,423	102,206,039	19,966,418	155,355,880
April	30,236,280	96,743,610	18,161,040	145,140,930
May	30,276,553	96,966,202	19,541,005	146,783,760
June	29,595,840	93,840,930	18,649,590	142,086,360
July	30,894,166	98,289,437	18,708,097	147,891,700
August	31,435,953	100,805,056	17,880,149	150,121,158
September	31,285,770	96,814,770	14,365,170	142,465,710
October	31,604,531	101,327,995	17,371,780	150,304,306
November	31,561,290	99,389,970	16,261,440	147,212,700
December	32,706,705	102,370,153	16,628,586	151,705,444
1988 TOTAL	374,054,404	1,180,405,856	217,416,498	1,771,876,758

FIGURE 3
 LOUISIANA STATE GAS PRODUCTION
 ACTUAL AND FORECASTED THROUGH YEAR 2030



Federal OCS excluded
 Casinghead gas included

FIGURE 4
 1988 UNITED STATES MARKETED GAS
 PRODUCTION BY STATE



SOURCE: U.S. Department of Energy
 Federal OCS production is estimated
 from historical dry gas production.

TABLE 9

LOUISIANA STATE DRY GAS PRODUCTION
Natural Gas and Casinghead Gas
Excluding Federal OCS

(Thousand Cubic Feet (MCF) at 14.73 psia and 60 degrees Fahrenheit)

<u>DATE</u>	<u>NORTH</u>	<u>SOUTH</u>	<u>OFFSHORE</u>	<u>TOTAL</u>
1980	377,021,631	1,970,451,301	416,959,805	2,764,432,737
1981	428,394,367	1,799,468,166	382,333,029	2,610,195,561
1982	385,994,194	1,566,335,640	366,776,444	2,319,106,277
1983	372,017,118	1,348,261,609	327,858,753	2,048,137,480
1984	394,629,896	1,418,511,192	324,367,852	2,137,508,940
1985	363,527,551	1,295,729,198	259,165,307	1,918,422,056
1986	370,301,052	1,249,037,746	251,059,212	1,870,398,010
January	32,703,491	108,208,984	21,590,958	162,503,433
February	28,386,612	97,637,786	18,694,805	144,719,203
March	32,230,804	104,728,476	19,037,991	155,997,270
April	30,819,218	99,598,747	19,001,774	149,419,739
May	30,951,237	99,963,278	19,066,386	149,980,901
June	28,662,775	96,033,632	17,903,601	142,600,009
July	29,164,359	96,819,017	18,012,871	143,996,247
August	28,085,327	97,957,843	18,335,173	144,378,343
September	28,619,874	94,623,952	20,228,589	143,472,415
October	30,798,038	97,512,317	20,474,488	148,784,843
November	30,420,898	98,643,629	20,960,143	150,024,670
December	32,677,025	100,990,707	21,509,821	155,177,553
1987 TOTAL	363,519,658	1,192,718,368	234,816,599	1,791,054,625
January	31,477,109	99,426,813	21,890,400	152,794,322
February	31,022,262	96,057,915	18,790,488	145,870,664
March	33,847,091	104,250,160	20,365,746	158,462,998
April	30,841,006	98,678,482	18,524,261	148,043,749
May	30,882,084	98,905,526	19,931,825	149,719,435
June	30,187,757	95,717,749	19,022,582	144,928,087
July	31,512,049	100,255,226	19,082,259	150,849,534
August	32,064,672	102,821,157	18,237,752	153,123,581
September	31,911,485	98,751,065	14,652,473	145,315,024
October	32,236,622	103,354,555	17,719,216	153,310,392
November	32,192,516	101,377,769	16,586,669	150,156,954
December	33,360,839	104,417,556	16,961,158	154,739,553
1988 TOTAL	381,535,492	1,204,013,973	221,764,828	1,807,314,293

TABLE 10

LOUISIANA DRY GAS PRODUCTION
Natural Gas and Casinghead Gas
(Thousand Cubic Feet (MCF) at 14.73 psia and 60 degrees Fahrenheit)

DATE	<u>OFFSHORE</u>			TOTAL
	<u>ONSHORE</u>	<u>STATE</u>	<u>FEDERAL OCS³</u>	
1980	2,347,472,932	416,959,805	4,013,707,434	6,778,140,171
1981	2,227,862,532	382,333,029	4,106,494,590	6,716,690,151
1982	1,952,329,833	366,776,444	3,803,740,050	6,122,846,327
1983	1,720,278,727	327,858,753	3,173,892,354	5,222,029,834
1984	1,813,141,088	324,367,852	3,578,740,570	5,716,249,510
1985	1,659,256,749	259,165,307	3,116,884,490	5,035,306,546
1986	1,619,338,798	251,059,212	2,927,832,264	4,798,230,274
January	140,912,475	21,590,958	291,929,853	454,433,286
February	126,024,399	18,694,805	242,752,245	387,471,448
March	136,959,279	19,037,991	282,163,232	438,160,502
April	130,417,965	19,001,774	244,457,544	393,877,283
May	130,914,515	19,066,386	271,671,429	421,652,330
June	124,696,408	17,903,601	297,889,370	440,489,379
July	125,983,376	18,012,871	244,123,756	388,120,003
August	126,043,170	18,335,173	253,393,076	397,771,419
September	123,243,826	20,228,589	254,411,555	397,883,969
October	128,310,355	20,474,488	238,831,976	387,616,819
November	129,064,527	20,960,143	330,730,263	480,754,934
December	133,667,732	21,509,821	296,445,077	451,622,630
1987 TOTAL	1,556,238,026	234,816,599	3,248,799,378	5,039,854,004
January	130,903,923	21,890,400	280,463,592	433,257,914
February	127,080,176	18,790,488	332,206,210	478,076,874
March	138,097,251	20,365,746	238,162,759	396,625,756
April	129,519,488	18,524,261	266,454,996	414,498,744
May	129,787,610	19,931,825	294,222,055	443,941,490
June	125,905,505	19,022,582	261,572,080	406,500,168
July	131,767,275	19,082,259	233,415,643	384,265,177
August	134,885,829	18,237,752	298,378,293	451,501,874
September	130,662,551	14,652,473	226,741,587	372,056,611
October	135,591,177	17,719,216	282,755,251	436,065,643
November	133,570,285	16,586,669	303,125,360	453,282,314
December	137,778,395	16,961,158	318,384,221	473,123,774
1988 TOTAL	1,585,549,465	221,764,828	3,335,882,047	5,143,196,340

NOTE: The 1987 and 1988 OCS production values are estimated from the marketed production using extrapolation.

See footnotes in Appendix A.

TABLE 11

MARKETED NATURAL GAS PRODUCTION
(Billion Cubic Feet (BCF) at 14.73 psia and 60 degrees Fahrenheit)

<u>DATE</u>	<u>LOUISIANA⁷</u> <u>STATE</u>	<u>FEDERAL*</u> <u>OCS</u>	<u>TOTAL²</u> <u>LOUISIANA</u>	<u>TOTAL²</u> <u>U.S.</u>
1980	2,425.72	4,514.21	6,939.92	20,179.72
1981	2,403.30	4,376.89	6,780.18	19,955.82
1982	2,174.35	3,997.27	6,171.63	18,519.68
1983	1,955.68	3,376.43	5,332.11	16,822.14
1984	1,972.22	3,852.74	5,824.96	18,064.08
1985	1,824.87	3,188.83	5,013.70	17,198.00
1986	1,864.43	3,030.96	4,895.39	16,790.91
January	156.88	306.30	463.18	1,574.94
February	162.79	254.70	417.49	1,414.30
March	151.87	296.05	447.93	1,496.76
April	168.88	256.49	425.38	1,403.35
May	137.22	285.05	422.27	1,386.24
June	93.58	312.56	406.14	1,334.87
July	141.79	256.14	397.94	1,357.54
August	133.52	265.87	399.39	1,395.90
September	119.85	266.94	386.79	1,313.30
October	166.41	250.59	417.00	1,423.95
November	99.72	347.01	446.74	1,465.39
December	155.09	311.04	466.13	1,588.61
1987 Total	1,687.62	3,408.75	5,096.37	17,155.16
January	167.33	294.27	461.60	1,609.18
February	89.00	348.56	437.56	1,470.69
March	196.75	249.89	446.64	1,539.65
April	130.96	279.57	410.53	1,418.18
May	121.25	308.71	429.96	1,432.70
June	125.31	274.45	399.76	1,375.19
July	163.15	244.91	408.05	1,384.12
August	100.00	313.07	413.07	1,398.91
September	132.05	237.90	369.95	1,322.79
October	118.24	296.68	414.92	1,441.76
November	118.52	318.05	436.57	1,480.00
December	133.25	334.06	467.31	1,584.00
1988 Total	1,595.81	3,500.12	5,095.93	17,457.16

*The Louisiana Federal OCS Marketed Natural Gas Volume is the difference between total Louisiana reported by DOE and state volume reported by the Louisiana Department of Revenue and Taxation.

See footnotes in Appendix A.

TABLE 12

UNITED STATES DRY GAS PRODUCTION AND IMPORTS
 (Billion Cubic Feet (BCF) at 14.73 psia and 60 degrees Fahrenheit)

<u>DATE</u>	<u>FEDERAL³</u> <u>OCS</u>	<u>TOTAL²</u>	<u>IMPORTS²</u>
1980	4,641	19,403	985
1981	4,849	19,181	903
1982	4,679	17,758	935
1983	4,041	16,033	909
1984	4,538	17,214	861
1985	4,001	16,383	949
1986	3,949	15,990	749
January		1,531	101
February		1,375	84
March		1,453	86
April		1,354	68
May		1,338	61
June		1,282	58
July		1,300	66
August		1,323	75
September		1,262	73
October		1,372	93
November		1,413	107
December		1,533	121
1987 Total	4,375	16,536	993
January		1,534	138
February		1,402	116
March		1,468	112
April		1,352	95
May		1,366	93
June		1,311	92
July		1,319	99
August		1,333	93
September		1,261	94
October		1,375	105
November		1,411	120
December		1,510	126
1988 Total	N/A	16,642	1,283

See footnotes in Appendix A.

FIGURE 5
LOUISIANA OIL PRODUCTION AND PRICE

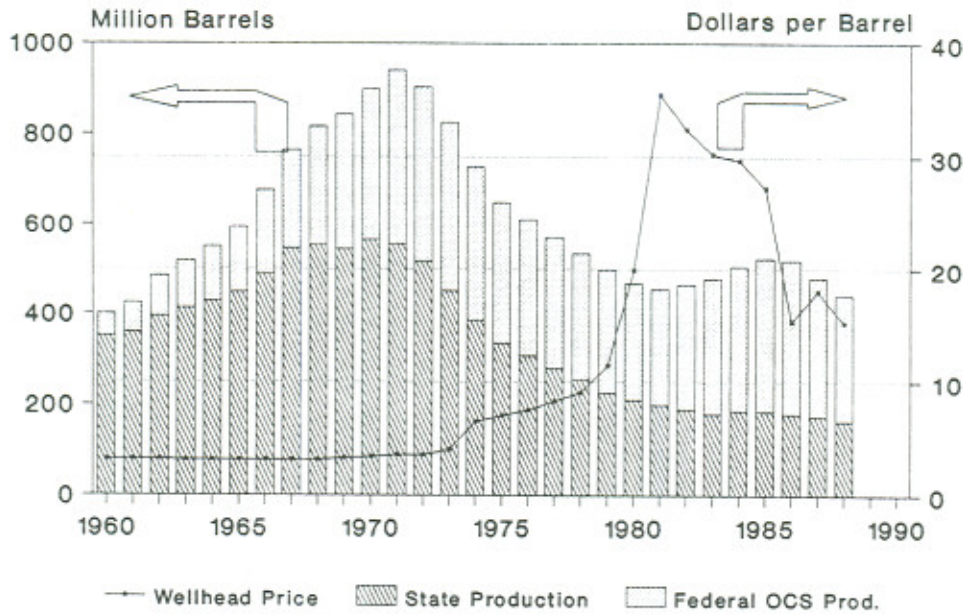


FIGURE 6
LOUISIANA GAS PRODUCTION AND PRICE

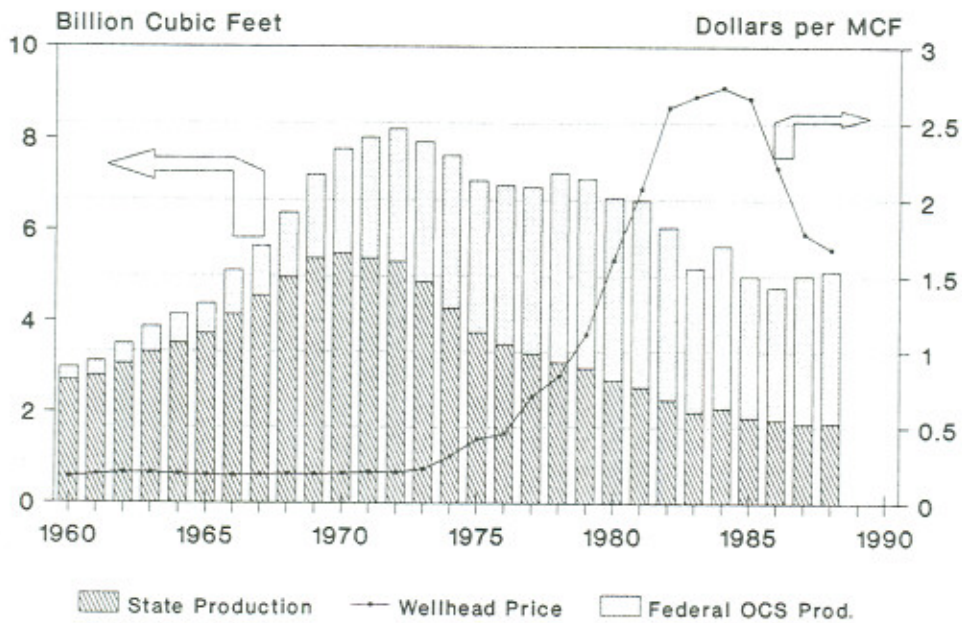


Table 13

LOUISIANA AVERAGE CRUDE OIL PRICES
(Dollars/Barrel)

DATE	SOUTH LOUISIANA SWEET		ALL GRADES		
	SPOT ⁹ MARKET	REFINERY POSTED	STATE ROYALTY VOLUME	SEVERANCE ⁷ TAXED VOLUME	WELLHEAD ⁵ AVERAGE (STATE & OCS)
1980	N/A	23.32	17.80	17.64	19.87
1981	N/A	33.33	34.94	33.07	35.45
1982	N/A	32.82	32.33	33.55	32.44
1983	N/A	30.51	29.02	30.38	30.02
1984	29.90	30.05	29.47	29.98	29.67
1985	28.51	27.89	27.41	27.18	27.22
1986	15.27	16.10	15.77	17.23	15.32
January	19.24	17.09	16.63	14.21	16.67
February	18.27	17.67	16.41	15.85	17.18
March	18.78	17.61	17.01	16.69	17.09
April	19.07	17.81	17.15	16.80	17.26
May	19.74	18.46	17.69	17.08	17.87
June	20.20	19.29	18.19	18.38	18.46
July	21.26	20.02	19.14	17.93	19.37
August	20.24	19.82	19.41	18.94	19.51
September	19.52	19.28	18.55	19.38	18.43
October	19.40	19.37	18.54	18.46	18.54
November	19.30	18.54	18.29	18.89	18.19
December	17.41	17.29	16.46	17.96	17.12
1987 AVERAGE	19.37	18.52	17.79	17.55	17.97
January	17.77	17.29	16.02	21.95	16.34
February	17.29	16.54	16.03	21.22	16.25
March	16.27	15.92	15.27	16.21	15.58
April	17.77	16.91	16.34	15.59	16.63
May	17.28	17.46	16.44	16.37	16.86
June	16.45	16.68	15.30	16.83	16.16
July	15.63	15.02	14.21	16.55	14.87
August	15.33	14.98	14.52	15.17	14.68
September	14.31	14.44	13.56	14.68	14.09
October	13.70	13.53	13.00	14.51	13.12
November	14.07	13.96	12.68	14.34	12.95
December	17.41	15.49	14.43	13.08	14.61
1988 AVERAGE	16.11	15.68	14.84	16.37	15.21

See footnotes in Appendix A.

Table 14

UNITED STATES AVERAGE CRUDE OIL PRICES⁵
(Dollars/Barrel)

<u>DATE</u>	<u>WELLHEAD</u>	<u>IMPORTS</u>		<u>ACQUISITION COSTS</u>	
		<u>FOB*</u>	<u>LANDED</u>	<u>DOMESTIC</u>	<u>IMPORTS</u>
1980	21.59	32.27	33.95	24.23	33.89
1981	31.77	35.10	36.52	34.33	37.05
1982	28.52	32.11	33.18	31.22	33.55
1983	26.19	27.73	28.93	28.87	29.30
1984	25.88	27.44	28.46	28.53	28.88
1985	24.09	25.83	26.66	26.66	26.99
1986	12.51	12.52	13.49	14.82	14.00
January	13.89	15.30	16.16	16.02	16.43
February	14.50	15.98	16.86	16.76	16.96
March	14.53	16.31	17.05	16.93	17.24
April	14.95	16.79	17.53	17.21	17.88
May	15.29	17.19	17.91	17.64	18.24
June	15.95	17.52	18.34	18.34	18.71
July	16.88	17.92	18.87	19.05	19.25
August	17.06	17.76	18.88	19.41	19.30
September	16.29	17.10	18.04	18.58	18.55
October	15.95	17.16	17.67	18.37	18.57
November	15.46	16.68	17.52	17.95	18.16
December	14.27	14.77	16.03	17.03	17.45
1987 AVERAGE	15.40	16.69	17.65	17.76	18.13
January	13.64	13.66	14.92	15.82	16.10
February	13.41	13.76	14.72	15.61	15.61
March	12.95	13.46	14.48	14.92	14.82
April	13.91	14.28	15.17	15.88	15.69
May	14.11	14.49	15.51	16.35	16.02
June	13.57	13.99	14.89	15.83	14.52
July	12.36	13.27	14.08	14.65	14.80
August	12.20	12.94	13.70	14.36	14.37
September	11.61	12.28	13.07	13.97	13.90
October	10.60	11.69	12.42	12.90	13.03
November	10.30	11.94	12.49	12.61	12.54
December	11.99	12.95	13.93	13.88	14.08
1988 AVERAGE	12.57	13.25	14.07	14.76	14.64

FOB = Free on Board

See footnotes in Appendix A.

Table 15
LOUISIANA AVERAGE NATURAL GAS PRICES
(Dollars/MCF)

<u>DATE</u>	<u>DELIVERED TO CONSUMER³</u>				<u>WELLHEAD</u>	
	<u>RESIDENTIAL</u>	<u>COMMERCIAL</u>	<u>INDUSTRIAL</u>	<u>UTILITY</u>	<u>STATE ROYALTY VOLUME</u>	<u>SPOT MARKET⁴</u>
1981	4.15	3.69	1.88	2.82	1.67	N/A
1982	5.32	4.93	3.16	3.23	2.21	N/A
1983	6.12	5.71	3.13	3.30	2.48	N/A
1984	5.96	5.54	3.18	3.18	2.54	N/A
1985	5.67	5.28	3.03	2.86	2.36	2.51
1986	5.77	5.25	1.91	1.94	1.99	1.69
January	5.23	4.92	1.82	1.78	1.66	1.55
February	5.03	4.55	1.85	1.72	1.72	1.59
March	5.05	4.66	1.86	1.73	1.82	1.55
April	5.33	4.81	1.90	1.63	1.82	1.51
May	6.31	5.17	1.77	1.71	1.62	1.48
June	6.58	4.96	1.76	1.69	1.69	1.44
July	6.73	5.19	1.96	1.69	1.53	1.40
August	7.07	5.65	1.76	1.70	1.54	1.36
September	6.75	5.16	1.74	1.60	1.32	1.36
October	6.55	5.33	1.74	1.54	1.55	1.40
November	5.99	5.40	1.73	1.52	1.48	1.50
December	5.47	5.10	1.79	1.75	2.19	1.75
1987 AVERAGE	5.56	4.97	1.80	1.67	1.66	1.49
January	5.22	5.11	1.91	1.87	1.83	2.04
February	4.89	4.74	2.18	1.84	1.97	2.01
March	5.23	4.87	2.12	1.56	1.86	1.80
April	5.50	4.81	2.02	1.52	1.71	1.49
May	6.13	4.92	1.82	1.54	1.69	1.39
June	6.53	5.01	1.75	1.62	1.61	1.39
July	6.79	5.20	1.75	1.69	1.58	1.46
August	7.33	5.40	1.78	1.75	1.42	1.59
September	7.02	5.25	1.83	1.83	1.35	1.72
October	7.51	5.93	1.89	1.73	1.34	1.69
November	6.93	5.85	1.96	1.82	1.98	1.91
December	5.43	5.40	2.16	1.80	1.92	2.18
1988 AVERAGE	5.70	5.14	1.93	1.71	1.68	1.72

See footnotes in Appendix A.

Table 16

UNITED STATES AVERAGE NATURAL GAS PRICES³
(Dollars/MCF)

<u>DATE</u>	<u>WELLHEAD</u>	<u>IMPORTS</u>	<u>PURCHASE FROM PRODUCERS</u>	<u>CITY GATE</u>	<u>DELIVERED TO CONSUMERS</u>
1980	1.59	4.42	1.63	N/A	2.91
1981	1.98	4.84	2.15	N/A	3.51
1982	2.46	4.94	2.72	N/A	4.32
1983	2.59	4.51	2.93	N/A	4.82
1984	2.66	4.08	2.91	3.95	4.85
1985	2.51	3.18	2.81	3.75	4.72
1986	1.94	2.53	2.39	3.22	4.13
January	1.74	1.90	2.16	2.98	4.46
February	1.73	2.21	2.11	3.03	4.54
March	1.73	2.30	2.08	2.91	4.39
April	1.69	2.25	2.11	2.86	4.20
May	1.65	2.22	2.20	2.81	3.85
June	1.65	2.26	2.19	2.84	3.60
July	1.66	2.73	2.22	2.92	3.10
August	1.63	2.17	1.71	2.89	3.39
September	1.56	2.17	2.29	2.83	3.49
October	1.57	1.98	1.99	2.69	3.74
November	1.64	1.94	2.06	2.76	3.98
December	1.70	2.00	2.17	2.84	4.21
1987 AVERAGE	1.67	2.17	2.10	2.87	4.05
January	1.97	1.62	2.00	2.88	4.41
February	1.88	2.02	2.22	2.92	4.39
March	1.76	2.32	2.03	2.82	4.26
April	1.64	2.36	2.09	2.73	4.10
May	1.57	2.00	2.14	2.67	3.81
June	1.58	1.98	2.05	2.77	3.51
July	1.59	2.34	1.93	2.76	3.32
August	1.59	1.88	2.09	2.86	3.37
September	1.61	1.95	2.11	2.99	3.59
October	1.62	1.94	2.29	2.88	3.95
November	1.72	1.98	2.19	2.94	4.31
December	1.86	2.03	2.25	3.07	4.54
1988 AVERAGE	1.71	2.02	2.12	2.88	4.10

See footnotes in Appendix A.

FIGURE 7
CRUDE OIL AVERAGE PRICES

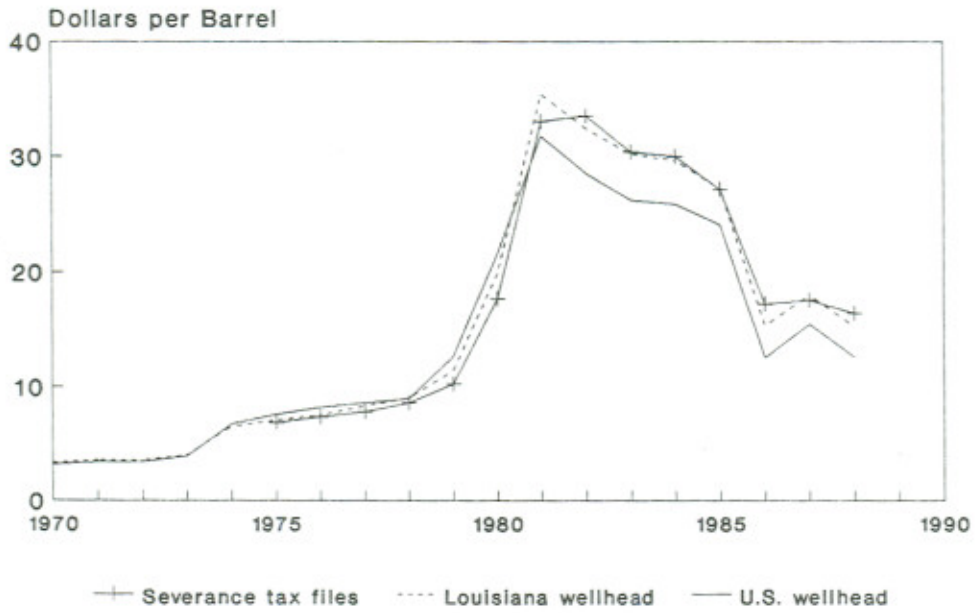


FIGURE 8
NATURAL GAS AVERAGE PRICES

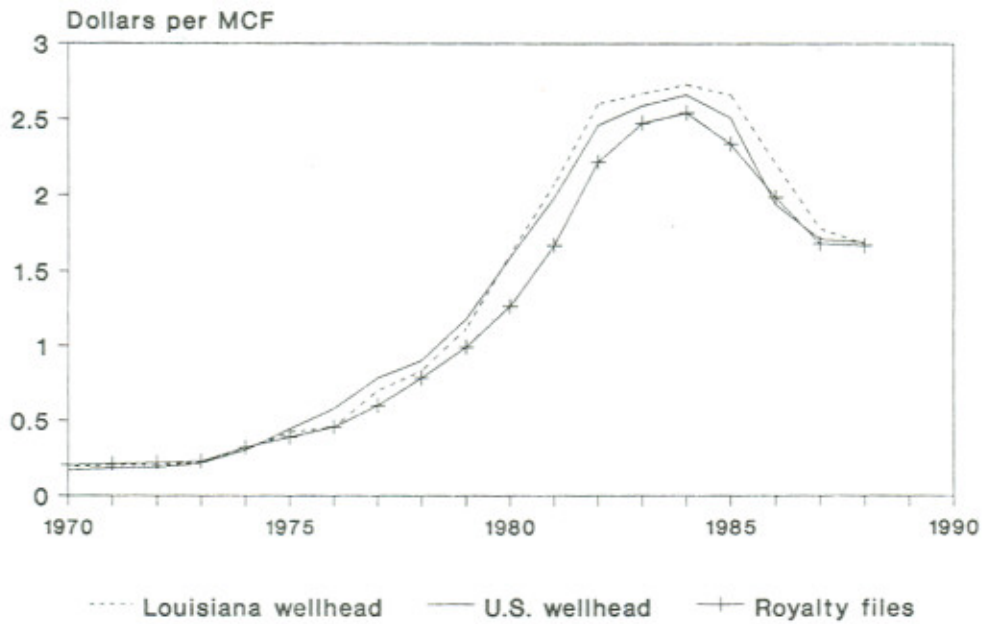


Table 17

LOUISIANA OIL AND GAS DRILLING PERMITS ISSUED
BY TYPE FOR AREAS UNDER STATE JURISDICTION

<u>DATE</u>	<u>WILDCAT</u> +	<u>DEVELOPMENTAL</u>	=	<u>TOTAL</u>	=	<u>OFFSHORE</u> +	<u>ONSHORE</u>
1980	893	5,344	*	6,237	*	N/A	N/A
1981	1,086	5,174	*	6,260	*	N/A	N/A
1982	727	4,454	*	5,181	*	N/A	N/A
1983	642	4,848	*	5,490	*	201	5,289
1984	702	6,929	*	7,631	*	231	7,400
1985	599	4,811	*	5,410	*	165	5,245
1986	298	1,984	*	2,282	*	84	2,198
January	19	104	*	123	*	6	117
February	11	102	*	113	*	14	99
March	19	163	*	182	*	3	179
April	25	151	*	176	*	6	170
May	16	168	*	184	*	4	180
June	20	238	*	258	*	6	252
July	32	208	*	240	*	5	235
August	21	237	*	258	*	4	254
September	28	193	*	221	*	5	216
October	26	197	*	223	*	5	218
November	33	172	*	205	*	12	193
December	34	215	*	249	*	3	246
1987 TOTAL	284	2,148	*	2,432	*	73	2,359
January	18	125	*	143	*	8	135
February	17	126	*	143	*	4	139
March	21	137	*	158	*	4	154
April	16	145	*	161	*	8	153
May	22	160	*	182	*	7	175
June	27	206	*	233	*	15	218
July	24	128	*	152	*	7	145
August	21	133	*	154	*	6	148
September	23	126	*	149	*	10	139
October	24	121	*	145	*	8	137
November	21	94	*	115	*	7	108
December	15	100	*	115	*	10	105
1988 TOTAL	249	1,601	*	1,850	*	94	1,756

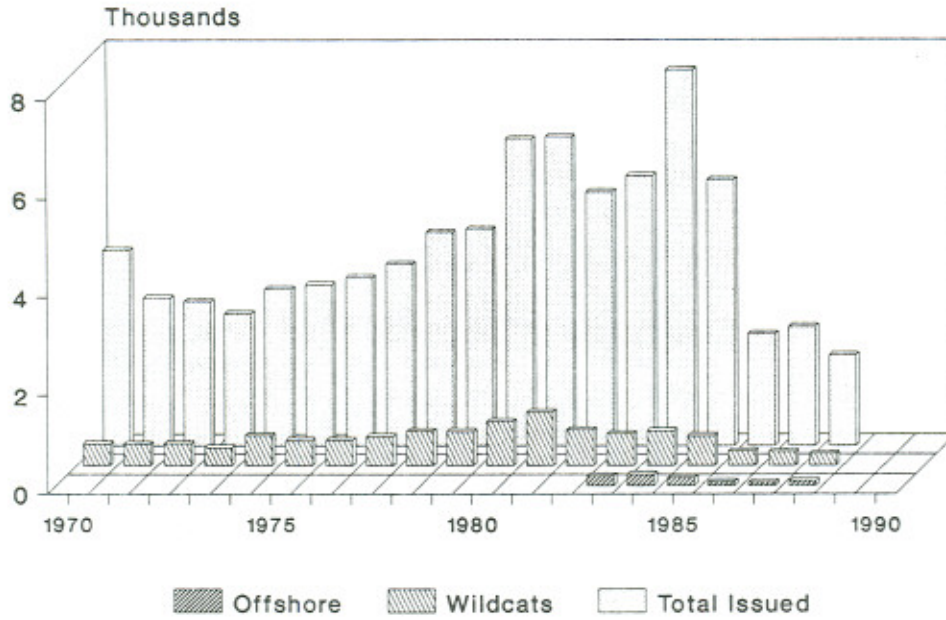
Table 18

LOUISIANA AVERAGE RIGS RUNNING⁴ (Baker-Hughes)

DATE	NORTH	SOUTH-INLAND		OFFSHORE	TOTAL STATE JURISDICTION	FEDERAL OCS	TOTAL
		WATER	LAND				
1980	55	- 180	-	77	312	129	441
1981	58	- 244	-	70	372	84	456
1982	40	- 168	-	70	278	67	344
1983	29	49	79	73	230	52	283
1984	30	51	96	78	256	54	310
1985	25	43	86	78	232	51	283
1986	11	20	42	31	105	38	143
January	12	22	38	9	80	49	129
February	12	19	33	19	82	30	112
March	11	16	30	36	93	12	105
April	11	18	30	32	89	13	102
May	6	17	30	17	70	34	104
June	7	21	24	32	84	24	108
July	13	27	41	20	100	44	144
August	13	22	35	42	112	36	148
September	15	22	43	39	120	43	163
October	14	26	42	18	99	59	158
November	14	32	38	22	106	60	166
December	12	35	47	23	116	68	184
1987 AVERAGE	11	23	36	26	96	39	135
January	10	34	47	15	106	76	182
February	14	41	32	21	108	68	176
March	10	31	39	18	97	72	169
April	12	29	40	20	101	70	171
May	13	36	30	20	99	67	166
June	13	25	36	18	91	74	165
July	13	25	34	3	105	59	164
August	16	29	26	14	86	70	156
September	19	18	31	25	93	54	147
October	15	18	34	16	82	66	148
November	16	18	36	22	91	66	157
December	16	17	38	15	85	76	161
1988 AVERAGE	14	27	35	20	95	68	163

See footnotes in Appendix A.

FIGURE 9
LOUISIANA STATE DRILLING PERMITS ISSUED



Federal OCS excluded

FIGURE 10
LOUISIANA AVERAGE ACTIVE RIGS

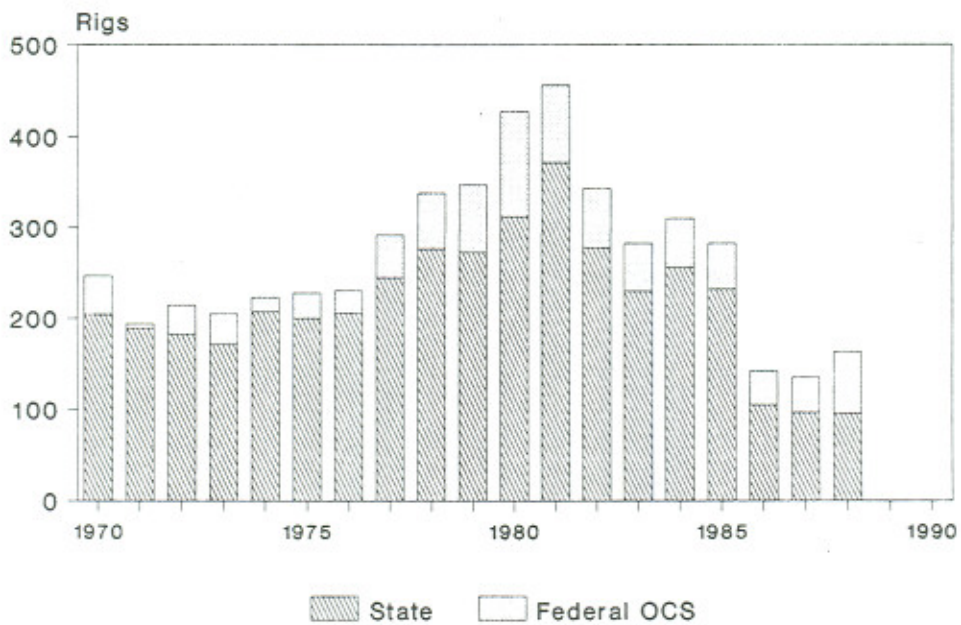


Table 19

LOUISIANA PRODUCING CRUDE OIL WELLS
Excluding Federal OCS

<u>DATE</u>	<u>NORTH</u>	<u>SOUTH</u>	<u>OFFSHORE</u>	<u>TOTAL</u>
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	19,402	6,111	1,007	26,520
January	19,213	5,746	899	25,858
February	19,089	5,711	958	25,758
March	19,183	5,789	962	25,934
April	18,471	5,671	967	25,109
May	18,495	5,768	963	25,226
June	18,666	5,815	958	25,439
July	18,245	5,802	943	24,990
August	18,270	5,766	933	24,969
September	18,776	5,803	926	25,505
October	18,604	5,787	924	25,315
November	18,173	5,782	953	24,908
December	18,371	5,779	957	25,107
1987 AVERAGE	18,630	5,768	945	25,343
January	18,224	5,687	1,001	24,912
February	17,668	5,763	993	24,424
March	18,425	5,916	984	25,325
April	18,243	5,735	987	24,965
May	17,989	5,773	988	24,750
June	17,926	5,702	980	24,608
July	17,926	5,777	943	24,646
August	17,968	5,687	923	24,578
September	17,601	5,628	925	24,154
October	17,852	5,562	948	24,362
November	17,857	5,577	946	24,380
December	17,759	5,569	950	24,278
1988 AVERAGE	17,953	5,698	964	24,615

Table 20

LOUISIANA PRODUCING NATURAL GAS WELLS
Excluding Federal OCS

<u>DATE</u>	<u>NORTH</u>	<u>SOUTH</u>	<u>OFFSHORE</u>	<u>TOTAL</u>
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	14,116
1984	10,812	2,955	532	14,299
1985	11,026	2,887	511	14,424
1986	11,084	2,735	446	14,265
January	10,890	2,652	420	13,962
February	10,669	2,546	418	13,633
March	10,738	2,699	410	13,847
April	10,508	2,674	414	13,596
May	10,928	2,657	404	13,989
June	10,662	2,626	401	13,689
July	10,792	2,628	412	13,832
August	10,589	2,646	404	13,639
September	10,623	2,633	398	13,654
October	10,985	2,642	409	14,036
November	10,671	2,605	440	13,716
December	10,656	2,608	429	13,693
1987 AVERAGE	10,726	2,635	413	13,773
January	10,863	2,565	424	13,852
February	10,754	2,555	432	13,741
March	10,709	2,551	439	13,699
April	10,673	2,558	435	13,666
May	10,833	2,585	455	13,873
June	10,896	2,599	455	13,950
July	10,715	2,546	444	13,705
August	10,805	2,572	444	13,821
September	10,954	2,479	428	13,861
October	10,903	2,459	431	13,793
November	10,811	2,437	475	13,723
December	10,835	2,561	477	13,873
1988 AVERAGE	10,813	2,539	445	13,797

Table 21

LOUISIANA MINERAL ROYALTY REVENUE
Excluding Federal OCS
(Million Dollars)

<u>DATE</u>	<u>OIL</u>	<u>GAS</u>	<u>PLANT PRODUCTS</u>	<u>OTHER MINERALS</u>	<u>ROYALTY TOTAL</u>
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	1.53	450.99
1984	226.64	210.99	13.06	2.29	452.98
1985	201.14	174.45	9.55	2.62	387.76
1986	122.37	154.13	6.27	1.96	284.74
January	9.69	11.05	0.41	0.14	21.30
February	9.46	9.93	0.43	0.12	19.94
March	10.47	10.45	0.40	0.14	21.46
April	10.09	10.11	0.41	0.13	20.73
May	10.74	9.46	0.40	0.12	20.72
June	10.73	8.86	0.38	0.13	20.09
July	11.45	8.82	0.37	0.14	20.78
August	11.37	9.06	0.35	0.15	20.93
September	10.52	8.41	0.38	0.14	19.45
October	10.83	9.32	0.39	0.14	20.68
November	9.94	10.60	0.37	0.12	21.03
December	9.91	13.06	0.40	0.14	23.51
1987 TOTAL	125.21	119.13	4.68	1.60	250.63
January	9.17	11.90	0.35	0.12	21.54
February	8.45	10.95	0.32	0.11	19.82
March	8.72	11.16	0.38	0.11	20.36
April	8.92	9.32	0.38	0.12	18.73
May	9.41	10.16	0.39	0.12	20.09
June	8.82	8.83	0.35	0.11	18.12
July	8.06	9.22	0.36	0.11	17.74
August	7.56	9.02	0.39	0.12	17.09
September	6.39	8.14	0.33	0.11	14.98
October	7.30	9.81	0.35	0.12	17.58
November	6.76	10.29	0.33	0.10	17.48
December	8.06	11.08	0.33	0.11	19.58
1988 TOTAL	97.63	119.88	4.25	1.37	223.13

NOTE: The 1986 royalty includes BTA settlement lump sum royalty payment for five years. The lump sum amounted to \$15.72 million and was included in June 1986. There was \$9.42 million royalty revenue from settlements in 1988, which is not included in the above table.

Table 22

LOUISIANA MINERAL SEVERANCE TAX REVENUE⁷
 Excluding Federal OCS
 (Million Dollars)

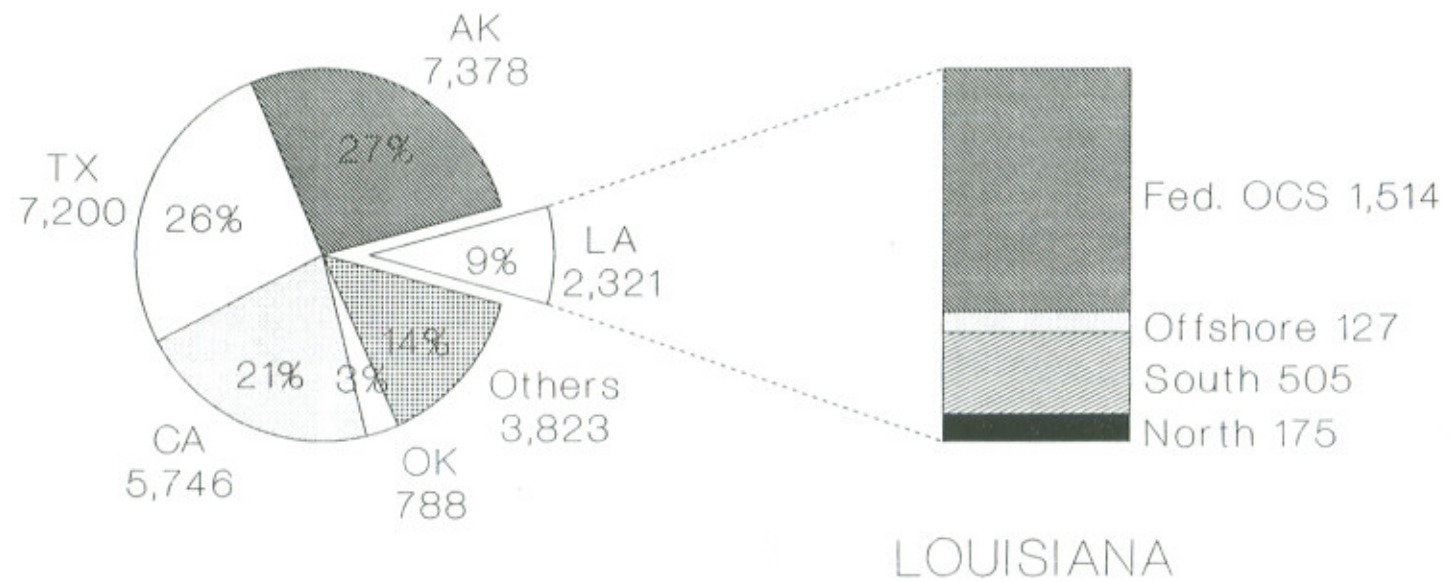
<u>DATE</u>	<u>OIL</u>	<u>GAS</u>	<u>OTHER MINERALS</u>	<u>SEVERANCE TOTAL</u>
1980	427.68	161.87	N/A	589.55
1981	815.38	164.07	N/A	979.44
1982	766.49	147.53	N/A	914.02
1983	662.00	131.52	2.45	795.98
1984	652.39	130.99	3.62	787.00
1985	598.67	120.96	3.73	723.37
1986	389.87	125.14	3.42	518.42
January	18.20	10.48	0.27	28.96
February	34.37	10.74	0.21	45.33
March	21.63	10.03	0.23	31.89
April	40.95	11.11	0.21	52.26
May	27.77	9.30	0.23	37.30
June	20.03	6.21	0.23	26.48
July	31.41	9.14	0.23	40.79
August	24.69	9.27	0.25	34.21
September	36.24	7.95	0.31	44.50
October	42.71	10.83	0.27	53.81
November	17.09	6.56	0.14	23.80
December	30.07	10.22	0.39	40.69
1987 TOTAL	345.18	111.84	2.99	460.01
January	50.87	10.70	0.26	61.84
February	17.34	6.71	0.22	24.27
March	31.16	13.07	0.20	44.44
April	28.34	8.68	0.21	37.23
May	16.71	8.02	0.24	24.97
June	23.41	8.24	0.25	31.90
July	34.57	10.81	0.21	45.59
August	13.05	6.54	0.25	19.84
September	23.83	8.71	0.19	32.73
October	17.34	7.73	0.19	25.26
November	17.00	7.95	0.24	25.20
December	22.82	9.10	0.17	32.09
1988 TOTAL	296.45	106.28	2.65	405.39

Table 23

LOUISIANA MINERAL BONUSES, RENTALS and
ROYALTY OVERRIDE REVENUE
Excluding Federal OCS
(Million Dollars)

<u>DATE</u>	<u>OVERRIDE ROYALTY</u>	<u>RENTALS</u>	<u>BONUSES</u>	<u>TOTAL</u>
1980	0.51	31.55	135.58	167.64
1981	0.84	49.31	149.54	199.69
1982	0.73	53.66	64.03	118.42
1983	0.70	27.73	44.28	72.71
1984	0.86	21.21	66.99	89.06
1985	0.79	20.86	31.63	53.28
1986	0.37	12.25	15.73	28.35
January	0.02	0.51	1.17	1.70
February	0.03	0.48	0.52	1.02
March	0.03	0.68	1.39	2.10
April	0.03	0.46	0.74	1.23
May	0.03	0.85	0.87	1.75
June	0.04	1.52	2.31	3.86
July	0.03	0.00	4.79	4.83
August	0.03	0.23	0.00	0.26
September	0.04	0.59	6.45	7.07
October	0.00	0.33	1.46	1.79
November	0.07	0.00	5.78	5.85
December	0.04	1.06	1.35	2.45
1987 TOTAL	0.39	6.70	26.82	33.90
January	0.03	0.83	1.56	2.42
February	0.03	0.48	3.57	4.08
March	0.02	0.74	1.39	2.15
April	0.05	0.51	0.73	1.29
May	0.02	0.43	0.88	1.33
June	0.02	0.26	0.92	1.20
July	0.02	0.62	0.72	1.36
August	0.02	0.58	1.49	2.09
September	0.02	2.17	1.66	3.85
October	0.02	0.61	0.61	1.25
November	0.01	1.36	1.57	2.94
December	0.01	0.69	2.56	3.26
1988 TOTAL	0.29	9.28	17.65	27.22

FIGURE 11
 1988 UNITED STATES CRUDE OIL RESERVES
 Million Barrels



31

SOURCE: U.S. Department of Energy

Table 24

LOUISIANA ESTIMATED CRUDE OIL PROVED RESERVES⁸
 EXCLUDING LEASE CONDENSATE
 As of December 31st of Each Year
 (Million Barrels)

<u>YEAR</u>	<u>NORTH</u>	<u>SOUTH ONSHORE</u>	<u>SOUTH OFFSHORE</u>	<u>FEDERAL OCS</u>	<u>TOTAL STATE</u>
1977	244	1,382	1,974	N/A	3,600
1988	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

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

Table 25

LOUISIANA ESTIMATED DRY NATURAL GAS PROVED RESERVES⁸
 As of December 31st of Each Year
 (Billion Cubic Feet, at 14.73 psia and 60 degrees Fahrenheit)

<u>YEAR</u>	<u>NORTH</u>	<u>SOUTH ONSHORE</u>	<u>SOUTH OFFSHORE</u>	<u>FEDERAL OCS</u>	<u>TOTAL STATE</u>
1977	3,135	18,580	35,295	N/A	57,010
1978	3,203	17,755	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	16,113*	40,151
1986	2,515	9,103	1,312	25,454*	38,384
1987	2,306	8,693	1,431	23,260*	35,690

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

*Alabama State and Federal Offshore are included.

See footnotes in Appendix A.

Table 26

LOUISIANA ESTIMATED LEASE CONDENSATE PROVED RESERVES⁸
 As of December 31st of Each Year
 (Million Barrels)

<u>YEAR</u>	<u>NORTH</u>	<u>SOUTH ONSHORE</u>	<u>SOUTH OFFSHORE</u>	<u>FEDERAL OCS</u>	<u>TOTAL STATE</u>
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

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

Table 27

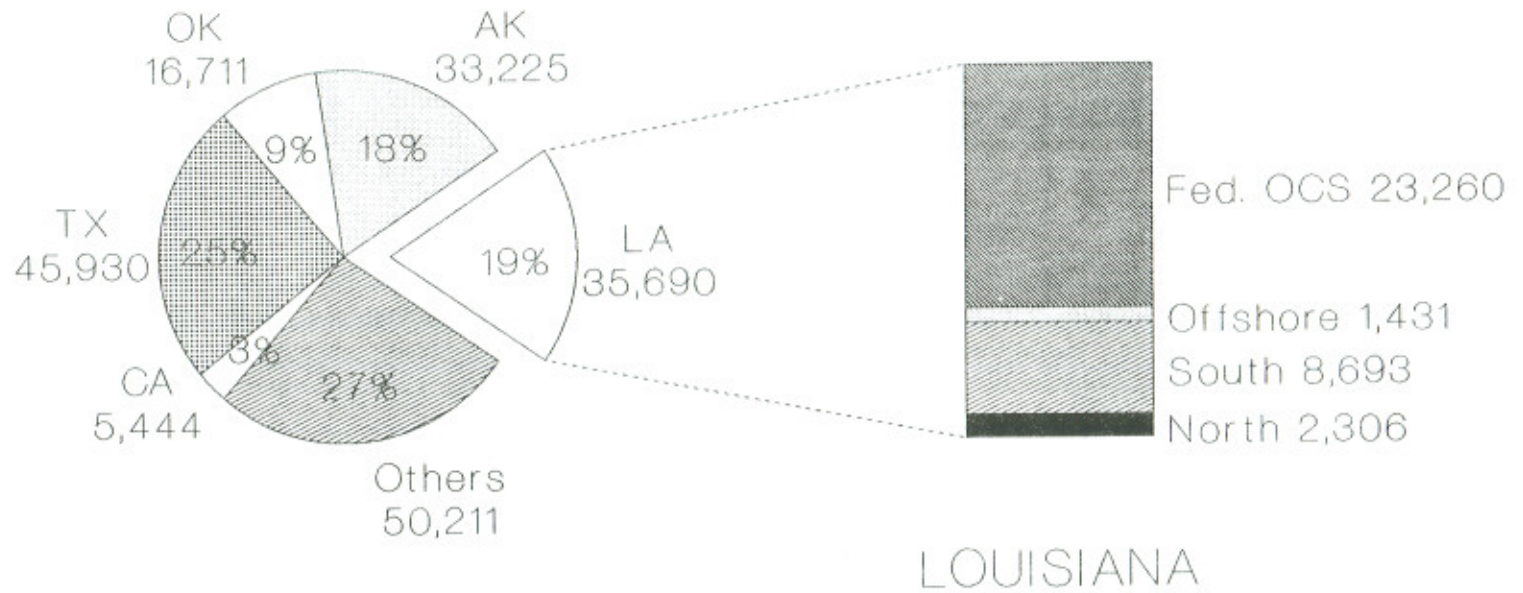
LOUISIANA ESTIMATED NATURAL GAS LIQUIDS PROVED RESERVES⁸
 EXCLUDING LEASE CONDENSATE
 As of December 31st of Each Year
 (Million Barrels)

<u>YEAR</u>	<u>NORTH</u>	<u>SOUTH ONSHORE</u>	<u>SOUTH OFFSHORE</u>	<u>FEDERAL OCS</u>	<u>TOTAL STATE</u>
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

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

See footnotes in Appendix A.

FIGURE 12
 1988 UNITED STATES NATURAL GAS RESERVES
 Billion Cubic Feet



SOURCE: U.S. Department of Energy

Table 28

LOUISIANA NONAGRICULTURAL EMPLOYMENT¹

<u>DATE</u>	<u>OIL & GAS PRODUCTION</u>	<u>OIL REFINING</u>	<u>CHEMICAL INDUSTRY</u>	<u>OIL PIPELINE</u>	<u>TOTAL EMPLOYMENT</u>
1980	85,778	13,287	33,490	1,143	1,543,378
1981	94,722	16,314	32,711	1,124	1,593,648
1982	92,225	13,111	33,984	1,026	1,568,540
1983	77,283	13,140	30,272	1,291	1,524,249
1984	78,023	13,053	29,104	1,266	1,560,478
1985	77,781	12,458	28,093	1,144	1,548,533
1986	58,888	12,233	25,998	1,168	1,475,318
January	50,984	12,200	25,357	1,060	1,415,770
February	50,494	12,181	25,070	1,051	1,411,980
March	50,453	12,155	25,064	1,043	1,417,889
April	50,306	12,181	25,300	1,041	1,432,171
May	51,866	12,165	25,425	1,050	1,442,647
June	51,866	12,269	25,336	1,063	1,445,654
July	52,077	12,280	25,400	1,070	1,425,852
August	52,522	12,335	25,427	1,071	1,429,864
September	52,789	12,314	25,452	1,056	1,449,096
October	53,571	12,206	25,341	1,036	1,463,490
November	53,845	12,203	25,480	1,032	1,462,938
December	54,628	12,214	25,492	1,040	1,468,165
1987 AVERAGE	52,045	12,225	25,345	1,051	1,438,649
January	53,627	11,306	26,445	1,033	1,431,157
February	53,726	11,261	26,517	1,030	1,435,620
March	54,557	11,306	26,583	1,026	1,450,728
April	54,512	11,293	26,547	1,033	1,462,768
May	54,681	11,322	26,623	1,038	1,472,134
June	55,144	11,385	26,907	1,049	1,479,884
July	55,166	11,328	27,300	1,057	1,463,902
August	55,068	11,323	27,055	1,051	1,468,930
September	54,961	11,331	27,204	1,049	1,485,684
October*	51,800	11,500	26,000	1,040	1,513,300
November*	51,700	11,400	26,100	1,040	1,516,000
December*	51,400	11,400	26,200	1,040	1,516,800
1988 AVERAGE	53,862	11,346	26,623	1,041	1,474,742

*Preliminary data.

See footnotes in Appendix A.

TABLE 29

LOUISIANA WELL COMPLETIONS BY TYPE AND BY REGION
Excluding Federal OCS

	<u>YEAR</u>	<u>NORTH</u>	<u>SOUTH</u>	<u>OFFSHORE</u>	<u>TOTAL</u>
C R U D E O I L	1975	395	370	31	796
	1976	434	332	31	797
	1977	453	279	28	760
	1978	467	262	42	771
	1979	552	244	28	824
	1980	926	272	20	1218
	1981	977	296	18	1351
	1982	1137	305	13	1455
	1983	1290	315	22	1627
	1984	1926	440	89	2452
	1985	1965	448	27	2440
	1986	640	241	24	905
	1987	307	211	11	529
	1988	434	348	21	803
N A T U R A L G A S	1975	420	205	23	648
	1976	705	211	19	935
	1977	773	297	28	1098
	1978	722	302	43	1067
	1979	989	312	30	1331
	1980	1301	282	40	1623
	1981	1167	314	31	1564
	1982	944	331	50	1325
	1983	635	224	25	884
	1984	628	240	28	889
	1985	678	240	28	946
	1986	198	145	9	352
	1987	236	148	9	393
	1988	264	124	5	393
D R Y	1975	390	580	40	1010
	1976	404	536	32	972
	1977	490	565	23	1078
	1978	589	631	18	1238
	1979	575	643	36	1254
	1980	822	682	51	1555
	1981	869	842	52	1763
	1982	978	696	38	1712
	1983	915	575	52	1542
	1984	1106	734	41	1881
	1985	974	571	37	1582
	1986	503	442	17	962
	1987	401	304	17	722
	1988	435	302	14	751

See footnotes in Appendix A.

FIGURE 13
LOUISIANA WELL COMPLETIONS BY TYPE

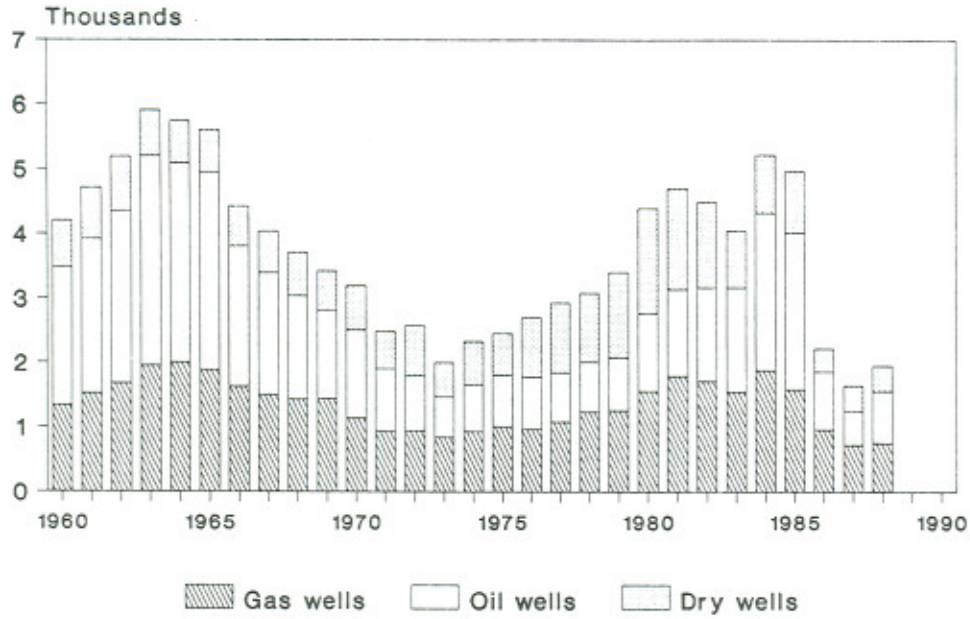
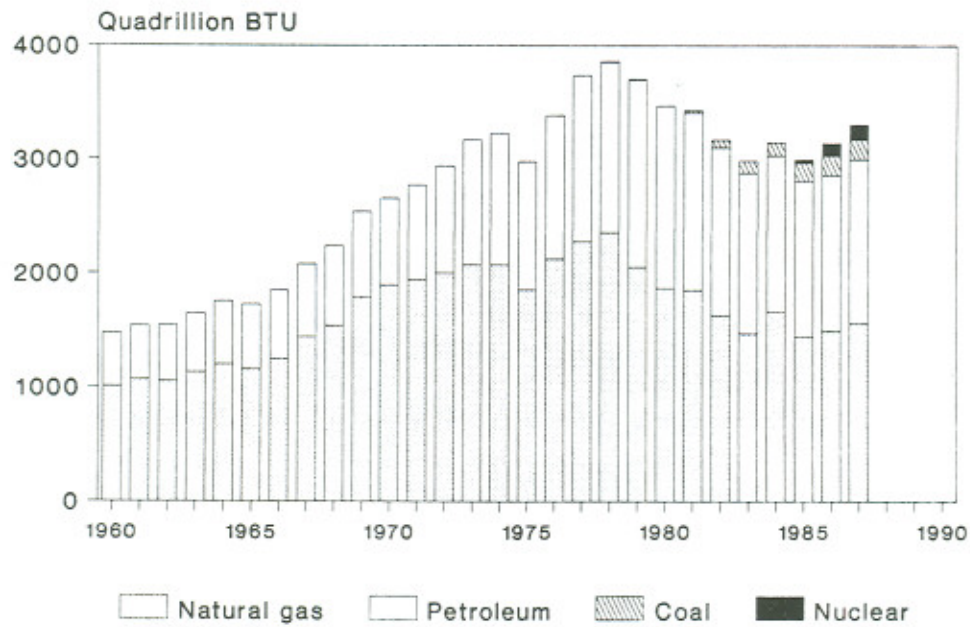


FIGURE 14
LOUISIANA ENERGY CONSUMPTION BY SOURCE



SOURCE: U.S. Department of Energy

TABLE 30

LOUISIANA ENERGY CONSUMPTION ESTIMATES BY SOURCE¹⁰

<u>YEAR</u>	<u>TOTAL ENERGY</u> (TBTU)	<u>TOTAL NATURAL GAS</u> (BCF)	<u>TOTAL PETROLEUM</u> (MBBLS)	<u>COAL</u> (MST)	<u>NUCLEAR</u> (MMKWH)
1960	1,467	970	88,442	N/A	0
1961	1,531	1,029	89,476	N/A	0
1962	1,545	1,015	93,592	N/A	0
1963	1,648	1,091	98,951	N/A	0
1964	1,752	1,144	105,763	N/A	0
1965	1,726	1,110	108,911	N/A	0
1966	1,841	1,202	115,490	N/A	0
1967	2,084	1,394	122,625	N/A	0
1968	2,252	1,521	134,314	N/A	0
1969	2,529	1,763	147,627	N/A	0
1970	2,658	1,841	149,774	0	0
1971	2,765	1,884	162,900	0	0
1972	2,944	1,941	186,077	0	0
1973	3,179	2,010	212,348	0	0
1974	3,267	2,008	222,287	0	0
1975	2,985	1,789	213,761	0	0
1976	3,374	2,044	237,153	0	0
1977	3,748	2,191	270,942	79	0
1978	3,882	2,249	279,435	172	0
1979	3,777	1,978	307,680	118	0
1980	3,594	1,794	296,302	111	0
1981	3,615	1,782	295,536	1,363	0
1982	3,369	1,556	287,807	3,724	0
1983	3,209	1,413	276,207	6,154	0
1984	3,400	1,594	258,617	6,855	0
1985	3,195	1,386	260,869	9,217	2,457
1986	3,229	1,439	256,143	10,459	10,637
1987	3,410	1,501	267,360	10,391	12,324

TBTU = Trillion Btu
 BCF = Billion Cubic Feet
 MBBLS = Thousand Barrels
 MST = Thousand Short Tons
 MMKWH = Million Kilowatt-hours
 N/A = Not Available

See footnotes in Appendix A.

Appendix A

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-- OIL & GAS JOURNAL, Tulsa, OK: PennWell Publishing Co.
- 5-- PETROLEUM MARKETING MONTHLY and PETROLEUM MARKETING ANNUAL, Washington D.C.: U.S. Department of Energy, Energy Information Administration.
- 6-- PETROLEUM SUPPLY MONTHLY and PETROLEUM SUPPLY ANNUAL, Washington D.C.: U.S. Department of Energy, Energy Information Administration.
- 7-- SEVERANCE TAX, Baton Rouge, LA: Louisiana Department of Revenue and Taxation, Severance Tax Section.
- 8-- U.S. CRUDE OIL, NATURAL GAS and NATURAL GAS LIQUIDS RESERVES, Washington D.C.: U.S. Department of Energy, Energy Information Administration.
- 9-- THE WALL STREET JOURNAL, Beaumont, TX: Dow Jones and Company.
- 10-- STATE ENERGY DATA REPORT Washington D.C.: U.S. Department of Energy, Energy Information Administration.

Appendix B

GLOSSARY

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

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.

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

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

FOB Price (Free on board) -- The FOB price is 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.

LEASE CONDENSATE -- A mixture consisting primarily of pentane and heavier hydrocarbons which 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 OFFSHORE -- It is 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.

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.

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 nonhydrocarbon gases which 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 either 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 volumes of natural gas which remain after: (1) the liquefiable hydrocarbon portion has been removed from the gas stream, and (2) any volumes of nonhydrocarbon gases have been removed where they occur in sufficient quantity to render the gas unmarketable.

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 nonhydrocarbon gases removed in treating or processing operations. Includes all quantities of gas used in field and processing operations.

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, condensation, adsorption, 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 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.

NATURAL GAS, Wet After Lease Separation -- The volume of natural gas remaining after removal of lease condensate in lease and/or field separation facilities, if any, and after exclusion of nonhydrocarbon gases where they occur in sufficient quantities to render the gas unmarketable. Natural gas liquids may be recovered from volumes of natural gas, wet after lease separation, at natural gas processing plants.

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.

PROVED RESERVES OF CRUDE OIL -- Proved reserves of crude oil as of December 31 of the report year are 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 -- Proved reserves of lease condensate as of December 31 of the report year are the volumes of lease condensate 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 -- Proved reserves of natural gas as of December 31 of the report year are the estimated quantities 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 -- Proved reserves of natural gas liquids as of December 31 of the report year are those volumes of natural gas liquids (including lease condensate), 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.

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: (1) that portion delineated by drilling and defined by gas-oil and/or gas-water contacts, if any; and (2) 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.

STATE OFFSHORE -- (See LOUISIANA OFFSHORE).

Appendix C

STANDARD ABBREVIATIONS FOR STATE NAMES

AL	Alabama	MT	Montana
AK	Alaska	NE	Nebraska
AZ	Arizona	NV	Nevada
AR	Arkansas	NH	New Hampshire
CA	California	NJ	New Jersey
CO	Colorado	NM	New Mexico
CT	Connecticut	NY	New York
DE	Delaware	NC	North Carolina
DC	District of Columbia	ND	North Dakota
FL	Florida	OH	Ohio
GA	Georgia	OK	Oklahoma
HA	Hawaii	OR	Oregon
ID	Idaho	PA	Pennsylvania
IL	Illinois	PR	Puerto Rico
IN	Indiana	RI	Rhode Island
IA	Iowa	SC	South Carolina
KS	Kansas	SD	South Dakota
KY	Kentucky	TN	Tennessee
LA	Louisiana	TX	Texas
ME	Maine	UT	Utah
MD	Maryland	VT	Vermont
MA	Massachusetts	VA	Virginia
MI	Michigan	WA	Washington
MN	Minnesota	WV	West Virginia
MS	Mississippi	WI	Wisconsin
MO	Missouri	WY	Wyoming

ARCHIVE COPY
Technology Assessment Division

DNR