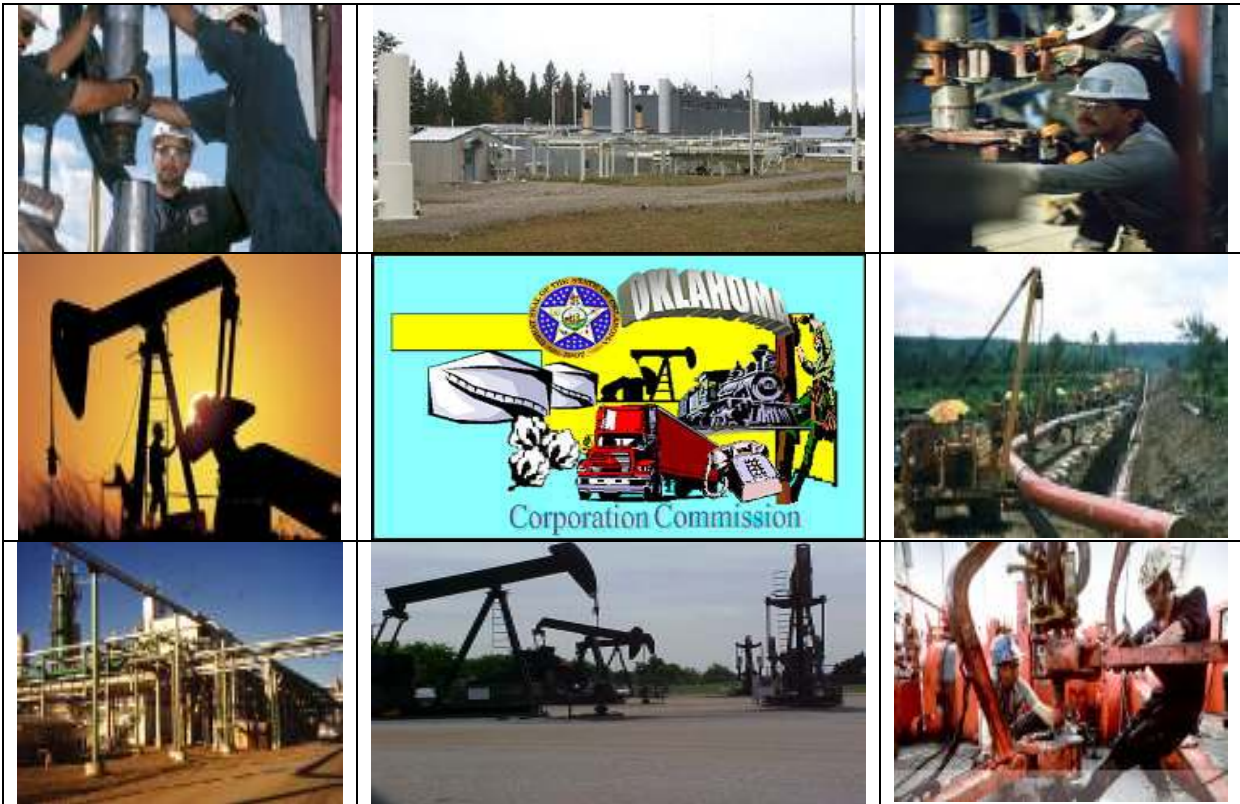


# OKLAHOMA CORPORATION COMMISSION

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## 2004 REPORT ON CRUDE OIL AND NATURAL GAS ACTIVITY WITHIN THE STATE OF OKLAHOMA

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Report Prepared By:

Technical Services Department  
Oil and Gas Conservation Division

June 1, 2005

**OKLAHOMA CORPORATION COMMISSION**  
**2101 N Lincoln Blvd**  
**PO Box 52000**  
**Oklahoma City, OK 73152-2000**



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**2004 REPORT**  
**ON**  
**OIL AND NATURAL GAS**  
**ACTIVITY**  
**WITHIN THE STATE OF OKLAHOMA**

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## PREFACE

The 2004 edition of the Report on Crude Oil and Natural Gas Activity is designed to acquaint the general public with oil and gas statistics for the State of Oklahoma. This publication is a summary of statistics for the calendar year 2004.

In addition to this summary of annual statistics, the Technical Services Department also publishes a Monthly Crude Oil and Natural Gas Production Report, which is a summary of provisional and revised data by county for the State of Oklahoma. This report is available to any interested parties free of charge upon written request.

Also, all of the information contained within this report and the monthly report is available on the World Wide Web at [www.occeweb.com](http://www.occeweb.com) in PDF format.

All comments or suggestions for future reports or for further information should be directed to the following person:

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## **ACKNOWLEDGEMENTS**

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We appreciate the assistance of all those who have helped in the preparation of this publication.

Larry Claxton  
Manager of Statistical Services  
Technical Services Department  
Oil and Gas Conservation Division

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# Oklahoma Factoids

## General Overview

- **Population:** 3,523,553 (2004) (ranked 28<sup>th</sup>)
- **Per Capita Income:** \$26,656 (2003) (ranked 40<sup>th</sup>)
- **Total Energy Consumption:** 1.5 quadrillion Btu (2001) (ranked 24<sup>th</sup>)
- **Per Capita Energy Consumption:** 444 million Btu (2001) (ranked 8<sup>th</sup>)
- **Total Petroleum Consumption:** 12.3 million gallons per day (2001) (ranked 22<sup>nd</sup>)
- **Gasoline Consumption:** 5.0 million gallons per day (2001) (ranked 27<sup>th</sup>)
- **Distillate Fuel Consumption:** 4.1 million gallons per day (2001) (ranked 14<sup>th</sup>)
- **Liquefied Petroleum Gas Consumption:** 0.6 millions gallons per day (2001) (ranked 26<sup>th</sup>)
- **Jet Fuel Consumption:** 0.8 million gallons per day (2001) (ranked 23<sup>rd</sup>)
- **Natural Gas Consumption:** 533,666 million cubic feet (2003) (ranked 11<sup>th</sup>)

## Petroleum Supply (Upstream)

- **Crude Oil Proved Reserves:** 588 million barrels (2003) (ranked 5<sup>th</sup>) Accounts for 3 percent of U.S. crude oil proved reserves.
- **Crude Oil Production:** 178 thousand barrels per day (2003) (ranked 6<sup>th</sup>) Accounts for 3 percent of U.S. crude oil production.
- **Total Producing Oil Wells:** 83,750 (2004)
- **Rotary Rigs In Operation:** 159 (2004)

## Natural Gas Supply

- **Natural Gas Proved Reserves:** 15.401 trillion cubic feet (2003) (ranked 4<sup>th</sup>)
- **Natural gas Production:** 1.662 trillion cubic feet (2003) (ranked 2<sup>nd</sup>) Accounts for 9 percent of U.S. natural gas production.
- **Total Producing Gas Wells:** 35,612 (2004)

## Transportation:

- **Major Pipelines:**
  - **Crude Oil** – Sun, ShellTexaco, Ozark, Koch, Duke, ConocoPhillips, BP Amoco, Seaway, Natural Gas Clearinghouse, Arco, ExxonMobil, Ultramar Shamrock, Jayhawk, Farmland Industries
  - **Product** – Williams, ConocoPhillips, Explorer, Citgo, Emerald
  - **Liquefied Petroleum Gas** – ConocoPhillips, DSE, ExxonMobil, Koch, PDIM, Trans Texas
- **Ports and Waterway Systems:** Catoosa (Port)

## **Refining and Marketing (Downstream)**

- **Refineries:** Distillation capacity of 476,505 Barrels Per Calendar Day (BCD) (2004)
  - **ConocoPhillips**
  - **Sinclair Oil Corporation**
  - **Sunoco Inc.**
  - **TPI Petro Inc.**
  - **Wynnewood Refining Company**
  
- **Gasoline Stations:** 4,091 outlets (2004) or about 2.4 percent of U.S. total.

*Sources and notes: Energy Information Administration, Bureau of Census, and National Petroleum News "Market Facts 2003." Rankings include the District of Columbia.*

OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

2004 ANNUAL LIQUIDS AND GAS RUNS

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
ADAIR	0	0	0	0	0	0
ALFALFA	453,893	433,972	19,921	5,390,200	100,542	5,289,658
ATOKA	10,806	10,806	0	1,740,391	0	1,740,391
BEAVER	1,425,671	1,380,935	44,735	58,574,332	694,165	57,880,167
BECKHAM	419,094	390,382	28,712	140,850,113	520	140,849,593
BLAINE	424,449	403,702	20,747	44,773,408	257,398	44,516,010
BRYAN	67,566	67,423	143	2,127,610	0	2,127,610
CADDO	2,075,274	2,018,047	57,227	90,529,118	450,169	90,078,949
CANADIAN	1,037,001	1,002,327	34,675	54,085,994	1,895,115	52,190,879
CARTER	7,039,975	7,037,291	2,684	14,620,253	5,254,579	9,365,674
CHEROKEE	0	0	0	0	0	0
CHOCTAW	0	0	0	0	0	0
CIMARRON	129,328	129,328	0	2,138,376	35,415	2,102,961
CLEVELAND	665,347	664,714	633	1,592,328	906,365	685,963
COAL	175,143	174,966	177	5,907,308	97,422	5,809,886
COMANCHE	221,260	220,891	369	2,060,252	47,751	2,012,501
COTTON	142,254	142,254	0	63,623	0	63,623
CRAIG	309	309	0	1,623,532	1,423	1,622,109
CREEK	2,367,491	2,352,622	14,869	2,576,940	1,275,214	1,301,726
CUSTER	669,672	631,513	38,159	68,421,866	151,326	68,270,540
DELAWARE	0	0	0	0	0	0
DEWEY	805,255	755,452	49,803	36,208,781	162,558	36,046,223
ELLIS	613,886	569,975	43,912	33,244,916	601,987	32,642,929
GARFIELD	594,568	571,913	22,655	16,691,151	756,182	15,934,969
GARVIN	3,491,524	3,470,086	21,437	31,386,962	9,487,839	21,899,123
GRADY	3,819,394	3,707,925	111,470	91,068,891	4,586,488	86,482,403
GRANT	461,176	460,231	946	6,352,156	70,126	6,282,030
GREER	3,891	3,891	0	61,912	825	61,087
HARMON	2,825	2,825	0	0	0	0
HARPER	255,599	244,015	11,585	24,582,459	22,603	24,559,856
HASKELL	0	0	0	37,496,598	0	37,496,598
HUGHES	374,126	360,566	13,560	8,071,948	490,875	7,581,073
JACKSON	97,806	97,806	0	38,754	38,754	0
JEFFERSON	484,612	484,612	0	15,692	4,800	10,892
JOHNSTON	3,059	3,059	0	40,673	0	40,673
KAY	691,640	690,550	1,090	1,115,296	24,815	1,090,481
KINGFISHER	1,163,616	1,154,739	8,877	28,277,689	2,432,488	25,845,201
KIOWA	21,151	21,151	0	3,456,907	0	3,456,907
LATIMER	0	0	0	126,700,180	149	126,700,031
LEFLORE	0	0	0	25,876,206	0	25,876,206
LINCOLN	1,190,191	1,189,536	655	14,561,192	6,624,493	7,936,699
LOGAN	791,351	787,822	3,529	24,210,304	2,778,984	21,431,320
LOVE	593,917	592,032	1,885	3,875,827	115,911	3,759,916
MCCLAIN	1,100,468	1,079,916	20,552	14,555,392	6,173,050	8,382,342

OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

2004 ANNUAL LIQUIDS AND GAS RUNS

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
MCCURTAIN	0	0	0	0	0	0
MCINTOSH	2,574	2,574	0	4,914,573	201,295	4,713,278
MAJOR	1,599,810	1,581,164	18,646	47,177,427	454,498	46,722,929
MARSHALL	175,697	173,705	1,992	4,763,143	0	4,763,143
MAYES	32,518	32,518	0	65	0	65
MURRAY	353,667	353,667	0	40,201	4,295	35,906
MUSKOGEE	70,974	70,974	0	287,481	5,238	282,243
NOBLE	1,191,776	1,191,304	472	5,030,701	15,929	5,014,772
NOWATA	147,854	147,854	0	8,538,064	63,481	8,474,583
OKFUSKIE	389,414	384,083	5,331	3,114,446	799,645	2,314,801
OKLAHOMA	1,743,702	1,725,282	18,420	10,932,543	1,884,744	9,047,799
OKMULGEE	362,651	360,313	2,339	1,815,027	250,598	1,564,429
OSAGE	3,891,252	3,891,252	0	7,085,498	587,003	6,498,495
OTTAWA	0	0	0	0	0	0
PAWNEE	451,495	451,495	0	546,429	275,495	270,934
PAYNE	778,056	777,070	986	3,420,233	627,617	2,792,616
PITTSBURG	1,048	872	176	83,801,426	96,441	83,704,985
PONTOTOC	2,500,400	2,500,400	0	1,125,403	127,179	998,224
POTTAWATOMIE	1,496,595	1,496,282	313	7,047,466	1,743,409	5,304,057
PUSHMATAHA	875	875	0	10,046,543	0	10,046,543
ROGER MILLS	673,312	591,218	82,094	125,661,607	312,452	125,349,155
ROGERS	31,158	31,158	0	1,484,589	410	1,484,179
SEMINOLE	1,894,232	1,894,077	154	4,241,220	1,098,847	3,142,373
SEQUOYAH	336	336	0	3,291,790	0	3,291,790
STEPHENS	6,489,931	6,250,673	239,258	56,414,524	2,575,992	53,838,532
TEXAS	3,665,730	3,643,043	22,688	84,390,523	0	84,390,523
TILLMAN	80,582	80,582	0	0	0	0
TULSA	292,929	292,929	0	795,471	71,487	723,984
WAGONER	24,636	24,636	0	39,051	20,071	18,980
WASHINGTON	234,504	234,504	0	5,204,192	73,775	5,130,417
WASHITA	592,264	572,928	19,335	76,898,745	0	76,898,745
WOODS	492,398	476,106	16,291	25,582,769	165,357	25,417,412
WOODWARD	269,937	260,765	9,172	38,299,641	105,698	38,193,943
TOTAL FOR YEAR	63,816,895	62,804,222	1,012,674	1,646,956,321	57,101,287	1,589,855,034
DAILY AVERAGE	174,363	171,596	2,767	4,499,881	156,014	4,343,866
AVERAGE PRICE FOR YEAR	\$39.70	\$40.08	\$39.31	\$5.42	\$5.35	\$5.49
TOTAL FOR 1 YEAR AGO	64,676,767	63,401,691	1,275,077	1,566,663,548	71,089,757	1,495,573,791
DAILY AVERAGE 1 YEAR AGO	177,197	173,703	3,493	4,292,229	194,766	4,097,462
AVERAGE PRICE 1 YEAR AGO	\$30.02	\$29.75	\$30.28	\$4.84	\$4.73	\$4.94

Source: Oklahoma Tax Commission

OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

2003 ANNUAL LIQUIDS AND GAS RUNS

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
ADAIR	0	0	0	0	0	0
ALFALFA	545,488	522,858	22,630	5,465,430	196,386	5,269,044
ATOKA	2,816	2,816	0	1,254,998	0	1,254,998
BEAVER	1,451,335	1,378,183	73,152	58,764,656	756,805	58,007,851
BECKHAM	461,150	417,080	44,069	125,761,807	570,817	125,190,990
BLAINE	462,113	441,385	20,728	43,898,764	543,863	43,354,901
BRYAN	62,483	62,483	0	2,136,740	0	2,136,740
CADDO	2,094,486	2,024,511	69,975	96,512,010	694,051	95,817,959
CANADIAN	1,033,541	983,558	49,984	45,018,837	2,039,040	42,979,797
CARTER	7,305,362	7,301,873	3,489	14,951,114	5,406,989	9,544,125
CHEROKEE	0	0	0	0	0	0
CHOCTAW	0	0	0	0	0	0
CIMARRON	144,725	144,725	0	2,239,393	32,439	2,206,954
CLEVELAND	642,645	642,459	186	1,794,178	1,040,684	753,494
COAL	127,044	126,526	518	6,317,514	108,819	6,208,695
COMANCHE	272,526	271,075	1,450	2,237,362	41,488	2,195,874
COTTON	150,300	150,300	0	38,336	0	38,336
CRAIG	465	465	0	1,805,490	0	1,805,490
CREEK	2,408,900	2,388,243	20,657	2,259,325	1,148,505	1,110,820
CUSTER	725,635	667,551	58,084	72,771,752	366,123	72,405,629
DELAWARE	0	0	0	0	0	0
DEWEY	755,773	707,247	48,526	35,339,408	237,843	35,101,565
ELLIS	560,053	508,754	51,299	32,111,382	669,656	31,441,726
GARFIELD	635,242	604,746	30,497	16,683,763	973,189	15,710,574
GARVIN	3,681,399	3,644,739	36,660	32,686,885	11,438,278	21,248,607
GRADY	3,910,215	3,806,782	103,433	93,110,396	4,813,613	88,296,783
GRANT	517,174	515,413	1,761	4,735,938	77,980	4,657,958
GREER	3,372	3,372	0	68,212	371	67,841
HARMON	4,086	4,086	0	0	0	0
HARPER	200,210	184,332	15,878	24,356,636	50,132	24,306,504
HASKELL	0	0	0	29,853,676	0	29,853,676
HUGHES	383,213	368,785	14,429	7,826,938	458,230	7,368,708
JACKSON	103,182	103,182	0	32,369	32,369	0
JEFFERSON	465,314	465,314	0	9,809	5,553	4,256
JOHNSTON	3,434	3,434	0	36,348	0	36,348
KAY	668,349	666,678	1,671	960,523	107,464	853,059
KINGFISHER	1,187,769	1,178,539	9,231	26,276,141	3,078,619	23,197,522
KIOWA	24,798	24,798	0	3,279,350	0	3,279,350
LATIMER	0	0	0	107,958,994	72	107,958,922
LEFLORE	0	0	0	23,517,856	0	23,517,856
LINCOLN	1,343,779	1,342,280	1,500	15,967,868	8,639,481	7,328,387
LOGAN	908,593	905,267	3,326	22,839,755	3,307,344	19,532,411
LOVE	700,082	697,997	2,085	3,397,639	124,309	3,273,330
MCCLAIN	1,185,160	1,156,874	28,287	15,256,664	6,941,656	8,315,008

OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

2003 ANNUAL LIQUIDS AND GAS RUNS

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
MCCURTAIN	0	0	0	0	0	0
MCINTOSH	2,108	2,024	84	4,741,872	154,455	4,587,417
MAJOR	1,753,378	1,727,812	25,567	47,558,161	983,784	46,574,377
MARSHALL	209,814	206,542	3,271	4,586,794	0	4,586,794
MAYES	25,918	25,918	0	65	0	65
MURRAY	401,521	401,521	0	109,272	7,016	102,256
MUSKOGEE	80,209	80,209	0	263,154	9,363	253,791
NOBLE	1,132,344	1,131,619	724	4,397,124	355,795	4,041,329
NOWATA	146,274	146,274	0	7,847,140	42,632	7,804,508
OKFUSKEE	409,319	404,611	4,708	3,084,678	849,181	2,235,497
OKLAHOMA	1,722,027	1,694,341	27,686	9,585,043	2,093,840	7,491,203
OKMULGEE	372,760	370,434	2,326	1,814,696	268,753	1,545,943
OSAGE	4,053,450	4,053,450	0	5,030,584	598,025	4,432,559
OTTAWA	0	0	0	0	0	0
PAWNEE	485,676	485,676	0	570,957	233,846	337,111
PAYNE	779,739	778,752	987	1,861,386	538,478	1,322,908
PITTSBURG	0	0	0	71,470,734	36,246	71,434,488
PONTOTOC	2,537,956	2,537,956	0	1,494,070	102,026	1,392,044
POTTAWATOMIE	1,497,754	1,497,281	472	2,460,405	974,577	1,485,828
PUSHMATAHA	0	0	0	11,888,776	0	11,888,776
ROGER MILLS	580,065	460,697	119,368	123,003,264	3,408,639	119,594,625
ROGERS	34,525	34,525	0	1,225,967	845	1,225,122
SEMINOLE	1,895,866	1,895,723	143	4,353,207	1,260,979	3,092,228
SEQUOYAH	0	0	0	3,135,246	0	3,135,246
STEPHENS	6,161,582	5,890,226	271,356	44,586,204	2,691,424	41,894,780
TEXAS	3,254,390	3,221,428	32,962	90,352,683	0	90,352,683
TILLMAN	71,031	71,031	0	0	0	0
TULSA	296,638	296,638	0	844,206	83,562	760,644
WAGONER	40,839	40,839	0	41,556	23,592	17,964
WASHINGTON	256,846	256,846	0	4,748,767	88,281	4,660,486
WASHITA	632,257	600,154	32,103	76,586,511	2,085,443	74,501,068
WOODS	468,522	449,548	18,974	23,666,529	139,208	23,527,321
WOODWARD	241,746	220,904	20,842	35,820,241	157,599	35,662,642
TOTAL FOR YEAR	64,676,767	63,401,691	1,275,077	1,566,663,548	71,089,757	1,495,573,791
DAILY AVERAGE	177,197	173,703	3,493	4,292,229	194,766	4,097,462
AVERAGE PRICE FOR YEAR	\$30.02	\$29.75	\$30.28	\$4.83	\$4.73	\$4.94
TOTAL FOR 1 YEAR AGO	66,030,455	64,779,673	1,250,782	1,581,845,640	128,033,760	1,453,811,880
DAILY AVERAGE 1 YEAR AGO	180,905	177,479	3,427	4,333,824	350,777	3,983,046
AVERAGE PRICE 1 YEAR AGO	\$24.44	\$24.57	\$24.31	\$2.94	\$2.96	\$2.92

Source: Oklahoma Tax Commission

OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

2002 ANNUAL LIQUIDS AND GAS RUNS

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
ADAIR	0	0	0	0	0	0
ALFALFA	567,836	544,579	23,257	5,568,989	470,660	5,098,329
ATOKA	3,769	3,769	0	1,407,586	0	1,407,586
BEAVER	1,670,244	1,600,902	69,343	62,876,261	747,397	62,128,864
BECKHAM	508,836	456,241	52,595	88,902,049	3,333,877	85,568,172
BLAINE	560,286	533,462	26,824	45,479,463	1,085,095	44,394,368
BRYAN	40,261	40,261	0	2,189,988	0	2,189,988
CADDO	2,051,988	1,966,639	85,348	103,080,557	2,332,692	100,747,865
CANADIAN	1,086,835	1,027,540	59,295	50,478,834	3,028,638	47,450,196
CARTER	7,662,397	7,659,490	2,908	16,539,477	7,047,772	9,491,705
CHEROKEE	0	0	0	0	0	0
CHOCTAW	0	0	0	0	0	0
CIMARRON	126,406	125,391	1,015	2,529,240	44,812	2,484,428
CLEVELAND	607,827	607,319	508	1,956,926	1,122,356	834,570
COAL	105,108	104,757	350	5,741,674	121,418	5,620,256
COMANCHE	346,744	344,802	1,942	2,691,120	42,480	2,648,640
COTTON	150,316	150,316	0	46,874	0	46,874
CRAIG	860	860	0	825,415	0	825,415
CREEK	2,381,828	2,359,632	22,196	2,230,887	1,283,528	947,359
CUSTER	694,534	608,873	85,661	69,770,953	1,418,447	68,352,506
DELAWARE	0	0	0	0	0	0
DEWEY	652,523	607,453	45,070	37,551,646	392,716	37,158,930
ELLIS	527,367	465,348	62,019	33,244,008	876,821	32,367,187
GARFIELD	593,675	564,282	29,394	17,801,867	2,133,159	15,668,708
GARVIN	3,312,249	3,286,072	26,177	40,418,943	18,470,243	21,948,700
GRADY	4,070,167	3,956,867	113,300	94,832,156	7,039,966	87,792,190
GRANT	611,336	608,407	2,928	3,740,093	46,552	3,693,541
GREER	5,721	5,721	0	73,941	132	73,809
HARMON	4,631	4,631	0	0	0	0
HARPER	207,111	189,493	17,619	26,193,456	93,542	26,099,914
HASKELL	0	0	0	26,663,709	0	26,663,709
HUGHES	387,059	367,078	19,981	7,038,406	508,851	6,529,555
JACKSON	145,474	107,752	37,722	2,852	2,852	0
JEFFERSON	416,414	416,414	0	17,457	12,261	5,196
JOHNSTON	3,590	3,590	0	38,565	0	38,565
KAY	667,861	666,462	1,399	1,257,029	679,053	577,976
KINGFISHER	1,121,453	1,109,369	12,084	28,306,742	5,306,009	23,000,733
KIOWA	28,853	28,853	0	4,749,220	0	4,749,220
LATIMER	1,243	1,243	0	117,970,518	0	117,970,518
LEFLORE	0	0	0	23,622,235	0	23,622,235
LINCOLN	1,865,174	1,862,135	3,039	26,534,736	19,423,376	7,111,360
LOGAN	1,046,843	1,043,227	3,616	19,165,335	4,414,224	14,751,111
LOVE	678,085	675,918	2,167	3,744,712	623,688	3,121,024
MCCLAIN	1,227,566	1,195,252	32,314	16,499,982	8,342,081	8,157,901



OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

2002 ANNUAL LIQUIDS AND GAS RUNS

COUNTY NAME	TOTAL LIQUIDS (1+2)	BARRELS		TOTAL GAS (4+5)	MCF	
		CRUDE OIL (1)	CONDENSATE OIL (2)		CASINGHEAD GAS (4)	NATURAL GAS (5)
MCCURTAIN	0	0	0	0	0	0
MCINTOSH	2,183	2,048	136	5,285,500	0	5,285,500
MAJOR	1,874,404	1,847,296	27,108	50,722,994	2,256,923	48,466,071
MARSHALL	165,529	161,884	3,645	3,980,687	93,869	3,886,818
MAYES	26,048	26,048	0	0	0	0
MURRAY	389,994	389,994	0	105,205	7,752	97,453
MUSKOGEE	67,329	67,257	72	322,516	14,588	307,928
NOBLE	1,185,917	1,185,260	656	4,942,458	1,745,294	3,197,164
NOWATA	157,101	157,101	0	7,248,290	37,784	7,210,506
OKFUSKEE	429,982	425,798	4,184	3,284,777	831,098	2,453,679
OKLAHOMA	1,725,503	1,694,950	30,554	9,880,373	2,480,885	7,399,488
OKMULGEE	372,187	369,138	3,049	1,908,075	336,191	1,571,884
OSAGE	4,079,850	4,079,850	0	3,782,145	864,351	2,917,794
OTTAWA	0	0	0	0	0	0
PAWNEE	517,970	517,970	0	586,490	258,751	327,739
PAYNE	803,258	801,093	2,165	1,591,269	612,553	978,716
PITTSBURG	0	0	0	69,610,366	0	69,610,366
PONTOTOC	2,477,778	2,477,778	0	1,283,618	96,176	1,187,442
POTTAWATOMIE	1,520,071	1,519,153	918	1,335,027	741,006	594,021
PUSHMATAHA	0	0	0	14,425,267	0	14,425,267
ROGER MILLS	632,889	482,988	149,901	123,980,150	12,144,755	111,835,395
ROGERS	33,068	33,068	0	822,100	1,137	820,963
SEMINOLE	2,030,804	2,030,804	0	4,049,669	1,571,577	2,478,092
SEQUOYAH	0	0	0	3,379,118	0	3,379,118
STEPHENS	5,460,917	5,396,629	64,288	40,212,689	4,457,017	35,755,672
TEXAS	3,927,649	3,907,090	20,559	95,517,162	8,470	95,508,692
TILLMAN	70,011	70,011	0	0	0	0
TULSA	297,175	297,175	0	805,119	154,711	650,408
WAGONER	33,882	33,882	0	77,236	32,614	44,622
WASHINGTON	250,341	250,341	0	4,638,344	71,610	4,566,734
WASHITA	676,476	617,712	58,764	83,784,469	8,442,757	75,341,712
WOODS	474,804	460,503	14,301	21,382,653	138,006	21,244,647
WOODWARD	206,866	176,456	30,410	31,117,973	189,187	30,928,786
TOTAL FOR YEAR	66,030,455	64,779,673	1,250,782	1,581,845,640	128,033,760	1,453,811,880
DAILY AVERAGE	180,905	177,479	3,427	4,333,824	349,819	3,983,046
AVERAGE PRICE FOR YEAR	\$24.44	\$24.57	\$24.31	\$2.94	\$2.96	\$2.92
TOTAL FOR 1 YEAR AGO	68,725,026	66,842,279	1,882,747	1,603,732,986	147,795,423	1,455,937,563
DAILY AVERAGE 1 YEAR AGO	187,773	183,130	5,158	4,381,784	404,919	3,988,870
AVERAGE PRICE 1 YEAR AGO	\$24.64	\$24.69	\$24.59	\$4.02	\$4.00	\$4.04

Source: Oklahoma Tax Commission

OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

2001 ANNUAL LIQUIDS AND GAS RUNS

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
ADAIR	0	0	0	64,260	0	64,260
ALFALFA	605,637	586,728	18,909	5,713,480	470,660	5,242,820
ATOKA	2,228	2,228	0	1,877,018	0	1,877,018
BEAVER	1,163,943	1,078,793	85,150	63,628,499	747,397	62,881,102
BECKHAM	524,065	474,143	49,923	76,683,899	3,333,877	73,350,022
BLAINE	489,064	451,026	38,038	48,702,231	1,085,095	47,617,136
BRYAN	45,367	45,367	0	1,637,719	0	1,637,719
CADDO	2,164,759	2,038,991	125,768	87,573,024	2,332,692	85,240,332
CANADIAN	1,187,247	1,110,396	76,850	49,164,653	3,028,638	46,136,015
CARTER	7,459,153	7,455,469	3,684	16,882,868	7,047,772	9,835,096
CHEROKEE	0	0	0	0	0	0
CHOCTAW	0	0	0	0	0	0
CIMARRON	126,914	122,280	4,634	3,264,001	44,812	3,219,189
CLEVELAND	669,921	669,553	368	1,903,817	1,122,356	781,461
COAL	118,420	117,567	853	4,250,523	121,418	4,129,105
COMANCHE	331,435	329,730	1,705	2,882,896	42,480	2,840,416
COTTON	161,667	161,667	0	37,782	0	37,782
CRAIG	654	654	0	69,437	0	69,437
CREEK	2,396,787	2,389,667	7,121	2,300,256	1,283,528	1,016,728
CUSTER	731,109	447,518	283,591	72,272,429	1,418,447	70,853,982
DELAWARE	0	0	0	0	0	0
DEWEY	667,529	587,570	79,960	42,920,165	392,716	42,527,449
ELLIS	601,749	528,830	72,919	35,730,533	876,821	34,853,712
GARFIELD	767,598	733,006	34,592	18,870,416	2,133,159	16,737,257
GARVIN	3,534,956	3,446,358	88,598	36,646,837	18,470,243	18,176,594
GRADY	4,101,263	3,946,751	154,512	106,502,577	7,039,966	99,462,611
GRANT	547,716	543,192	4,524	3,686,043	46,552	3,639,491
GREER	5,444	5,444	0	73,877	132	73,745
HARMON	5,757	5,757	0	0	0	0
HARPER	270,860	247,120	23,740	29,042,861	93,542	28,949,319
HASKELL	0	0	0	24,310,861	0	24,310,861
HUGHES	377,719	357,180	20,540	6,151,931	508,851	5,643,080
JACKSON	126,080	126,080	0	2,852	2,852	0
JEFFERSON	403,498	403,498	0	17,475	12,261	5,214
JOHNSTON	3,848	3,848	0	53,155	0	53,155
KAY	782,606	780,188	2,418	1,167,606	679,053	488,553
KINGFISHER	1,372,679	1,352,708	19,971	29,547,266	5,306,009	24,241,257
KIOWA	20,336	20,336	0	8,041,614	0	8,041,614
LATIMER	0	0	0	126,185,574	0	126,185,574
LEFLORE	0	0	0	22,066,476	0	22,066,476
LINCOLN	3,079,761	3,076,307	3,454	25,827,496	19,423,376	6,404,120
LOGAN	996,489	991,380	5,109	12,978,328	4,414,224	8,564,104
LOVE	647,364	644,095	3,269	3,453,711	623,688	2,830,023
MCCLAIN	1,285,565	1,249,071	36,494	15,187,243	8,342,081	6,845,162

OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

2001 ANNUAL LIQUIDS AND GAS RUNS

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
MCCURTAIN	0	0	0	0	0	0
MCINTOSH	941	805	136	5,679,614	0	5,679,614
MAJOR	2,115,482	2,077,303	38,179	50,558,132	2,532,906	48,025,226
MARSHALL	163,785	160,962	2,823	605,478	136,246	469,232
MAYES	26,465	26,465	0	93,655	0	93,655
MURRAY	415,801	415,801	0	21,868	9,933	11,935
MUSKOGEE	70,052	69,908	145	250,869	20,103	230,766
NOBLE	1,222,016	1,221,539	477	4,304,581	1,556,432	2,748,149
NOWATA	151,505	151,505	0	5,662,534	234,288	5,428,246
OKFUSKEE	478,221	474,687	3,534	3,085,869	1,048,253	2,037,616
OKLAHOMA	1,798,112	1,761,151	36,961	11,056,719	2,960,221	8,096,498
OKMULGEE	357,364	354,539	2,825	1,745,715	323,258	1,422,457
OSAGE	4,104,898	4,104,898	0	3,268,146	945,549	2,322,597
OTTAWA	0	0	0	0	0	0
PAWNEE	506,532	506,532	0	504,312	273,781	230,531
PAYNE	832,775	829,545	3,229	1,589,209	816,295	772,914
PITTSBURG	89	89	0	71,545,608	0	71,545,608
PONTOTOC	2,428,358	2,428,358	0	966,133	105,298	860,835
POTTAWATOMIE	1,658,535	1,657,749	786	937,049	648,696	288,353
PUSHMATAHA	0	0	0	21,474,459	0	21,474,459
ROGER MILLS	657,254	381,507	275,747	127,692,502	19,980,864	107,711,638
ROGERS	27,985	27,985	0	665,980	3,361	662,619
SEMINOLE	2,153,048	2,152,713	335	4,006,256	1,897,721	2,108,535
SEQUOYAH	43	43	0	3,648,951	0	3,648,951
STEPHENS	5,643,525	5,553,314	90,211	54,713,238	5,094,572	49,618,666
TEXAS	3,976,064	3,963,637	12,427	106,370,490	118,455	106,252,035
TILLMAN	54,545	54,545	0	0	0	0
TULSA	287,095	287,095	0	883,388	148,538	734,850
WAGONER	27,834	27,834	0	100,692	11,511	89,181
WASHINGTON	274,811	274,811	0	3,174,446	98,658	3,075,788
WASHITA	741,061	625,092	115,969	80,490,688	17,292,584	63,198,104
WOODS	539,432	513,739	25,693	21,426,973	553,741	20,873,232
WOODWARD	234,214	207,636	26,578	29,835,743	539,461	29,296,282
TOTAL FOR YEAR	68,725,026	66,842,279	1,882,747	1,603,732,986	147,795,423	1,455,937,563
DAILY AVERAGE	188,288	183,130	5,158	4,393,789	404,919	3,988,870
AVERAGE PRICE FOR YEAR	\$24.64	\$24.69	\$24.59	\$4.02	\$4.00	\$4.04
TOTAL FOR 1 YEAR AGO	69,018,135	66,312,802	2,705,333	1,621,697,101	139,856,812	1,481,840,289
DAILY AVERAGE 1 YEAR AGO	188,574	181,183	7,392	4,430,866	382,122	4,048,744
AVERAGE PRICE 1 YEAR AGO	\$29.64	\$29.77	\$29.51	\$3.66	\$3.72	\$3.59

Source: Oklahoma Tax Commission

OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

2000 ANNUAL LIQUIDS AND GAS RUNS

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
ADAIR	0	0	0	0	0	0
ALFALFA	586,544	571,250	15,294	6,395,175	616,402	5,778,773
ATOKA	1,043	1,043	0	1,406,699	0	1,406,699
BEAVER	883,369	792,089	91,280	60,257,206	712,005	59,545,201
BECKHAM	422,821	351,053	71,768	65,978,708	4,051,952	61,926,756
BLAINE	520,712	481,331	39,381	45,066,886	785,508	44,281,378
BRYAN	48,464	48,464	0	1,819,587	0	1,819,587
CADDO	2,461,189	2,292,123	169,066	99,967,760	1,231,241	98,736,519
CANADIAN	1,188,841	1,095,720	93,121	51,143,988	3,286,156	47,857,832
CARTER	7,787,463	7,778,187	9,276	17,291,822	8,286,860	9,004,962
CHEROKEE	0	0	0	0	0	0
CHOCTAW	0	0	0	0	0	0
CIMARRON	138,314	133,271	5,043	3,614,807	35,740	3,579,067
CLEVELAND	692,737	692,528	210	2,134,069	1,313,829	820,240
COAL	119,850	117,048	2,801	4,789,453	153,990	4,635,463
COMANCHE	329,927	327,924	2,004	3,602,528	86,390	3,516,138
COTTON	163,052	163,052	0	51,284	8,771	42,513
CRAIG	924	924	0	2,768	0	2,768
CREEK	2,425,212	2,420,905	4,307	2,219,235	892,387	1,326,848
CUSTER	759,202	420,071	339,131	77,690,488	1,084,017	76,606,471
DELAWARE	0	0	0	0	0	0
DEWEY	805,084	719,385	85,699	45,800,450	598,966	45,201,484
ELLIS	535,935	449,405	86,529	32,327,200	1,045,891	31,281,309
GARFIELD	793,977	753,329	40,648	17,501,209	1,359,736	16,141,473
GARVIN	3,160,838	3,131,178	29,660	35,513,114	19,864,478	15,648,636
GRADY	3,788,323	3,561,026	227,298	113,056,562	8,713,556	104,343,006
GRANT	593,719	586,318	7,402	3,441,285	0	3,441,285
GREER	5,650	5,650	0	78,300	172	78,128
HARMON	7,753	7,753	0	0	0	0
HARPER	236,779	201,390	35,389	28,050,518	96,992	27,953,526
HASKELL	130	0	130	21,952,196	0	21,952,196
HUGHES	393,562	380,459	13,103	6,588,865	468,030	6,120,835
JACKSON	182,491	182,491	0	11,475	0	11,475
JEFFERSON	432,819	432,819	0	21,269	17,432	3,837
JOHNSTON	5,405	5,405	0	16,759	0	16,759
KAY	842,913	841,567	1,347	970,850	224,225	746,625
KINGFISHER	1,371,395	1,341,321	30,074	30,278,212	5,122,398	25,155,814
KIOWA	27,934	27,934	0	13,200,278	0	13,200,278
LATIMER	90	90	0	127,194,919	5,917	127,189,002
LEFLORE	0	0	0	22,906,460	0	22,906,460
LINCOLN	3,403,722	3,393,827	9,895	9,989,888	4,150,580	5,839,308
LOGAN	787,771	779,654	8,117	9,479,450	4,741,838	4,737,612
LOVE	679,677	670,668	9,009	7,178,792	652,183	6,526,609
MCCLAIN	1,281,838	1,238,224	43,614	15,182,986	9,430,079	5,752,907

OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

2000 ANNUAL LIQUIDS AND GAS RUNS

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
MCCURTAIN	0	0	0	0	0	0
MCINTOSH	1,946	1,637	309	6,203,130	0	6,203,130
MAJOR	2,243,276	2,119,974	123,302	50,433,703	1,446,806	48,986,897
MARSHALL	176,112	170,582	5,530	4,332,581	338,821	3,993,760
MAYES	27,968	27,968	0	27,952	0	27,952
MURRAY	431,251	431,251	0	17,158	8,324	8,834
MUSKOGEE	78,517	78,306	211	293,832	18,395	275,437
NOBLE	981,111	980,613	498	2,803,664	651,850	2,151,814
NOWATA	170,507	170,507	0	4,483,270	169,797	4,313,473
OKFUSKIE	491,439	487,702	3,736	3,013,012	1,210,814	1,802,198
OKLAHOMA	1,879,032	1,850,942	28,090	12,517,913	2,971,850	9,546,063
OKMULGEE	385,295	381,931	3,363	1,753,798	339,666	1,414,132
OSAGE	3,835,283	3,835,283	0	3,063,366	858,274	2,205,092
OTTAWA	0	0	0	0	0	0
PAWNEE	486,796	486,474	322	499,477	218,430	281,047
PAYNE	830,090	828,403	1,687	1,590,563	868,559	722,004
PITTSBURG	0	0	0	65,627,190	0	65,627,190
PONTOTOC	2,429,414	2,429,414	0	931,368	65,525	865,843
POTTAWATOMIE	1,736,495	1,736,338	157	665,594	437,940	227,654
PUSHMATAHA	0	0	0	20,763,101	0	20,763,101
ROGER MILLS	875,667	250,781	624,886	128,101,335	17,292,146	110,809,189
ROGERS	29,077	29,077	0	645,937	10,519	635,418
SEMINOLE	2,084,502	2,079,087	5,414	1,929,498	895,441	1,034,057
SEQUOYAH	97	97	0	5,228,135	0	5,228,135
STEPHENS	5,637,033	5,498,356	138,677	67,413,320	9,918,934	57,494,386
TEXAS	4,068,924	4,055,400	13,524	114,110,415	866,172	113,244,243
TILLMAN	62,904	62,904	0	0	0	0
TULSA	293,398	293,398	0	984,070	162,853	821,217
WAGONER	35,739	35,739	0	79,976	9,703	70,273
WASHINGTON	294,443	294,443	0	2,716,763	103,381	2,613,382
WASHITA	773,297	550,198	223,098	84,751,143	19,086,218	65,664,925
WOODS	626,367	596,025	30,342	21,442,506	1,580,024	19,862,482
WOODWARD	184,686	153,095	31,590	31,099,831	1,288,649	29,811,182
TOTAL FOR YEAR	69,018,135	66,312,802	2,705,333	1,621,697,101	139,856,812	1,481,840,289
DAILY AVERAGE	188,574	181,183	7,392	4,430,866	382,122	4,048,744
AVERAGE PRICE FOR YEAR	\$29.64	\$29.77	\$29.51	\$3.65	\$3.72	\$3.59
TOTAL FOR 1 YEAR AGO	71,047,405	67,465,856	3,581,549	1,579,425,500	164,825,478	1,414,600,022
DAILY AVERAGE 1 YEAR AGO	194,650	184,838	9,812	4,327,193	451,577	3,875,616
AVERAGE PRICE 1 YEAR AGO	\$17.76	\$18.05	\$17.46	\$2.06	\$2.08	\$2.04

Source: Oklahoma Tax Commission

OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

1999 ANNUAL LIQUIDS AND GAS RUNS

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
ADAIR	0	0	0	0	0	0
ALFALFA	744,216	724,709	19,507	5,793,489	1,733,818	4,059,671
ATOKA	863	708	155	1,563,259	0	1,563,259
BEAVER	1,041,246	939,439	101,807	62,369,766	1,257,094	61,112,672
BECKHAM	408,387	255,580	152,806	62,827,378	2,206,684	60,620,694
BLAINE	459,361	374,998	84,363	44,336,516	1,895,177	42,441,339
BRYAN	47,174	47,015	159	1,167,733	51,876	1,115,857
CADDO	2,673,072	2,430,841	242,232	82,443,295	1,496,593	80,946,702
CANADIAN	1,307,664	1,184,563	123,100	50,161,993	5,447,935	44,714,058
CARTER	8,157,050	8,137,975	19,075	19,087,853	8,236,822	10,851,031
CHEROKEE	0	0	0	0	0	0
CHOCTAW	0	0	0	0	0	0
CIMARRON	161,745	157,361	4,384	4,546,116	100,973	4,445,143
CLEVELAND	756,095	755,591	503	2,156,058	1,495,790	660,268
COAL	136,373	132,472	3,901	4,714,891	165,018	4,549,873
COMANCHE	215,221	210,295	4,926	3,520,933	82,179	3,438,754
COTTON	151,818	151,818	0	95,784	19,809	75,975
CRAIG	1,400	1,400	0	4	4	0
CREEK	2,483,537	2,480,877	2,660	2,905,835	1,388,818	1,517,017
CUSTER	837,492	366,671	470,821	75,955,491	851,881	75,103,610
DELAWARE	0	0	0	0	0	0
DEWEY	837,670	672,745	164,925	44,290,674	1,657,122	42,633,552
ELLIS	659,859	523,896	135,962	36,607,864	1,566,933	35,040,931
GARFIELD	766,951	707,596	59,355	17,159,468	6,515,291	10,644,177
GARVIN	3,566,715	3,509,379	57,336	38,258,776	20,586,359	17,672,417
GRADY	4,793,224	4,460,469	332,755	113,739,622	10,149,848	103,589,774
GRANT	694,200	683,413	10,788	3,227,729	903,546	2,324,183
GREER	4,724	4,724	0	100,936	312	100,624
HARMON	10,767	10,767	0	0	0	0
HARPER	265,088	195,861	69,226	30,263,752	117,424	30,146,328
HASKELL	168	168	0	20,457,202	0	20,457,202
HUGHES	387,412	371,667	15,745	6,756,978	616,580	6,140,398
JACKSON	174,363	174,363	0	0	0	0
JEFFERSON	458,108	458,108	0	36,241	11,621	24,620
JOHNSTON	6,071	6,071	0	866	0	866
KAY	736,583	732,396	4,188	741,543	279,073	462,470
KINGFISHER	1,476,889	1,417,134	59,755	29,620,783	10,484,689	19,136,094
KIOWA	39,990	35,669	4,321	16,004,686	0	16,004,686
LATIMER	115	115	0	133,654,558	999	133,653,559
LEFLORE	0	0	0	22,291,861	391	22,291,470
LINCOLN	2,378,819	2,360,717	18,102	14,126,948	7,155,014	6,971,934
LOGAN	776,825	769,529	7,296	8,903,733	5,956,030	2,947,703
LOVE	605,722	602,513	3,209	3,782,772	601,983	3,180,789
MCCLAIN	1,282,344	1,228,079	54,265	16,062,267	10,653,325	5,408,942

OKLAHOMA CORPORATION COMMISSION  
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1999 ANNUAL LIQUIDS AND GAS RUNS

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
MCCURTAIN	0	0	0	0	0	0
MCINTOSH	974	510	464	4,738,219	3,957	4,734,262
MAJOR	2,270,332	2,049,527	220,805	48,652,425	9,749,693	38,902,732
MARSHALL	184,716	178,397	6,319	2,947,244	607,940	2,339,304
MAYES	29,114	29,114	0	65	0	65
MURRAY	513,218	513,218	0	7,792	6,516	1,276
MUSKOGEE	67,031	66,889	142	351,565	15,052	336,513
NOBLE	1,104,199	1,098,518	5,682	2,730,204	1,438,776	1,291,428
NOWATA	180,881	180,881	0	3,253,177	90,190	3,162,987
OKFUSKEE	490,382	488,505	1,877	3,494,162	1,353,750	2,140,412
OKLAHOMA	1,958,439	1,902,372	56,067	14,390,649	4,683,538	9,707,111
OKMULGEE	368,124	364,649	3,475	1,657,004	339,231	1,317,773
OSAGE	3,705,447	3,704,630	817	2,748,764	968,670	1,780,094
OTTAWA	0	0	0	188,884	0	188,884
PAWNEE	523,551	522,696	855	608,912	276,998	331,914
PAYNE	878,435	876,091	2,343	2,162,053	1,294,244	867,809
PITTSBURG	9	9	0	65,135,704	0	65,135,704
PONTOTOC	2,424,755	2,424,755	0	893,592	102,505	791,087
POTTAWATOMIE	1,810,018	1,795,383	14,635	671,883	505,838	166,045
PUSHMATAHA	0	0	0	167,267	0	167,267
ROGER MILLS	670,286	288,671	381,615	132,919,501	11,843,458	121,076,043
ROGERS	33,442	33,442	0	617,383	4,722	612,661
SEMINOLE	1,982,863	1,976,161	6,701	1,656,259	1,065,536	590,723
SEQUOYAH	0	0	0	5,303,697	0	5,303,697
STEPHENS	6,090,396	5,883,285	207,111	51,386,625	11,621,219	39,765,406
TEXAS	4,157,160	4,092,241	64,919	129,955,641	1,737,076	128,218,565
TILLMAN	67,140	67,140	0	0	0	0
TULSA	311,071	308,327	2,744	1,139,599	180,881	958,718
WAGONER	35,588	35,588	0	179,048	6,038	173,010
WASHINGTON	295,782	295,782	0	2,535,926	113,661	2,422,265
WASHITA	564,832	288,012	276,820	70,224,965	9,772,741	60,452,224
WOODS	646,983	605,317	41,666	22,115,025	2,291,023	19,824,002
WOODWARD	176,919	118,053	58,866	26,856,613	1,065,214	25,791,399
TOTAL FOR YEAR	71,047,405	67,465,856	3,581,549	1,579,425,500	164,825,478	1,414,600,022
DAILY AVERAGE	194,650	184,838	9,812	4,327,193	451,577	3,875,616
AVERAGE PRICE FOR YEAR	\$17.75	\$18.05	\$17.46	\$2.06	\$2.08	\$2.04
TOTAL FOR 1 YEAR AGO	77,796,579	72,698,303	5,098,276	1,649,110,067	219,983,138	1,429,126,929
DAILY AVERAGE 1 YEAR AGO	213,141	199,173	13,968	4,518,110	602,694	3,915,416
AVERAGE PRICE 1 YEAR AGO	\$13.13	\$12.95	\$13.30	\$1.84	\$1.81	\$1.87

Source: Oklahoma Tax Commission

OKLAHOMA CORPORATION COMMISSION  
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1998 ANNUAL LIQUIDS AND GAS RUNS

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
ADAIR	0	0	0	0	0	0
ALFALFA	739,305	693,200	46,105	7,321,851	4,165,823	3,156,028
ATOKA	459	459	0	1,686,977	0	1,686,977
BEAVER	1,102,594	960,529	142,064	66,543,830	2,144,250	64,399,580
BECKHAM	435,337	226,506	208,832	63,888,384	1,028,924	62,859,460
BLAINE	415,411	253,447	161,965	54,028,520	5,081,485	48,947,035
BRYAN	53,261	53,261	0	2,079,798	109,348	1,970,450
CADDO	2,596,901	2,215,536	381,365	93,988,901	3,060,505	90,928,396
CANADIAN	1,427,558	1,242,412	185,146	57,477,259	9,498,091	47,979,168
CARTER	10,005,101	9,971,630	33,471	20,448,343	10,765,521	9,682,822
CHEROKEE	0	0	0	0	0	0
CHOCTAW	0	0	0	0	0	0
CIMARRON	184,113	179,278	4,835	3,524,571	234,744	3,289,827
CLEVELAND	801,441	794,657	6,784	2,342,795	1,626,436	716,359
COAL	126,351	122,429	3,923	5,337,660	184,407	5,153,253
COMANCHE	168,259	159,487	8,772	4,613,914	157,095	4,456,819
COTTON	166,136	166,136	0	64,137	16,985	47,152
CRAIG	908	908	0	51,688	0	51,688
CREEK	2,649,083	2,647,155	1,928	3,145,061	1,845,918	1,299,143
CUSTER	890,715	270,328	620,387	81,016,408	1,654,224	79,362,184
DELAWARE	0	0	0	0	0	0
DEWEY	698,309	512,019	186,289	42,406,586	4,133,520	38,273,066
ELLIS	797,381	611,230	186,151	37,614,308	2,534,766	35,079,542
GARFIELD	742,221	684,299	57,923	20,717,638	13,435,629	7,282,009
GARVIN	3,896,104	3,795,303	100,801	33,789,109	25,299,599	8,489,510
GRADY	6,171,883	5,614,151	557,731	97,855,814	16,942,343	80,913,471
GRANT	728,228	711,855	16,373	3,534,015	2,865,658	668,357
GREER	3,929	3,929	0	83,821	129	83,692
HARMON	9,191	9,191	0	0	0	0
HARPER	256,171	170,447	85,724	36,466,378	187,797	36,278,581
HASKELL	1,320	0	1,320	22,469,639	0	22,469,639
HUGHES	400,228	380,393	19,835	7,508,235	664,825	6,843,410
JACKSON	188,558	188,558	0	0	0	0
JEFFERSON	199,744	199,744	0	25,373	15,415	9,958
JOHNSTON	8,906	8,906	0	1,385	0	1,385
KAY	835,284	827,306	7,978	1,527,835	920,565	607,270
KINGFISHER	1,522,167	1,423,325	98,843	35,446,676	19,368,826	16,077,850
KIOWA	49,727	43,002	6,725	14,005,030	0	14,005,030
LATIMER	0	0	0	138,855,637	0	138,855,637
LEFLORE	0	0	0	35,194,012	0	35,194,012
LINCOLN	1,917,060	1,890,893	26,167	7,824,774	4,401,363	3,423,411
LOGAN	702,222	693,289	8,932	8,839,316	6,661,381	2,177,935
LOVE	583,216	578,496	4,720	4,599,238	680,373	3,918,865
MCCLAIN	1,378,243	1,313,136	65,107	17,950,176	11,759,961	6,190,215



OKLAHOMA CORPORATION COMMISSION  
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1998 ANNUAL LIQUIDS AND GAS RUNS

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
MCCURTAIN	0	0	0	0	0	0
MCINTOSH	897	488	409	4,438,557	5,378	4,433,179
MAJOR	2,426,499	2,111,715	314,784	59,133,891	22,676,778	36,457,113
MARSHALL	208,259	201,253	7,007	4,722,361	1,119,864	3,602,497
MAYES	31,472	31,472	0	65	0	65
MURRAY	617,421	617,421	0	16,482	12,563	3,919
MUSKOGEE	62,539	62,317	222	614,862	19,694	595,168
NOBLE	1,243,799	1,237,105	6,694	4,353,262	2,840,057	1,513,205
NOWATA	196,512	196,512	0	2,209,296	226,580	1,982,716
OKFUSKEE	530,402	525,585	4,817	3,586,248	1,490,068	2,096,180
OKLAHOMA	2,024,064	1,931,288	92,776	15,943,822	8,686,337	7,257,485
OKMULGEE	426,272	420,330	5,942	1,852,786	415,073	1,437,713
OSAGE	4,204,988	4,204,988	0	2,668,311	1,287,951	1,380,360
OTTAWA	0	0	0	0	0	0
PAWNEE	539,591	537,895	1,696	702,150	420,917	281,233
PAYNE	961,677	958,233	3,444	2,742,897	1,807,526	935,371
PITTSBURG	185	8	178	75,080,808	26,438	75,054,370
PONTOTOC	2,769,833	2,769,833	0	480,677	110,060	370,617
POTTAWATOMIE	2,107,237	2,106,899	338	823,776	672,422	151,354
PUSHMATAHA	0	0	0	0	0	0
ROGER MILLS	791,634	275,809	515,826	152,958,358	1,152,879	151,805,479
ROGERS	32,152	32,152	0	486,853	6,562	480,291
SEMINOLE	2,118,631	2,110,647	7,984	1,707,186	1,210,082	497,104
SEQUOYAH	0	0	0	5,598,910	0	5,598,910
STEPHENS	7,273,125	6,931,660	341,465	44,443,862	16,509,401	27,934,461
TEXAS	3,967,321	3,830,678	136,643	111,899,461	2,539,423	109,360,038
TILLMAN	60,252	60,252	0	0	0	0
TULSA	325,494	325,494	0	640,068	235,590	404,478
WAGONER	53,667	53,667	0	86,596	7,147	79,449
WASHINGTON	340,868	340,868	0	2,382,089	141,990	2,240,099
WASHITA	537,829	274,841	262,987	68,222,650	410,211	67,812,439
WOODS	888,867	818,871	69,995	21,053,909	3,527,518	17,526,391
WOODWARD	202,069	113,195	88,875	25,984,782	978,723	25,006,059
TOTAL FOR YEAR	77,796,579	72,698,303	5,098,276	1,649,110,067	219,983,138	1,429,126,929
DAILY AVERAGE	213,141	199,173	13,968	4,518,110	602,694	3,915,416
AVERAGE PRICE FOR YEAR	\$13.12	\$12.95	\$13.30	\$1.84	\$1.81	\$1.87
TOTAL FOR 1 YEAR AGO	83,445,148	76,468,414	6,976,734	1,713,192,284	255,155,520	1,458,036,764
DAILY AVERAGE 1 YEAR AGO	228,617	209,503	19,114	4,693,677	699,056	3,994,621
AVERAGE PRICE 1 YEAR AGO	\$19.83	\$20.01	\$19.65	\$2.29	\$2.26	\$2.32

Source: Oklahoma Tax Commission

OKLAHOMA CORPORATION COMMISSION  
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1997 ANNUAL LIQUIDS AND GAS RUN

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
ADAIR	0	0	0	0	0	0
ALFALFA	1,155,099	1,097,375	57,724	9,042,070	3,562,907	5,479,163
ATOKA	1,023	1,022	1	1,970,368	0	1,970,368
BEAVER	1,220,804	1,030,364	190,440	68,258,991	2,896,909	65,362,082
BECKHAM	504,099	235,915	268,184	66,400,944	372,556	66,028,388
BLAINE	515,282	221,183	294,099	53,436,260	5,226,724	48,209,536
BRYAN	59,991	59,220	771	2,265,667	306,405	1,959,262
CADDO	2,688,459	2,225,662	462,797	100,199,057	5,999,560	94,199,497
CANADIAN	1,681,897	1,406,293	275,604	57,143,855	11,072,745	46,071,110
CARTER	10,741,654	10,701,150	40,504	18,304,638	11,937,728	6,366,910
CHEROKEE	0	0	0	0	0	0
CHOCTAW	0	0	0	0	0	0
CIMARRON	171,025	165,563	5,462	4,048,545	232,229	3,816,316
CLEVELAND	956,008	949,481	6,527	2,823,176	1,873,031	950,145
COAL	171,157	163,734	7,423	5,660,265	247,957	5,412,308
COMANCHE	209,919	196,419	13,500	5,749,515	302,080	5,447,435
COTTON	203,776	203,776	0	38,435	18,965	19,470
CRAIG	2,210	2,210	0	318	0	318
CREEK	3,001,567	2,997,452	4,115	3,289,650	2,151,043	1,138,607
CUSTER	916,798	121,130	795,668	86,740,781	2,637,732	84,103,049
DELAWARE	0	0	0	0	0	0
DEWEY	759,158	525,057	234,101	40,335,640	5,483,589	34,852,051
ELLIS	893,144	677,192	215,952	40,366,630	3,234,884	37,131,746
GARFIELD	922,976	842,695	80,281	22,800,006	11,786,253	11,013,753
GARVIN	4,397,540	4,216,188	181,352	41,889,171	32,500,813	9,388,358
GRADY	5,201,090	4,333,398	867,692	104,954,497	24,295,038	80,659,459
GRANT	868,572	847,402	21,170	3,758,847	1,878,336	1,880,511
GREER	5,859	5,859	0	150,991	804	150,187
HARMON	10,983	10,983	0	0	0	0
HARPER	292,559	172,049	120,510	38,918,473	359,448	38,559,025
HASKELL	0	0	0	23,898,432	516	23,897,916
HUGHES	481,130	457,766	23,364	8,908,592	829,578	8,079,014
JACKSON	184,619	184,619	0	0	0	0
JEFFERSON	205,729	205,729	0	43,312	15,652	27,660
JOHNSTON	15	0	15	4,557	0	4,557
KAY	981,467	969,966	11,501	1,861,287	1,202,152	659,135
KINGFISHER	1,743,888	1,624,670	119,218	37,764,800	21,612,526	16,152,274
KIOWA	55,963	44,956	11,007	5,778,849	0	5,778,849
LATIMER	0	0	0	130,636,192	0	130,636,192
LEFLORE	0	0	0	26,515,298	5,739	26,509,559
LINCOLN	1,373,395	1,357,535	15,860	8,939,105	5,584,325	3,354,780
LOGAN	873,902	859,155	14,747	10,107,504	7,837,061	2,270,443
LOVE	585,572	578,682	6,890	3,758,918	676,070	3,082,848
MCCLAIN	1,396,832	1,326,077	70,755	19,041,662	12,931,296	6,110,366

OKLAHOMA CORPORATION COMMISSION  
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1997 ANNUAL LIQUIDS AND GAS RUNS

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
MCCURTAIN	0	0	0	0	0	0
MCINTOSH	1,087	562	525	2,945,678	7,939	2,937,739
MAJOR	2,849,101	2,413,996	435,105	58,459,081	22,517,851	35,941,230
MARSHALL	223,327	212,432	10,895	5,370,877	1,465,755	3,905,122
MAYES	29,266	29,266	0	65	0	65
MURRAY	605,911	605,911	0	37,011	37,011	0
MUSKOGEE	86,058	85,918	140	694,244	35,366	658,878
NOBLE	1,339,237	1,329,443	9,794	4,070,498	3,185,139	885,359
NOWATA	246,158	246,158	0	951,007	198,885	752,122
OKFUSKEE	683,874	672,235	11,639	3,673,546	1,570,055	2,103,491
OKLAHOMA	2,299,916	2,188,066	111,850	18,063,210	10,752,380	7,310,830
OKMULGEE	542,090	537,836	4,254	2,137,218	491,849	1,645,369
OSAGE	4,662,758	4,662,311	447	2,557,449	1,288,413	1,269,036
OTTAWA	0	0	0	0	0	0
PAWNEE	685,492	683,589	1,903	876,048	750,306	125,742
PAYNE	1,134,637	1,130,528	4,109	3,026,594	2,228,922	797,672
PITTSBURG	450	0	450	92,546,177	0	92,546,177
PONTOTOC	3,110,126	3,110,032	94	414,372	99,290	315,082
POTTAWATOMIE	2,795,132	2,793,697	1,435	936,310	794,448	141,862
PUSHMATAHA	0	0	0	0	0	0
ROGER MILLS	899,524	156,513	743,011	160,077,829	1,458,278	158,619,551
ROGERS	52,088	52,088	0	193,618	17,584	176,034
SEMINOLE	2,380,337	2,373,342	6,995	1,504,513	1,117,078	387,435
SEQUOYAH	165	165	0	6,886,154	0	6,886,154
STEPHENS	7,679,064	7,112,198	566,866	52,993,643	19,735,615	33,258,028
TEXAS	2,931,416	2,850,324	81,092	105,922,068	3,041,688	102,880,380
TILLMAN	56,701	56,701	0	0	0	0
TULSA	411,413	411,029	384	705,809	248,502	457,307
WAGONER	68,513	68,318	195	31,010	15,252	15,758
WASHINGTON	370,048	369,909	139	1,870,810	226,838	1,643,972
WASHITA	509,196	199,272	309,924	73,960,403	411,514	73,548,889
WOODS	1,118,364	1,004,249	114,115	26,538,355	3,714,406	22,823,949
WOODWARD	238,538	94,399	144,139	29,943,389	672,505	29,270,884
TOTAL FOR YEAR	83,445,148	76,468,414	6,976,734	1,713,192,284	255,155,520	1,458,036,764
DAILY AVERAGE	228,617	209,503	19,114	4,693,677	699,056	3,994,621
AVERAGE PRICE FOR YEAR	\$19.83	\$20.01	\$19.65	\$2.29	\$2.26	\$2.32
TOTAL FOR 1 YEAR AGO	85,623,872	78,201,888	7,421,984	1,737,459,733	268,659,377	1,468,800,356
DAILY AVERAGE 1 YEAR AGO	233,945	213,666	20,279	4,747,158	734,042	4,013,116
AVERAGE PRICE 1 YEAR AGO	\$21.02	\$20.95	\$21.09	\$2.15	\$2.15	\$2.14

Source: Oklahoma Tax Commission

OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

1996 ANNUAL LIQUIDS AND GAS RUN

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
ADAIR	(95)	(95)	0	0	0	0
ALFALFA	1,379,351	1,299,437	79,914	10,695,731	4,042,726	6,653,005
ATOKA	784	612	172	1,903,390	0	1,903,390
BEAVER	1,501,948	1,228,158	273,790	73,237,818	3,263,696	69,974,122
BECKHAM	573,386	248,355	325,031	68,885,037	345,961	68,539,076
BLAINE	708,831	264,701	444,130	57,781,882	5,176,793	52,605,089
BRYAN	64,910	64,008	902	2,123,379	435,133	1,688,246
CADDO	2,841,132	2,308,752	532,380	93,838,629	7,174,756	86,663,873
CANADIAN	1,875,010	1,580,250	294,760	56,158,835	11,640,527	44,518,308
CARTER	11,093,577	11,068,803	24,774	18,771,896	11,631,077	7,140,819
CHEROKEE	0	0	0	0	0	0
CHOCTAW	0	0	0	0	0	0
CIMARRON	221,248	215,623	5,625	4,711,000	250,158	4,460,842
CLEVELAND	914,186	900,176	14,010	3,137,857	1,922,582	1,215,275
COAL	190,884	185,074	5,810	4,885,146	295,873	4,589,273
COMANCHE	328,706	313,901	14,805	5,472,834	340,457	5,132,377
COTTON	217,298	217,298	0	32,517	14,444	18,073
CRAIG	2,189	2,189	0	0	0	0
CREEK	3,139,831	3,133,489	6,342	3,502,114	2,207,745	1,294,369
CUSTER	1,009,557	145,239	864,318	89,890,101	2,288,581	87,601,520
DELAWARE	0	0	0	0	0	0
DEWEY	772,395	522,162	250,233	41,232,407	6,168,816	35,063,591
ELLIS	832,026	611,559	220,467	36,958,897	5,213,962	31,744,935
GARFIELD	997,152	905,895	91,257	23,582,893	12,465,590	11,117,303
GARVIN	4,584,608	4,464,446	120,162	41,617,309	31,793,949	9,823,360
GRADY	4,465,347	3,655,899	809,448	111,719,482	26,967,408	84,752,074
GRANT	929,401	906,035	23,366	3,632,532	1,921,525	1,711,007
GREER	6,327	6,327	0	170,182	773	169,409
HARMON	14,558	14,558	0	0	0	0
HARPER	260,452	165,242	95,210	41,309,614	545,796	40,763,818
HASKELL	0	0	0	29,856,422	67,763	29,788,659
HUGHES	535,816	513,750	22,066	9,240,833	870,371	8,370,462
JACKSON	203,060	203,060	0	0	0	0
JEFFERSON	230,017	230,017	0	43,536	19,062	24,474
JOHNSTON	29	0	29	5,383	0	5,383
KAY	960,092	946,729	13,363	1,528,776	907,635	621,141
KINGFISHER	2,067,857	1,915,394	152,463	39,482,462	22,379,107	17,103,355
KIOWA	44,972	44,646	326	78,953	0	78,953
LATIMER	0	0	0	134,565,707	294,912	134,270,795
LEFLORE	0	0	0	28,586,369	190,411	28,395,958
LINCOLN	1,151,551	1,125,331	26,220	8,460,309	5,067,374	3,392,935
LOGAN	962,226	947,148	15,078	10,212,659	7,951,170	2,261,489
LOVE	596,355	586,074	10,281	2,498,397	872,327	1,626,070
MCCLAIN	1,499,341	1,417,965	81,376	19,887,608	14,020,389	5,867,219

OKLAHOMA CORPORATION COMMISSION  
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1996 ANNUAL LIQUIDS AND GAS RUNS

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
MCCURTAIN	0	0	0	0	0	0
MCINTOSH	1,939	416	1,523	2,434,734	8,004	2,426,730
MAJOR	3,051,046	2,618,205	432,841	60,971,266	24,896,589	36,074,677
MARSHALL	257,273	247,721	9,552	5,972,446	1,609,089	4,363,357
MAYES	35,153	35,153	0	65	0	65
MURRAY	752,979	752,979	0	68,972	68,972	0
MUSKOGEE	110,994	110,756	238	438,874	39,927	398,947
NOBLE	1,256,980	1,243,585	13,395	3,657,562	2,803,938	853,624
NOWATA	245,904	245,904	0	627,054	108,489	518,565
OKFUSKEE	718,425	703,455	14,970	3,437,817	1,556,468	1,881,349
OKLAHOMA	2,411,239	2,240,366	170,873	18,441,467	10,662,736	7,778,731
OKMULGEE	627,509	624,443	3,066	2,296,778	623,982	1,672,796
OSAGE	4,937,612	4,928,533	9,079	2,592,273	1,261,713	1,330,560
OTTAWA	0	0	0	0	0	0
PAWNEE	745,755	742,075	3,680	963,017	905,664	57,353
PAYNE	1,214,294	1,210,310	3,984	3,073,481	2,149,452	924,029
PITTSBURG	506	166	340	80,137,356	43,276	80,094,080
PONTOTOC	2,958,763	2,958,448	315	406,210	119,655	286,555
POTTAWATOMIE	2,658,824	2,657,267	1,557	1,154,709	980,996	173,713
PUSHMATAHA	0	0	0	376	0	376
ROGER MILLS	983,127	173,555	809,572	169,237,606	2,634,877	166,602,729
ROGERS	48,109	48,109	0	135,484	22,980	112,504
SEMINOLE	2,269,295	2,261,980	7,315	1,400,227	928,612	471,615
SEQUOYAH	0	0	0	5,654,738	150,693	5,504,045
STEPHENS	7,923,836	7,375,753	548,083	56,991,976	21,180,469	35,811,507
TEXAS	2,272,903	2,225,824	47,079	105,057,028	1,077,275	103,979,753
TILLMAN	73,199	73,199	0	0	0	0
TULSA	440,007	438,861	1,146	495,953	245,227	250,726
WAGONER	82,360	82,360	0	49,485	26,375	23,110
WASHINGTON	386,321	386,183	138	1,528,613	275,458	1,253,155
WASHITA	472,581	195,829	276,752	73,894,839	513,735	73,381,104
WOODS	1,243,597	1,131,971	111,626	26,816,196	4,279,749	22,536,447
WOODWARD	267,027	130,275	136,752	29,824,235	736,128	29,088,107
TOTAL FOR YEAR	85,623,872	78,201,888	7,421,984	1,737,459,733	268,659,377	1,468,800,356
DAILY AVERAGE	233,945	213,666	20,279	4,747,158	734,042	4,013,116
AVERAGE PRICE FOR YEAR	\$21.02	\$20.95	\$21.09	\$2.15	\$2.15	\$2.14
TOTAL FOR 1 YEAR AGO	87,656,951	80,251,948	7,405,003	1,775,429,065	283,265,017	1,492,164,048
DAILY AVERAGE 1 YEAR AGO	240,156	219,868	20,288	4,864,189	776,069	4,088,121
AVERAGE PRICE 1 YEAR AGO	\$16.85	\$16.77	\$16.93	\$1.44	\$1.45	\$1.43

Source: Oklahoma Tax Commission

OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

1995 ANNUAL LIQUIDS AND GAS RUN

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
ADAIR	(365)	0	(365)	0	0	0
ALFALFA	1,389,561	1,297,843	91,718	11,998,961	4,680,825	7,318,136
ATOKA	453	453	0	2,315,656	0	2,315,656
BEAVER	1,839,483	1,547,728	291,755	73,585,631	3,764,576	69,821,055
BECKHAM	553,620	184,745	368,875	69,005,280	215,036	68,790,244
BLAINE	553,593	245,755	307,838	59,118,375	6,003,455	53,114,920
BRYAN	61,909	60,717	1,192	1,923,991	392,709	1,531,282
CADDO	3,026,600	2,522,486	504,114	93,242,903	10,332,944	82,909,959
CANADIAN	1,998,663	1,674,973	323,690	61,428,755	13,453,307	47,975,448
CARTER	11,433,907	11,414,846	19,061	17,453,812	11,350,730	6,103,082
CHEROKEE	0	0	0	0	0	0
CHOCTAW	0	0	0	0	0	0
CIMARRON	270,221	260,619	9,602	5,197,755	348,341	4,849,414
CLEVELAND	996,641	983,012	13,629	3,191,736	2,153,084	1,038,652
COAL	162,654	158,955	3,699	4,505,794	220,230	4,285,564
COMANCHE	292,934	279,568	13,366	4,981,153	513,731	4,467,422
COTTON	232,865	232,865	0	0	0	0
CRAIG	2,780	2,780	0	0	0	0
CREEK	3,190,889	3,182,491	8,398	3,769,409	2,315,731	1,453,678
CUSTER	1,116,028	113,627	1,002,401	92,517,959	3,536,937	88,981,022
DELAWARE	0	0	0	0	0	0
DEWEY	844,188	560,692	283,496	45,432,713	8,391,652	37,041,061
ELLIS	702,923	532,981	169,942	32,592,573	1,490,391	31,102,182
GARFIELD	1,031,709	944,843	86,866	25,050,317	13,205,584	11,844,733
GARVIN	4,696,527	4,555,420	141,107	41,871,862	31,792,241	10,079,621
GRADY	4,359,770	3,732,930	626,840	112,935,834	29,768,233	83,167,601
GRANT	989,187	962,087	27,100	3,876,840	2,139,138	1,737,702
GREER	6,365	6,365	0	179,703	1,059	178,644
HARMON	15,656	15,656	0	0	0	0
HARPER	256,954	155,206	101,748	45,480,225	945,449	44,534,776
HASKELL	0	0	0	34,059,766	0	34,059,766
HUGHES	595,462	563,389	32,073	10,953,637	825,497	10,128,140
JACKSON	101,002	101,002	0	0	0	0
JEFFERSON	265,794	265,794	0	50,461	31,702	18,759
JOHNSTON	0	0	0	4,046	0	4,046
KAY	1,022,046	1,005,845	16,201	2,051,164	1,156,836	894,328
KINGFISHER	2,306,804	2,059,681	247,123	42,893,165	23,226,932	19,666,233
KIOWA	41,033	40,576	457	90,336	0	90,336
LATIMER	371	0	371	150,056,257	12,755	150,043,502
LEFLORE	0	0	0	41,911,749	0	41,911,749
LINCOLN	1,085,520	1,062,011	23,509	8,028,876	4,777,645	3,251,231
LOGAN	1,113,128	1,095,688	17,440	10,518,359	8,200,492	2,317,867
LOVE	594,471	582,636	11,835	2,164,766	690,420	1,474,346
MCCLAIN	1,600,001	1,558,365	41,636	21,183,528	14,651,155	6,532,373

OKLAHOMA CORPORATION COMMISSION  
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1995 ANNUAL LIQUIDS AND GAS RUNS

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
MCCURTAIN	0	0	0	0	0	0
MCINTOSH	4,525	1,337	3,188	3,218,595	7,184	3,211,411
MAJOR	3,537,679	3,071,733	465,946	66,317,989	27,997,455	38,320,534
MARSHALL	253,782	242,458	11,324	5,797,830	1,689,797	4,108,033
MAYES	33,028	33,028	0	77	0	77
MURRAY	823,180	820,007	3,173	79,954	79,714	240
MUSKOGEE	118,982	118,825	157	456,385	39,176	417,209
NOBLE	1,357,471	1,343,370	14,101	3,919,346	3,073,983	845,363
NOWATA	284,358	284,358	0	398,585	107,153	291,432
OKFUSKEE	770,207	744,226	25,981	3,740,936	1,640,809	2,100,127
OKLAHOMA	2,872,957	2,578,098	294,859	21,487,950	12,155,700	9,332,250
OKMULGEE	672,706	669,600	3,106	2,171,215	586,408	1,584,807
OSAGE	4,802,295	4,801,787	508	3,498,171	1,824,793	1,673,378
OTTAWA	0	0	0	0	0	0
PAWNEE	800,157	797,370	2,787	1,132,360	1,026,457	105,903
PAYNE	1,313,285	1,307,700	5,585	2,601,805	2,217,304	384,501
PITTSBURG	548	0	548	78,414,320	35,958	78,378,362
PONTOTOC	2,916,382	2,916,382	0	385,968	105,088	280,880
POTTAWATOMIE	2,496,868	2,494,910	1,958	1,359,160	1,184,615	174,545
PUSHMATAHA	0	0	0	0	0	0
ROGER MILLS	1,053,408	169,944	883,464	170,754,824	588,421	170,166,403
ROGERS	53,374	53,374	0	201,671	19,663	182,008
SEMINOLE	2,266,681	2,259,992	6,689	1,457,259	912,156	545,103
SEQUOYAH	0	0	0	6,244,285	0	6,244,285
STEPHENS	7,643,658	7,309,690	333,968	50,575,119	19,844,431	30,730,688
TEXAS	2,098,165	2,044,509	53,656	103,580,227	1,219,720	102,360,507
TILLMAN	75,083	75,083	0	0	0	0
TULSA	436,562	436,094	468	559,289	244,873	314,416
WAGONER	81,679	81,443	236	1,864	1,651	213
WASHINGTON	426,115	426,045	70	748,614	221,353	527,261
WASHITA	390,014	119,939	270,075	57,635,975	636,097	56,999,878
WOODS	1,087,389	969,156	118,233	26,324,297	4,261,278	22,063,019
WOODWARD	235,066	116,860	118,206	26,741,648	954,963	25,786,685
TOTAL FOR YEAR	87,656,951	80,251,948	7,405,003	1,775,429,065	283,265,017	1,492,164,048
DAILY AVERAGE	240,156	219,868	20,288	4,864,189	776,069	4,088,121
AVERAGE PRICE FOR YEAR	\$16.85	\$16.77	\$16.93	\$1.44	\$1.45	\$1.43
TOTAL FOR 1 YEAR AGO	90,998,504	83,618,694	7,379,810	1,889,516,609	300,741,636	1,588,774,973
DAILY AVERAGE 1 YEAR AGO	249,311	229,092	20,219	5,176,758	823,950	4,352,808
AVERAGE PRICE 1 YEAR AGO	\$15.51	\$15.46	\$15.56	\$1.67	\$1.64	\$1.70

Source: Oklahoma Tax Commission

OKLAHOMA CORPORATION COMMISSION  
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1994 ANNUAL LIQUIDS AND GAS RUN

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
ADAIR	167	0	167	0	0	0
ALFALFA	1,112,148	1,064,933	47,215	12,792,311	4,906,114	7,886,197
ATOKA	881	881	0	3,204,997	0	3,204,997
BEAVER	1,933,363	1,664,491	268,872	78,215,280	4,250,388	73,964,892
BECKHAM	505,962	215,350	290,612	73,783,549	198,064	73,585,485
BLAINE	532,923	224,950	307,973	61,605,761	6,647,624	54,958,137
BRYAN	73,330	71,201	2,129	2,124,049	509,334	1,614,715
CADDO	3,327,933	2,861,910	466,023	89,436,924	10,858,333	78,578,591
CANADIAN	2,038,214	1,669,203	369,011	67,834,897	14,745,861	53,089,036
CARTER	11,710,728	11,686,558	24,170	18,931,927	12,153,194	6,778,733
CHEROKEE	0	0	0	0	0	0
CHOCTAW	0	0	0	0	0	0
CIMARRON	269,795	256,707	13,088	6,736,509	398,986	6,337,523
CLEVELAND	1,059,154	1,048,656	10,498	3,284,948	2,310,380	974,568
COAL	153,869	146,978	6,891	4,761,247	264,443	4,496,804
COMANCHE	309,267	288,979	20,288	5,262,166	545,988	4,716,178
COTTON	254,821	254,821	0	0	0	0
CRAIG	3,360	3,360	0	0	0	0
CREEK	3,394,188	3,384,588	9,600	3,988,104	2,346,970	1,641,134
CUSTER	1,408,679	139,660	1,269,019	111,723,104	4,873,648	106,849,456
DELAWARE	0	0	0	0	0	0
DEWEY	896,092	578,054	318,038	48,685,198	10,120,595	38,564,603
ELLIS	583,372	418,045	165,327	32,033,663	1,435,053	30,598,610
GARFIELD	1,281,565	1,169,786	111,779	26,546,615	14,649,729	11,896,886
GARVIN	4,651,029	4,556,116	94,913	44,167,187	33,333,093	10,834,094
GRADY	4,271,407	3,651,952	619,455	113,523,211	31,102,458	82,420,753
GRANT	1,238,879	1,205,092	33,787	4,902,101	2,698,115	2,203,986
GREER	8,259	8,259	0	158,673	0	158,673
HARMON	19,019	19,019	0	0	0	0
HARPER	280,058	169,959	110,099	47,754,227	672,615	47,081,612
HASKELL	8,931	8,931	0	29,995,440	0	29,995,440
HUGHES	655,853	618,129	37,724	10,830,189	913,922	9,916,267
JACKSON	59,987	59,987	0	0	0	0
JEFFERSON	432,562	432,562	0	132,227	37,206	95,021
JOHNSTON	168	139	29	13,135	0	13,135
KAY	1,145,570	1,136,800	8,770	2,448,746	1,272,217	1,176,529
KINGFISHER	2,137,994	1,988,694	149,300	42,288,229	23,164,113	19,124,116
KIOWA	46,205	46,049	156	150,568	0	150,568
LATIMER	20	20	0	172,708,833	51,378	172,657,455
LEFLORE	0	0	0	36,917,737	40	36,917,697
LINCOLN	1,113,420	1,081,566	31,854	8,058,819	4,802,492	3,256,327
LOGAN	1,054,375	1,036,016	18,359	11,342,100	8,628,079	2,714,021
LOVE	677,056	667,684	9,372	2,626,225	794,988	1,831,237
MCCLAIN	1,772,673	1,733,838	38,835	22,377,737	15,775,976	6,601,761



OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

1994 ANNUAL LIQUIDS AND GAS RUNS

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
MCCURTAIN	0	0	0	0	0	0
MCINTOSH	3,838	1,540	2,298	3,340,582	7,810	3,332,772
MAJOR	4,024,075	3,536,351	487,724	70,442,410	29,914,599	40,527,811
MARSHALL	290,676	276,942	13,734	6,209,341	2,225,938	3,983,403
MAYES	38,095	38,095	0	37	0	37
MURRAY	838,252	838,252	0	122,228	91,329	30,899
MUSKOGEE	141,645	141,565	80	517,421	61,890	455,531
NOBLE	1,487,381	1,469,469	17,912	4,446,503	3,318,440	1,128,063
NOWATA	329,674	329,674	0	393,845	75,217	318,628
OKFUSKIE	919,898	891,027	28,871	4,212,566	1,850,593	2,361,973
OKLAHOMA	2,852,173	2,712,062	140,111	22,489,511	13,696,986	8,792,525
OKMULGEE	733,698	728,929	4,769	2,711,487	581,551	2,129,936
OSAGE	5,030,811	5,030,515	296	3,687,893	2,166,227	1,521,666
OTTAWA	0	0	0	0	0	0
PAWNEE	852,905	852,384	521	1,332,604	1,158,426	174,178
PAYNE	1,386,893	1,380,822	6,071	2,817,188	2,249,851	567,337
PITTSBURG	12,236	11,564	672	88,776,989	80,484	88,696,505
PONTOTOC	3,071,613	3,071,458	155	618,036	279,619	338,417
POTTAWATOMIE	2,620,752	2,618,943	1,809	1,649,591	1,479,936	169,655
PUSHMATAHA	0	0	0	29,493	0	29,493
ROGER MILLS	1,225,395	220,018	1,005,377	188,165,166	829,758	187,335,408
ROGERS	60,015	59,747	268	158,719	27,575	131,144
SEMINOLE	2,479,377	2,474,930	4,447	1,848,525	1,056,566	791,959
SEQUOYAH	0	0	0	6,968,813	0	6,968,813
STEPHENS	7,383,036	7,133,009	250,027	48,381,458	16,931,914	31,449,544
TEXAS	1,975,063	1,925,595	49,468	111,229,319	1,349,673	109,879,646
TILLMAN	95,424	95,424	0	0	0	0
TULSA	477,773	477,773	0	662,946	278,867	384,079
WAGONER	105,082	104,789	293	3,382	0	3,382
WASHINGTON	462,868	462,868	0	475,160	122,313	352,847
WASHITA	383,621	129,319	254,302	59,918,227	856,641	59,061,586
WOODS	972,760	854,426	118,334	27,725,871	4,735,617	22,990,254
WOODWARD	320,199	181,281	138,918	28,834,665	852,420	27,982,245
TOTAL FOR YEAR	90,998,504	83,618,694	7,379,810	1,889,516,609	300,741,636	1,588,774,973
DAILY AVERAGE	249,311	229,092	20,219	5,176,758	823,950	4,352,808
AVERAGE PRICE FOR YEAR	\$15.51	\$15.46	\$15.56	\$1.67	\$1.64	\$1.70
TOTAL FOR 1 YEAR AGO	96,819,609	89,280,997	7,538,612	2,016,922,956	311,159,318	1,705,763,638
DAILY AVERAGE 1 YEAR AGO	265,259	244,605	20,654	5,525,816	852,491	4,673,325
AVERAGE PRICE 1 YEAR AGO	\$16.71	\$16.56	\$16.86	\$1.76	\$1.64	\$1.88

Source: Oklahoma Tax Commission

OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

1993 ANNUAL LIQUIDS AND GAS RUN

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
ADAIR	4	4	0	0	0	0
ALFALFA	1,418,078	1,356,441	61,637	13,456,813	5,961,375	7,495,438
ATOKA	1,036	936	100	3,613,454	121,860	3,491,594
BEAVER	1,633,760	1,337,431	296,329	85,647,992	4,416,434	81,231,558
BECKHAM	474,008	257,855	216,153	80,238,482	187,566	80,050,916
BLAINE	606,049	257,610	348,439	66,665,468	7,729,781	58,935,687
BRYAN	77,195	75,550	1,645	2,349,273	479,588	1,869,685
CADDO	3,865,144	3,376,712	488,432	89,036,083	10,003,096	79,032,987
CANADIAN	1,564,267	1,198,136	366,131	73,690,982	15,854,326	57,836,656
CARTER	12,373,361	12,351,966	21,395	20,077,962	12,754,878	7,323,084
CHEROKEE	0	0	0	2,926	0	2,926
CHOCTAW	0	0	0	0	0	0
CIMARRON	265,536	255,860	9,676	7,238,216	435,476	6,802,740
CLEVELAND	1,156,683	1,141,369	15,314	3,353,325	2,378,650	974,675
COAL	163,428	161,409	2,019	4,690,246	162,335	4,527,911
COMANCHE	223,813	213,043	10,770	5,058,765	492,567	4,566,198
COTTON	280,206	280,206	0	29,177	15,666	13,511
CRAIG	3,529	3,529	0	0	0	0
CREEK	3,710,894	3,696,939	13,955	4,259,999	2,466,373	1,793,626
CUSTER	1,768,312	202,617	1,565,695	125,014,414	6,492,979	118,521,435
DELAWARE	0	0	0	0	0	0
DEWEY	967,420	685,741	281,679	49,176,748	12,866,902	36,309,846
ELLIS	524,169	361,543	162,626	30,904,841	1,388,252	29,516,589
GARFIELD	1,404,222	1,285,491	118,731	29,050,049	15,578,452	13,471,597
GARVIN	5,072,174	4,998,893	73,281	47,363,352	35,894,969	11,468,383
GRADY	4,298,664	3,731,298	567,366	103,777,571	23,676,686	80,100,885
GRANT	1,972,815	1,933,381	39,434	5,468,343	2,973,188	2,495,155
GREER	8,601	8,443	158	237,892	0	237,892
HARMON	25,027	25,027	0	0	0	0
HARPER	301,316	188,993	112,323	52,952,060	223,101	52,728,959
HASKELL	0	0	0	32,722,391	87,493	32,634,898
HUGHES	715,384	677,787	37,597	11,580,961	1,113,547	10,467,414
JACKSON	41,876	41,876	0	0	0	0
JEFFERSON	686,234	686,065	169	74,719	69,033	5,686
JOHNSTON	24	0	24	672	0	672
KAY	1,263,019	1,257,629	5,390	2,703,994	1,413,659	1,290,335
KINGFISHER	2,222,009	2,091,245	130,764	43,036,298	24,784,124	18,252,174
KIOWA	36,657	36,416	241	218,530	0	218,530
LATIMER	0	0	0	201,859,732	555,404	201,304,328
LEFLORE	0	0	0	41,314,606	8	41,314,598
LINCOLN	1,159,831	1,140,927	18,904	6,786,423	3,568,626	3,217,797
LOGAN	1,129,710	1,104,449	25,261	11,962,130	9,143,145	2,818,985
LOVE	752,541	735,348	17,193	3,255,347	1,266,167	1,989,180
MCCLAIN	2,037,333	2,006,179	31,154	23,366,428	16,680,119	6,686,309

OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

1993 ANNUAL LIQUIDS AND GAS RUNS

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
MCCURTAIN	0	0	0	0	0	0
MCINTOSH	3,251	1,322	1,929	3,534,547	17,122	3,517,425
MAJOR	3,567,551	3,117,998	449,553	75,775,484	31,460,679	44,314,805
MARSHALL	348,458	334,420	14,038	6,789,883	2,647,069	4,142,814
MAYES	49,200	49,200	0	12	0	12
MURRAY	1,033,859	1,027,460	6,399	239,034	110,764	128,270
MUSKOGEE	149,975	149,662	313	554,698	88,218	466,480
NOBLE	1,720,644	1,699,795	20,849	5,062,253	3,808,752	1,253,501
NOWATA	395,489	395,489	0	283,931	57,353	226,578
OKFUSKEE	983,804	957,301	26,503	4,264,114	1,901,578	2,362,536
OKLAHOMA	2,691,375	2,551,140	140,235	25,525,727	14,149,808	11,375,919
OKMULGEE	772,143	766,679	5,464	3,326,514	600,626	2,725,888
OSAGE	5,384,035	5,384,035	0	3,782,389	2,205,221	1,577,168
OTTAWA	0	0	0	0	0	0
PAWNEE	955,182	953,916	1,266	1,591,891	1,439,953	151,938
PAYNE	1,428,106	1,424,845	3,261	2,895,412	2,223,988	671,424
PITTSBURG	1,325	142	1,183	107,472,268	33,032	107,439,236
PONTOTOC	3,411,443	3,411,005	438	540,404	354,662	185,742
POTTAWATOMIE	2,573,540	2,572,914	626	2,626,287	2,467,759	158,528
PUSHMATAHA	0	0	0	0	0	0
ROGER MILLS	1,200,360	252,779	947,581	199,448,549	876,531	198,572,018
ROGERS	74,904	74,904	0	106,527	15,465	91,062
SEMINOLE	2,826,080	2,817,812	8,268	2,345,474	1,331,655	1,013,819
SEQUOYAH	0	0	0	8,410,902	0	8,410,902
STEPHENS	7,977,111	7,716,422	260,689	41,761,310	14,539,038	27,222,272
TEXAS	2,106,749	2,044,847	61,902	120,667,432	1,982,550	118,684,882
TILLMAN	130,766	130,766	0	0	0	0
TULSA	550,148	549,704	444	621,437	119,509	501,928
WAGONER	141,108	140,811	297	73,976	10,605	63,371
WASHINGTON	524,981	524,981	0	263,890	100,249	163,641
WASHITA	434,540	148,459	286,081	56,362,114	1,490,670	54,871,444
WOODS	771,898	655,517	116,381	29,492,392	4,876,246	24,616,146
WOODWARD	407,255	262,328	144,927	30,867,441	1,014,391	29,853,050
TOTAL FOR YEAR	96,819,609	89,280,997	7,538,612	2,016,922,956	311,159,318	1,705,763,638
DAILY AVERAGE	265,259	244,605	20,654	5,525,816	852,491	4,673,325
AVERAGE PRICE FOR YEAR	\$16.71	\$16.56	\$16.86	\$1.76	\$1.64	\$1.88
TOTAL FOR 1 YEAR AGO	101,833,599	94,408,201	7,425,398	1,962,533,314	335,028,977	1,627,504,337
DAILY AVERAGE 1 YEAR AGO	278,234	257,946	20,288	5,362,113	915,380	4,446,733
AVERAGE PRICE 1 YEAR AGO	\$18.99	\$18.94	\$19.03	\$1.63	\$1.60	\$1.66

Source: Oklahoma Tax Commission

OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

1992 ANNUAL LIQUIDS AND GAS RUN

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
ADAIR	0	0	0	47,143	3,236	43,907
ALFALFA	1,339,916	1,303,475	36,441	10,295,926	4,619,885	5,676,041
ATOKA	1,768	1,768	0	3,390,586	0	3,390,586
BEAVER	1,829,146	1,466,973	362,173	82,182,645	4,866,085	77,316,560
BECKHAM	581,364	289,386	291,978	82,658,749	568,457	82,090,292
BLAINE	731,276	347,392	383,884	68,903,796	8,168,552	60,735,244
BRYAN	80,844	80,710	134	1,829,001	186,610	1,642,391
CADDO	3,734,280	3,377,896	356,384	78,583,261	9,618,696	68,964,565
CANADIAN	1,158,354	777,089	381,265	77,960,538	18,038,162	59,922,376
CARTER	13,636,823	13,612,579	24,244	21,763,186	14,972,744	6,790,442
CHEROKEE	0	0	0	1,664	0	1,664
CHOCTAW	0	0	0	0	0	0
CIMARRON	257,610	249,073	8,537	8,827,539	374,192	8,453,347
CLEVELAND	1,317,568	1,308,444	9,124	3,307,494	2,439,712	867,782
COAL	175,001	171,079	3,922	5,413,783	164,169	5,249,614
COMANCHE	189,082	171,292	17,790	5,884,323	425,016	5,459,307
COTTON	301,112	301,112	0	50,115	33,985	16,130
CRAIG	2,967	2,967	0	15,404	0	15,404
CREEK	4,122,806	4,110,953	11,853	4,511,617	2,693,466	1,818,151
CUSTER	1,585,706	209,938	1,375,768	108,520,923	7,298,528	101,222,395
DELAWARE	0	0	0	0	0	0
DEWEY	1,193,107	856,859	336,248	54,791,554	16,609,597	38,181,957
ELLIS	583,248	402,209	181,039	31,046,352	1,711,783	29,334,569
GARFIELD	1,557,417	1,431,846	125,571	31,194,509	17,606,140	13,588,369
GARVIN	5,303,196	5,208,099	95,097	51,890,858	39,375,769	12,515,089
GRADY	4,593,147	4,033,964	559,183	103,916,227	22,161,928	81,754,299
GRANT	1,772,116	1,746,276	25,840	5,589,014	2,691,153	2,897,861
GREER	9,521	9,521	0	256,152	862	255,290
HARMON	23,716	23,716	0	0	0	0
HARPER	325,113	201,693	123,420	51,495,608	452,018	51,043,590
HASKELL	0	0	0	39,876,467	235,412	39,641,055
HUGHES	794,319	745,710	48,609	12,670,947	1,222,693	11,448,254
JACKSON	41,291	41,291	0	0	0	0
JEFFERSON	476,809	476,809	0	70,560	63,209	7,351
JOHNSTON	0	0	0	3,789	0	3,789
KAY	1,297,919	1,292,201	5,718	2,790,507	1,614,909	1,175,598
KINGFISHER	2,467,480	2,330,713	136,767	46,643,366	27,135,528	19,507,838
KIOWA	42,071	37,539	4,532	392,055	0	392,055
LATIMER	452	0	452	212,779,502	1,750,144	211,029,358
LEFLORE	0	0	0	31,684,335	64,411	31,619,924
LINCOLN	1,182,615	1,159,237	23,378	6,835,497	3,332,792	3,502,705
LOGAN	1,161,291	1,140,515	20,776	11,770,424	8,507,957	3,262,467
LOVE	813,410	772,773	40,637	3,863,936	2,087,333	1,776,603
MCCLAIN	2,371,333	2,334,099	37,234	23,379,276	16,620,280	6,758,996

OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

1992 ANNUAL LIQUIDS AND GAS RUNS

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
MCCURTAIN	0	0	0	0	0	0
MCINTOSH	2,836	2,501	335	4,791,592	33,919	4,757,673
MAJOR	3,291,208	2,775,537	515,671	75,591,647	31,985,082	43,606,565
MARSHALL	400,485	376,354	24,131	6,086,983	2,548,810	3,538,173
MAYES	28,628	28,628	0	6	0	6
MURRAY	1,179,080	1,164,711	14,369	66,318	48,036	18,282
MUSKOGEE	175,417	175,183	234	522,295	53,339	468,956
NOBLE	2,051,756	2,040,922	10,834	6,007,327	4,865,029	1,142,298
NOWATA	471,364	471,364	0	454,502	99,676	354,826
OKFUSKEE	1,047,931	1,021,491	26,440	3,871,901	1,657,547	2,214,354
OKLAHOMA	2,721,113	2,575,319	145,794	27,460,755	15,953,315	11,507,440
OKMULGEE	892,132	873,477	18,655	2,969,401	586,749	2,382,652
OSAGE	5,826,311	5,826,311	0	4,179,231	2,300,019	1,879,212
OTTAWA	0	0	0	0	0	0
PAWNEE	1,056,868	1,056,707	161	2,070,941	1,941,493	129,448
PAYNE	1,504,412	1,499,508	4,904	3,182,601	2,379,832	802,769
PITTSBURG	1,317	0	1,317	94,032,548	268,855	93,763,693
PONTOTOC	3,322,666	3,321,485	1,181	618,651	437,472	181,179
POTTAWATOMIE	2,763,595	2,760,556	3,039	3,889,691	3,698,947	190,744
PUSHMATAHA	0	0	0	0	0	0
ROGER MILLS	1,060,985	294,683	766,302	155,774,192	1,159,713	154,614,479
ROGERS	94,461	94,461	0	130,031	32,898	97,133
SEMINOLE	3,110,022	3,101,301	8,721	2,804,404	1,535,293	1,269,111
SEQUOYAH	0	0	0	9,066,504	117,627	8,948,877
STEPHENS	8,416,087	8,192,081	224,006	42,209,800	15,718,807	26,490,993
TEXAS	2,377,379	2,308,552	68,827	114,785,661	3,028,934	111,756,727
TILLMAN	139,804	139,443	361	0	0	0
TULSA	579,483	578,843	640	685,786	105,267	580,519
WAGONER	169,697	169,590	107	120,020	12,227	107,793
WASHINGTON	652,543	652,543	0	301,671	51,477	250,194
WASHITA	429,534	169,661	259,873	53,516,292	1,007,231	52,509,061
WOODS	600,539	463,556	136,983	30,362,553	4,630,344	25,732,209
WOODWARD	410,752	246,237	164,515	29,891,382	1,055,626	28,835,756
TOTAL FOR YEAR	101,833,599	94,408,201	7,425,398	1,962,533,314	335,028,977	1,627,504,337
DAILY AVERAGE	278,234	257,946	20,288	5,362,113	915,380	4,446,733
AVERAGE PRICE FOR YEAR	\$18.99	\$18.94	\$19.03	\$1.63	\$1.60	\$1.66
TOTAL FOR 1 YEAR AGO	107,915,672	99,737,683	8,177,989	2,130,730,500	355,852,618	1,774,877,882
DAILY AVERAGE 1 YEAR AGO	295,659	273,254	22,405	5,837,618	974,939	4,862,679
AVERAGE PRICE 1 YEAR AGO	\$19.72	\$19.65	\$19.79	\$1.47	\$1.48	\$1.46

Source: Oklahoma Tax Commission

OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

1991 ANNUAL LIQUIDS AND GAS RUN

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
ADAIR	0	0	0	0	0	0
ALFALFA	1,002,500	956,454	46,046	11,803,821	4,642,085	7,161,736
ATOKA	2,111	1,497	614	3,596,095	0	3,596,095
BEAVER	1,912,513	1,607,374	305,139	90,994,441	5,321,706	85,672,735
BECKHAM	691,931	319,985	371,946	93,191,005	375,453	92,815,552
BLAINE	724,613	303,555	421,058	78,754,739	8,929,998	69,824,741
BRYAN	100,868	100,868	0	1,860,844	147,279	1,713,565
CADDO	3,669,954	3,293,078	376,876	83,521,204	7,330,413	76,190,791
CANADIAN	1,377,636	950,629	427,007	89,472,155	19,553,001	69,919,154
CARTER	14,675,166	14,643,033	32,133	23,398,297	16,150,706	7,247,591
CHEROKEE	0	0	0	0	0	0
CHOCTAW	0	0	0	0	0	0
CIMARRON	320,888	309,937	10,951	10,123,990	413,068	9,710,922
CLEVELAND	1,413,381	1,406,872	6,509	4,074,745	3,127,725	947,020
COAL	165,134	158,889	6,245	5,775,650	219,840	5,555,810
COMANCHE	208,314	187,331	20,983	6,038,150	243,438	5,794,712
COTTON	340,828	340,828	0	50,831	41,207	9,624
CRAIG	13,943	13,943	0	2,224	0	2,224
CREEK	4,336,153	4,321,867	14,286	4,654,296	2,562,012	2,092,284
CUSTER	1,474,646	141,425	1,333,221	114,585,133	5,439,838	109,145,295
DELAWARE	0	0	0	0	0	0
DEWEY	1,437,150	1,062,282	374,868	58,081,115	12,650,196	45,430,919
ELLIS	617,180	412,862	204,318	36,571,473	1,838,351	34,733,122
GARFIELD	1,768,308	1,639,677	128,631	32,814,129	18,849,284	13,964,845
GARVIN	5,602,413	5,450,063	152,350	56,715,111	42,859,358	13,855,753
GRADY	5,212,048	4,520,923	691,125	115,327,178	23,929,447	91,397,731
GRANT	1,768,277	1,722,819	45,458	7,415,043	3,840,149	3,574,894
GREER	12,861	12,747	114	274,066	0	274,066
HARMON	23,400	23,400	0	0	0	0
HARPER	390,472	234,173	156,299	61,098,745	522,267	60,576,478
HASKELL	0	0	0	48,785,576	269,375	48,516,201
HUGHES	826,826	790,288	36,538	12,545,483	1,175,314	11,370,169
JACKSON	40,620	40,620	0	0	0	0
JEFFERSON	386,987	386,987	0	90,214	70,326	19,888
JOHNSTON	28	0	28	8,264	0	8,264
KAY	1,378,959	1,373,078	5,881	2,824,654	1,532,864	1,291,790
KINGFISHER	2,699,201	2,562,743	136,458	50,793,039	29,626,996	21,166,043
KIOWA	59,583	59,406	177	218,751	4,347	214,404
LATIMER	522	0	522	216,216,461	1,976,330	214,240,131
LEFLORE	(11)	(11)	0	33,124,449	1,587,396	31,537,053
LINCOLN	1,229,304	1,202,988	26,316	7,370,583	3,286,203	4,084,380
LOGAN	1,105,113	1,085,124	19,989	11,756,281	9,023,614	2,732,667
LOVE	886,703	872,761	13,942	2,924,692	955,046	1,969,646
MCCLAIN	2,328,508	2,293,737	34,771	26,258,889	19,033,205	7,225,684

OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

1991 ANNUAL LIQUIDS AND GAS RUNS

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
MCCURTAIN	0	0	0	0	0	0
MCINTOSH	3,382	2,799	583	5,083,893	20,841	5,063,052
MAJOR	2,958,362	2,372,070	586,292	82,543,581	35,894,259	46,649,322
MARSHALL	521,898	479,566	42,332	6,793,673	3,006,125	3,787,548
MAYES	20,661	20,661	0	6	0	6
MURRAY	1,388,015	1,361,292	26,723	408,662	162,957	245,705
MUSKOGEE	219,516	219,303	213	762,664	80,696	681,968
NOBLE	2,368,364	2,361,576	6,788	6,716,878	5,433,311	1,283,567
NOWATA	591,199	591,199	0	428,296	99,759	328,537
OKFUSKEE	950,054	932,413	17,641	4,299,207	1,687,589	2,611,618
OKLAHOMA	3,126,151	2,837,689	288,462	26,125,947	15,772,375	10,353,572
OKMULGEE	1,070,430	1,054,775	15,655	3,541,031	707,765	2,833,266
OSAGE	6,189,828	6,189,515	313	4,783,537	2,696,772	2,086,765
OTTAWA	0	0	0	0	0	0
PAWNEE	1,118,000	1,118,000	0	2,669,335	2,437,218	232,117
PAYNE	1,543,939	1,536,735	7,204	3,774,595	2,902,423	872,172
PITTSBURG	149	0	149	101,949,269	941,230	101,008,039
PONTOTOC	3,450,721	3,450,023	698	727,521	491,573	235,948
POTTAWATOMIE	2,841,710	2,828,740	12,970	5,611,986	5,329,320	282,666
PUSHMATAHA	0	0	0	0	0	0
ROGER MILLS	1,147,873	378,101	769,772	170,647,447	1,553,142	169,094,305
ROGERS	96,631	96,631	0	184,098	35,379	148,719
SEMINOLE	3,392,129	3,386,066	6,063	2,519,447	1,384,663	1,134,784
SEQUOYAH	0	0	0	10,423,583	251,572	10,172,011
STEPHENS	9,252,252	8,955,740	296,512	45,168,746	16,823,207	28,345,539
TEXAS	2,403,226	2,334,730	68,496	116,795,924	2,709,777	114,086,147
TILLMAN	126,737	126,737	0	0	0	0
TULSA	589,946	589,634	312	979,293	207,475	771,818
WAGONER	176,509	176,055	454	146,344	28,661	117,683
WASHINGTON	749,145	749,145	0	442,753	105,720	337,033
WASHITA	527,048	195,644	331,404	58,216,362	945,513	57,270,849
WOODS	535,769	413,695	122,074	30,915,865	5,542,004	25,373,861
WOODWARD	350,997	174,917	176,080	34,958,741	1,073,455	33,885,286
TOTAL FOR YEAR	107,915,672	99,737,683	8,177,989	2,130,730,500	355,852,618	1,774,877,882
DAILY AVERAGE	295,659	273,254	22,405	5,837,618	974,939	4,862,679
AVERAGE PRICE FOR YEAR	\$19.72	\$19.65	\$19.79	\$1.47	\$1.48	\$1.46
TOTAL FOR 1 YEAR AGO	112,321,064	103,476,612	8,844,452	2,263,488,713	366,019,232	1,897,469,481
DAILY AVERAGE 1 YEAR AGO	307,729	283,498	24,231	6,201,339	1,002,792	5,198,547
AVERAGE PRICE 1 YEAR AGO	\$22.95	\$22.99	\$22.91	\$1.57	\$1.57	\$1.56

Source: Oklahoma Tax Commission

OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

1990 ANNUAL LIQUIDS AND GAS RUN

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
ADAIR	0	0	0	0	0	0
ALFALFA	981,049	917,114	63,935	12,523,572	5,678,047	6,845,525
ATOKA	2,618	2,470	148	5,284,922	2,632	5,282,290
BEAVER	2,077,928	1,777,803	300,125	92,034,659	6,073,843	85,960,816
BECKHAM	938,577	391,928	546,649	97,490,450	645,224	96,845,226
BLAINE	893,607	372,318	521,289	88,777,548	10,210,950	78,566,598
BRYAN	85,271	85,086	185	1,969,467	347,054	1,622,413
CADDO	3,440,677	3,064,799	375,878	87,357,138	5,877,798	81,479,340
CANADIAN	1,666,601	1,143,524	523,077	98,068,094	21,796,121	76,271,973
CARTER	14,515,871	14,486,718	29,153	20,567,958	13,752,576	6,815,382
CHEROKEE	0	0	0	102	0	102
CHOCTAW	0	0	0	0	0	0
CIMARRON	399,395	389,630	9,765	10,037,625	372,011	9,665,614
CLEVELAND	1,571,086	1,558,342	12,744	5,226,622	3,412,483	1,814,139
COAL	175,577	174,994	583	4,947,215	272,442	4,674,773
COMANCHE	254,470	230,788	23,682	6,297,285	405,810	5,891,475
COTTON	342,492	342,492	0	118,787	91,372	27,415
CRAIG	4,746	4,746	0	517	0	517
CREEK	4,303,631	4,286,685	16,946	5,086,940	2,851,259	2,235,681
CUSTER	1,736,646	213,150	1,523,496	124,988,839	3,574,250	121,414,589
DELAWARE	0	0	0	0	0	0
DEWEY	1,451,202	1,038,090	413,112	63,383,095	12,402,106	50,980,989
ELLIS	622,106	374,994	247,112	37,833,146	2,255,449	35,577,697
GARFIELD	2,088,178	1,969,891	118,287	35,906,152	20,242,503	15,663,649
GARVIN	5,565,888	5,451,721	114,167	53,797,248	42,079,177	11,718,071
GRADY	5,329,003	4,585,345	743,658	117,722,434	22,879,422	94,843,012
GRANT	2,174,063	2,155,969	18,094	8,276,432	4,853,437	3,422,995
GREER	12,703	12,365	338	273,052	0	273,052
HARMON	25,964	25,964	0	0	0	0
HARPER	486,967	289,583	197,384	63,781,112	742,571	63,038,541
HASKELL	0	0	0	48,846,135	44,703	48,801,432
HUGHES	798,877	758,918	39,959	13,015,529	1,411,274	11,604,255
JACKSON	41,568	41,568	0	0	0	0
JEFFERSON	403,655	403,655	0	130,424	97,882	32,542
JOHNSTON	0	0	0	9,548	0	9,548
KAY	1,156,608	1,149,251	7,357	2,970,025	1,685,818	1,284,207
KINGFISHER	2,783,609	2,654,724	128,885	49,866,302	31,180,426	18,685,876
KIOWA	69,438	68,549	889	356,924	13,277	343,647
LATIMER	141	0	141	207,778,024	1,056,537	206,721,487
LEFLORE	158	158	0	98,282,732	2,247,940	96,034,792
LINCOLN	1,150,525	1,119,432	31,093	7,201,230	2,432,461	4,768,769
LOGAN	1,318,261	1,295,018	23,243	12,970,304	9,920,674	3,049,630
LOVE	940,237	924,733	15,504	3,116,834	1,020,076	2,096,758
MCCLAIN	2,597,255	2,554,492	42,763	27,394,367	19,278,219	8,116,148



OKLAHOMA CORPORATION COMMISSION  
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1990 ANNUAL LIQUIDS AND GAS RUNS

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
MCCURTAIN	0	0	0	0	0	0
MCINTOSH	2,440	2,013	427	6,250,033	29,246	6,220,787
MAJOR	3,347,645	2,735,697	611,948	91,326,924	40,474,893	50,852,031
MARSHALL	490,549	453,947	36,602	5,762,381	2,073,501	3,688,880
MAYES	24,203	24,203	0	6	0	6
MURRAY	1,530,413	1,496,682	33,731	703,978	193,767	510,211
MUSKOGEE	227,972	227,674	298	905,181	83,216	821,965
NOBLE	2,134,869	2,121,256	13,613	7,126,268	5,312,754	1,813,514
NOWATA	557,531	557,531	0	499,957	113,143	386,814
OKFUSKEE	960,783	947,437	13,346	4,744,278	1,607,810	3,136,468
OKLAHOMA	3,197,720	3,010,955	186,765	25,703,281	16,442,287	9,260,994
OKMULGEE	1,032,566	1,017,529	15,037	4,258,002	829,670	3,428,332
OSAGE	6,365,756	6,365,756	0	5,445,104	2,967,064	2,478,040
OTTAWA	373	373	0	0	0	0
PAWNEE	1,220,315	1,220,155	160	3,377,962	3,148,593	229,369
PAYNE	1,372,086	1,366,709	5,377	3,586,796	2,608,270	978,526
PITTSBURG	466	158	308	108,086,401	1,213,073	106,873,328
PONTOTOC	3,725,282	3,724,138	1,144	846,050	549,134	296,916
POTTAWATOMIE	3,294,787	3,279,278	15,509	6,629,410	5,952,376	677,034
PUSHMATAHA	0	0	0	0	0	0
ROGER MILLS	1,322,145	515,527	806,618	167,823,159	1,119,178	166,703,981
ROGERS	115,259	115,259	0	215,076	22,787	192,289
SEMINOLE	3,544,916	3,537,354	7,562	2,741,144	1,381,320	1,359,824
SEQUOYAH	0	0	0	9,694,882	878	9,694,004
STEPHENS	9,619,381	9,385,169	234,212	42,539,976	16,473,347	26,066,629
TEXAS	2,564,551	2,489,296	75,255	117,572,246	2,880,873	114,691,373
TILLMAN	109,210	109,210	0	0	0	0
TULSA	626,213	622,925	3,288	1,153,282	147,147	1,006,135
WAGONER	234,366	233,984	382	244,265	46,953	197,312
WASHINGTON	728,172	728,172	0	707,408	90,449	616,959
WASHITA	582,787	231,194	351,593	63,633,548	1,000,886	62,632,662
WOODS	633,793	487,931	145,862	33,326,777	6,790,142	26,536,635
WOODWARD	347,867	152,093	195,774	34,896,149	1,258,651	33,637,498
TOTAL FOR YEAR	112,321,064	103,476,612	8,844,452	2,263,488,713	366,019,232	1,897,469,481
DAILY AVERAGE	307,729	283,498	24,231	6,201,339	1,002,792	5,198,547
AVERAGE PRICE FOR YEAR	\$22.95	\$22.99	\$22.91	\$1.57	\$1.57	\$1.56
TOTAL FOR 1 YEAR AGO	117,970,730	108,482,423	9,488,307	2,197,137,619	390,746,303	1,806,391,316
DAILY AVERAGE 1 YEAR AGO	323,207	297,212	25,995	6,019,555	1,070,538	4,949,017
AVERAGE PRICE 1 YEAR AGO	\$18.23	\$18.27	\$18.18	\$1.52	\$1.42	\$1.61

Source: Oklahoma Tax Commission

OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

1989 ANNUAL LIQUIDS AND GAS RUN

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
ADAIR	0	0	0	0	0	0
ALFALFA	928,182	880,874	47,308	12,047,808	5,522,269	6,525,539
ATOKA	2,705	2,705	0	1,522,086	6,350	1,515,736
BEAVER	2,317,640	2,046,224	271,416	87,510,132	5,866,977	81,643,155
BECKHAM	993,135	439,849	553,286	92,160,551	490,083	91,670,468
BLAINE	1,022,338	401,227	621,111	104,043,014	11,181,361	92,861,653
BRYAN	66,932	66,394	538	1,853,644	363,571	1,490,073
CADDO	3,440,094	3,056,396	383,698	100,044,068	5,644,544	94,399,524
CANADIAN	1,864,216	1,304,087	560,129	101,529,527	24,901,247	76,628,280
CARTER	14,748,425	14,712,532	35,893	19,823,569	12,837,888	6,985,681
CHEROKEE	0	0	0	0	0	0
CHOCTAW	0	0	0	0	0	0
CIMARRON	480,269	471,799	8,470	14,265,030	413,880	13,851,150
CLEVELAND	1,715,178	1,705,899	9,279	5,067,903	3,539,737	1,528,166
COAL	173,179	172,572	607	4,335,213	215,888	4,119,325
COMANCHE	265,243	240,734	24,509	8,246,861	345,613	7,901,248
COTTON	316,163	316,126	37	188,427	129,963	58,464
CRAIG	2,401	2,401	0	114	0	114
CREEK	4,492,615	4,483,948	8,667	5,338,337	3,274,953	2,063,384
CUSTER	2,098,840	265,424	1,833,416	142,273,317	3,097,603	139,175,714
DELAWARE	0	0	0	0	0	0
DEWEY	1,450,590	1,014,703	435,887	64,602,987	13,461,283	51,141,704
ELLIS	776,594	509,781	266,813	40,006,185	4,832,114	35,174,071
GARFIELD	1,854,503	1,720,067	134,436	40,595,006	23,962,939	16,632,067
GARVIN	5,756,684	5,634,163	122,521	55,388,766	44,942,288	10,446,478
GRADY	5,950,850	5,087,262	863,588	118,795,634	22,514,849	96,280,785
GRANT	2,791,225	2,760,546	30,679	13,177,709	7,898,348	5,279,361
GREER	11,873	11,624	249	253,031	0	253,031
HARMON	26,189	26,189	0	356	0	356
HARPER	352,676	182,875	169,801	60,473,192	810,740	59,662,452
HASKELL	0	0	0	49,387,129	4,656	49,382,473
HUGHES	905,527	873,327	32,200	14,251,119	1,329,108	12,922,011
JACKSON	46,532	46,532	0	0	0	0
JEFFERSON	431,200	431,200	0	209,069	153,642	55,427
JOHNSTON	548	0	548	12,642	40	12,602
KAY	1,190,920	1,186,795	4,125	2,809,819	1,674,897	1,134,922
KINGFISHER	3,138,021	3,001,917	136,104	54,672,474	36,927,329	17,745,145
KIOWA	109,758	108,725	1,033	426,646	13,051	413,595
LATIMER	0	0	0	154,432,682	719,835	153,712,847
LEFLORE	0	0	0	29,398,497	2,771,039	26,627,458
LINCOLN	1,146,490	1,114,659	31,831	8,358,078	2,275,487	6,082,591
LOGAN	1,471,722	1,429,168	42,554	14,247,744	10,897,772	3,349,972
LOVE	1,112,808	1,097,564	15,244	3,176,447	980,820	2,195,627
MCCLAINE	2,884,825	2,837,569	47,256	26,236,999	19,382,057	6,854,942

OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

1989 ANNUAL LIQUIDS AND GAS RUNS

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
MCCURTAIN	0	0	0	0	0	0
MCINTOSH	3,030	2,646	384	7,632,059	44,594	7,587,465
MAJOR	3,787,678	3,174,652	613,026	94,318,860	42,827,839	51,491,021
MARSHALL	287,725	262,563	25,162	6,375,830	1,659,219	4,716,611
MAYES	27,189	27,189	0	12	0	12
MURRAY	1,525,900	1,506,383	19,517	756,621	275,409	481,212
MUSKOGEE	229,328	229,177	151	1,277,873	110,818	1,167,055
NOBLE	2,133,290	2,123,353	9,937	6,636,363	5,497,718	1,138,645
NOWATA	515,540	515,540	0	460,793	121,928	338,865
OKFUSKEE	926,924	912,737	14,187	5,252,371	1,570,652	3,681,719
OKLAHOMA	2,983,478	2,807,070	176,408	26,602,205	14,861,737	11,740,468
OKMULGEE	1,106,006	1,086,409	19,597	6,039,821	984,742	5,055,079
OSAGE	6,395,843	6,395,688	155	6,282,865	3,365,740	2,917,125
OTTAWA	0	0	0	0	0	0
PAWNEE	1,514,443	1,514,284	159	5,402,352	5,127,212	275,140
PAYNE	1,472,113	1,469,098	3,015	4,021,152	2,893,770	1,127,382
PITTSBURG	273	226	47	90,348,950	1,249,377	89,099,573
PONTOTOC	3,785,686	3,784,996	690	810,019	616,578	193,441
POTTAWATOMIE	3,566,931	3,556,723	10,208	6,727,229	5,878,209	849,020
PUSHMATAHA	0	0	0	0	0	0
ROGER MILLS	1,480,965	648,145	832,820	176,195,569	1,542,398	174,653,171
ROGERS	118,428	118,349	79	280,698	23,881	256,817
SEMINOLE	3,764,209	3,752,929	11,280	3,409,158	1,763,639	1,645,519
SEQUOYAH	0	0	0	4,928,825	66,960	4,861,865
STEPHENS	9,896,966	9,676,082	220,884	37,894,048	15,416,072	22,477,976
TEXAS	2,837,896	2,749,764	88,132	116,147,243	2,353,804	113,793,439
TILLMAN	86,660	86,660	0	0	0	0
TULSA	654,686	649,753	4,933	1,185,072	181,333	1,003,739
WAGONER	310,014	309,562	452	336,309	85,548	250,761
WASHINGTON	629,920	629,920	0	645,398	108,405	536,993
WASHITA	588,539	247,796	340,743	69,439,647	1,066,859	68,372,788
WOODS	624,341	451,028	173,313	30,222,934	6,260,023	23,962,911
WOODWARD	379,639	149,844	229,795	36,345,531	1,407,618	34,937,913
TOTAL FOR YEAR	117,970,730	108,482,423	9,488,307	2,197,137,619	390,746,303	1,806,391,316
DAILY AVERAGE	323,207	297,212	25,995	6,019,555	1,070,538	4,949,017
AVERAGE PRICE FOR YEAR	\$18.23	\$18.27	\$18.18	\$1.52	\$1.42	\$1.61
TOTAL FOR 1 YEAR AGO	128,999,366	118,846,470	10,152,896	2,118,135,985	409,254,473	1,708,881,512
DAILY AVERAGE 1 YEAR AGO	352,457	324,717	27,740	5,787,257	1,118,182	4,669,075
AVERAGE PRICE 1 YEAR AGO	\$14.81	\$14.89	\$14.73	\$1.50	\$1.44	\$1.56

Source: Oklahoma Tax Commission

OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

1988 ANNUAL LIQUIDS AND GAS RUN

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
ADAIR	0	0	0	0	0	0
ALFALFA	834,151	796,702	37,449	12,474,486	5,618,944	6,855,542
ATOKA	3,375	3,208	167	201,098	0	201,098
BEAVER	2,458,162	2,160,042	298,120	85,339,498	5,498,227	79,841,271
BECKHAM	1,056,405	524,342	532,063	72,456,668	407,581	72,049,087
BLAINE	1,145,926	535,330	610,596	109,723,768	13,195,606	96,528,162
BRYAN	78,549	77,852	697	1,562,522	451,393	1,111,129
CADDO	3,769,609	3,316,513	453,096	110,048,356	4,825,286	105,223,070
CANADIAN	2,072,740	1,510,037	562,703	104,566,080	28,116,811	76,449,269
CARTER	14,890,727	14,872,065	18,662	16,326,619	11,890,697	4,435,922
CHEROKEE	0	0	0	0	0	0
CHOCTAW	0	0	0	0	0	0
CIMARRON	680,531	673,056	7,475	9,720,040	448,096	9,271,944
CLEVELAND	2,031,125	2,021,043	10,082	5,132,838	3,925,866	1,206,972
COAL	175,331	175,331	0	3,868,315	179,539	3,688,776
COMANCHE	260,203	237,225	22,978	16,096,172	241,707	15,854,465
COTTON	318,603	318,603	0	145,990	92,034	53,956
CRAIG	3,540	3,540	0	30,612	0	30,612
CREEK	4,722,866	4,720,717	2,149	5,772,002	3,559,971	2,212,031
CUSTER	2,499,992	335,712	2,164,280	150,715,103	2,560,593	148,154,510
DELAWARE	0	0	0	0	0	0
DEWEY	1,767,808	1,264,767	503,041	66,050,293	15,566,082	50,484,211
ELLIS	1,328,510	943,383	385,127	42,986,478	6,308,637	36,677,841
GARFIELD	1,790,301	1,653,613	136,688	41,169,340	24,161,675	17,007,665
GARVIN	6,096,609	6,007,020	89,589	53,886,575	43,784,242	10,102,333
GRADY	7,070,014	6,174,712	895,302	110,510,594	19,513,027	90,997,567
GRANT	3,400,832	3,350,007	50,825	19,649,133	10,618,078	9,031,055
GREER	14,935	14,701	234	191,986	0	191,986
HARMON	47,597	47,597	0	0	0	0
HARPER	361,694	212,120	149,574	49,986,234	441,852	49,544,382
HASKELL	0	0	0	42,820,176	0	42,820,176
HUGHES	1,024,686	995,632	29,054	13,827,980	1,409,375	12,418,605
JACKSON	58,248	58,248	0	0	0	0
JEFFERSON	501,939	501,939	0	222,647	172,070	50,577
JOHNSTON	0	0	0	986	0	986
KAY	1,337,402	1,336,515	887	2,869,859	1,812,200	1,057,659
KINGFISHER	3,468,333	3,300,294	168,039	54,659,200	38,652,913	16,006,287
KIOWA	76,148	66,807	9,341	448,457	5,849	442,608
LATIMER	0	0	0	116,711,355	0	116,711,355
LEFLORE	0	0	0	29,419,497	0	29,419,497
LINCOLN	1,258,947	1,216,743	42,204	10,052,725	3,010,681	7,042,044
LOGAN	1,583,768	1,565,729	18,039	15,480,205	11,730,824	3,749,381
LOVE	1,302,465	1,285,581	16,884	4,161,563	1,226,908	2,934,655
MCCLAINE	3,306,366	3,258,396	47,970	24,495,840	18,546,961	5,948,879

OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

1988 ANNUAL LIQUIDS AND GAS RUNS

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
MCCURTAIN	0	0	0	0	0	0
MCINTOSH	2,117	1,772	345	8,764,023	90,976	8,673,047
MAJOR	4,161,210	3,572,516	588,694	92,745,429	45,414,237	47,331,192
MARSHALL	299,701	276,518	23,183	7,062,694	1,860,128	5,202,566
MAYES	23,981	23,981	0	12	0	12
MURRAY	1,522,771	1,522,409	362	281,015	203,739	77,276
MUSKOGEE	240,372	240,062	310	1,045,252	107,458	937,794
NOBLE	2,400,240	2,390,320	9,920	7,635,996	6,521,489	1,114,507
NOWATA	374,510	374,510	0	539,117	227,149	311,968
OKFUSKEE	965,618	947,929	17,689	6,573,694	1,426,506	5,147,188
OKLAHOMA	3,289,563	3,078,486	211,077	27,387,360	16,295,499	11,091,861
OKMULGEE	1,204,591	1,186,016	18,575	6,017,234	1,279,463	4,737,771
OSAGE	6,917,186	6,917,186	0	6,273,052	3,493,745	2,779,307
OTTAWA	0	0	0	0	0	0
PAWNEE	2,118,846	2,118,531	315	8,533,912	7,912,805	621,107
PAYNE	1,645,145	1,641,452	3,693	3,983,155	2,932,430	1,050,725
PITTSBURG	130	130	0	73,003,528	0	73,003,528
PONTOTOC	4,206,666	4,205,720	946	952,133	715,555	236,578
POTTAWATOMIE	4,037,900	4,029,192	8,708	6,093,968	5,567,132	526,836
PUSHMATAHA	0	0	0	0	0	0
ROGER MILLS	1,213,324	332,158	881,166	168,628,597	734,779	167,893,818
ROGERS	140,912	140,377	535	306,167	26,084	280,083
SEMINOLE	4,287,150	4,259,633	27,517	3,693,350	1,454,244	2,239,106
SEQUOYAH	0	0	0	1,871,516	0	1,871,516
STEPHENS	10,555,894	10,286,981	268,913	40,713,765	21,440,597	19,273,168
TEXAS	3,180,092	3,084,315	95,777	114,948,060	3,050,009	111,898,051
TILLMAN	71,435	71,435	0	0	0	0
TULSA	700,981	698,103	2,878	1,388,215	167,650	1,220,565
WAGONER	318,553	313,616	4,937	450,446	110,838	339,608
WASHINGTON	650,584	650,584	0	656,024	152,008	504,016
WASHITA	604,295	286,213	318,082	58,340,821	821,544	57,519,277
WOODS	638,391	467,302	171,089	32,858,219	7,567,652	25,290,567
WOODWARD	428,771	193,901	234,870	33,607,941	1,707,032	31,900,909
TOTAL FOR YEAR	128,999,366	118,846,470	10,152,896	2,118,135,985	409,254,473	1,708,881,512
DAILY AVERAGE	352,457	324,717	27,740	5,787,257	1,118,182	4,669,075
AVERAGE PRICE FOR YEAR	\$14.81	\$14.89	\$14.73	\$1.50	\$1.44	\$1.56
TOTAL FOR 1 YEAR AGO	133,995,554	123,289,062	10,706,492	2,029,899,393	430,689,045	1,599,210,348
DAILY AVERAGE 1 YEAR AGO	367,111	337,778	29,333	5,561,368	1,179,970	4,381,398
AVERAGE PRICE 1 YEAR AGO	\$17.46	\$17.67	\$17.25	\$1.46	\$1.43	\$1.48

Source: Oklahoma Tax Commission

OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

1987 ANNUAL LIQUIDS AND GAS RUN

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
ADAIR	0	0	0	0	0	0
ALFALFA	711,165	672,317	38,848	14,219,984	6,071,166	8,148,818
ATOKA	3,504	3,024	480	170,010	0	170,010
BEAVER	2,632,812	2,297,431	335,381	82,853,579	7,013,598	75,839,981
BECKHAM	1,083,184	483,855	599,329	75,402,820	760,273	74,642,547
BLAINE	1,157,844	545,387	612,457	104,138,569	15,194,878	88,943,691
BRYAN	82,315	81,749	566	1,004,529	431,720	572,809
CADDO	4,169,475	3,560,454	609,021	124,517,101	5,389,043	119,128,058
CANADIAN	2,292,542	1,782,001	510,541	101,954,759	30,565,339	71,389,420
CARTER	13,553,707	13,534,752	18,955	16,523,838	13,070,980	3,452,858
CHEROKEE	0	0	0	0	0	0
CHOCTAW	0	0	0	0	0	0
CIMARRON	660,926	652,689	8,237	8,729,912	636,662	8,093,250
CLEVELAND	2,277,322	2,268,478	8,844	5,258,453	4,115,586	1,142,867
COAL	174,186	174,103	83	3,717,253	168,038	3,549,215
COMANCHE	248,632	212,957	35,675	9,600,440	208,726	9,391,714
COTTON	341,229	341,229	0	82,478	41,980	40,498
CRAIG	4,284	4,284	0	35,006	0	35,006
CREEK	5,136,555	5,134,581	1,974	7,099,096	4,274,693	2,824,403
CUSTER	2,553,469	384,284	2,169,185	141,718,113	2,845,143	138,872,970
DELAWARE	0	0	0	0	0	0
DEWEY	2,080,084	1,564,810	515,274	65,724,507	16,470,979	49,253,528
ELLIS	1,484,154	924,512	559,642	38,332,812	4,707,307	33,625,505
GARFIELD	1,959,014	1,791,199	167,815	43,951,312	24,646,651	19,304,661
GARVIN	7,095,151	6,979,369	115,782	55,770,177	45,858,640	9,911,537
GRADY	7,228,334	6,112,970	1,115,364	113,142,982	18,251,092	94,891,890
GRANT	3,639,526	3,610,984	28,542	19,019,803	9,602,374	9,417,429
GREER	15,959	15,705	254	276,591	0	276,591
HARMON	42,318	42,318	0	0	0	0
HARPER	356,512	230,560	125,952	41,320,371	463,555	40,856,816
HASKELL	0	0	0	36,690,904	0	36,690,904
HUGHES	1,161,191	1,137,478	23,713	13,781,499	1,423,311	12,358,188
JACKSON	67,569	67,569	0	0	0	0
JEFFERSON	532,704	532,704	0	240,633	199,048	41,585
JOHNSTON	0	0	0	995	0	995
KAY	1,338,456	1,338,288	168	3,661,987	1,993,396	1,668,591
KINGFISHER	3,744,597	3,561,587	183,010	57,654,780	41,705,786	15,948,994
KIOWA	76,734	76,121	613	91,783	0	91,783
LATIMER	0	0	0	77,329,576	0	77,329,576
LEFLORE	0	0	0	22,330,290	0	22,330,290
LINCOLN	1,388,801	1,325,395	63,406	11,664,109	3,604,174	8,059,935
LOGAN	1,697,326	1,677,621	19,705	20,097,269	15,249,751	4,847,518
LOVE	1,524,127	1,512,987	11,140	3,291,877	1,399,753	1,892,124
MCCLAINE	3,687,638	3,645,799	41,839	23,441,363	17,693,308	5,748,055

OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

1987 ANNUAL LIQUIDS AND GAS RUNS

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
MCCURTAIN	0	0	0	0	0	0
MCINTOSH	4,558	4,273	285	11,173,233	73,370	11,099,863
MAJOR	3,975,191	3,423,349	551,842	84,370,824	44,280,483	40,090,341
MARSHALL	299,475	287,668	11,807	4,215,280	1,979,983	2,235,297
MAYES	24,844	24,844	0	12	0	12
MURRAY	1,490,802	1,490,802	0	278,594	239,585	39,009
MUSKOGEE	221,922	221,171	751	1,516,335	163,228	1,353,107
NOBLE	2,614,578	2,599,170	15,408	9,592,721	8,100,558	1,492,163
NOWATA	409,056	409,056	0	527,268	186,691	340,577
OKFUSKEE	999,823	967,361	32,462	5,844,273	1,214,981	4,629,292
OKLAHOMA	3,769,992	3,566,406	203,586	27,663,017	16,833,296	10,829,721
OKMULGEE	1,253,679	1,231,336	22,343	6,679,290	1,576,897	5,102,393
OSAGE	6,788,173	6,788,041	132	7,187,633	3,878,934	3,308,699
OTTAWA	0	0	0	2,493	0	2,493
PAWNEE	2,669,551	2,668,061	1,490	11,035,086	10,323,536	711,550
PAYNE	1,757,104	1,747,385	9,719	4,789,679	3,645,575	1,144,104
PITTSBURG	0	0	0	62,622,413	0	62,622,413
PONTOTOC	4,365,631	4,363,883	1,748	1,101,967	771,548	330,419
POTTAWATOMIE	4,252,650	4,251,374	1,276	6,379,370	5,734,831	644,539
PUSHMATAHA	0	0	0	0	0	0
ROGER MILLS	933,250	143,190	790,060	168,660,079	473,256	168,186,823
ROGERS	147,792	147,792	0	230,138	3,892	226,246
SEMINOLE	4,012,815	3,982,356	30,459	3,674,097	1,560,251	2,113,846
SEQUOYAH	0	0	0	1,199,912	0	1,199,912
STEPHENS	10,733,233	10,465,214	268,019	43,630,594	22,948,517	20,682,077
TEXAS	3,528,812	3,443,855	84,957	87,790,193	3,439,078	84,351,115
TILLMAN	78,530	78,530	0	0	0	0
TULSA	724,955	724,387	568	1,180,655	165,632	1,015,023
WAGONER	325,400	308,664	16,736	736,075	128,725	607,350
WASHINGTON	662,610	662,610	0	864,708	216,401	648,307
WASHITA	689,789	352,263	337,526	73,955,509	951,337	73,004,172
WOODS	581,429	410,241	171,188	28,299,947	5,897,821	22,402,126
WOODWARD	476,564	244,229	232,335	29,856,438	1,843,689	28,012,749
TOTAL FOR YEAR	133,995,554	123,289,062	10,706,492	2,029,899,393	430,689,045	1,599,210,348
DAILY AVERAGE	367,111	337,778	29,333	5,561,368	1,179,970	4,381,398
AVERAGE PRICE FOR YEAR	\$17.46	\$17.67	\$17.25	\$1.46	\$1.43	\$1.48
TOTAL FOR 1 YEAR AGO	149,106,240	137,883,037	11,223,203	1,928,599,409	454,257,190	1,474,342,219
DAILY AVERAGE 1 YEAR AGO	408,510	377,762	30,749	5,283,834	1,244,540	4,039,294
AVERAGE PRICE 1 YEAR AGO	\$14.51	\$14.51	\$14.51	\$1.71	\$1.71	\$1.71

Source: Oklahoma Tax Commission

OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

1986 ANNUAL LIQUIDS AND GAS RUN

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
ADAIR	0	0	0	0	0	0
ALFALFA	927,293	875,171	52,122	17,239,721	6,893,403	10,346,318
ATOKA	1,936	1,635	301	58,823	0	58,823
BEAVER	3,118,825	2,798,994	319,831	71,420,944	8,524,552	62,896,392
BECKHAM	1,493,067	522,042	971,025	88,310,027	332,464	87,977,563
BLAINE	1,289,199	594,384	694,815	91,216,588	12,853,156	78,363,432
BRYAN	93,518	93,175	343	956,043	450,149	505,894
CADDO	4,334,337	3,772,551	561,786	115,174,555	3,793,304	111,381,251
CANADIAN	2,665,187	2,145,863	519,324	113,865,908	35,632,117	78,233,791
CARTER	13,839,072	13,811,409	27,663	16,774,378	13,398,498	3,375,880
CHEROKEE	0	0	0	0	0	0
CHOCTAW	0	0	0	0	0	0
CIMARRON	782,518	777,165	5,353	9,620,514	719,801	8,900,713
CLEVELAND	2,251,075	2,241,780	9,295	5,924,159	4,844,329	1,079,830
COAL	184,553	183,931	622	3,783,468	168,858	3,614,610
COMANCHE	295,014	248,771	46,243	7,590,747	226,725	7,364,022
COTTON	361,904	361,904	0	160,243	123,684	36,559
CRAIG	6,203	6,203	0	38,203	0	38,203
CREEK	5,762,943	5,758,813	4,130	9,373,325	5,397,986	3,975,339
CUSTER	2,778,419	593,701	2,184,718	136,354,096	5,211,588	131,142,508
DELAWARE	0	0	0	0	0	0
DEWEY	2,744,877	2,246,604	498,273	57,683,087	17,668,122	40,014,965
ELLIS	1,189,254	812,993	376,261	31,197,178	4,576,704	26,620,474
GARFIELD	2,387,165	2,195,374	191,791	51,367,801	29,283,789	22,084,012
GARVIN	7,866,939	7,735,212	131,727	50,175,305	41,227,736	8,947,569
GRADY	8,004,336	6,642,838	1,361,498	110,105,100	17,690,382	92,414,718
GRANT	2,651,702	2,598,484	53,218	20,466,540	8,400,063	12,066,477
GREER	14,806	14,498	308	174,314	0	174,314
HARMON	44,179	44,179	0	0	0	0
HARPER	318,587	213,223	105,364	39,634,091	758,820	38,875,271
HASKELL	0	0	0	29,701,773	55,630	29,646,143
HUGHES	1,422,401	1,407,223	15,178	15,681,091	1,750,645	13,930,446
JACKSON	115,518	115,518	0	0	0	0
JEFFERSON	745,322	745,017	305	370,950	370,950	0
JOHNSTON	175	175	0	2,447	0	2,447
KAY	1,540,928	1,540,444	484	4,257,467	2,227,392	2,030,075
KINGFISHER	4,315,654	4,118,998	196,656	63,999,157	45,148,336	18,850,821
KIOWA	110,343	110,343	0	85,155	25,042	60,113
LATIMER	0	0	0	40,461,813	189,396	40,272,417
LEFLORE	0	0	0	13,905,692	0	13,905,692
LINCOLN	1,566,490	1,531,134	35,356	12,362,718	4,817,155	7,545,563
LOGAN	2,077,260	2,037,464	39,796	24,480,204	19,586,421	4,893,783
LOVE	1,862,957	1,846,491	16,466	3,613,372	1,716,425	1,896,947
MCCLAIN	4,149,747	4,111,122	38,625	23,277,938	17,970,773	5,307,165



OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

1986 ANNUAL LIQUIDS AND GAS RUNS

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
MCCURTAIN	463	463	0	0	0	0
MCINTOSH	10,681	10,497	184	10,860,987	39,154	10,821,833
MAJOR	4,097,472	3,485,261	612,211	77,977,934	41,155,894	36,822,040
MARSHALL	317,277	308,108	9,169	3,721,471	2,182,699	1,538,772
MAYES	22,231	22,231	0	0	0	0
MURRAY	1,727,605	1,727,605	0	353,853	330,954	22,899
MUSKOGEE	241,981	241,429	552	1,563,424	237,877	1,325,547
NOBLE	3,548,880	3,488,714	60,166	10,279,772	8,401,452	1,878,320
NOWATA	460,039	460,039	0	838,368	182,847	655,521
OKFUSKEE	1,090,299	1,066,104	24,195	6,793,932	1,216,755	5,577,177
OKLAHOMA	4,202,734	4,016,598	186,136	27,870,631	17,082,475	10,788,156
OKMULGEE	1,373,269	1,353,276	19,993	7,065,355	1,548,146	5,517,209
OSAGE	8,312,096	8,312,096	0	8,313,905	4,629,800	3,684,105
OTTAWA	0	0	0	0	0	0
PAWNEE	3,910,863	3,909,907	956	12,943,015	12,169,409	773,606
PAYNE	2,225,079	2,222,611	2,468	5,278,758	3,961,335	1,317,423
PITTSBURG	475	343	132	49,884,685	0	49,884,685
PONTOTOC	4,706,518	4,702,810	3,708	1,493,855	885,041	608,814
POTTAWATOMIE	4,451,321	4,444,580	6,741	7,119,067	6,798,025	321,042
PUSHMATAHA	0	0	0	0	0	0
ROGER MILLS	878,333	170,891	707,442	139,032,781	586,050	138,446,731
ROGERS	141,575	141,575	0	458,118	68,666	389,452
SEMINOLE	4,186,517	4,175,699	10,818	4,089,229	2,123,672	1,965,557
SEQUOYAH	0	0	0	1,468,981	0	1,468,981
STEPHENS	11,519,680	11,206,017	313,663	44,535,073	25,551,665	18,983,408
TEXAS	4,277,541	4,189,958	87,583	100,662,083	3,761,616	96,900,467
TILLMAN	114,947	114,947	0	0	0	0
TULSA	846,904	846,561	343	1,382,371	241,772	1,140,599
WAGONER	392,113	374,830	17,283	1,094,873	211,633	883,240
WASHINGTON	811,512	811,512	0	1,347,017	541,079	805,938
WASHITA	944,511	561,854	382,657	69,334,623	1,770,272	67,564,351
WOODS	515,991	384,143	131,848	24,888,169	4,327,347	20,560,822
WOODWARD	463,630	277,552	186,078	27,082,144	2,217,160	24,864,984
TOTAL FOR YEAR	149,106,240	137,883,037	11,223,203	1,928,599,409	454,257,190	1,474,342,219
DAILY AVERAGE	408,510	377,762	30,749	5,283,834	1,244,540	4,039,294
AVERAGE PRICE FOR YEAR	\$14.51	\$14.51	\$14.51	\$1.71	\$1.71	\$1.71
TOTAL FOR 1 YEAR AGO	162,738,897	150,623,741	12,115,156	1,920,857,773	448,339,607	1,472,518,166
DAILY AVERAGE 1 YEAR AGO	445,860	412,668	33,192	5,262,624	1,228,328	4,034,296
AVERAGE PRICE 1 YEAR AGO	\$26.39	\$26.39	\$26.39	\$2.47	\$2.47	\$2.47

Source: Oklahoma Tax Commission

OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

1985 ANNUAL LIQUIDS AND GAS RUN

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
ADAIR	0	0	0	0	0	0
ALFALFA	1,103,712	1,048,041	55,671	16,394,552	6,745,778	9,648,774
ATOKA	331	331	0	3,448	0	3,448
BEAVER	3,604,535	3,164,769	439,766	85,664,577	8,519,207	77,145,370
BECKHAM	1,706,798	355,088	1,351,710	85,435,742	191,815	85,243,927
BLAINE	1,468,448	594,692	873,756	82,517,344	12,094,205	70,423,139
BRYAN	110,840	109,344	1,496	2,185,156	470,045	1,715,111
CADDO	4,138,731	3,803,420	335,311	103,998,448	3,265,178	100,733,270
CANADIAN	3,397,686	2,803,429	594,257	111,832,361	39,770,344	72,062,017
CARTER	13,926,280	13,875,042	51,238	19,080,231	14,570,016	4,510,215
CHEROKEE	0	0	0	0	0	0
CHOCTAW	0	0	0	0	0	0
CIMARRON	832,079	819,623	12,456	13,096,362	796,998	12,299,364
CLEVELAND	2,453,467	2,448,234	5,233	6,635,066	4,972,928	1,662,138
COAL	207,256	206,890	366	4,978,511	199,595	4,778,916
COMANCHE	286,524	262,760	23,764	8,873,166	261,093	8,612,073
COTTON	477,998	477,998	0	253,052	139,164	113,888
CRAIG	7,609	7,609	0	43,765	0	43,765
CREEK	6,889,878	6,886,839	3,039	11,074,896	6,676,023	4,398,873
CUSTER	2,509,075	584,951	1,924,124	122,143,382	4,575,070	117,568,312
DELAWARE	0	0	0	0	0	0
DEWEY	3,155,703	2,448,255	707,448	62,257,483	16,107,164	46,150,319
ELLIS	1,197,095	902,451	294,644	35,182,830	4,915,244	30,267,586
GARFIELD	3,007,182	2,780,493	226,689	60,683,065	34,427,701	26,255,364
GARVIN	8,134,089	7,974,483	159,606	38,630,418	30,369,235	8,261,183
GRADY	8,037,879	6,614,148	1,423,731	105,724,759	14,855,258	90,869,501
GRANT	2,487,452	2,422,997	64,455	21,050,994	8,815,669	12,235,325
GREER	14,295	13,914	381	150,968	0	150,968
HARMON	83,119	83,119	0	0	0	0
HARPER	410,445	258,606	151,839	50,514,252	1,138,174	49,376,078
HASKELL	0	0	0	29,798,906	117,199	29,681,707
HUGHES	1,518,049	1,510,282	7,767	13,501,141	2,202,692	11,298,449
JACKSON	185,911	185,911	0	0	0	0
JEFFERSON	1,187,440	1,187,440	0	590,129	590,129	0
JOHNSTON	0	0	0	7,990	0	7,990
KAY	1,668,398	1,667,234	1,164	3,166,030	1,457,271	1,708,759
KINGFISHER	5,026,254	4,745,650	280,604	69,357,924	47,645,123	21,712,801
KIOWA	196,282	196,282	0	209,356	56,173	153,183
LATIMER	0	0	0	39,750,173	0	39,750,173
LEFLORE	0	0	0	16,358,621	0	16,358,621
LINCOLN	1,786,112	1,749,276	36,836	12,251,524	4,220,438	8,031,086
LOGAN	2,549,473	2,484,854	64,619	26,327,194	20,129,402	6,197,792
LOVE	1,984,611	1,962,905	21,706	4,700,477	2,034,483	2,665,994
MCCLAINE	4,188,209	4,144,597	43,612	20,793,128	14,930,815	5,862,313

**OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT**

**ANNUAL AVERAGE GAS PRICE (CASINGHEAD/NATURAL GAS)  
FOR THE YEARS 1950 TO 2004**

<b>YEAR</b>	<b>PRICE PER MCF</b>		<b>YEAR</b>	<b>PRICE PER MCF</b>
1950	\$0.06		1993	\$1.76
1951	\$0.08		1994	\$1.67
1952	\$0.07		1995	\$1.44
1953	\$0.08		1996	\$2.15
1954	\$0.09		1997	\$2.29
1955	\$0.09		1998	\$1.84
1956	\$0.09		1999	\$2.06
1957	\$0.10		2000	\$3.65
1958	\$0.10		2001	\$4.02
1959	\$0.11		2002	\$2.94
1960	\$0.12		2003	\$4.83
1961	\$0.13		2004	\$5.42
1962	\$0.14			
1963	\$0.14			
1964	\$0.15			
1965	\$0.15			
1966	\$0.15			
1967	\$0.15			
1968	\$0.15			
1969	\$0.15			
1970	\$0.15			
1971	\$0.16			
1972	\$0.17			
1973	\$0.18			
1974	\$0.23			
1975	\$0.32			
1976	\$0.50			
1977	\$0.79			
1978	\$0.90			
1979	\$1.11			
1980	\$1.49			
1981	\$1.87			
1982	\$2.73			
1983	\$2.80			
1984	\$2.67			
1985	\$2.47			
1986	\$1.71			
1987	\$1.46			
1988	\$1.50			
1989	\$1.52			
1990	\$1.57			
1991	\$1.47			
1992	\$1.63			

Source: Oklahoma Tax Commission

OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

1985 ANNUAL LIQUIDS AND GAS RUNS

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
MCCURTAIN	0	0	0	0	0	0
MCINTOSH	8,570	8,096	474	11,187,889	34,666	11,153,223
MAJOR	4,624,501	3,901,664	722,837	85,695,295	42,738,753	42,956,542
MARSHALL	365,080	349,000	16,080	6,290,165	2,250,310	4,039,855
MAYES	26,738	26,738	0	0	0	0
MURRAY	1,592,226	1,591,828	398	335,488	306,112	29,376
MUSKOGEE	302,700	301,360	1,340	1,449,310	302,358	1,146,952
NOBLE	4,342,981	4,289,748	53,233	12,024,803	10,046,617	1,978,186
NOWATA	489,425	489,425	0	813,129	98,577	714,552
OKFUSKEE	1,217,053	1,200,023	17,030	6,996,285	1,095,460	5,900,825
OKLAHOMA	3,883,031	3,796,858	86,173	27,029,938	16,258,199	10,771,739
OKMULGEE	1,489,997	1,474,334	15,663	7,226,094	1,434,150	5,791,944
OSAGE	9,277,544	9,277,029	515	9,632,751	5,426,861	4,205,890
OTTAWA	0	0	0	0	0	0
PAWNEE	4,184,788	4,182,857	1,931	9,050,878	8,214,607	836,271
PAYNE	2,683,699	2,682,887	812	5,743,702	4,403,761	1,339,941
PITTSBURG	930	0	930	63,130,774	0	63,130,774
PONTOTOC	5,060,317	5,051,852	8,465	1,336,163	795,471	540,692
POTTAWATOMIE	5,087,339	5,084,597	2,742	7,126,976	6,809,674	317,302
PUSHMATAHA	0	0	0	0	0	0
ROGER MILLS	1,031,257	187,932	843,325	123,449,895	495,875	122,954,020
ROGERS	160,980	160,980	0	512,269	55,005	457,264
SEMINOLE	4,754,653	4,753,476	1,177	4,144,498	2,283,971	1,860,527
SEQUOYAH	0	0	0	2,046,735	0	2,046,735
STEPHENS	12,798,193	12,562,061	236,132	42,277,627	24,674,357	17,603,270
TEXAS	4,849,566	4,745,449	104,117	95,016,188	4,960,705	90,055,483
TILLMAN	144,953	144,953	0	0	0	0
TULSA	1,012,689	1,012,381	308	1,389,724	380,045	1,009,679
WAGONER	303,150	302,362	788	581,034	90,278	490,756
WASHINGTON	914,967	914,967	0	1,581,158	718,878	862,280
WASHITA	1,193,857	659,142	534,715	58,941,876	1,683,207	57,258,669
WOODS	482,973	348,771	134,202	22,763,041	3,503,629	19,259,412
WOODWARD	515,495	341,014	174,481	27,866,667	2,018,452	25,848,215
TOTAL FOR YEAR	162,738,897	150,623,741	12,115,156	1,920,857,773	448,339,607	1,472,518,166
DAILY AVERAGE	445,860	412,668	33,192	5,262,624	1,228,328	4,034,296
AVERAGE PRICE FOR YEAR	\$26.39	\$26.39	\$26.39	\$2.47	\$2.47	\$2.47
TOTAL FOR 1 YEAR AGO	168,603,873	156,511,590	12,092,283	2,094,231,845	456,886,223	1,637,345,622
DAILY AVERAGE 1 YEAR AGO	461,928	427,627	33,039	5,737,621	1,248,323	4,473,622
AVERAGE PRICE 1 YEAR AGO	\$29.09	\$29.09	\$29.09	\$2.67	\$2.67	\$2.67

Source: Oklahoma Tax Commission

OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

1984 ANNUAL LIQUIDS AND GAS RUN

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
ADAIR	0	0	0	48,225	0	48,225
ALFALFA	1,020,424	961,094	59,330	17,419,722	7,426,201	9,993,521
ATOKA	1,669	1,669	0	4,328	0	4,328
BEAVER	4,445,486	3,856,364	589,122	100,143,392	7,141,680	93,001,712
BECKHAM	1,016,541	205,664	810,877	82,687,135	75,152	82,611,983
BLAINE	1,610,442	733,489	876,953	82,749,986	12,238,720	70,511,266
BRYAN	138,348	136,188	2,160	2,380,360	474,723	1,905,637
CADDO	4,383,443	4,061,362	322,081	100,590,954	3,635,257	96,955,697
CANADIAN	4,433,300	3,750,549	682,751	121,714,127	42,903,492	78,810,635
CARTER	14,493,956	14,403,616	90,340	20,377,694	15,440,380	4,937,314
CHEROKEE	0	0	0	0	0	0
CHOCTAW	0	0	0	0	0	0
CIMARRON	651,427	635,724	15,703	15,210,438	1,243,006	13,967,432
CLEVELAND	2,571,806	2,559,501	12,305	7,606,266	6,309,248	1,297,018
COAL	236,925	236,778	147	6,306,327	699,757	5,606,570
COMANCHE	380,312	366,396	13,916	11,859,137	310,773	11,548,364
COTTON	463,446	462,763	683	360,161	126,577	233,584
CRAIG	10,018	10,018	0	43,457	0	43,457
CREEK	7,274,006	7,270,941	3,065	17,414,197	12,198,254	5,215,943
CUSTER	2,381,915	535,339	1,846,576	112,123,788	4,596,905	107,526,883
DELAWARE	536	536	0	0	0	0
DEWEY	3,366,935	2,561,970	804,965	78,509,978	16,662,473	61,847,505
ELLIS	1,284,538	975,447	309,091	32,912,623	3,588,467	29,324,156
GARFIELD	3,974,870	3,679,031	295,839	74,056,775	38,237,797	35,818,978
GARVIN	7,511,949	7,325,311	186,638	30,570,151	20,428,755	10,141,396
GRADY	7,900,272	6,437,046	1,463,226	108,954,589	13,968,880	94,985,709
GRANT	2,114,728	2,090,580	24,148	13,608,941	7,906,657	5,702,284
GREER	14,476	13,659	817	324,985	1,142	323,843
HARMON	128,962	128,962	0	0	0	0
HARPER	444,812	304,565	140,247	56,595,399	1,304,923	55,290,476
HASKELL	0	0	0	36,436,124	125,727	36,310,397
HUGHES	1,451,585	1,445,126	6,459	14,448,379	1,626,622	12,821,757
JACKSON	217,908	217,908	0	0	0	0
JEFFERSON	2,228,592	2,228,592	0	836,380	836,380	0
JOHNSTON	203	203	0	63,132	0	63,132
KAY	1,605,690	1,603,968	1,722	2,410,827	915,949	1,494,878
KINGFISHER	5,970,638	5,550,168	420,470	74,096,234	49,290,819	24,805,415
KIOWA	135,402	135,402	0	292,556	0	292,556
LATIMER	0	0	0	45,375,785	0	45,375,785
LEFLORE	0	0	0	18,948,596	37	18,948,559
LINCOLN	1,883,977	1,838,444	45,533	17,369,294	4,294,410	13,074,884
LOGAN	3,116,975	3,030,449	86,526	26,991,293	19,685,890	7,305,403
LOVE	2,040,258	2,019,533	20,725	5,429,509	2,213,412	3,216,097
MCCLAIN	4,246,236	4,179,585	66,651	22,018,262	15,297,451	6,720,811

OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

1984 ANNUAL LIQUIDS AND GAS RUNS

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
MCCURTAIN	1,449	1,449	0	4,952	0	4,952
MCINTOSH	11,219	10,688	531	10,676,865	627,394	10,049,471
MAJOR	4,800,536	3,965,958	834,578	84,687,098	41,189,404	43,497,694
MARSHALL	404,286	376,384	27,902	8,237,018	2,483,530	5,753,488
MAYES	77,203	77,203	0	0	0	0
MURRAY	1,681,378	1,681,378	0	489,013	375,891	113,122
MUSKOGEE	372,969	371,711	1,258	2,102,466	382,554	1,719,912
NOBLE	4,127,426	4,109,371	18,055	12,240,792	10,184,109	2,056,683
NOWATA	542,940	542,778	162	956,575	86,480	870,095
OKFUSKEE	1,142,920	1,133,422	9,498	34,636,956	1,197,826	33,439,130
OKLAHOMA	3,605,903	3,552,772	53,131	39,631,217	15,037,255	24,593,962
OKMULGEE	1,595,981	1,592,663	3,318	12,272,947	1,421,669	10,851,278
OSAGE	9,850,723	9,849,806	917	9,777,931	5,014,448	4,763,483
OTTAWA	3	3	0	0	0	0
PAWNEE	2,988,837	2,986,692	2,145	7,452,760	6,420,824	1,031,936
PAYNE	2,661,755	2,649,921	11,834	6,435,665	4,175,305	2,260,360
PITTSBURG	167	167	0	60,582,103	0	60,582,103
PONTOTOC	5,236,309	5,223,579	12,730	6,416,694	5,515,326	901,368
POTTAWATOMIE	5,256,491	5,246,430	10,061	5,916,623	5,670,512	246,111
PUSHMATAHA	0	0	0	0	0	0
ROGER MILLS	1,088,775	189,143	899,632	145,749,029	2,163,976	143,585,053
ROGERS	204,387	204,344	43	887,288	57,857	829,431
SEMINOLE	4,888,115	4,886,822	1,293	3,955,324	2,086,487	1,868,837
SEQUOYAH	2,581	2,581	0	2,252,578	0	2,252,578
STEPHENS	13,077,991	12,894,139	183,852	45,444,984	27,614,363	17,830,621
TEXAS	5,326,338	5,176,585	149,753	109,891,494	5,263,677	104,627,817
TILLMAN	185,744	185,744	0	0	0	0
TULSA	1,113,658	1,112,914	744	1,477,826	214,863	1,262,963
WAGONER	227,415	227,303	112	908,534	175,416	733,118
WASHINGTON	1,039,044	1,039,044	0	1,733,023	812,489	920,534
WASHITA	902,743	574,814	327,929	59,180,838	1,418,997	57,761,841
WOODS	506,608	353,344	153,264	28,147,500	3,866,027	24,281,473
WOODWARD	528,973	338,498	190,475	32,796,246	2,223,628	30,572,618
TOTAL FOR YEAR	168,603,873	156,511,590	12,092,283	2,094,231,845	456,886,223	1,637,345,622
DAILY AVERAGE	460,666	427,627	33,039	5,721,945	1,248,323	4,473,622
AVERAGE PRICE FOR YEAR	\$29.09	\$29.09	\$29.09	\$2.67	\$2.67	\$2.67
TOTAL FOR 1 YEAR AGO	158,664,705	148,386,570	10,278,135	1,740,508,236	407,674,390	1,332,833,846
DAILY AVERAGE 1 YEAR AGO	434,698	406,539	28,159	4,768,516	1,116,916	3,651,600
AVERAGE PRICE 1 YEAR AGO	\$29.84	\$29.84	\$29.84	\$2.80	\$2.80	\$2.80

Source: Oklahoma Tax Commission

OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

1983 ANNUAL LIQUIDS AND GAS RUN

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
ADAIR	0	0	0	181,188	362	180,826
ALFALFA	1,175,868	1,118,179	57,689	15,619,477	7,562,001	8,057,476
ATOKA	428	428	0	9,346	0	9,346
BEAVER	2,868,244	2,508,992	359,252	76,303,246	5,182,732	71,120,514
BECKHAM	603,658	60,598	543,060	49,071,619	213,563	48,858,056
BLAINE	1,416,422	648,560	767,862	78,175,419	7,974,953	70,200,466
BRYAN	135,692	133,707	1,985	2,221,399	277,755	1,943,644
CADDO	4,121,091	3,834,759	286,332	89,262,981	4,378,655	84,884,326
CANADIAN	4,539,739	3,880,291	659,448	117,365,890	36,583,818	80,782,072
CARTER	14,033,808	13,996,612	37,196	18,771,961	14,870,358	3,901,603
CHEROKEE	0	0	0	0	0	0
CHOCTAW	0	0	0	0	0	0
CIMARRON	453,865	442,866	10,999	15,668,024	3,124,246	12,543,778
CLEVELAND	2,815,377	2,809,661	5,716	8,117,919	6,784,679	1,333,240
COAL	219,542	219,377	165	6,431,836	165,588	6,266,248
COMANCHE	446,144	433,753	12,391	8,168,093	216,748	7,951,345
COTTON	439,241	438,457	784	597,573	153,252	444,321
CRAIG	10,688	10,688	0	46,250	0	46,250
CREEK	7,043,415	7,044,141	(726)	9,534,421	5,886,867	3,647,554
CUSTER	1,879,792	392,204	1,487,588	91,369,856	1,934,323	89,435,533
DELAWARE	0	0	0	0	0	0
DEWEY	3,418,618	2,608,992	809,626	63,257,480	14,011,293	49,246,187
ELLIS	1,112,310	814,024	298,286	25,288,669	1,952,913	23,335,756
GARFIELD	3,955,517	3,746,980	208,537	33,912,984	38,450,500	(4,537,516)
GARVIN	6,849,482	6,690,558	158,924	26,891,756	19,342,875	7,548,881
GRADY	7,534,138	6,215,660	1,318,478	97,167,640	10,579,906	86,587,734
GRANT	2,080,308	2,065,426	14,882	8,902,633	5,125,390	3,777,243
GREER	15,615	15,464	151	262,294	1,442	260,852
HARMON	142,799	142,799	0	0	0	0
HARPER	525,818	390,844	134,974	49,994,337	1,562,816	48,431,521
HASKELL	0	0	0	29,225,128	250,038	28,975,090
HUGHES	1,369,526	1,365,721	3,805	23,016,770	1,123,618	21,893,152
JACKSON	70,611	70,611	0	0	0	0
JEFFERSON	2,300,440	2,300,440	0	236,544	236,544	0
JOHNSTON	1,323	1,323	0	9,295	0	9,295
KAY	1,486,129	1,484,729	1,400	4,689,598	1,621,259	3,068,339
KINGFISHER	6,368,866	6,033,061	335,805	70,499,509	46,889,587	23,609,922
KIOWA	84,733	84,733	0	35,470	0	35,470
LATIMER	0	0	0	39,543,219	404,188	39,139,031
LEFLORE	0	0	0	16,997,448	2,851	16,994,597
LINCOLN	1,914,678	1,886,941	27,737	10,993,709	3,688,795	7,304,914
LOGAN	2,681,634	2,597,766	83,868	25,556,439	19,357,589	6,198,850
LOVE	2,172,536	2,149,047	23,489	6,074,021	2,496,406	3,577,615
MCCLAIN	3,765,342	3,703,204	62,138	19,899,954	13,915,706	5,984,248

OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

1983 ANNUAL LIQUIDS AND GAS RUNS

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
MCCURTAIN	173	173	0	0	0	0
MCINTOSH	2,126	1,774	352	19,149,424	89,164	19,060,260
MAJOR	4,562,951	3,895,393	667,558	78,376,311	40,868,723	37,507,588
MARSHALL	436,218	402,527	33,691	6,698,742	2,269,989	4,428,753
MAYES	52,865	52,865	0	0	0	0
MURRAY	1,764,730	1,764,730	0	554,284	432,045	122,239
MUSKOGEE	458,853	458,340	513	1,567,163	163,502	1,403,661
NOBLE	3,838,701	3,817,377	21,324	9,584,758	7,544,405	2,040,353
NOWATA	581,455	580,563	892	944,438	115,339	829,099
OKFUSKEE	1,015,006	1,003,739	11,267	8,914,771	1,188,542	7,726,229
OKLAHOMA	3,172,442	3,124,913	47,529	18,990,147	13,163,313	5,826,834
OKMULGEE	1,493,795	1,491,506	2,289	8,417,274	1,228,271	7,189,003
OSAGE	9,818,201	9,815,997	2,204	10,010,004	4,754,578	5,255,426
OTTAWA	0	0	0	0	0	0
PAWNEE	1,755,194	1,751,163	4,031	2,566,098	1,865,359	700,739
PAYNE	2,341,705	2,340,449	1,256	6,058,205	3,784,438	2,273,767
PITTSBURG	397	397	0	51,560,054	185	51,559,869
PONTOTOC	5,216,676	5,208,063	8,613	2,243,297	1,490,361	752,936
POTTAWATOMIE	4,842,869	4,842,391	478	6,119,805	5,688,351	431,454
PUSHMATAHA	1,477	1,477	0	0	0	0
ROGER MILLS	1,105,133	227,178	877,955	122,691,579	476,232	122,215,347
ROGERS	206,045	205,958	87	365,190	34,584	330,606
SEMINOLE	4,555,105	4,553,965	1,140	3,204,398	2,623,263	581,135
SEQUOYAH	1,472	1,472	0	2,148,175	0	2,148,175
STEPHENS	12,890,600	12,787,263	103,337	45,501,590	30,123,489	15,378,101
TEXAS	4,606,101	4,491,896	114,205	84,057,187	3,786,551	80,270,636
TILLMAN	212,320	212,320	0	0	0	0
TULSA	1,109,293	1,108,154	1,139	1,419,538	176,862	1,242,676
WAGONER	157,649	151,571	6,078	1,203,601	148,265	1,055,336
WASHINGTON	917,131	916,967	164	3,345,623	2,601,947	743,676
WASHITA	557,641	183,952	373,689	49,993,706	468,397	49,525,309
WOODS	445,118	333,930	111,188	25,755,774	4,359,679	21,396,095
WOODWARD	491,826	316,511	175,315	29,695,705	1,904,940	27,790,765
TOTAL FOR YEAR	158,664,705	148,386,570	10,278,135	1,740,508,236	407,674,390	1,332,833,846
DAILY AVERAGE	434,698	406,539	28,159	4,768,516	1,116,916	3,651,600
AVERAGE PRICE FOR YEAR	\$29.84	\$29.84	\$29.84	\$2.80	\$2.80	\$1.46
TOTAL FOR 1 YEAR AGO	158,227,252	147,923,464	10,303,788	1,936,725,004	447,086,793	1,489,638,211
DAILY AVERAGE 1 YEAR AGO	433,499	405,270	28,230	5,306,096	1,224,895	4,081,201
AVERAGE PRICE 1 YEAR AGO	\$32.74	\$32.74	\$32.74	\$2.73	\$2.73	\$2.73

Source: Oklahoma Tax Commission



OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

1982 ANNUAL LIQUIDS AND GAS RUN

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
ADAIR	1,297	1,297	0	41,602	253	41,349
ALFALFA	1,370,609	1,312,047	58,562	17,870,552	8,876,880	8,993,672
ATOKA	33,583	33,046	537	129,887	110,571	19,316
BEAVER	2,621,656	2,327,418	294,238	80,916,672	4,782,573	76,134,099
BECKHAM	442,415	69,122	373,293	56,318,905	1,290,567	55,028,338
BLAINE	1,656,213	800,044	856,169	81,026,665	7,818,277	73,208,388
BRYAN	108,776	106,639	2,137	3,245,251	154,294	3,090,957
CADDO	3,625,678	3,378,576	247,102	78,711,780	5,072,059	73,639,721
CANADIAN	4,378,582	3,584,876	793,706	140,378,126	48,988,955	91,389,171
CARTER	15,232,136	15,192,378	39,758	18,224,417	15,055,034	3,169,383
CHEROKEE	0	0	0	0	0	0
CHOCTAW	126	126	0	83	0	83
CIMARRON	411,019	397,165	13,854	17,772,832	1,014,544	16,758,288
CLEVELAND	3,461,431	3,448,136	13,295	9,017,065	7,291,302	1,725,763
COAL	222,139	220,999	1,140	6,456,441	188,760	6,267,681
COMANCHE	278,096	263,507	14,589	5,605,553	261,839	5,343,714
COTTON	451,359	450,766	593	658,523	102,152	556,371
CRAIG	8,919	8,919	0	58,636	0	58,636
CREEK	6,688,857	6,681,169	7,688	8,160,357	4,521,086	3,639,271
CUSTER	1,880,503	366,110	1,514,393	88,519,534	3,431,839	85,087,695
DELAWARE	0	0	0	37,033	0	37,033
DEWEY	3,510,153	2,751,931	758,222	75,739,400	11,551,461	64,187,939
ELLIS	757,029	496,059	260,970	29,161,799	1,664,546	27,497,253
GARFIELD	4,645,497	4,402,175	243,322	94,613,132	70,408,590	24,204,542
GARVIN	6,985,476	6,843,040	142,436	32,227,057	19,240,226	12,986,831
GRADY	7,201,209	5,992,971	1,208,238	106,760,320	8,959,877	97,800,443
GRANT	1,383,836	1,373,207	10,629	9,026,020	4,297,185	4,728,835
GREER	7,971	7,669	302	515,374	3,551	511,823
HARMON	107,507	107,507	0	0	0	0
HARPER	630,474	452,803	177,671	61,194,729	1,531,884	59,662,845
HASKELL	3,025	3,025	0	32,204,448	515,204	31,689,244
HUGHES	1,189,627	1,186,239	3,388	11,171,273	1,244,627	9,926,646
JACKSON	68,257	68,257	0	0	0	0
JEFFERSON	674,080	674,065	15	121,577	120,257	1,320
JOHNSTON	10,539	10,408	131	13,009	0	13,009
KAY	1,522,623	1,521,697	926	6,857,557	932,945	5,924,612
KINGFISHER	7,914,132	7,576,278	337,854	84,058,267	53,869,862	30,188,405
KIOWA	88,310	87,084	1,226	(86,116)	93	(86,209)
LATIMER	0	0	0	44,356,065	773,920	43,582,145
LEFLORE	130	130	0	21,690,311	6,014	21,684,297
LINCOLN	1,934,168	1,903,344	30,824	10,813,484	3,563,239	7,250,245
LOGAN	2,905,720	2,790,722	114,998	23,871,963	17,393,167	6,478,796
LOVE	2,488,215	2,442,591	45,624	6,239,286	2,372,726	3,866,560
MCCLAIN	3,536,467	3,469,599	66,868	18,203,678	11,995,148	6,208,530

OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

1982 ANNUAL LIQUIDS AND GAS RUNS

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
MCCURTAIN	14,290	14,290	0	6,114	0	6,114
MCINTOSH	2,576	2,043	533	1,847,398	12,782	1,834,616
MAJOR	5,390,361	4,746,702	643,659	88,981,061	43,693,756	45,287,305
MARSHALL	119,041	106,931	12,110	2,277,231	621,325	1,655,906
MAYES	120,693	120,693	0	0	0	0
MURRAY	1,875,060	1,875,060	0	387,321	309,619	77,702
MUSKOGEE	426,713	426,494	219	836,792	81,302	755,490
NOBLE	3,236,244	3,211,562	24,682	9,016,044	6,496,568	2,519,476
NOWATA	613,639	613,608	31	1,014,451	31,603	982,848
OKFUSKEE	1,145,964	1,126,850	19,114	7,933,528	1,651,221	6,282,307
OKLAHOMA	2,607,510	2,597,968	9,542	13,813,935	9,088,704	4,725,231
OKMULGEE	1,439,418	1,437,042	2,376	8,582,185	1,452,885	7,129,300
OSAGE	8,050,833	8,046,977	3,856	9,723,227	3,899,337	5,823,890
OTTAWA	0	0	0	1,150	0	1,150
PAWNEE	1,340,813	1,336,406	4,407	2,425,168	1,187,731	1,237,437
PAYNE	2,630,720	2,627,552	3,168	5,743,561	3,962,916	1,780,645
PITTSBURG	7,850	7,535	315	52,737,716	0	52,737,716
PONTOTOC	5,548,177	5,548,102	75	1,235,678	819,586	416,092
POTTAWATOMIE	4,817,942	4,814,880	3,062	4,255,182	3,769,397	485,785
PUSHMATAHA	1,597	1,597	0	2,000	0	2,000
ROGER MILLS	1,044,138	101,978	942,160	128,652,238	454,883	128,197,355
ROGERS	252,267	251,850	417	616,152	52,112	564,040
SEMINOLE	4,636,709	4,633,285	3,424	3,555,799	1,822,629	1,733,170
SEQUOYAH	500,438	500,242	196	2,659,491	0	2,659,491
STEPHENS	13,171,915	13,085,764	86,151	52,964,226	35,465,506	17,498,720
TEXAS	4,567,313	4,455,587	111,726	106,406,105	4,323,397	102,082,708
TILLMAN	256,576	256,576	0	55,162	0	55,162
TULSA	1,097,864	1,097,467	397	1,972,677	164,504	1,808,173
WAGONER	113,898	112,499	1,399	810,503	50,323	760,180
WASHINGTON	1,084,228	1,058,699	25,529	1,927,385	959,889	967,496
WASHITA	507,169	56,106	451,063	83,246,172	526,707	82,719,465
WOODS	501,475	380,066	121,409	29,023,241	5,021,621	24,001,620
WOODWARD	665,982	467,912	198,070	32,113,564	1,760,983	30,352,581
TOTAL FOR YEAR	158,227,252	147,923,464	10,303,788	1,936,725,004	447,086,793	1,489,638,211
DAILY AVERAGE	433,499	405,270	28,230	5,306,096	1,224,895	4,081,201
AVERAGE PRICE FOR YEAR	\$32.74	\$32.74	\$32.74	\$2.73	\$2.73	\$2.73
TOTAL FOR 1 YEAR AGO	153,140,972	143,144,743	9,996,229	2,009,851,844	401,504,768	1,608,347,076
DAILY AVERAGE 1 YEAR AGO	419,564	392,177	27,387	5,506,443	1,100,013	4,406,430
AVERAGE PRICE 1 YEAR AGO	\$35.18	\$35.18	\$35.18	\$1.87	\$1.87	\$1.87

Source: Oklahoma Tax Commission

OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

1981 ANNUAL LIQUIDS AND GAS RUN

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
ADAIR	2,847	2,847	0	795,427	790,907	4,520
ALFALFA	1,295,638	1,243,010	52,628	19,442,783	9,280,475	10,162,308
ATOKA	3,334	3,334	0	16,412	0	16,412
BEAVER	2,818,633	2,514,539	304,094	83,986,682	3,927,356	80,059,326
BECKHAM	337,083	85,024	252,059	74,300,183	2,368,420	71,931,763
BLAINE	1,803,188	887,895	915,293	83,629,208	7,275,716	76,353,492
BRYAN	128,648	118,574	10,074	4,561,798	1,490,708	3,071,090
CADDO	3,620,356	3,384,530	235,826	57,514,103	5,368,904	52,145,199
CANADIAN	4,548,454	3,554,585	993,869	147,064,862	48,567,681	98,497,181
CARTER	15,236,435	15,180,798	55,637	19,110,462	15,930,170	3,180,292
CHEROKEE	52	52	0	0	0	0
CHOCTAW	0	0	0	0	0	0
CIMARRON	360,578	345,667	14,911	21,254,731	1,750,628	19,504,103
CLEVELAND	3,181,743	3,153,709	28,034	6,628,591	4,866,501	1,762,090
COAL	241,094	231,564	9,530	8,922,978	196,355	8,726,623
COMANCHE	233,120	218,145	14,975	4,489,703	296,047	4,193,656
COTTON	457,760	457,760	0	101,690	27,662	74,028
CRAIG	7,928	7,928	0	63,567	0	63,567
CREEK	6,309,660	6,308,118	1,542	5,991,947	3,216,866	2,775,081
CUSTER	1,608,417	272,647	1,335,770	64,851,954	2,829,992	62,021,962
DELAWARE	1,505	1,505	0	0	0	0
DEWEY	3,012,149	2,128,046	884,103	88,730,857	10,905,196	77,825,661
ELLIS	764,653	529,002	235,651	32,322,687	1,972,626	30,350,061
GARFIELD	4,601,797	4,333,335	268,462	70,562,332	43,770,838	26,791,494
GARVIN	7,337,639	7,169,182	168,457	27,047,880	18,799,727	8,248,153
GRADY	7,278,297	6,029,031	1,249,266	112,627,846	8,904,323	103,723,523
GRANT	818,255	806,151	12,104	6,798,742	2,678,602	4,120,140
GREER	19,848	17,623	2,225	2,947,423	3,353	2,944,070
HARMON	60,639	60,639	0	0	0	0
HARPER	665,203	460,843	204,360	68,566,191	1,422,987	67,143,204
HASKELL	2,704	2,704	0	36,394,933	0	36,394,933
HUGHES	1,078,218	1,075,208	3,010	12,491,839	854,609	11,637,230
JACKSON	71,512	71,512	0	16,533	0	16,533
JEFFERSON	409,179	409,052	127	71,505	54,187	17,318
JOHNSTON	3,256	3,256	0	22,476	312	22,164
KAY	1,466,379	1,456,778	9,601	19,987,967	781,658	19,206,309
KINGFISHER	7,525,622	7,212,516	313,106	84,355,901	52,916,913	31,438,988
KIOWA	49,150	49,150	0	160,140	2,705	157,435
LATIMER	2,856	2,856	0	46,829,610	587,390	46,242,220
LEFLORE	0	0	0	27,018,914	288	27,018,626
LINCOLN	1,914,491	1,903,385	11,106	10,269,985	4,535,424	5,734,561
LOGAN	1,844,836	1,836,316	8,520	4,478,703	2,147,581	2,331,122
LOVE	1,747,745	1,661,610	86,135	5,481,532	1,257,453	4,224,079
MCCLAIN	3,021,105	2,966,249	54,856	18,083,837	11,095,239	6,988,598

OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
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1981 ANNUAL LIQUIDS AND GAS RUNS

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
MCCURTAIN	19,675	18,966	709	0	0	0
MCINTOSH	19,796	18,948	848	2,635,693	0	2,635,693
MAJOR	5,247,120	4,528,249	718,871	93,598,458	41,623,895	51,974,563
MARSHALL	525,767	451,311	74,456	12,173,976	2,535,297	9,638,679
MAYES	117,372	117,372	0	0	0	0
MURRAY	1,905,655	1,905,655	0	321,078	314,098	6,980
MUSKOGEE	376,884	376,197	687	1,274,393	514,348	760,045
NOBLE	2,788,153	2,728,908	59,245	7,246,643	5,170,453	2,076,190
NOWATA	609,084	609,084	0	847,308	16	847,292
OKFUSKEE	982,729	974,310	8,419	6,114,667	917,563	5,197,104
OKLAHOMA	2,048,776	2,043,954	4,822	9,425,825	6,949,474	2,476,351
OKMULGEE	1,379,556	1,378,211	1,345	7,641,951	1,179,401	6,462,550
OSAGE	9,975,631	9,943,372	32,259	10,377,488	4,363,759	6,013,729
OTTAWA	161	161	0	0	0	0
PAWNEE	1,336,670	1,306,948	29,722	8,084,228	7,318,202	766,026
PAYNE	2,536,136	2,524,768	11,368	4,903,288	3,362,835	1,540,453
PITTSBURG	6,539	6,539	0	57,665,589	0	57,665,589
PONTOTOC	5,560,819	5,559,739	1,080	1,387,570	814,724	572,846
POTTAWATOMIE	3,500,248	3,476,781	23,467	2,501,976	1,759,811	742,165
PUSHMATAHA	0	0	0	0	0	0
ROGER MILLS	678,677	129,788	548,889	132,685,206	1,607,366	131,077,840
ROGERS	239,717	239,717	0	1,912,375	165,744	1,746,631
SEMINOLE	4,371,989	4,359,880	12,109	2,618,419	1,627,739	990,680
SEQUOYAH	3,472	2,435	1,037	3,411,790	10,015	3,401,775
STEPHENS	14,300,980	14,238,573	62,407	54,209,204	38,299,274	15,909,930
TEXAS	4,951,484	4,821,733	129,751	190,401,986	4,285,173	186,116,813
TILLMAN	294,238	293,957	281	12,001	0	12,001
TULSA	917,389	914,121	3,268	1,214,670	116,625	1,098,045
WAGONER	87,607	87,607	0	7,412	12	7,400
WASHINGTON	1,039,031	1,025,765	13,266	5,916,373	265,936	5,650,437
WASHITA	272,260	80,852	191,408	41,235,273	698,325	40,536,948
WOODS	529,751	391,369	138,382	36,620,042	5,441,829	31,178,213
WOODWARD	625,600	432,798	192,802	35,412,048	1,287,055	34,124,993
TOTAL FOR YEAR	153,140,972	143,144,743	9,996,229	2,009,851,844	401,504,768	1,608,347,076
DAILY AVERAGE	419,564	392,177	27,387	5,506,443	1,100,013	4,406,430
AVERAGE PRICE FOR YEAR	\$35.18	\$35.18	\$35.18	\$1.87	\$1.87	\$1.87
TOTAL FOR 1 YEAR AGO	149,700,286	141,987,947	7,712,339	1,826,978,725	381,117,796	1,445,860,929
DAILY AVERAGE 1 YEAR AGO	409,017	387,945	21,072	4,991,745	1,041,305	3,950,440
AVERAGE PRICE 1 YEAR AGO	\$27.38	\$27.38	\$27.38	\$1.49	\$1.49	\$1.49

Source: Oklahoma Tax Commission

OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

1980 ANNUAL LIQUIDS AND GAS RUN

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
ADAIR	0	0	0	0	0	0
ALFALFA	1,118,270	1,075,161	43,109	19,110,825	9,742,013	9,368,812
ATOKA	359	359	0	0	0	0
BEAVER	2,819,890	2,430,930	388,960	96,024,053	5,529,831	90,494,222
BECKHAM	179,327	87,098	92,229	58,273,927	3,653,990	54,619,937
BLAINE	1,624,884	869,363	755,521	89,831,015	3,233,795	86,597,220
BRYAN	149,055	139,687	9,368	5,598,318	1,931,835	3,666,483
CADDO	3,951,629	3,804,239	147,390	53,416,239	4,154,636	49,261,603
CANADIAN	4,860,924	4,103,009	757,915	141,398,188	36,471,468	104,926,720
CARTER	16,031,513	15,964,040	67,473	19,939,109	15,482,928	4,456,181
CHEROKEE	0	0	0	0	0	0
CHOCTAW	0	0	0	0	0	0
CIMARRON	407,491	395,996	11,495	28,009,931	5,336,450	22,673,481
CLEVELAND	2,332,793	2,312,463	20,330	4,274,822	2,514,609	1,760,213
COAL	215,012	214,279	733	12,991,439	216,925	12,774,514
COMANCHE	203,056	188,901	14,155	4,193,783	111,398	4,082,385
COTTON	415,806	415,806	0	161,701	3,500	158,201
CRAIG	8,508	8,508	0	137,157	0	137,157
CREEK	5,888,598	5,887,798	800	4,665,042	2,231,074	2,433,968
CUSTER	1,705,420	510,352	1,195,068	39,171,775	1,319,497	37,852,278
DELAWARE	0	0	0	0	0	0
DEWEY	2,068,645	1,390,727	677,918	84,600,942	9,808,132	74,792,810
ELLIS	667,497	509,876	157,621	29,353,564	878,990	28,474,574
GARFIELD	3,881,103	3,592,057	289,046	74,140,592	45,407,912	28,732,680
GARVIN	8,385,805	8,322,557	63,248	27,215,914	18,065,220	9,150,694
GRADY	7,733,064	6,461,910	1,271,154	122,617,960	9,209,781	113,408,179
GRANT	725,946	719,365	6,581	6,274,417	2,564,721	3,709,696
GREER	7,600	7,600	0	1,007,657	0	1,007,657
HARMON	7,558	7,558	0	0	0	0
HARPER	206,081	131,068	75,013	22,349,847	324,667	22,025,180
HASKELL	0	0	0	37,751,147	26,521	37,724,626
HUGHES	779,483	777,911	1,572	11,184,470	1,903,513	9,280,957
JACKSON	75,949	75,949	0	0	0	0
JEFFERSON	428,849	428,849	0	21,065	18,023	3,042
JOHNSTON	4,262	4,262	0	19,555	0	19,555
KAY	1,500,134	1,497,599	2,535	4,794,970	2,010,945	2,784,025
KINGFISHER	6,021,564	5,906,602	114,962	73,601,715	50,449,579	23,152,136
KIOWA	49,786	49,786	0	192,645	21,577	171,068
LATIMER	7	7	0	51,285,239	1,908,785	49,376,454
LEFLORE	0	0	0	27,769,897	0	27,769,897
LINCOLN	2,041,299	2,031,652	9,647	7,618,013	2,661,568	4,956,445
LOGAN	2,347,134	2,282,618	64,516	22,435,744	15,293,431	7,142,313
LOVE	1,378,361	1,335,102	43,259	5,569,616	1,296,550	4,273,066
MCCLAIN	2,822,916	2,795,482	27,434	17,723,067	11,898,076	5,824,991

OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

1980 ANNUAL LIQUIDS AND GAS RUNS

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
MCCURTAIN	619	619	0	135,961	0	135,961
MCINTOSH	4,491	3,814	677	3,247,767	5,100	3,242,667
MAJOR	4,922,572	4,265,585	656,987	88,981,816	36,171,666	52,810,150
MARSHALL	900,011	858,675	41,336	8,013,019	2,163,982	5,849,037
MAYES	23,423	23,423	0	0	0	0
MURRAY	1,776,504	1,776,348	156	270,518	239,457	31,061
MUSKOGEE	266,299	265,817	482	1,887,437	38,529	1,848,908
NOBLE	2,277,327	2,275,437	1,890	5,448,403	4,363,018	1,085,385
NOWATA	558,017	558,017	0	789,744	0	789,744
OKFUSKEE	795,358	793,478	1,880	5,641,393	1,071,217	4,570,176
OKLAHOMA	2,132,544	2,120,256	12,288	9,831,444	6,458,408	3,373,036
OKMULGEE	1,228,544	1,228,286	258	7,873,734	675,041	7,198,693
OSAGE	10,919,432	10,918,478	954	10,159,130	5,037,080	5,122,050
OTTAWA	0	0	0	0	0	0
PAWNEE	1,067,454	1,067,454	0	1,310,829	690,800	620,029
PAYNE	1,993,951	1,992,882	1,069	4,117,176	3,135,811	981,365
PITTSBURG	683	683	0	55,311,773	32,637	55,279,136
PONTOTOC	5,554,874	5,554,874	0	1,246,740	838,723	408,017
POTTAWATOMIE	2,353,406	2,353,009	397	1,449,510	1,059,246	390,264
PUSHMATAHA	0	0	0	9,239	0	9,239
ROGER MILLS	306,687	191,944	114,743	102,709,334	635,024	102,074,310
ROGERS	185,494	185,494	0	4,302,195	47,924	4,254,271
SEMINOLE	4,222,978	4,220,315	2,663	2,436,806	1,519,275	917,531
SEQUOYAH	1,325	1,125	200	4,340,888	0	4,340,888
STEPHENS	15,913,655	15,846,474	67,181	56,204,379	40,483,881	15,720,498
TEXAS	6,059,977	5,909,412	150,565	160,416,660	4,135,524	156,281,136
TILLMAN	203,276	202,675	601	0	0	0
TULSA	810,785	810,624	161	332,199	26,255	305,944
WAGONER	67,879	67,879	0	15,256	0	15,256
WASHINGTON	771,125	771,125	0	1,673,874	99,792	1,574,082
WASHITA	143,147	123,549	19,598	12,717,028	575,153	12,141,875
WOODS	537,003	444,805	92,198	38,018,928	5,278,225	32,740,703
WOODWARD	655,868	418,865	237,003	33,360,185	654,088	32,706,097
TOTAL FOR YEAR	149,700,286	141,987,947	7,712,339	1,826,978,725	381,117,796	1,445,860,929
DAILY AVERAGE	409,017	387,945	21,072	4,991,745	1,041,305	3,950,440
AVERAGE PRICE FOR YEAR	\$27.38	\$27.38	\$27.38	\$1.49	\$1.49	\$1.49
TOTAL FOR 1 YEAR AGO	143,611,874	137,289,941	6,321,933	1,843,318,617	344,489,298	1,498,829,319
DAILY AVERAGE 1 YEAR AGO	393,457	376,137	17,320	5,050,188	943,806	4,106,382
AVERAGE PRICE 1 YEAR AGO	\$15.03	\$15.03	\$15.03	\$1.11	\$1.11	\$1.11

Source: Oklahoma Tax Commission

OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

1979 ANNUAL LIQUIDS AND GAS RUN

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
ADAIR	0	0	0	0	0	0
ALFALFA	1,049,493	1,013,280	36,213	16,289,837	9,420,733	6,869,104
ATOKA	229	229	0	0	0	0
BEAVER	2,794,523	2,516,092	278,431	105,575,242	7,067,195	98,508,047
BECKHAM	110,585	88,310	22,275	50,606,649	2,871,493	47,735,156
BLAINE	1,314,353	617,187	697,166	86,253,320	2,215,694	84,037,626
BRYAN	166,661	157,901	8,760	5,971,164	865,763	5,105,401
CADDO	4,200,040	4,129,903	70,137	44,066,357	4,042,357	40,024,000
CANADIAN	3,466,758	2,960,441	506,317	104,614,036	18,179,844	86,434,192
CARTER	16,031,513	15,964,040	67,473	19,939,109	15,482,928	4,456,181
CHEROKEE	0	0	0	0	0	0
CHOCTAW	0	0	0	0	0	0
CIMARRON	448,202	440,750	7,452	22,915,893	1,697,137	21,218,756
CLEVELAND	1,930,569	1,927,394	3,175	3,409,164	2,174,510	1,234,654
COAL	316,882	315,032	1,850	7,173,708	293,369	6,880,339
COMANCHE	164,667	157,429	7,238	2,061,065	105,485	1,955,580
COTTON	389,113	389,113	0	148,983	2,750	146,233
CRAIG	5,340	5,340	0	128,304	0	128,304
CREEK	5,852,740	5,852,034	706	3,705,347	2,277,394	1,427,953
CUSTER	1,606,160	301,815	1,304,345	35,741,242	1,051,793	34,689,449
DELAWARE	0	0	0	0	0	0
DEWEY	1,770,407	1,359,412	410,995	95,238,869	9,645,085	85,593,784
ELLIS	683,365	590,834	92,531	34,139,759	1,207,036	32,932,723
GARFIELD	3,591,854	3,254,707	337,147	76,045,410	46,423,758	29,621,652
GARVIN	7,836,512	7,782,554	53,958	24,719,921	16,855,713	7,864,208
GRADY	7,610,701	6,542,310	1,068,391	106,405,374	11,202,182	95,203,192
GRANT	693,261	687,397	5,864	6,592,281	2,127,409	4,464,872
GREER	8,097	8,040	57	1,453,938	98,675	1,355,263
HARMON	24	24	0	5,449	0	5,449
HARPER	626,134	513,740	112,394	91,722,797	1,467,047	90,255,750
HASKELL	0	0	0	33,433,322	94,332	33,338,990
HUGHES	693,956	693,286	670	9,668,035	661,147	9,006,888
JACKSON	84,426	84,426	0	5,573	0	5,573
JEFFERSON	422,716	422,716	0	39,201	25,864	13,337
JOHNSTON	3,803	3,803	0	5,444	0	5,444
KAY	1,387,182	1,386,587	595	2,952,150	1,055,210	1,896,940
KINGFISHER	5,495,287	5,415,999	79,288	64,975,093	42,823,282	22,151,811
KIOWA	43,101	43,101	0	265,503	31,853	233,650
LATIMER	0	0	0	53,165,688	553,380	52,612,308
LEFLORE	0	0	0	26,855,217	0	26,855,217
LINCOLN	1,560,354	1,545,749	14,605	6,192,869	2,471,837	3,721,032
LOGAN	2,406,721	2,338,361	68,360	19,325,469	14,387,906	4,937,563
LOVE	951,872	900,656	51,216	7,207,704	1,775,842	5,431,862
MCCLAIN	2,960,222	2,933,816	26,406	18,440,349	11,955,336	6,485,013

OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

1979 ANNUAL LIQUIDS AND GAS RUNS

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
MCCURTAIN	0	0	0	17,618	17,618	0
MCINTOSH	247	247	0	3,415,347	(1,911)	3,417,258
MAJOR	3,886,057	3,460,592	425,465	87,078,719	27,803,847	59,274,872
MARSHALL	1,084,932	1,080,393	4,539	3,587,330	1,944,477	1,642,853
MAYES	2,107	2,107	0	0	0	0
MURRAY	1,774,335	1,759,899	14,436	266,629	136,966	129,663
MUSKOGEE	195,534	195,534	0	17,750,295	15,249	17,735,046
NOBLE	1,903,128	1,901,793	1,335	4,471,756	3,611,338	860,418
NOWATA	486,307	486,307	0	683,716	0	683,716
OKFUSKEE	789,456	786,116	3,340	5,105,402	792,803	4,312,599
OKLAHOMA	2,154,623	2,137,119	17,504	9,181,876	5,594,531	3,587,345
OKMULGEE	1,198,343	1,198,146	197	5,759,626	431,391	5,328,235
OSAGE	10,570,933	10,570,933	0	14,268,856	9,683,805	4,585,051
OTTAWA	0	0	0	0	0	0
PAWNEE	924,146	924,146	0	892,885	261,978	630,907
PAYNE	1,704,800	1,702,911	1,889	2,878,293	2,326,523	551,770
PITTSBURG	279	279	0	48,393,314	0	48,393,314
PONTOTOC	5,254,334	5,254,334	0	1,240,824	795,188	445,636
POTTAWATOMIE	2,208,277	2,204,595	3,682	1,587,040	1,220,165	366,875
PUSHMATAHA	73	0	73	44,561	0	44,561
ROGER MILLS	200,353	163,260	37,093	104,037,936	914,948	103,122,988
ROGERS	141,204	141,204	0	319,837	2,089	317,748
SEMINOLE	4,204,119	4,201,716	2,403	2,522,711	1,541,637	981,074
SEQUOYAH	300	0	300	4,379,308	0	4,379,308
STEPHENS	17,273,954	17,202,345	71,609	57,940,375	43,218,179	14,722,196
TEXAS	5,551,126	5,391,460	159,666	189,149,721	4,898,025	184,251,696
TILLMAN	472,019	472,019	0	0	0	0
TULSA	750,976	750,976	0	189,691	10,279	179,412
WAGONER	56,856	56,856	0	7,515	0	7,515
WASHINGTON	769,882	769,882	0	160,193	33,361	126,832
WASHITA	75,639	72,481	3,158	11,507,082	1,240,011	10,267,071
WOODS	527,463	449,279	78,184	41,011,924	4,881,725	36,130,199
WOODWARD	772,249	609,204	163,045	38,013,402	503,737	37,509,665
TOTAL FOR YEAR	143,611,874	137,289,941	6,321,933	1,843,318,617	344,489,298	1,498,829,319
DAILY AVERAGE	393,457	376,137	17,320	5,050,188	943,806	4,106,382
AVERAGE PRICE FOR YEAR	\$15.03	\$15.03	\$15.03	\$1.11	\$1.11	\$1.11
TOTAL FOR 1 YEAR AGO	150,896,634	144,618,958	6,277,676	1,783,268,939	355,167,296	1,428,101,643
DAILY AVERAGE 1 YEAR AGO	413,415	396,216	17,199	4,885,668	973,061	3,912,607
AVERAGE PRICE 1 YEAR AGO	\$10.90	\$10.90	\$10.90	\$0.90	\$0.90	\$0.90

Source: Oklahoma Tax Commission



OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

1978 ANNUAL LIQUIDS AND GAS RUN

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
ADAIR	0	0	0	0	0	0
ALFALFA	1,214,436	1,173,142	41,294	17,369,085	9,850,731	7,518,354
ATOKA	188	188	0	0	0	0
BEAVER	3,180,301	2,951,946	228,355	103,750,672	7,119,470	96,631,202
BECKHAM	107,680	87,121	20,559	31,180,933	1,423,792	29,757,141
BLAINE	1,331,066	721,564	609,502	80,785,890	2,310,736	78,475,154
BRYAN	188,629	183,999	4,630	5,147,121	537,449	4,609,672
CADDO	4,941,055	4,860,038	81,017	46,976,566	5,130,005	41,846,561
CANADIAN	2,891,821	2,443,207	448,614	91,238,527	11,276,118	79,962,409
CARTER	16,677,655	16,647,060	30,595	23,873,380	18,417,922	5,455,458
CHEROKEE	0	0	0	0	0	0
CHOCTAW	0	0	0	0	0	0
CIMARRON	605,242	597,064	8,178	24,755,972	1,959,059	22,796,913
CLEVELAND	1,880,049	1,879,106	943	3,045,389	1,844,092	1,201,297
COAL	238,837	238,707	130	7,753,773	350,148	7,403,625
COMANCHE	157,220	156,350	870	1,063,363	184,643	878,720
COTTON	443,506	439,543	3,963	27,755	2,750	25,005
CRAIG	1,817	1,810	7	106,041	0	106,041
CREEK	5,781,119	5,780,139	980	3,109,085	1,956,019	1,153,066
CUSTER	1,876,174	441,660	1,434,514	26,308,272	1,020,739	25,287,533
DELAWARE	0	0	0	0	0	0
DEWEY	2,369,412	2,013,268	356,144	100,233,338	11,797,961	88,435,377
ELLIS	855,657	774,228	81,429	32,587,077	1,703,862	30,883,215
GARFIELD	3,597,118	3,200,392	396,726	69,929,152	41,722,277	28,206,875
GARVIN	8,353,945	8,298,183	55,762	26,581,074	18,027,366	8,553,708
GRADY	8,332,268	7,252,789	1,079,479	97,647,545	11,878,809	85,768,736
GRANT	704,504	695,999	8,505	6,736,202	2,310,100	4,426,102
GREER	7,475	7,475	0	1,720,778	44,134	1,676,644
HARMON	0	0	0	0	0	0
HARPER	575,435	452,497	122,938	102,190,337	263,688	101,926,649
HASKELL	324	324	0	32,265,466	0	32,265,466
HUGHES	707,829	707,178	651	8,501,297	580,381	7,920,916
JACKSON	104,297	104,297	0	0	0	0
JEFFERSON	418,766	418,766	0	50,237	36,341	13,896
JOHNSTON	6,238	6,238	0	13,496	0	13,496
KAY	1,385,952	1,384,402	1,550	2,073,530	622,051	1,451,479
KINGFISHER	5,751,938	5,680,449	71,489	66,196,428	44,297,689	21,898,739
KIOWA	48,855	48,855	0	257,323	26,048	231,275
LATIMER	0	0	0	54,503,349	214,314	54,289,035
LEFLORE	0	0	0	27,725,009	0	27,725,009
LINCOLN	1,578,757	1,571,360	7,397	5,304,318	2,367,468	2,936,850
LOGAN	2,525,887	2,491,884	34,003	18,289,819	14,046,580	4,243,239
LOVE	782,985	710,067	72,918	7,695,630	2,322,774	5,372,856
MCCLAIN	2,789,478	2,741,571	47,907	20,571,767	13,767,930	6,803,837

OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

1978 ANNUAL LIQUIDS AND GAS RUNS

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
MCCURTAIN	0	0	0	4,417	4,417	0
MCINTOSH	105	105	0	3,261,577	0	3,261,577
MAJOR	3,710,418	3,295,317	415,101	87,878,392	29,190,586	58,687,806
MARSHALL	828,823	821,936	6,887	4,200,550	2,172,986	2,027,564
MAYES	185	185	0	0	0	0
MURRAY	1,989,931	1,958,926	31,005	141,411	126,761	14,650
MUSKOGEE	177,539	177,539	0	345,294	0	345,294
NOBLE	1,580,332	1,569,347	10,985	3,921,841	3,154,756	767,085
NOWATA	533,975	533,975	0	265,908	0	265,908
OKFUSKEE	658,802	654,176	4,626	3,531,738	674,695	2,857,043
OKLAHOMA	2,383,819	2,364,983	18,836	10,278,960	6,690,621	3,588,339
OKMULGEE	1,205,334	1,205,334	0	5,001,994	690,164	4,311,830
OSAGE	11,295,292	11,295,289	3	11,163,031	6,723,852	4,439,179
OTTAWA	0	0	0	0	0	0
PAWNEE	930,877	930,239	638	461,708	166,448	295,260
PAYNE	1,793,806	1,790,648	3,158	2,755,593	1,925,001	830,592
PITTSBURG	175	175	0	47,542,705	0	47,542,705
PONTOTOC	5,092,763	5,092,449	314	1,540,035	1,075,827	464,208
POTTAWATOMIE	2,479,463	2,478,049	1,414	1,074,962	884,028	190,934
PUSHMATAHA	0	0	0	85,527	0	85,527
ROGER MILLS	174,444	155,229	19,215	65,567,265	505,574	65,061,691
ROGERS	108,186	108,099	87	4,574,334	4,604	4,569,730
SEMINOLE	4,437,112	4,435,460	1,652	2,156,882	1,296,050	860,832
SEQUOYAH	0	0	0	4,795,349	0	4,795,349
STEPHENS	20,270,945	20,187,436	83,509	68,048,658	51,665,959	16,382,699
TEXAS	6,015,622	5,833,054	182,568	217,271,635	13,255,835	204,015,800
TILLMAN	96,737	96,737	0	0	0	0
TULSA	839,473	839,473	0	193,557	10,771	182,786
WAGONER	59,965	59,965	0	2,333	0	2,333
WASHINGTON	722,425	722,425	0	12,264	802	11,462
WASHITA	22,469	19,304	3,165	10,123,933	233,910	9,890,023
WOODS	577,698	493,994	83,704	40,377,319	5,049,708	35,327,611
WOODWARD	496,004	336,244	159,760	39,124,771	250,495	38,874,276
TOTAL FOR YEAR	150,896,634	144,618,958	6,277,676	1,783,268,939	355,167,296	1,428,101,643
DAILY AVERAGE	413,415	396,216	17,199	4,885,668	973,061	3,912,607
AVERAGE PRICE FOR YEAR	\$10.90	\$10.90	\$10.90	\$0.90	\$0.90	\$0.90
TOTAL FOR 1 YEAR AGO	156,381,884	151,414,069	4,967,815	1,779,140,685	335,091,307	1,444,049,378
DAILY AVERAGE 1 YEAR AGO	428,444	414,833	13,610	4,874,358	918,058	3,956,300
AVERAGE PRICE 1 YEAR AGO	\$9.94	\$9.94	\$9.94	\$0.79	\$0.79	\$0.79

Source: Oklahoma Tax Commission

OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

1977 ANNUAL LIQUIDS AND GAS RUN

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
ADAIR	0	0	0	0	0	0
ALFALFA	1,290,134	1,239,875	50,259	23,014,146	10,544,539	12,469,607
ATOKA	1,087	1,087	0	0	0	0
BEAVER	3,533,136	3,326,167	206,969	102,531,480	6,897,364	95,634,116
BECKHAM	99,721	98,550	1,171	21,174,274	88,289	21,085,985
BLAINE	1,490,739	918,777	571,962	87,567,113	3,037,127	84,529,986
BRYAN	216,074	214,061	2,013	4,764,077	539,076	4,225,001
CADDO	4,969,679	4,908,128	61,551	50,663,771	3,727,594	46,936,177
CANADIAN	2,163,110	1,915,239	247,871	89,326,109	6,314,891	83,011,218
CARTER	18,050,418	18,017,281	33,137	28,329,636	21,107,627	7,222,009
CHEROKEE	0	0	0	0	0	0
CHOCTAW	0	0	0	0	0	0
CIMARRON	642,216	631,591	10,625	27,813,752	2,256,241	25,557,511
CLEVELAND	1,911,504	1,911,192	312	2,779,323	1,516,057	1,263,266
COAL	276,376	276,286	90	5,307,817	379,574	4,928,243
COMANCHE	190,480	189,482	998	1,318,180	243,115	1,075,065
COTTON	499,283	499,283	0	21,850	2,750	19,100
CRAIG	2,803	2,803	0	7,108	0	7,108
CREEK	5,801,397	5,800,451	946	3,166,461	2,222,897	943,564
CUSTER	707,323	407,331	299,992	21,515,442	767,635	20,747,807
DELAWARE	0	0	0	0	0	0
DEWEY	2,675,635	2,281,546	394,089	103,718,819	10,674,203	93,044,616
ELLIS	1,194,260	1,103,283	90,977	34,979,569	1,429,122	33,550,447
GARFIELD	3,941,685	3,591,022	350,663	65,075,858	37,386,425	27,689,433
GARVIN	8,799,944	8,748,992	50,952	26,783,625	18,164,770	8,618,855
GRADY	8,096,585	6,886,919	1,209,666	100,700,817	10,717,156	89,983,661
GRANT	981,033	972,182	8,851	5,700,640	2,481,753	3,218,887
GREER	6,677	6,677	0	2,509,842	0	2,509,842
HARMON	0	0	0	0	0	0
HARPER	471,255	354,942	116,313	92,229,794	118,200	92,111,594
HASKELL	0	0	0	37,542,977	0	37,542,977
HUGHES	675,744	675,744	0	8,130,279	713,267	7,417,012
JACKSON	135,588	135,588	0	0	0	0
JEFFERSON	433,387	433,387	0	85,761	49,024	36,737
JOHNSTON	6,982	6,982	0	0	0	0
KAY	1,541,787	1,540,726	1,061	1,592,309	463,569	1,128,740
KINGFISHER	6,826,683	6,731,510	95,173	72,926,251	48,738,955	24,187,296
KIOWA	48,948	48,948	0	125,594	0	125,594
LATIMER	0	0	0	66,964,526	0	66,964,526
LEFLORE	0	0	0	26,318,809	0	26,318,809
LINCOLN	1,775,348	1,772,533	2,815	3,801,677	2,112,502	1,689,175
LOGAN	2,397,254	2,360,353	36,901	14,905,453	10,312,913	4,592,540
LOVE	720,691	640,931	79,760	8,190,840	2,018,422	6,172,418
MCCLAIN	2,832,484	2,771,547	60,937	22,301,348	14,495,292	7,806,056

OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

1977 ANNUAL LIQUIDS AND GAS RUNS

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
MCCURTAIN	0	0	0	0	0	0
MCINTOSH	112	112	0	3,353,394	8,683	3,344,711
MAJOR	3,555,931	3,196,429	359,502	91,144,053	27,346,329	63,797,724
MARSHALL	629,267	622,686	6,581	4,820,867	2,235,825	2,585,042
MAYES	150	150	0	0	0	0
MURRAY	1,736,001	1,723,181	12,820	112,508	112,508	0
MUSKOGEE	200,823	200,823	0	715,492	0	715,492
NOBLE	1,548,054	1,546,345	1,709	4,402,966	3,259,712	1,143,254
NOWATA	408,057	408,057	0	11,779	0	11,779
OKFUSKEE	665,143	651,005	14,138	3,054,288	707,527	2,346,761
OKLAHOMA	2,772,586	2,755,480	17,106	10,029,993	6,577,849	3,452,144
OKMULGEE	816,273	816,273	0	4,110,082	63,261	4,046,821
OSAGE	11,151,429	11,149,618	1,811	9,166,485	4,353,120	4,813,365
OTTAWA	0	0	0	0	0	0
PAWNEE	1,046,081	1,045,908	173	254,495	28,570	225,925
PAYNE	1,825,906	1,825,744	162	2,845,960	2,034,264	811,696
PITTSBURG	291	291	0	48,233,312	9,711	48,223,601
PONTOTOC	5,031,744	5,031,744	0	1,608,488	1,060,301	548,187
POTTAWATOMIE	2,131,636	2,130,765	871	1,681,602	1,521,413	160,189
PUSHMATAHA	0	0	0	0	0	0
ROGER MILLS	187,797	173,700	14,097	45,788,024	353,184	45,434,840
ROGERS	127,898	127,898	0	4,383,547	0	4,383,547
SEMINOLE	5,602,241	5,601,181	1,060	2,248,973	1,568,358	680,615
SEQUOYAH	27,891	27,891	0	3,954,534	0	3,954,534
STEPHENS	21,815,596	21,701,001	114,595	71,287,771	52,799,800	18,487,971
TEXAS	6,910,063	6,708,757	201,306	209,049,481	6,693,209	202,356,272
TILLMAN	102,739	102,739	0	0	0	0
TULSA	835,308	835,292	16	176,943	3,939	173,004
WAGONER	64,015	64,015	0	0	0	0
WASHINGTON	738,321	738,286	35	4,742	0	4,742
WASHITA	20,797	16,723	4,074	5,801,875	55,030	5,746,845
WOODS	608,676	528,341	80,335	40,648,146	4,561,349	36,086,797
WOODWARD	413,608	262,238	151,370	46,365,558	217,016	46,148,542
TOTAL FOR YEAR	156,381,884	151,414,069	4,967,815	1,779,140,685	335,091,307	1,444,049,378
DAILY AVERAGE	428,444	414,833	13,610	4,874,358	918,058	3,956,300
AVERAGE PRICE FOR YEAR	\$9.94	\$9.94	\$9.94	\$0.79	\$0.79	\$0.79
TOTAL FOR 1 YEAR AGO	161,425,884	157,118,404	4,307,480	1,735,941,159	322,578,638	1,413,362,521
DAILY AVERAGE 1 YEAR AGO	441,054	429,285	11,769	4,743,009	881,362	3,861,646
AVERAGE PRICE 1 YEAR AGO	\$9.19	\$9.19	\$9.19	\$0.50	\$0.50	\$0.50

Source: Oklahoma Tax Commission

OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

1976 ANNUAL LIQUIDS AND GAS RUN

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
ADAIR	0	0	0	0	0	0
ALFALFA	1,511,737	1,454,948	56,789	20,140,281	10,434,795	9,705,486
ATOKA	3,244	3,244	0	(215,150)	0	(215,150)
BEAVER	3,730,837	3,542,198	188,639	111,055,560	5,377,174	105,678,386
BECKHAM	67,886	65,751	2,135	18,020,729	125,405	17,895,324
BLAINE	1,575,342	1,080,962	494,380	86,644,731	3,475,827	83,168,904
BRYAN	207,724	207,468	256	5,118,083	575,608	4,542,475
CADDO	6,076,550	6,021,765	54,785	46,951,450	3,271,208	43,680,242
CANADIAN	1,678,295	1,461,086	217,209	76,683,215	4,640,413	72,042,802
CARTER	20,334,215	20,313,251	20,964	29,631,535	20,709,714	8,921,821
CHEROKEE	0	0	0	0	0	0
CHOCTAW	0	0	0	0	0	0
CIMARRON	679,120	672,431	6,689	33,127,920	1,972,207	31,155,713
CLEVELAND	2,076,513	2,075,496	1,017	3,231,924	2,023,032	1,208,892
COAL	315,776	315,198	578	4,328,857	690,208	3,638,649
COMANCHE	160,168	159,153	1,015	1,569,461	77,389	1,492,072
COTTON	496,466	496,466	0	10,930	3,000	7,930
CRAIG	3,853	3,853	0	13,905	0	13,905
CREEK	5,861,320	5,860,029	1,291	3,423,206	2,380,874	1,042,332
CUSTER	242,545	182,540	60,005	20,045,786	736,465	19,309,321
DELAWARE	0	0	0	0	0	0
DEWEY	2,617,735	2,233,064	384,671	93,408,456	10,596,205	82,812,251
ELLIS	753,211	666,340	86,871	38,068,167	685,894	37,382,273
GARFIELD	3,930,329	3,703,988	226,341	54,846,457	29,744,849	25,101,608
GARVIN	10,421,091	10,381,908	39,183	25,982,073	18,959,195	7,022,878
GRADY	6,800,023	5,806,366	993,657	83,660,291	11,197,254	72,463,037
GRANT	774,035	766,140	7,895	4,800,485	2,101,194	2,699,291
GREER	7,873	7,873	0	1,228,244	0	1,228,244
HARMON	0	0	0	0	0	0
HARPER	460,175	343,955	116,220	96,531,421	48,693	96,482,728
HASKELL	0	0	0	40,140,658	0	40,140,658
HUGHES	695,793	695,588	205	8,487,258	627,676	7,859,582
JACKSON	206,626	206,626	0	0	0	0
JEFFERSON	463,410	463,410	0	119,948	117,563	2,385
JOHNSTON	6,907	6,907	0	0	0	0
KAY	1,727,717	1,727,320	397	1,509,577	734,331	775,246
KINGFISHER	7,617,412	7,475,058	142,354	78,864,846	53,081,181	25,783,665
KIOWA	539,412	539,412	0	122,976	0	122,976
LATIMER	0	0	0	79,274,182	900	79,273,282
LEFLORE	0	0	0	25,938,449	0	25,938,449
LINCOLN	1,768,216	1,764,904	3,312	3,772,622	2,165,931	1,606,691
LOGAN	1,480,825	1,463,993	16,832	12,266,967	8,056,142	4,210,825
LOVE	717,242	623,081	94,161	9,496,913	2,227,547	7,269,366
MCCLAIN	3,033,540	2,987,609	45,931	24,395,227	15,229,680	9,165,547

OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

1976 ANNUAL LIQUIDS AND GAS RUNS

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
MCCURTAIN	0	0	0	0	0	0
MCINTOSH	0	0	0	2,983,197	5,615	2,977,582
MAJOR	3,443,817	3,089,010	354,807	93,127,380	27,677,036	65,450,344
MARSHALL	554,052	536,784	17,268	4,670,706	2,382,412	2,288,294
MAYES	289	289	0	0	0	0
MURRAY	1,539,871	1,529,678	10,193	163,153	152,127	11,026
MUSKOGEE	199,357	199,357	0	82,916	0	82,916
NOBLE	1,522,622	1,521,057	1,565	4,311,359	2,858,027	1,453,332
NOWATA	414,530	414,530	0	19,467	0	19,467
OKFUSKEE	720,382	720,382	0	1,842,500	909,639	932,861
OKLAHOMA	2,762,329	2,746,129	16,200	9,783,687	6,615,450	3,168,237
OKMULGEE	864,633	864,561	72	2,226,703	18,198	2,208,505
OSAGE	10,819,203	10,815,697	3,506	4,746,005	1,494,511	3,251,494
OTTAWA	0	0	0	0	0	0
PAWNEE	1,032,123	1,032,123	0	150,815	37,709	113,106
PAYNE	1,968,739	1,968,739	0	2,251,247	1,637,634	613,613
PITTSBURG	0	0	0	49,850,027	1,253	49,848,774
PONTOTOC	4,766,086	4,766,086	0	1,706,543	1,276,785	429,758
POTTAWATOMIE	2,030,888	2,030,888	0	1,023,611	784,137	239,474
PUSHMATAHA	0	0	0	0	0	0
ROGER MILLS	207,170	195,700	11,470	26,778,227	442,427	26,335,800
ROGERS	135,256	135,256	0	113,174	0	113,174
SEMINOLE	5,307,493	5,303,472	4,021	2,226,008	1,628,723	597,285
SEQUOYAH	0	0	0	3,573,278	0	3,573,278
STEPHENS	23,940,345	23,786,812	153,533	66,392,250	49,353,660	17,038,590
TEXAS	7,389,108	7,162,320	226,788	224,739,838	9,925,606	214,814,232
TILLMAN	106,441	106,441	0	0	0	0
TULSA	881,228	881,203	25	67,483	0	67,483
WAGONER	59,746	59,746	0	29,133	0	29,133
WASHINGTON	670,342	670,342	0	4,247	0	4,247
WASHITA	20,413	16,429	3,984	3,433,974	173,477	3,260,497
WOODS	553,636	479,758	73,878	34,549,871	2,673,011	31,876,860
WOODWARD	472,622	306,234	166,388	52,396,720	463,647	51,933,073
TOTAL FOR YEAR	161,425,884	157,118,404	4,307,480	1,735,941,159	322,578,638	1,413,362,521
DAILY AVERAGE	441,054	429,285	11,769	4,743,009	881,362	3,861,646
AVERAGE PRICE FOR YEAR	\$9.19	\$9.19	\$9.19	\$0.50	\$0.50	\$0.50
TOTAL FOR 1 YEAR AGO	163,116,645	158,781,722	4,334,923	1,729,843,249	309,742,466	1,420,100,783
DAILY AVERAGE 1 YEAR AGO	446,895	435,018	11,877	4,739,297	848,609	3,890,687
AVERAGE PRICE 1 YEAR AGO	\$8.52	\$8.52	\$8.52	\$0.32	\$0.32	\$0.32

Source: Oklahoma Tax Commission

OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

1975 ANNUAL LIQUIDS AND GAS RUN

COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
ADAIR	0	0	0	0	0	0
ALFALFA	1,428,005	1,380,187	47,818	17,001,174	9,482,781	7,518,393
ATOKA	5,325	5,325	0	0	0	0
BEAVER	3,431,528	3,219,922	211,606	124,084,662	5,217,200	118,867,462
BECKHAM	88,452	85,783	2,669	16,891,849	190,320	16,701,529
BLAINE	1,606,942	1,040,771	566,171	88,218,174	2,105,266	86,112,908
BRYAN	239,858	239,219	639	5,280,450	804,344	4,476,106
CADDO	4,818,408	4,777,124	41,284	35,059,408	1,752,333	33,307,075
CANADIAN	1,642,082	1,409,249	232,833	70,428,298	4,770,170	65,658,128
CARTER	22,673,924	22,652,005	21,919	27,030,275	18,610,375	8,419,900
CHEROKEE	0	0	0	0	0	0
CHOCTAW	0	0	0	0	0	0
CIMARRON	757,345	748,360	8,985	29,871,816	2,303,100	27,568,716
CLEVELAND	2,286,767	2,285,965	802	3,502,904	2,198,789	1,304,115
COAL	314,141	314,141	0	4,841,554	301,482	4,540,072
COMANCHE	126,654	125,012	1,642	1,545,125	39,148	1,505,977
COTTON	553,243	553,243	0	196,818	177,223	19,595
CRAIG	12,654	12,654	0	30,157	0	30,157
CREEK	6,208,052	6,207,063	989	3,701,268	2,828,176	873,092
CUSTER	144,108	122,384	21,724	16,346,470	682,310	15,664,160
DELAWARE	0	0	0	0	0	0
DEWEY	2,590,770	2,112,990	477,780	89,618,328	7,873,613	81,744,715
ELLIS	542,486	437,845	104,641	41,212,315	668,582	40,543,733
GARFIELD	3,031,636	2,835,173	196,463	48,896,541	22,803,243	26,093,298
GARVIN	12,259,026	12,226,954	32,072	24,805,718	17,942,025	6,863,693
GRADY	5,060,235	4,166,893	893,342	56,467,751	9,873,794	46,593,957
GRANT	758,136	748,910	9,226	6,111,387	2,114,800	3,996,587
GREER	5,760	5,760	0	1,047,685	0	1,047,685
HARMON	0	0	0	0	0	0
HARPER	415,826	280,107	135,719	94,695,429	148,388	94,547,041
HASKELL	0	0	0	44,186,470	0	44,186,470
HUGHES	684,011	683,800	211	7,857,245	465,052	7,392,193
JACKSON	153,988	153,988	0	0	0	0
JEFFERSON	551,046	550,751	295	110,529	110,529	0
JOHNSTON	10,946	10,946	0	0	0	0
KAY	1,842,841	1,842,556	285	1,452,128	772,618	679,510
KINGFISHER	8,687,996	8,613,620	74,376	84,400,469	54,200,340	30,200,129
KIOWA	43,457	43,457	0	189,987	0	189,987
LATIMER	0	0	0	84,184,265	450	84,183,815
LEFLORE	0	0	0	27,547,839	0	27,547,839
LINCOLN	1,727,726	1,723,750	3,976	3,706,090	1,726,243	1,979,847
LOGAN	1,059,186	1,039,636	19,550	10,522,316	7,382,425	3,139,891
LOVE	769,469	668,306	101,163	9,697,681	2,744,144	6,953,537
MCCLAIN	3,297,586	3,251,509	46,077	25,648,907	16,267,989	9,380,918

OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

1975 ANNUAL LIQUIDS AND GAS RUNS

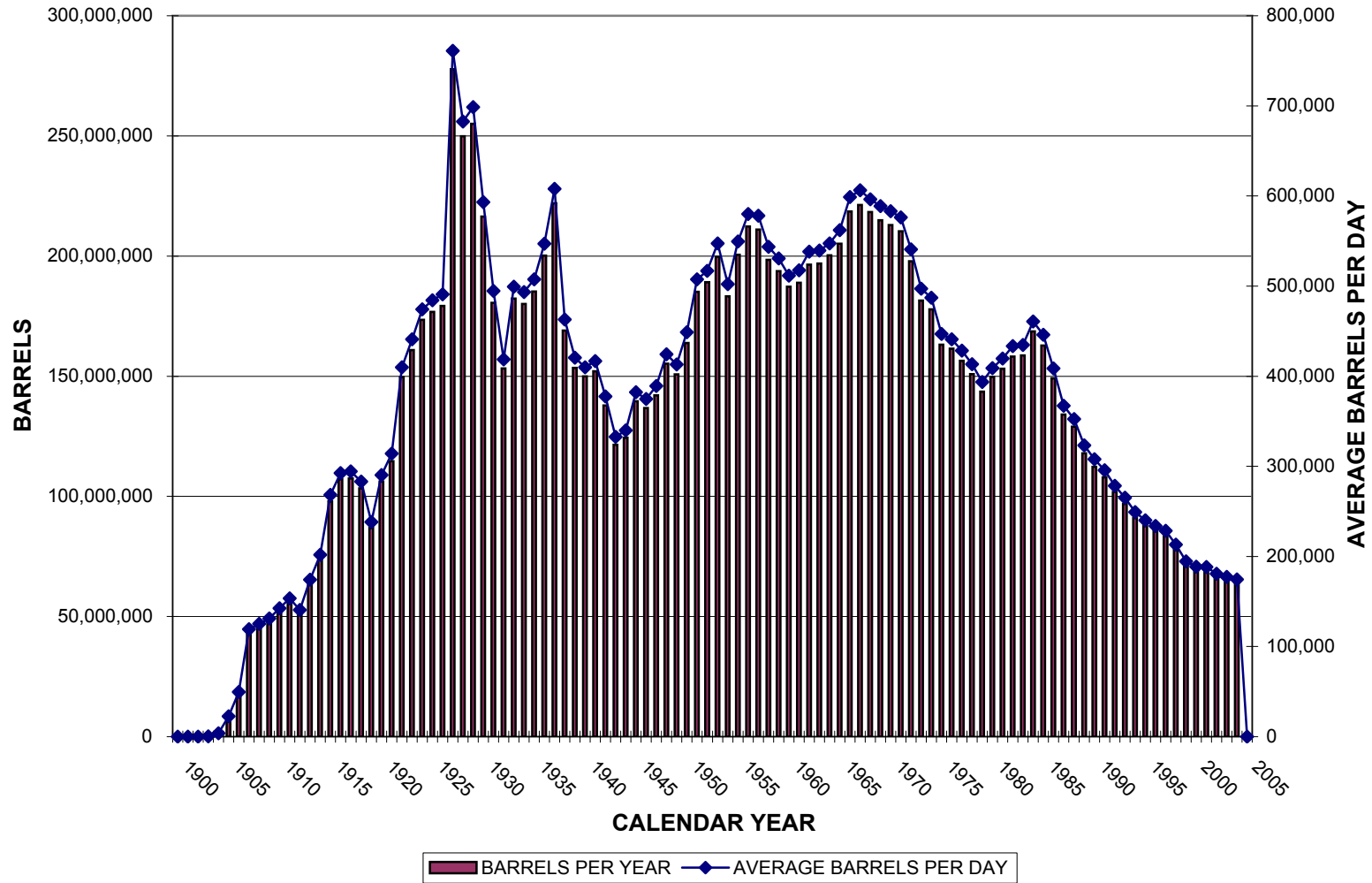
COUNTY NAME	BARRELS			MCF		
	TOTAL LIQUIDS (1+2)	CRUDE OIL (1)	CONDENSATE OIL (2)	TOTAL GAS (4+5)	CASINGHEAD GAS (4)	NATURAL GAS (5)
MCCURTAIN	0	0	0	11,545	0	11,545
MCINTOSH	75	15	60	3,579,223	0	3,579,223
MAJOR	3,707,962	3,353,528	354,434	100,005,092	30,343,612	69,661,480
MARSHALL	619,779	610,908	8,871	4,797,966	2,855,883	1,942,083
MAYES	349	349	0	0	0	0
MURRAY	1,156,262	1,155,636	626	242,387	216,762	25,625
MUSKOGEE	199,943	199,943	0	35,306	0	35,306
NOBLE	1,499,162	1,496,952	2,210	4,033,372	2,882,691	1,150,681
NOWATA	386,611	386,611	0	42,946	0	42,946
OKFUSKEE	715,095	714,957	138	1,740,282	903,292	836,990
OKLAHOMA	2,964,100	2,948,518	15,582	10,650,691	7,333,764	3,316,927
OKMULGEE	826,168	826,168	0	1,176,984	29,554	1,147,430
OSAGE	10,267,829	10,266,900	929	2,899,828	825,148	2,074,680
OTTAWA	0	0	0	0	0	0
PAWNEE	947,654	947,654	0	219,950	34,097	185,853
PAYNE	1,804,614	1,804,614	0	1,686,432	928,605	757,827
PITTSBURG	130	130	0	49,495,340	1,654	49,493,686
PONTOTOC	4,404,908	4,404,908	0	1,570,676	927,719	642,957
POTTAWATOMIE	2,055,474	2,055,474	0	1,105,806	751,284	354,522
PUSHMATAHA	0	0	0	0	0	0
ROGER MILLS	233,121	217,620	15,501	20,188,154	599,357	19,588,797
ROGERS	152,652	152,652	0	612	0	612
SEMINOLE	5,600,841	5,597,192	3,649	2,554,620	1,904,702	649,918
SEQUOYAH	0	0	0	3,860,339	0	3,860,339
STEPHENS	25,242,504	25,069,615	172,889	68,749,833	49,773,986	18,975,847
TEXAS	7,717,301	7,467,595	249,706	254,095,882	8,803,951	245,291,931
TILLMAN	108,192	108,192	0	0	0	0
TULSA	843,224	843,224	0	67,425	0	67,425
WAGONER	61,578	61,267	311	73,744	0	73,744
WASHINGTON	585,627	585,627	0	8,329	425	7,904
WASHITA	17,452	12,463	4,989	2,271,295	127,418	2,143,877
WOODS	687,624	618,823	68,801	36,150,019	3,434,417	32,715,602
WOODWARD	480,799	298,829	181,970	52,139,689	506,893	51,632,796
TOTAL FOR YEAR	163,116,645	158,781,722	4,334,923	1,729,843,249	309,742,466	1,420,100,783
DAILY AVERAGE	446,895	435,018	11,877	4,739,297	848,609	3,890,687
AVERAGE PRICE FOR YEAR	\$8.52	\$8.52	\$8.52	\$0.32	\$0.32	\$0.32
TOTAL FOR 1 YEAR AGO	177,778,187	173,143,643	4,634,544	1,766,162,498	333,155,801	1,433,006,697
DAILY AVERAGE 1 YEAR AGO	487,064	474,366	12,697	4,838,801	912,756	3,926,046
AVERAGE PRICE 1 YEAR AGO	\$7.18	\$7.18	\$7.18	\$0.23	\$0.23	\$0.23

Source: Oklahoma Tax Commission



# OKLAHOMA OIL PRODUCTION

## BY YEAR (1900-2004)



Source: Oklahoma Corporation Commission

# OKLAHOMA CORPORATION COMMISSION

## OIL AND GAS CONSERVATION DIVISION

### TECHNICAL SERVICES DEPARTMENT

#### OIL PRODUCTION HISTORY (CRUDE/CONDENSATE) FOR THE CALENDAR YEARS OF 1891 TO 2004

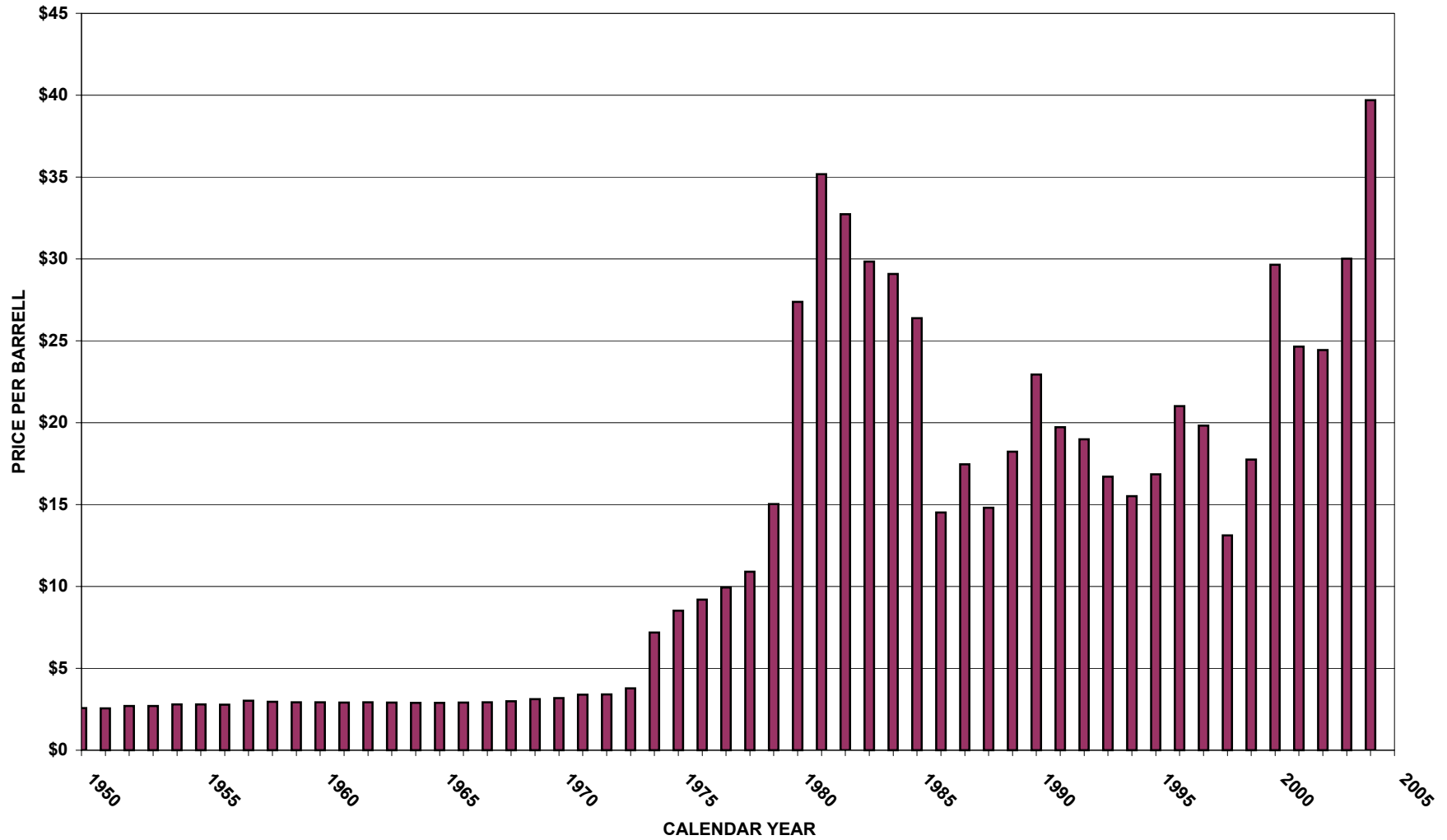
YEAR	TOTAL LIQUID PRODUCTION (Barrels)	YEAR	TOTAL LIQUID PRODUCTION (Barrels)	YEAR	TOTAL LIQUID PRODUCTION (Barrels)
1891-1899	4,000	1933	182,251,000	1967	230,749,000
1900	6,000	1934	180,107,000	1968	223,623,000
1901	10,000	1935	185,288,000	1969	224,729,000
1902	37,000	1936	206,555,000	1970	223,574,000
1903	139,000	1937	228,839,000	1971	213,313,000
1904	1,367,000	1938	174,994,000	1972	207,633,000
1905	8,264,000	1939	159,913,000	1973	191,197,000
1906	18,091,000	1940	156,164,000	1974	177,778,187
1907	43,524,000	1941	154,702,000	1975	163,116,645
1908	45,799,000	1942	140,690,000	1976	161,425,884
1909	47,859,000	1943	123,152,000	1977	156,381,884
1910	52,029,000	1944	124,616,000	1978	150,896,634
1911	56,070,000	1945	139,299,000	1979	143,611,874
1912	51,427,000	1946	134,497,000	1980	149,700,286
1913	63,579,000	1947	141,019,000	1981	153,140,972
1914	73,632,000	1948	154,455,000	1982	158,227,252
1915	97,915,000	1949	151,660,000	1983	158,664,705
1916	107,072,000	1950	164,599,000	1984	168,603,873
1917	107,507,000	1951	186,869,000	1985	162,738,897
1918	103,347,000	1952	190,435,000	1986	149,106,240
1919	86,911,000	1953	202,570,000	1987	133,995,554
1920	106,206,000	1954	185,851,000	1988	128,999,366
1921	114,634,000	1955	202,817,000	1989	117,970,730
1922	149,571,000	1956	215,862,000	1990	112,321,064
1923	160,929,000	1957	214,661,000	1991	107,915,672
1924	173,538,000	1958	200,699,000	1992	101,833,599
1925	176,768,000	1959	198,090,000	1993	96,819,609
1926	179,195,000	1960	192,913,000	1994	90,998,504
1927	277,775,000	1961	193,081,000	1995	87,656,951
1928	249,857,000	1962	202,732,000	1996	85,623,872
1929	255,005,000	1963	201,962,000	1997	83,445,148
1930	216,486,000	1964	202,524,000	1998	77,796,579
1931	180,574,000	1965	203,441,000	1999	71,047,405
1932	153,244,000	1966	224,839,000	2000	69,018,135

<b>YEAR</b>	<b>TOTAL LIQUID PRODUCTION (Barrels)</b>		<b>YEAR</b>	<b>TOTAL LIQUID PRODUCTION (Barrels)</b>		<b>YEAR</b>	<b>TOTAL LIQUID PRODUCTION (Barrels)</b>
2001	68,725,026						
2002	66,030,455						
2003	64,676,767						
2004	63,816,895						

Source: Oklahoma Tax Commission

# OKLAHOMA AVERAGE OIL PRICE

(1950 - 2004)



Source: Oklahoma Corporation Commission

**OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT**

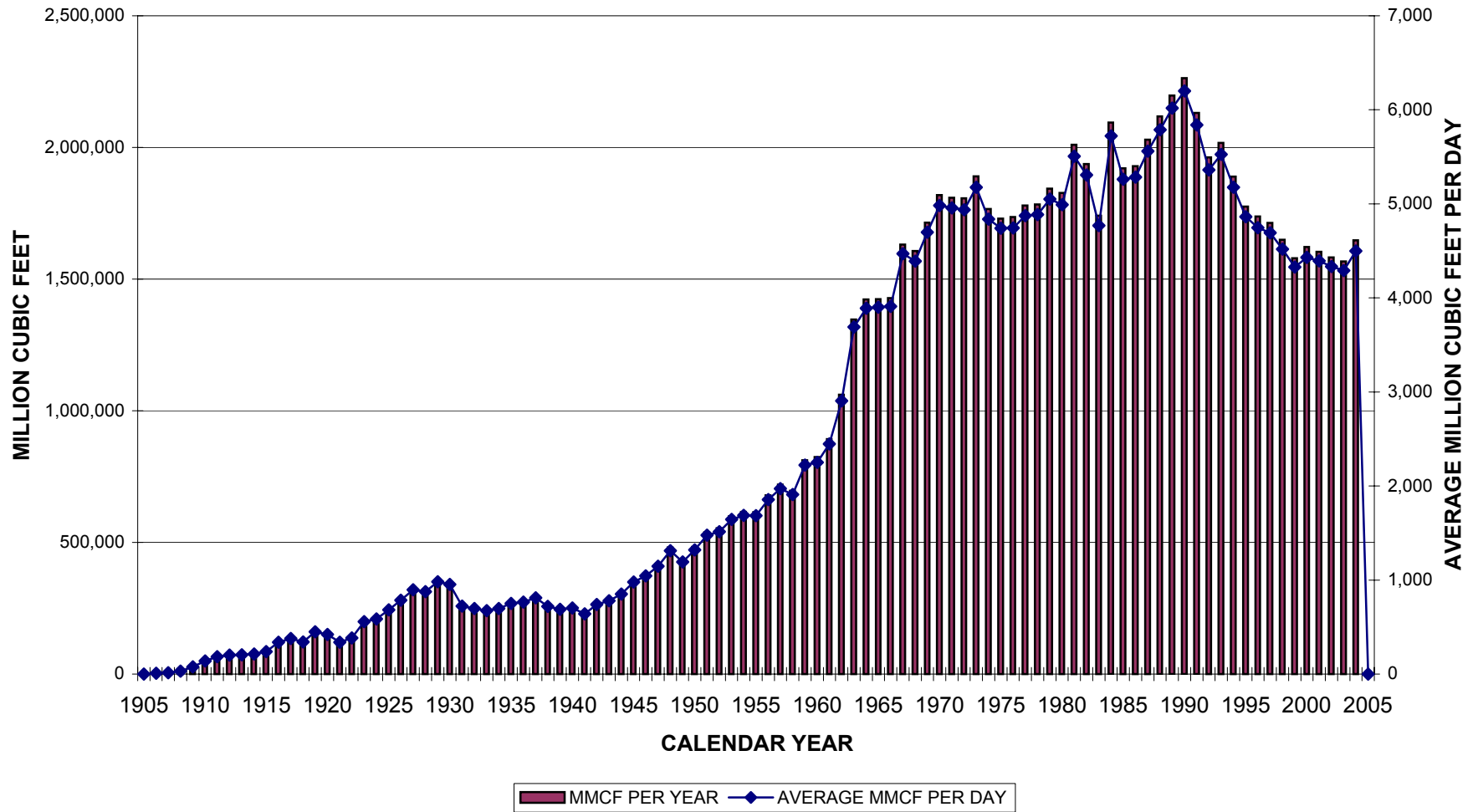
**ANNUAL AVERAGE OIL PRICE (CRUDE/CONDENSATE)  
FOR THE YEARS OF 1950 TO 2004**

<b>YEAR</b>	<b>PRICE PER BARREL</b>		<b>YEAR</b>	<b>PRICE PER BARREL</b>
1950	\$2.57		1986	\$14.51
1951	\$2.56		1987	\$17.46
1952	\$2.70		1988	\$14.81
1953	\$2.70		1989	\$18.23
1954	\$2.79		1990	\$22.95
1955	\$2.79		1991	\$19.72
1956	\$2.78		1992	\$18.99
1957	\$3.03		1993	\$16.71
1958	\$2.96		1994	\$15.51
1959	\$2.92		1995	\$16.85
1960	\$2.92		1996	\$21.02
1961	\$2.91		1997	\$19.83
1962	\$2.92		1998	\$13.12
1963	\$2.91		1999	\$17.75
1964	\$2.90		2000	\$29.64
1965	\$2.89		2001	\$24.64
1966	\$2.91		2002	\$24.44
1967	\$2.93		2003	\$30.02
1968	\$2.99		2004	\$39.70
1969	\$3.12			
1970	\$3.19			
1971	\$3.40			
1972	\$3.41			
1973	\$3.78			
1974	\$7.18			
1975	\$8.52			
1976	\$9.19			
1977	\$9.94			
1978	\$10.90			
1979	\$15.03			
1980	\$27.38			
1981	\$35.18			
1982	\$32.74			
1983	\$29.84			
1984	\$29.09			
1985	\$26.39			

Source: Oklahoma Tax Commission

# OKLAHOMA GAS PRODUCTION

## BY YEAR (1905-2004)



Source: Oklahoma Corporation Commission

**OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT**

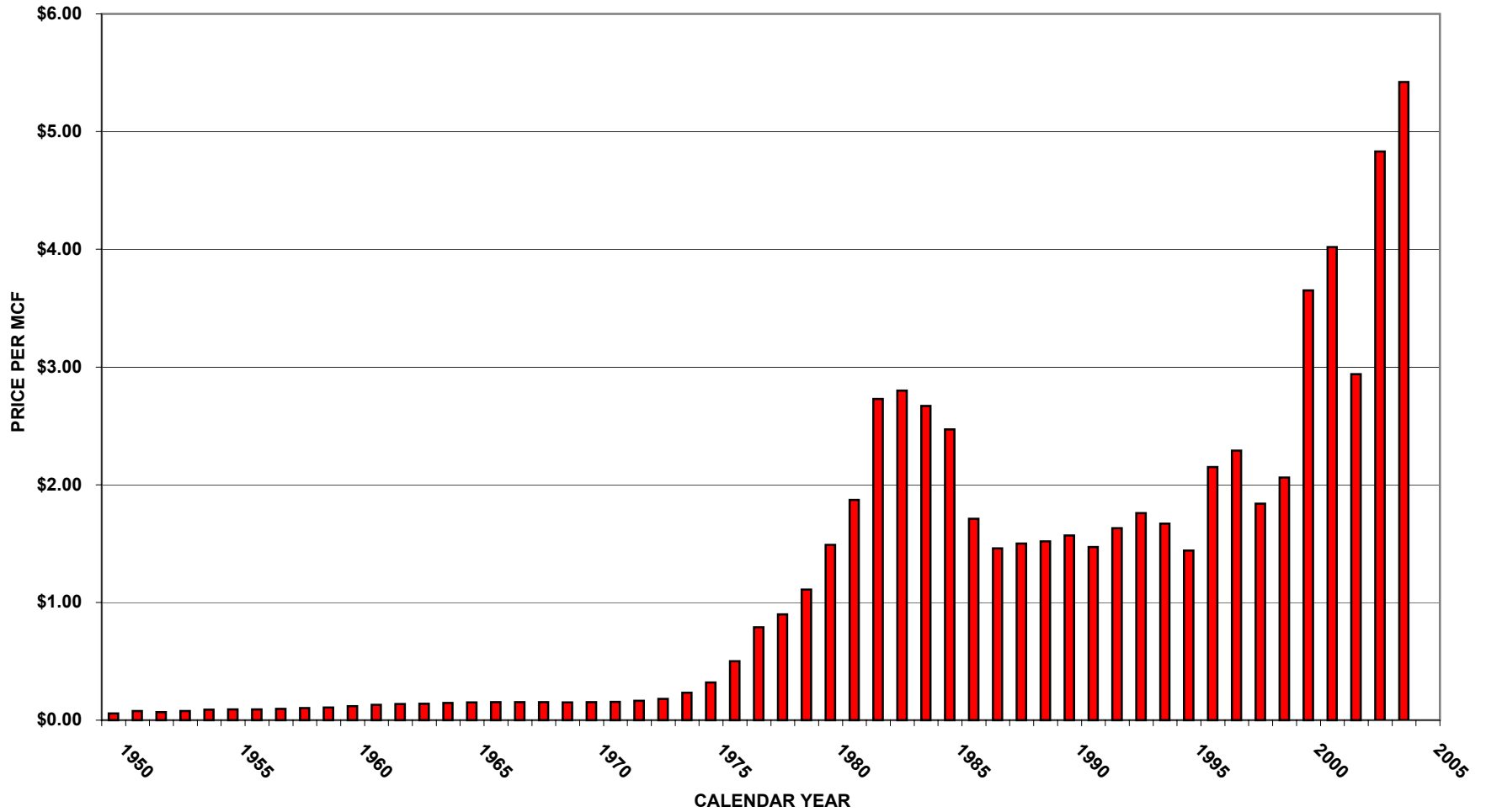
**GAS PRODUCTION HISTORY (CASINGHEAD/NATURAL GAS)  
FOR THE YEARS OF 1905 TO 2004**

YEAR	CUBIC FEET IN MILLIONS (MMCF)	YEAR	CUBIC FEET IN MILLIONS (MMCF)	YEAR	CUBIC FEET IN MILLIONS (MMCF)
1905	0	1947	419,010	1989	2,197,138
1906	3,520	1948	480,573	1990	2,263,489
1907	4,867	1949	435,262	1991	2,130,731
1908	11,925	1950	482,360	1992	1,962,533
1909	28,037	1951	538,756	1993	2,016,923
1910	50,430	1952	554,033	1994	1,889,517
1911	67,276	1953	599,955	1995	1,775,429
1912	73,799	1954	616,355	1996	1,737,460
1913	75,018	1955	614,976	1997	1,713,192
1914	78,167	1956	678,603	1998	1,649,110
1915	87,517	1957	719,794	1999	1,579,426
1916	123,517	1958	696,504	2000	1,621,697
1917	137,617	1959	811,508	2001	1,603,733
1918	124,317	1960	824,266	2002	1,581,846
1919	163,649	1961	892,697	2003	1,566,664
1920	154,567	1962	1,060,717	2004	1,646,956
1921	124,058	1963	1,347,000		
1922	140,631	1964	1,423,235		
1923	203,082	1965	1,424,000		
1924	214,452	1966	1,427,461		
1925	249,285	1967	1,631,193		
1926	286,421	1968	1,606,582		
1927	326,864	1969	1,714,803		
1928	320,861	1970	1,818,816		
1929	357,893	1971	1,809,091		
1930	348,116	1972	1,806,907		
1931	263,685	1973	1,889,751		
1932	255,487	1974	1,766,162		
1933	245,759	1975	1,729,843		
1934	254,457	1976	1,735,941		
1935	274,313	1977	1,779,141		
1936	280,481	1978	1,783,269		
1937	296,260	1979	1,843,319		
1938	263,164	1980	1,826,979		
1939	250,875	1981	2,009,852		
1940	257,626	1982	1,936,725		
1941	234,054	1983	1,740,508		
1942	269,704	1984	2,094,232		
1943	285,045	1985	1,920,858		
1944	310,888	1986	1,928,599		
1945	357,530	1987	2,029,899		
1946	380,938	1988	2,118,136		

Source: Oklahoma Tax Commission

# OKLAHOMA AVERAGE GAS PRICE

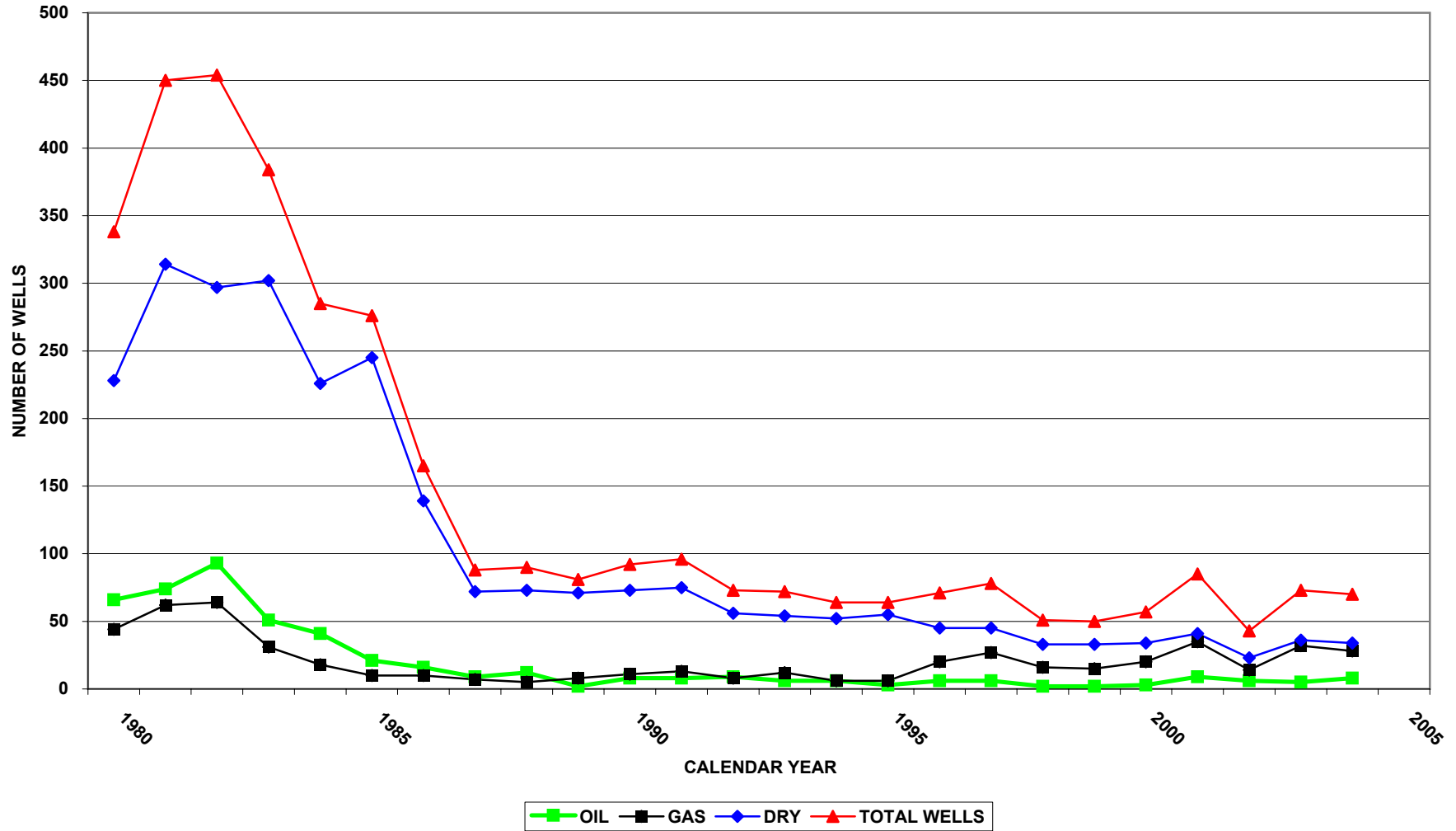
(1950 - 2004)



Source: Oklahoma Corporation Commission



# WILDCAT WELLS (1980 - 2004)



Source: IHS Energy

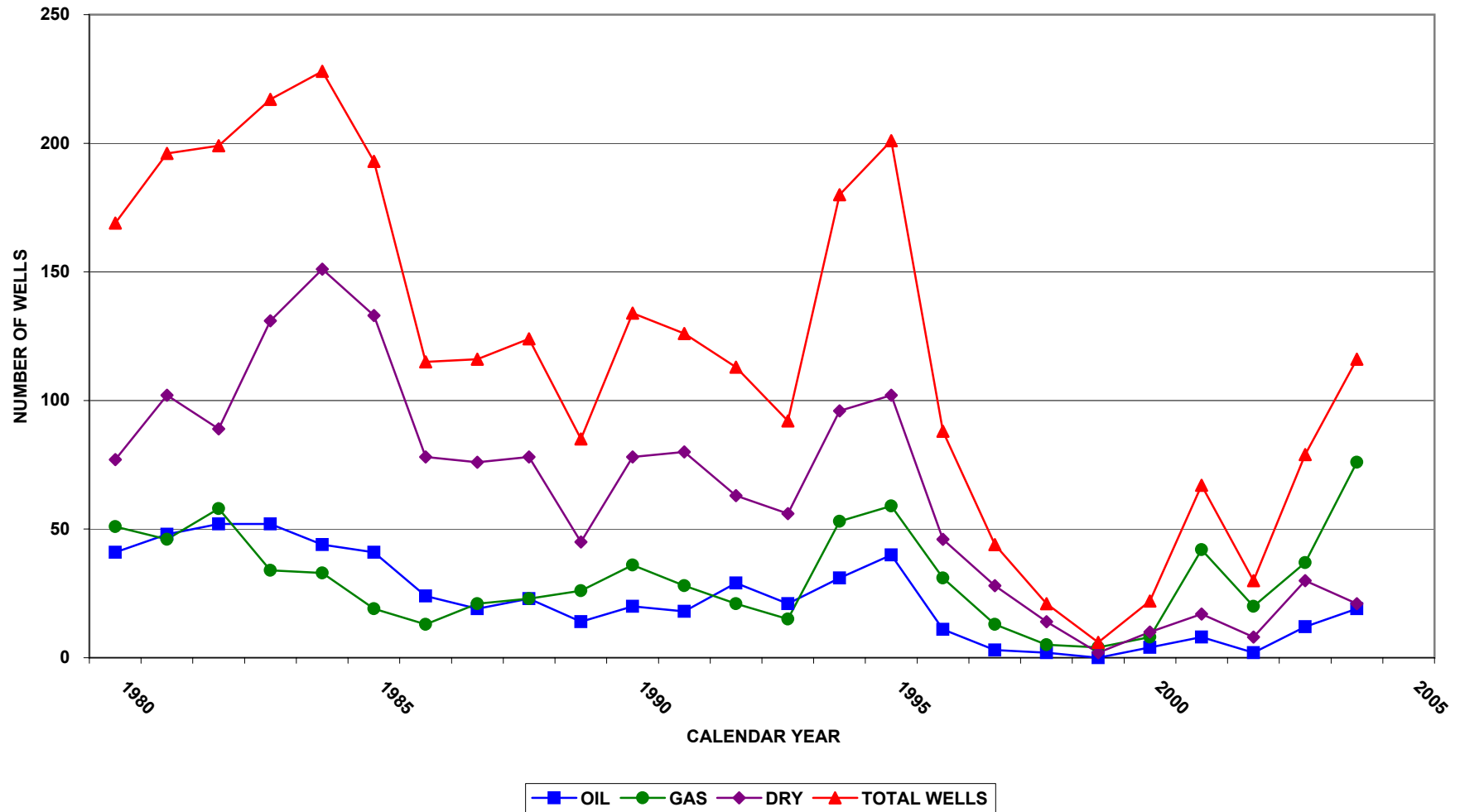
OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

NEW FIELD WILDCAT WELLS  
FOR THE YEARS OF 1980 TO 2004

YEAR	OIL	SUCCESS RATIO	GAS	SUCCESS RATIO	DRY	PER CENT OF TOTAL	TOTAL	DRILLING SUCCESS
1980	66	19.5266%	44	13.0178%	228	67.4556%	338	32.54%
1981	74	16.4444%	62	13.7778%	314	69.7778%	450	30.22%
1982	93	20.4846%	64	14.0969%	297	65.4185%	454	34.58%
1983	51	13.2813%	31	8.0729%	302	78.6458%	384	21.35%
1984	41	14.3860%	18	6.3158%	226	79.2982%	285	20.70%
1985	21	7.6087%	10	3.6232%	245	88.7681%	276	11.23%
1986	16	9.6970%	10	6.0606%	139	84.2424%	165	15.76%
1987	9	10.2273%	7	7.9545%	72	81.8182%	88	18.18%
1988	12	13.3333%	5	5.5556%	73	81.1111%	90	18.89%
1989	2	2.4691%	8	9.8765%	71	87.6543%	81	12.35%
1990	8	8.6957%	11	11.9565%	73	79.3478%	92	20.65%
1991	8	8.3333%	13	13.5417%	75	78.1250%	96	21.88%
1992	9	12.3288%	8	10.9589%	56	76.7123%	73	23.29%
1993	6	8.3333%	12	16.6667%	54	75.0000%	72	25.00%
1994	6	9.3750%	6	9.3750%	52	81.2500%	64	18.75%
1995	3	4.6875%	6	9.3750%	55	85.9375%	64	14.06%
1996	6	8.4507%	20	28.1690%	45	63.3803%	71	36.62%
1997	6	7.6923%	27	34.6154%	45	57.6923%	78	42.31%
1998	2	3.9216%	16	31.3725%	33	64.7059%	51	35.29%
1999	2	4.0000%	15	30.0000%	33	66.0000%	50	34.00%
2000	3	5.2632%	20	35.0877%	34	59.6491%	57	40.35%
2001	9	10.5882%	35	41.1765%	41	48.2353%	85	51.76%
2002	6	13.9535%	14	32.5581%	23	53.4884%	43	46.51%
2003	5	6.8493%	32	43.8356%	36	49.3151%	73	50.68%
2004	8	11.4286%	28	40.0000%	34	48.5714%	70	51.43%
2005								
TOTAL	472	12.9315%	522	14.3014%	2,656	72.7671%	3,650	27.23%

Source: IHS Energy

# EXPLORATORY WELLS (1980 - 2004)



Source: IHS Energy

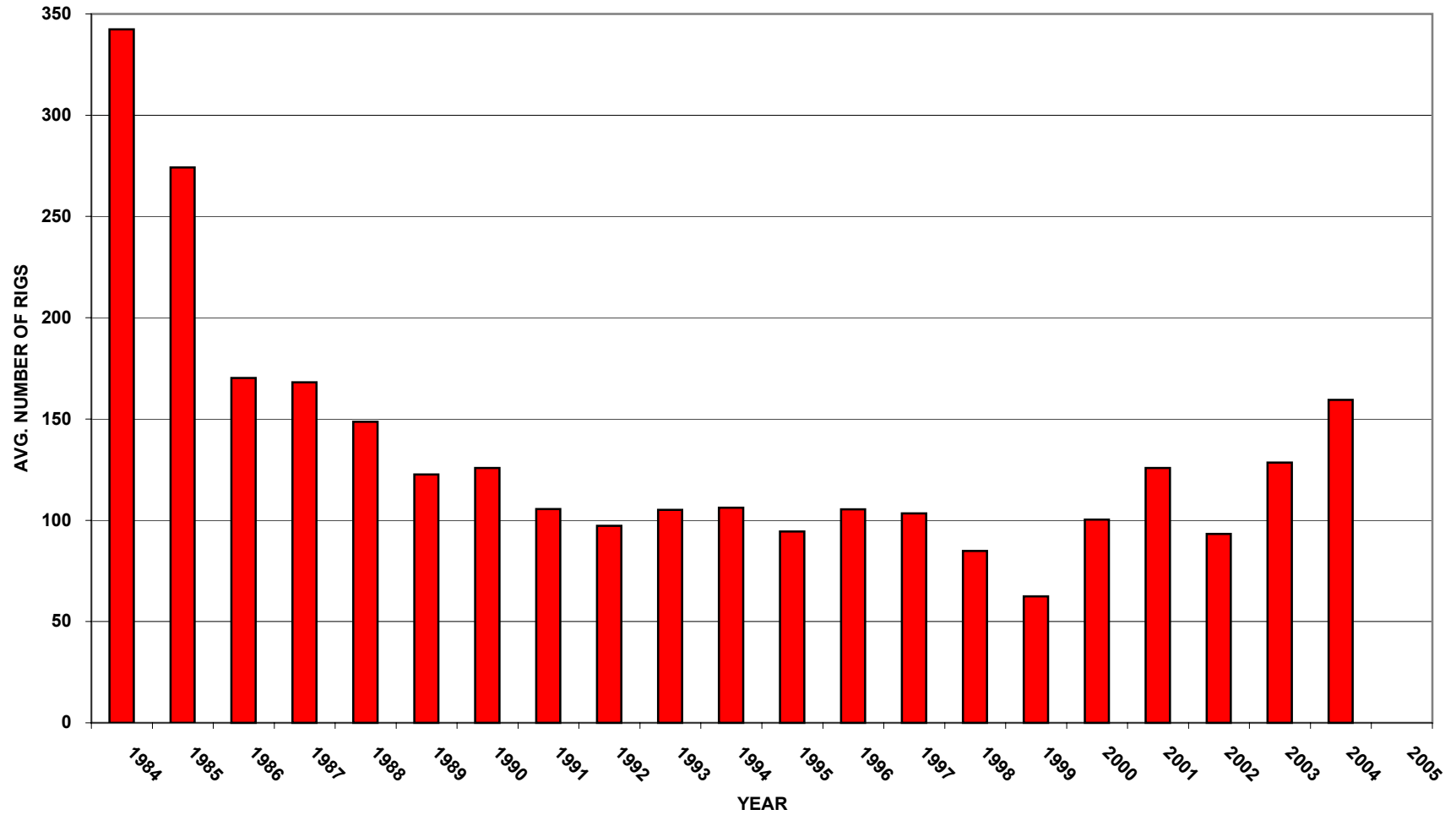
OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

EXPLORATORY WELLS  
FOR THE YEARS OF 1980 TO 2004

YEAR	OIL	SUCCESS RATIO	GAS	SUCCESS RATIO	DRY	PER CENT OF TOTAL	TOTAL	DRILLING SUCCESS
1980	41	24.2604%	51	30.1775%	77	45.5621%	169	54.44%
1981	48	24.4898%	46	23.4694%	102	52.0408%	196	47.96%
1982	52	26.1307%	58	29.1457%	89	44.7236%	199	55.28%
1983	52	23.9631%	34	15.6682%	131	60.3687%	217	39.63%
1984	44	19.2982%	33	14.4737%	151	66.2281%	228	33.77%
1985	41	21.2435%	19	9.8446%	133	68.9119%	193	31.09%
1986	24	20.8696%	13	11.3043%	78	67.8261%	115	32.17%
1987	19	16.3793%	21	18.1034%	76	65.5172%	116	34.48%
1988	23	18.5484%	23	18.5484%	78	62.9032%	124	37.10%
1989	14	16.4706%	26	30.5882%	45	52.9412%	85	47.06%
1990	20	14.9254%	36	26.8657%	78	58.2090%	134	41.79%
1991	18	14.2857%	28	22.2222%	80	63.4921%	126	36.51%
1992	29	25.6637%	21	18.5841%	63	55.7522%	113	44.25%
1993	21	22.8261%	15	16.3043%	56	60.8696%	92	39.13%
1994	31	17.2222%	53	29.4444%	96	53.3333%	180	46.67%
1995	40	19.9005%	59	29.3532%	102	50.7463%	201	49.25%
1996	11	12.5000%	31	35.2273%	46	52.2727%	88	47.73%
1997	3	6.8182%	13	29.5455%	28	63.6364%	44	36.36%
1998	2	9.5238%	5	23.8095%	14	66.6667%	21	33.33%
1999	0	0.0000%	4	66.6667%	2	33.3333%	6	66.67%
2000	4	18.1818%	8	36.3636%	10	45.4545%	22	54.55%
2001	8	11.9403%	42	62.6866%	17	25.3731%	67	74.63%
2002	2	6.6667%	20	66.6667%	8	26.6667%	30	73.33%
2003	12	15.1899%	37	46.8354%	30	37.9747%	79	62.03%
2004	19	16.3793%	76	65.5172%	21	18.1034%	116	81.90%
2005								
TOTAL	578	19.5204%	772	26.0723%	1,611	54.4073%	2,961	45.59%

Source: IHS Energy

# AVERAGE NUMBER OF RIGS (1984 - 2004)



Source: Baker Hughes

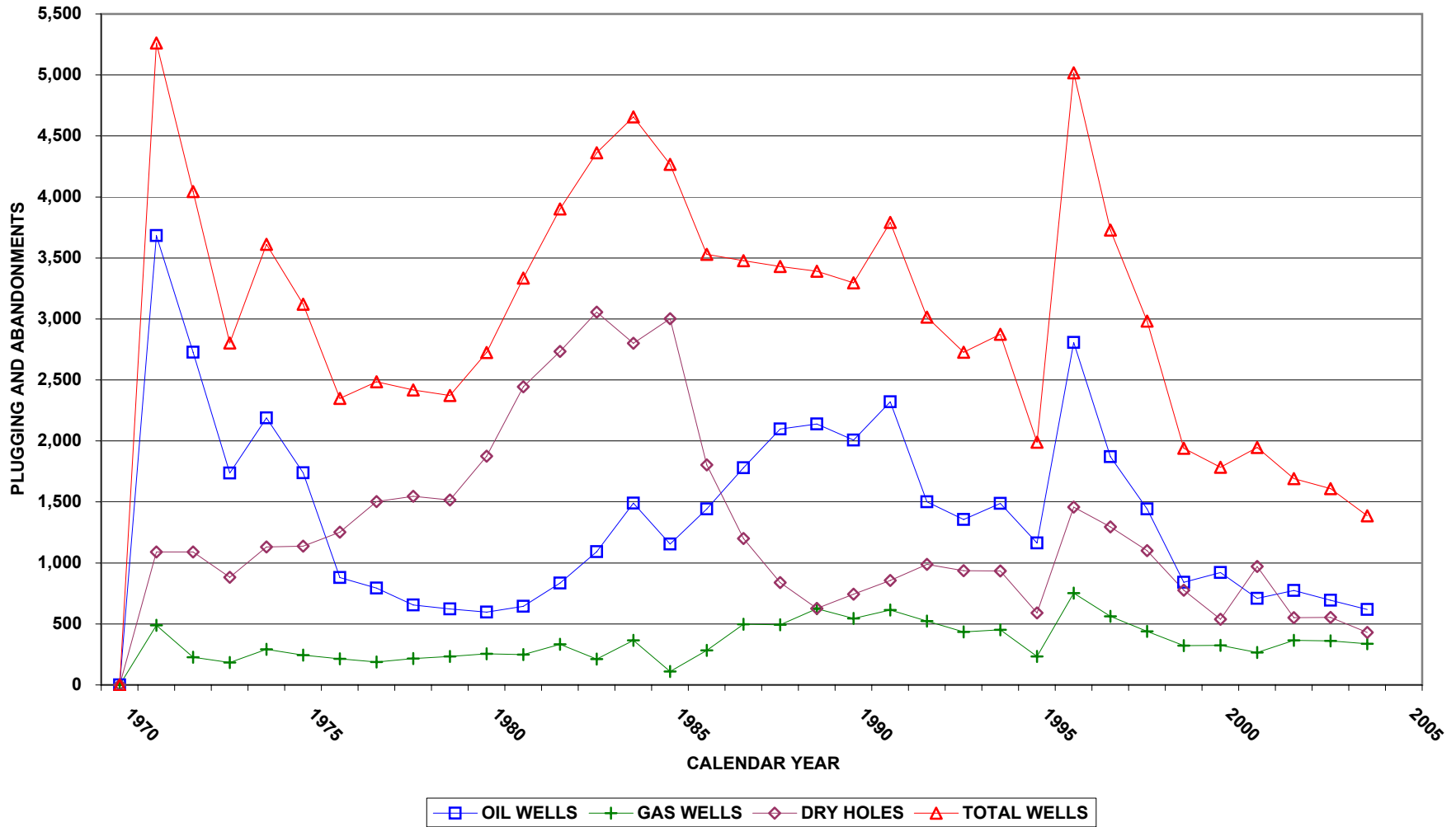
OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

AVERAGE MONTHLY RIG COUNT  
FOR THE YEARS 1984 TO 2004

YEAR	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	AVERAGE PER MONTH
1984	402	395	368	310	366	365	348	300	307	285	325	338	342
1985	339	304	235	285	257	274	269	273	283	256	258	258	274
1986	346	255	185	177	139	114	120	129	115	129	160	174	170
1987	198	150	139	171	156	134	159	179	184	178	188	181	168
1988	143	155	152	161	146	144	139	149	149	140	151	154	149
1989	135	122	111	124	121	91	103	114	136	137	131	147	123
1990	139	122	104	121	114	123	132	126	123	130	135	141	126
1991	128	118	121	115	103	101	101	98	92	103	99	88	106
1992	88	91	84	83	88	76	89	87	97	117	124	143	97
1993	117	117	94	98	95	101	99	98	103	113	113	114	105
1994	104	108	111	105	106	106	99	98	112	105	110	110	106
1995	94	93	90	91	92	94	92	102	82	97	100	107	95
1996	92	92	105	124	105	113	99	99	102	111	110	113	105
1997	105	106	115	104	112	115	117	103	95	93	90	86	103
1998	99	101	75	96	84	85	79	94	85	80	72	68	85
1999	66	65	62	56	51	53	53	53	65	62	77	86	62
2000	76	68	77	80	97	93	108	115	122	125	111	132	100
2001	131	130	131	144	158	157	157	139	122	91	81	69	126
2002	75	73	80	81	107	104	105	107	96	92	98	102	93
2003	101	114	117	124	128	129	130	138	139	140	141	141	129
2004	149	149	154	165	158	168	172	170	167	159	158	145	160
2005													
TOTAL	3,127	2,928	2,710	2,815	2,783	2,740	2,770	2,771	2,776	2,743	2,832	2,897	
AVERAGE	149	139	129	134	133	130	132	132	132	131	135	138	134

Source: Baker Hughes

# PLUGGING & ABANDONMENT (1970 - 2004)



Source: Oklahoma Corporation Commission

OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

PLUGGING & ABANDONMENTS  
FOR THE YEARS OF 1970 TO 2004

YEAR	FORMER OIL WELLS	PERCENT OF TOTAL	FORMER GAS WELLS	PERCENT OF TOTAL	DRY HOLES	PERCENT OF TOTAL	TOTAL P&A WELLS
1970	0	0.00%	0	0.00%	0	0.00%	0
1971	3,684	70.00%	488	9.27%	1,091	20.73%	5,263
1972	2,728	67.44%	228	5.64%	1,089	26.92%	4,045
1973	1,737	61.95%	184	6.56%	883	31.49%	2,804
1974	2,188	60.58%	293	8.11%	1,131	31.31%	3,612
1975	1,739	55.72%	245	7.85%	1,137	36.43%	3,121
1976	881	37.51%	215	9.15%	1,253	53.34%	2,349
1977	793	31.92%	188	7.57%	1,503	60.51%	2,484
1978	656	27.12%	216	8.93%	1,547	63.95%	2,419
1979	623	26.26%	233	9.82%	1,516	63.91%	2,372
1980	596	21.86%	255	9.35%	1,875	68.78%	2,726
1981	644	19.31%	248	7.44%	2,443	73.25%	3,335
1982	835	21.40%	334	8.56%	2,733	70.04%	3,902
1983	1,093	25.06%	213	4.88%	3,056	70.06%	4,362
1984	1,491	32.02%	365	7.84%	2,800	60.14%	4,656
1985	1,156	27.09%	111	2.60%	3,001	70.31%	4,268
1986	1,442	40.86%	284	8.05%	1,803	51.09%	3,529
1987	1,779	51.16%	497	14.29%	1,201	34.54%	3,477
1988	2,098	61.17%	493	14.37%	839	24.46%	3,430
1989	2,138	63.05%	625	18.43%	628	18.52%	3,391
1990	2,008	60.90%	544	16.50%	745	22.60%	3,297
1991	2,320	61.20%	615	16.22%	856	22.58%	3,791
1992	1,501	49.80%	524	17.39%	989	32.81%	3,014
1993	1,356	49.71%	435	15.95%	937	34.35%	2,728
1994	1,489	51.79%	452	15.72%	934	32.49%	2,875
1995	1,164	58.52%	234	11.76%	591	29.71%	1,989
1996	2,808	55.96%	752	14.99%	1,458	29.06%	5,018
1997	1,871	50.19%	562	15.08%	1,295	34.74%	3,728
1998	1,442	48.34%	440	14.75%	1,101	36.91%	2,983
1999	841	43.33%	323	16.64%	777	40.03%	1,941
2000	922	51.65%	325	18.21%	538	30.14%	1,785
2001	710	36.49%	265	13.62%	971	49.90%	1,946
2002	774	45.77%	365	21.58%	552	32.64%	1,691
2003	694	43.13%	362	22.50%	553	34.37%	1,609
2004	619	44.66%	337	24.31%	430	31.02%	1,386
2005							



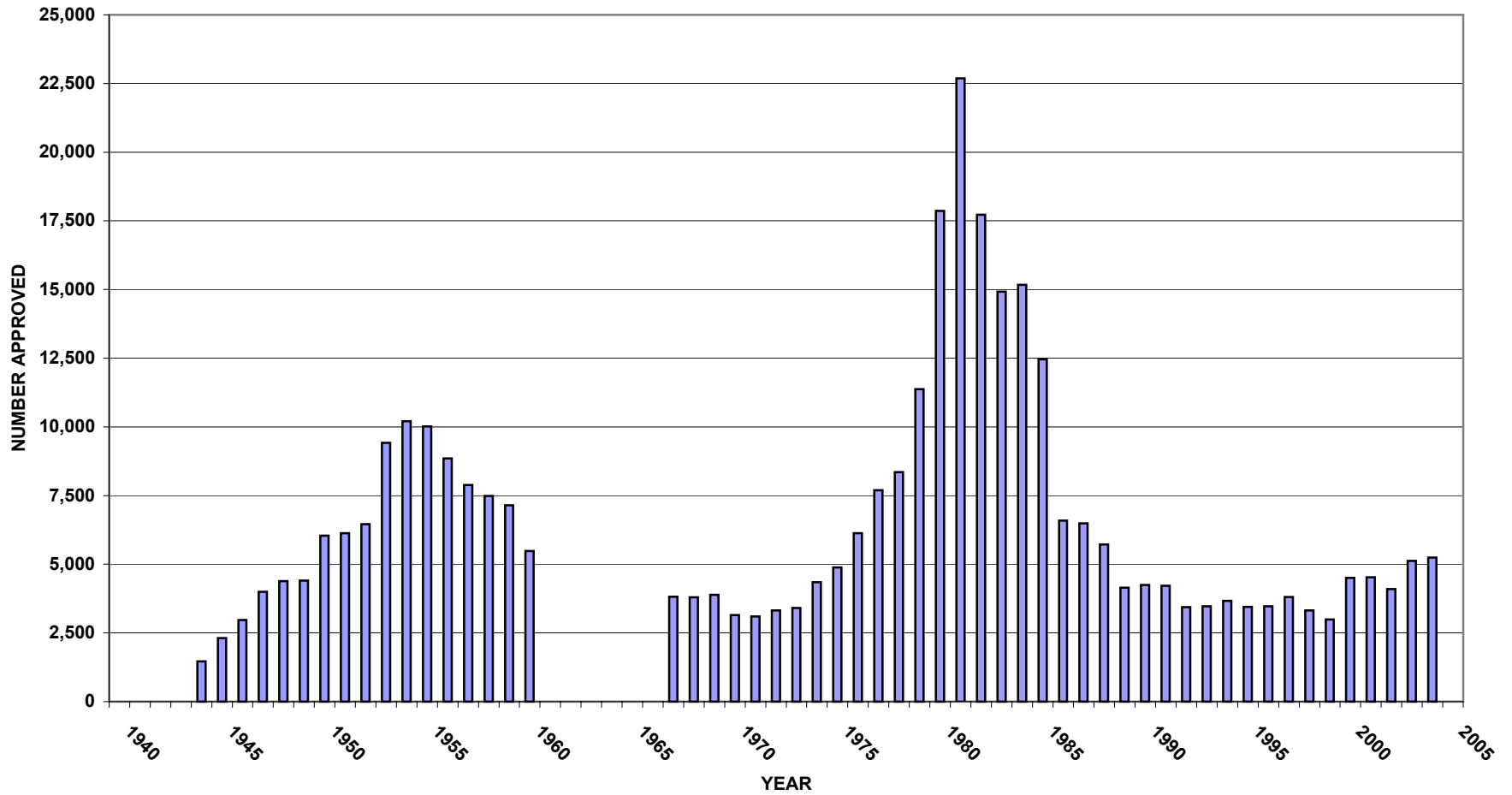
OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

PLUGGING & ABANDONMENTS  
FOR THE YEARS OF 1970 TO 2004

YEAR	FORMER OIL WELLS	PERCENT OF TOTAL	FORMER GAS WELLS	PERCENT OF TOTAL	DRY HOLES	PERCENT OF TOTAL	TOTAL P&A WELLS
TOTAL	48,820	46.35%	12,250	11.63%	44,256	42.02%	105,326

Source: Oklahoma Corporation Commission

# INTENTS TO DRILL (1940 - 2004)



Source: Oklahoma Corporation Commission

OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

APPROVED INTENT TO DRILL APPLICATIONS BY MONTH  
FOR THE YEARS 1940 TO 2004

YEAR	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL	AVG. PER MONTH
1940														
1941														
1942														
1943														
1944					161	162	230	160	239	248	137	131	1,468	184
1945	205	149	197	176	197	225	180	188	209	214	203	174	2,317	193
1946	117	128	236	167	215	257	207	332	314	321	367	309	2,970	248
1947	279	276	303	430	268	372	388	281	367	306	408	316	3,994	333
1948	320	231	326	331	431	458	349	510	220	445	417	343	4,381	365
1949	238	232	325	350	396	393	416	353	402	397	436	469	4,407	367
1950	535	385	514	505	549	575	510	491	483	535	507	454	6,043	504
1951	483	355	507	547	566	483	557	522	530	531	543	504	6,128	511
1952	557	447	589	546	505	535	545	462	527	535	566	646	6,460	538
1953	703	629	714	839	744	757	772	767	872	900	814	911	9,422	785
1954	861	911	1011	945	849	952	788	737	779	795	812	765	10,205	850
1955	756	782	945	885	735	873	904	792	810	857	889	787	10,015	835
1956	660	787	919	783	822	831	640	682	687	674	716	648	8,849	737
1957	743	598	721	596	578	597	760	688	646	690	644	624	7,885	657
1958	599	562	522	624	558	701	608	634	701	660	679	640	7,488	624
1959	550	561	794	725	635	603	599	550	612	489	500	530	7,148	596
1960	326	438	475	492	491	501	376	489	487	449	559	402	5,485	457
1961														
1962														
1963														
1964														
1965														
1966														
1967	310	247	332	332	330	312	273	341	283	346	385	331	3,822	319
1968	331	245	256	346	261	289	343	302	278	383	392	367	3,793	316
1969	273	282	251	364	362	366	328	336	358	344	286	340	3,890	324
1970	182	203	249	283	328	281	288	226	243	262	327	280	3,152	263
1971	173	195	272	273	242	283	246	300	267	275	279	293	3,098	258
1972	227	199	350	226	287	283	227	299	264	335	294	327	3,318	277
1973	263	183	240	215	275	275	324	369	288	344	326	305	3,407	284
1974	415	305	306	322	368	373	379	368	365	371	284	488	4,344	362
1975	391	257	321	390	371	383	418	392	395	537	450	575	4,880	407
1976	382	437	481	461	425	518	505	564	587	607	548	618	6,133	511
1977	437	580	607	606	645	652	648	731	676	686	678	754	7,700	642
1978	552	503	604	623	683	683	726	753	711	813	761	946	8,358	697
1979	648	532	714	733	806	926	856	1132	952	1516	1193	1369	11,377	948
1980	1240	1286	1357	1176	1390	1448	1669	1378	1871	1513	1656	1877	17,861	1,488
1981	2034	1804	1945	2053	1880	1797	1939	1617	1945	1945	1567	2159	22,685	1,890
1982	1653	1947	1871	1521	1417	1415	1290	1226	1144	1394	1325	1517	17,720	1,477
1983	1318	838	1264	922	1083	1195	1087	1556	1276	1397	1434	1549	14,919	1,243
1984	1049	1178	1282	1130	1211	1197	1361	1375	1225	1461	1344	1361	15,174	1,265
1985	1015	824	934	1046	1046	1000	1149	1206	953	1123	1010	1152	12,458	1,038
1986	804	716	619	489	391	376	464	513	535	512	506	660	6,585	549
1987	456	415	507	496	519	531	566	688	592	592	511	625	6,492	541
1988	408	426	615	678	710	486	330	472	425	374	312	486	5,722	477
1989	305	242	366	340	345	323	384	362	334	425	327	393	4,146	346
1990	324	317	286	321	317	326	378	439	317	422	407	390	4,244	354
1991	423	352	309	339	458	320	352	263	361	427	301	309	4,214	351
1992	182	258	260	329	232	278	316	302	275	330	267	414	3,443	287
1993	192	247	331	329	220	246	365	304	298	281	298	353	3,464	289

OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

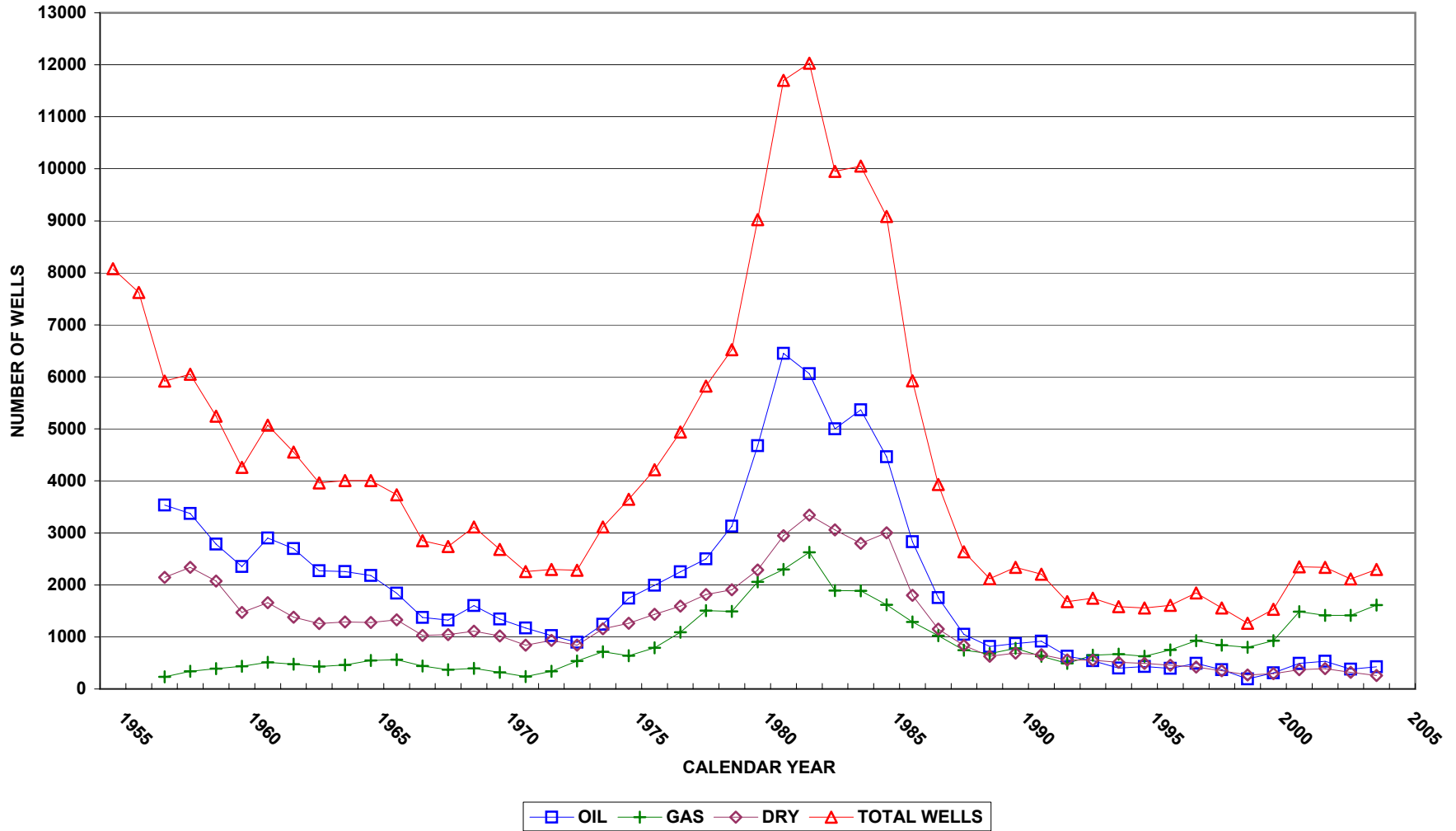
APPROVED INTENT TO DRILL APPLICATIONS BY MONTH  
FOR THE YEARS 1940 TO 2004

YEAR	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL	AVG. PER MONTH
1994	361	239	259	211	249	271	322	478	367	258	410	247	3,672	306
1995	278	230	274	202	321	317	331	297	247	309	341	302	3,449	287
1996	257	259	301	294	325	238	253	332	283	311	285	329	3,467	289
1997	369	309	237	337	293	397	374	283	306	237	258	411	3,811	318
1998	295	235	305	247	223	305	317	275	238	363	239	273	3,315	276
1999	223	199	246	245	204	297	222	252	219	280	351	251	2,989	249
2000	217	310	351	329	350	420	315	502	445	465	396	401	4,501	375
2001	414	408	441	456	444	428	425	449	302	283	264	214	4,528	377
2002	296	227	314	373	362	380	352	362	345	389	329	370	4,099	342
2003	364	365	453	430	479	492	485	395	432	466	366	392	5,119	427
2004	388	339	428	441	467	468	433	494	496	484	439	370	5,247	437
2005														
TOTAL	27,381	25,609	29,636	28,849	28,858	29,688	29,639	30,411	29,538	31,658	30,206	32,320	353,793	

**NOTE:** Data for the months during the years of 1961 through 1966 were not collected is not available.

Source: Oklahoma Corporation Commission

# TOTAL WELL COMPLETIONS (1955 - 2004)



Source: Oklahoma Corporation Commission

OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

TOTAL WELL COMPLETIONS  
FOR THE YEARS 1904 TO 2004

YEAR	OIL WELLS	GAS WELLS	DRY HOLES	TOTAL WELLS	PERCENTAGE OIL WELLS	PERCENTAGE GAS WELLS	PERCENTAGE DRY HOLES	SUCCESS RATIO	TOTAL FOOTAGE DRILLED	AVERAGE DEPTH DRILLED
1904				361						
1905				2,510						
1906				2,779						
1907				3,956						
1908				2,844						
1909				3,279						
1910				4,370						
1911				4,445						
1912				5,982						
1913				9,131						
1914				8,297						
1915				4,603						
1916				7,700						
1917				6,676						
1918				8,376						
1919				8,196						
1920				9,097						
1921				5,714						
1922				6,148						
1923				5,833						
1924				4,814						
1925				4,978						
1926				5,352						
1927				4,513						
1928				3,679						
1929				3,613						
1930				3,466						
1931				1,058						
1932				1,130						
1933				1,093						
1934				1,717						

OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

TOTAL WELL COMPLETIONS  
FOR THE YEARS 1904 TO 2004

YEAR	OIL WELLS	GAS WELLS	DRY HOLES	TOTAL WELLS	PERCENTAGE OIL WELLS	PERCENTAGE GAS WELLS	PERCENTAGE DRY HOLES	SUCCESS RATIO	TOTAL FOOTAGE DRILLED	AVERAGE DEPTH DRILLED
1935				2,010						
1936				2,565						
1937				2,672						
1938				1,691						
1939				1,799						
1940				1,844						
1941				1,821						
1942				1,159						
1943				1,184						
1944				1,890						
1945				2,509						
1946				2,996						
1947				3,823						
1948				4,263						
1949				4,308						
1950				5,365						
1951				5,449						
1952				5,628						
1953				7,460						
1954				8,458						
1955				8,078						
1956				7,622						
1957	3,536	234	2,148	5,918	59.75%	3.95%	36.30%	63.70%	19,419,287	3,281
1958	3,373	340	2,336	6,049	55.76%	5.62%	38.62%	61.38%	21,963,621	3,631
1959	2,783	392	2,072	5,247	53.04%	7.47%	39.49%	60.51%	19,137,906	3,647
1960	2,356	434	1,472	4,262	55.28%	10.18%	34.54%	65.46%	16,971,324	3,982
1961	2,899	514	1,657	5,070	57.18%	10.14%	32.68%	67.32%	19,135,681	3,774
1962	2,700	477	1,379	4,556	59.26%	10.47%	30.27%	69.73%	19,733,719	4,331
1963	2,273	430	1,260	3,963	57.36%	10.85%	31.79%	68.21%	17,011,729	4,293
1964	2,256	464	1,286	4,006	56.32%	11.58%	32.10%	67.90%	18,388,824	4,590
1965	2,183	549	1,277	4,009	54.45%	13.69%	31.85%	68.15%	20,030,659	4,996

OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

TOTAL WELL COMPLETIONS  
FOR THE YEARS 1904 TO 2004

YEAR	OIL WELLS	GAS WELLS	DRY HOLES	TOTAL WELLS	PERCENTAGE OIL WELLS	PERCENTAGE GAS WELLS	PERCENTAGE DRY HOLES	SUCCESS RATIO	TOTAL FOOTAGE DRILLED	AVERAGE DEPTH DRILLED
1966	1,843	561	1,329	3,733	49.37%	15.03%	35.60%	64.40%	18,099,202	4,848
1967	1,377	443	1,032	2,852	48.28%	15.53%	36.19%	63.81%	14,207,922	4,982
1968	1,323	370	1,047	2,740	48.28%	13.50%	38.21%	61.79%	13,683,447	4,994
1969	1,604	397	1,112	3,113	51.53%	12.75%	35.72%	64.28%	16,918,492	5,435
1970	1,343	321	1,021	2,685	50.02%	11.96%	38.03%	61.97%	13,701,500	5,103
1971	1,174	238	843	2,255	52.06%	10.55%	37.38%	62.62%	11,402,557	5,057
1972	1,025	341	934	2,300	44.57%	14.83%	40.61%	59.39%	12,154,518	5,285
1973	898	539	844	2,281	39.37%	23.63%	37.00%	63.00%	12,461,946	5,463
1974	1,244	717	1,154	3,115	39.94%	23.02%	37.05%	62.95%	17,291,165	5,551
1975	1,743	638	1,265	3,646	47.81%	17.50%	34.70%	65.30%	18,264,887	5,010
1976	1,991	790	1,435	4,216	47.22%	18.74%	34.04%	65.96%	22,034,456	5,226
1977	2,253	1,092	1,594	4,939	45.62%	22.11%	32.27%	67.73%	24,297,117	4,919
1978	2,499	1,507	1,816	5,822	42.92%	25.88%	31.19%	68.81%	29,862,269	5,129
1979	3,128	1,491	1,905	6,524	47.95%	22.85%	29.20%	70.80%	32,341,251	4,957
1980	4,678	2,061	2,286	9,025	51.83%	22.84%	25.33%	74.67%	41,902,441	4,643
1981	6,453	2,299	2,947	11,699	55.16%	19.65%	25.19%	74.81%	54,796,899	4,684
1982	6,061	2,625	3,344	12,030	50.38%	21.82%	27.80%	72.20%	62,693,790	5,211
1983	5,003	1,891	3,056	9,950	50.28%	19.01%	30.71%	69.29%	48,094,007	4,834
1984	5,366	1,887	2,800	10,053	53.38%	18.77%	27.85%	72.15%	47,019,045	4,677
1985	4,465	1,620	3,001	9,086	49.14%	17.83%	33.03%	66.97%	42,933,219	4,725
1986	2,831	1,290	1,803	5,924	47.79%	21.78%	30.44%	69.56%	19,941,095	3,366
1987	1,756	1,026	1,150	3,932	44.66%	26.09%	29.25%	70.75%	19,649,218	4,997
1988	1,049	747	839	2,635	39.81%	28.35%	31.84%	68.16%	15,096,807	5,729
1989	815	679	628	2,122	38.41%	32.00%	29.59%	70.41%	12,014,959	5,662
1990	870	780	690	2,340	37.18%	33.33%	29.49%	70.51%	14,640,807	6,257
1991	917	631	658	2,206	41.57%	28.60%	29.83%	70.17%	12,370,831	5,608
1992	628	491	559	1,678	37.43%	29.26%	33.31%	66.69%	9,171,160	5,466
1993	541	651	551	1,743	31.04%	37.35%	31.61%	68.39%	10,902,374	6,255
1994	401	671	510	1,582	25.35%	42.41%	32.24%	67.76%	10,016,809	6,332
1995	432	630	493	1,555	27.78%	40.51%	31.70%	68.30%	10,047,493	6,461
1996	395	753	459	1,607	24.58%	46.86%	28.56%	71.44%	10,426,013	6,488



OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

TOTAL WELL COMPLETIONS  
FOR THE YEARS 1904 TO 2004

YEAR	OIL WELLS	GAS WELLS	DRY HOLES	TOTAL WELLS	PERCENTAGE OIL WELLS	PERCENTAGE GAS WELLS	PERCENTAGE DRY HOLES	SUCCESS RATIO	TOTAL FOOTAGE DRILLED	AVERAGE DEPTH DRILLED
1997	492	929	423	1,844	26.68%	50.38%	22.94%	77.06%	12,180,882	6,606
1998	368	840	350	1,558	23.62%	53.92%	22.46%	77.54%	10,781,887	6,920
1999	193	800	271	1,264	15.27%	63.29%	21.44%	78.56%	7,855,072	6,214
2000	311	927	293	1,531	20.31%	60.55%	19.14%	80.86%	9,991,529	6,526
2001	491	1487	370	2,348	20.91%	63.33%	15.76%	84.24%	15,312,120	6,521
2002	535	1415	389	2,339	22.87%	60.50%	16.63%	83.37%	11,410,195	4,878
2003	379	1417	321	2,117	17.90%	66.93%	15.16%	84.84%	14,011,353	6,618
2004	426	1615	258	2,299	18.53%	70.25%	11.22%	88.78%	15,461,540	6,725
2005										
TOTAL	93,660	43,441	60,667	197,768 (1957-2004) 428,072 (All Years)	47.36%	21.97%	30.68%	69.32%	967,235,024	5,227

**NOTE:** Data for the number of individual Oil, Gas and/or Dry Wells completed for the years 1904 through 1956 were not collected.

Source: Oklahoma Corporation Commission

OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

SUMMARY OF ACTIVE PRODUCING LEASES\* BY COUNTY  
ENDING DECEMBER, 2004

COUNTY	TOTAL NUMBER OF PRODUCING LEASES	TOTAL NUMBER OF LEASES	PERCENTAGE ACTIVE LEASES
ADAIR	0	0	0.00000%
ALFALFA	484	1,446	33.47165%
ATOKA	33	60	55.00000%
BEAVER	2,551	5,217	48.89783%
BECKHAM	639	1,168	54.70890%
BLAINE	1,061	2,114	50.18921%
BRYAN	43	110	39.09091%
CADDO	1,175	2,568	45.75545%
CANADIAN	1,640	3,194	51.34627%
CARTER	1,198	3,470	34.52450%
CHEROKEE	0	0	0.00000%
CHOCTAW	0	0	0.00000%
CIMARRON	157	621	25.28180%
CLEVELAND	256	1,072	23.88060%
COAL	224	480	46.66667%
COMANCHE	181	650	27.84615%
COTTON	113	520	21.73077%
CRAIG	73	156	46.79487%
CREEK	1,349	5,849	23.06377%
CUSTER	1,146	1,593	71.93974%
DELAWARE	0	0	0.00000%
DEWEY	976	2,283	42.75077%
ELLIS	958	1,816	52.75330%
GARFIELD	1,391	3,990	34.86216%
GARVIN	1,604	4,776	33.58459%
GRADY	1,664	3,421	48.64075%
GRANT	419	1,621	25.84824%
GREER	57	224	25.44643%
HARMON	2	14	14.28571%
HARPER	1,029	2,095	49.11695%
HASKELL	1,373	1,708	80.38642%
HUGHES	1,005	3,576	28.10403%
JACKSON	28	122	22.95082%
JEFFERSON	87	427	20.37471%
JOHNSTON	2	9	22.22222%
KAY	379	2,363	16.03893%
KINGFISHER	1,829	4,815	37.98546%
KIOWA	83	417	19.90408%
LATIMER	1,154	1,501	76.88208%
LEFLORE	1,008	1,347	74.83296%
LINCOLN	876	3,624	24.17219%
LOGAN	848	3,394	24.98527%
LOVE	245	748	32.75401%
MCCLAIN	793	2,052	38.64522%
MCCURTAIN	0	5	0.00000%

**OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT**

**SUMMARY OF ACTIVE PRODUCING LEASES\* BY COUNTY  
ENDING DECEMBER, 2004**

COUNTY	TOTAL NUMBER OF PRODUCING LEASES	TOTAL NUMBER OF LEASES	PERCENTAGE ACTIVE LEASES
MCINTOSH	434	846	51.30024%
MAJOR	2,272	4,759	47.74112%
MARSHALL	205	385	53.24675%
MAYES	13	58	22.41379%
MURRAY	37	194	19.07216%
MUSKOGEE	176	1,133	15.53398%
NOBLE	641	2,562	25.01952%
NOWATA	707	1,932	36.59420%
OKFUSKEE	543	3,145	17.26550%
OKLAHOMA	614	3,152	19.47970%
OKMULGEE	792	4,878	16.23616%
OSAGE	1,364	3,452	39.51333%
OTTAWA	0	0	0.00000%
PAWNEE	355	1,805	19.66759%
PAYNE	514	2,825	18.19469%
PITTSBURG	2,177	2,734	79.62692%
PONTOTOC	661	2,724	24.26579%
POTTAWATOMIE	662	3,192	20.73935%
PUSHMATAHA	22	27	81.48148%
ROGER MILLS	1,610	2,107	76.41196%
ROGERS	255	980	26.02041%
SEMINOLE	979	4,914	19.92267%
SEQUOYAH	149	237	62.86920%
STEPHENS	1,561	4,139	37.71442%
TEXAS	2,613	4,220	61.91943%
TILLMAN	23	171	13.45029%
TULSA	367	2,165	16.95150%
WAGONER	58	1,023	5.66960%
WASHINGTON	787	2,065	38.11138%
WASHITA	581	871	66.70494%
WOODS	983	1,754	56.04333%
WOODWARD	1,066	1,935	55.09044%
TOTAL	53,354	143,020	37.30527%

\* A LEASE MAY ONLY HAVE 1 WELL OR MULTIPLE WELLS DEPENDING ON THE SIZE OF THE LEASE.

Source: IHS Energy

OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

SUMMARY OF ACTIVE PRODUCING LEASES\* BY COUNTY  
ENDING DECEMBER, 2003

COUNTY	TOTAL NUMBER OF PRODUCING LEASES	TOTAL NUMBER OF LEASES	PERCENTAGE ACTIVE LEASES
ADAIR	0	0	0.00000%
ALFALFA	489	1,439	33.98193%
ATOKA	29	54	53.70370%
BEAVER	2,500	5,128	48.75195%
BECKHAM	613	1,108	55.32491%
BLAINE	1,037	2,052	50.53606%
BRYAN	41	108	37.96296%
CADDO	1,103	2,478	44.51170%
CANADIAN	1,614	3,125	51.64800%
CARTER	1,200	3,453	34.75239%
CHEROKEE	0	0	0.00000%
CHOCTAW	0	0	0.00000%
CIMARRON	158	614	25.73290%
CLEVELAND	265	1,065	24.88263%
COAL	221	467	47.32334%
COMANCHE	175	649	26.96456%
COTTON	105	517	20.30948%
CRAIG	64	142	45.07042%
CREEK	1,356	5,837	23.23111%
CUSTER	1,107	1,526	72.54260%
DELAWARE	0	0	0.00000%
DEWEY	947	2,232	42.42832%
ELLIS	913	1,743	52.38095%
GARFIELD	1,387	3,973	34.91065%
GARVIN	1,595	4,708	33.87850%
GRADY	1,624	3,321	48.90093%
GRANT	407	1,596	25.50125%
GREER	59	224	26.33929%
HARMON	2	14	14.28571%
HARPER	1,004	2,056	48.83268%
HASKELL	1,197	1,526	78.44037%
HUGHES	983	3,530	27.84703%
JACKSON	29	122	23.77049%
JEFFERSON	87	427	20.37471%
JOHNSTON	3	9	33.33333%
KAY	408	2,344	17.40614%
KINGFISHER	1,843	4,782	38.54036%
KIOWA	89	412	21.60194%
LATIMER	1,097	1,433	76.55269%
LEFLORE	933	1,270	73.46457%
LINCOLN	879	3,598	24.43024%
LOGAN	835	3,339	25.00749%
LOVE	263	740	35.54054%
MCCLAIN	787	2,022	38.92186%
MCCURTAIN	0	5	0.00000%
MCINTOSH	405	801	50.56180%
MAJOR	2,228	4,644	47.97588%
MARSHALL	200	379	52.77045%
MAYES	11	58	18.96552%
MURRAY	33	191	17.27749%
MUSKOGEE	174	1,125	15.46667%

**OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT**

**SUMMARY OF ACTIVE PRODUCING LEASES\* BY COUNTY  
ENDING DECEMBER, 2003**

COUNTY	TOTAL NUMBER OF PRODUCING LEASES	TOTAL NUMBER OF LEASES	PERCENTAGE ACTIVE LEASES
NOBLE	610	2,520	24.20635%
NOWATA	635	1,815	34.98623%
OKFUSKEE	534	3,129	17.06616%
OKLAHOMA	626	3,135	19.96810%
OKMULGEE	825	4,861	16.97182%
OSAGE	1,321	3,377	39.11756%
OTTAWA	0	0	0.00000%
PAWNEE	347	1,804	19.23503%
PAYNE	509	2,810	18.11388%
PITTSBURG	1,966	2,482	79.21031%
PONTOTOC	661	2,719	24.31041%
POTTAWATOMIE	636	3,156	20.15209%
PUSHMATAHA	18	25	72.00000%
ROGER MILLS	1,470	1,950	75.38462%
ROGERS	203	923	21.99350%
SEMINOLE	951	4,890	19.44785%
SEQUOYAH	144	234	61.53846%
STEPHENS	1,521	4,068	37.38938%
TEXAS	2,545	4,096	62.13379%
TILLMAN	25	171	14.61988%
TULSA	371	2,160	17.17593%
WAGONER	58	1,021	5.68071%
WASHINGTON	705	1,967	35.84138%
WASHITA	530	812	65.27094%
WOODS	918	1,675	54.80597%
WOODWARD	983	1,801	54.58079%
TOTAL	51,611	139,987	36.86842%

\* A LEASE MAY ONLY HAVE 1 WELL OR MULTIPLE WELLS DEPENDING ON THE SIZE OF THE LEASE.

Source: IHS Energy

OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

SUMMARY OF ACTIVE PRODUCING LEASES\* BY COUNTY  
ENDING DECEMBER, 2002

COUNTY	TOTAL NUMBER OF PRODUCING LEASES	TOTAL NUMBER OF LEASES	PERCENTAGE ACTIVE LEASES
ADAIR	0	0	0.00000%
ALFALFA	497	1,435	34.63415%
ATOKA	30	54	55.55556%
BEAVER	2,481	5,042	49.20666%
BECKHAM	560	1,037	54.00193%
BLAINE	1,017	2,000	50.85000%
BRYAN	36	104	34.61538%
CADDO	1,072	2,417	44.35250%
CANADIAN	1,617	3,073	52.61959%
CARTER	1,190	3,434	34.65347%
CHEROKEE	0	0	0.00000%
CHOCTAW	0	0	0.00000%
CIMARRON	162	611	26.51391%
CLEVELAND	273	1,063	25.68203%
COAL	214	469	45.62900%
COMANCHE	167	640	26.09375%
COTTON	112	516	21.70543%
CRAIG	52	126	41.26984%
CREEK	1,363	5,828	23.38710%
CUSTER	1,064	1,463	72.72727%
DELAWARE	0	0	0.00000%
DEWEY	933	2,172	42.95580%
ELLIS	867	1,679	51.63788%
GARFIELD	1,398	3,967	35.24074%
GARVIN	1,529	4,644	32.92420%
GRADY	1,591	3,258	48.83364%
GRANT	384	1,570	24.45860%
GREER	59	225	26.22222%
HARMON	3	14	21.42857%
HARPER	1,001	2,015	49.67742%
HASKELL	1,024	1,353	75.68367%
HUGHES	964	3,510	27.46439%
JACKSON	28	121	23.14050%
JEFFERSON	81	425	19.05882%
JOHNSTON	4	9	44.44444%
KAY	397	2,341	16.95856%
KINGFISHER	1,856	4,757	39.01619%
KIOWA	86	412	20.87379%
LATIMER	1,052	1,373	76.62054%
LEFLORE	765	1,098	69.67213%
LINCOLN	866	3,582	24.17644%
LOGAN	806	3,285	24.53577%
LOVE	268	737	36.36364%
MCCLAIN	810	2,007	40.35874%
MCCURTAIN	0	5	0.00000%
MCINTOSH	395	781	50.57618%
MAJOR	2,252	4,583	49.13812%
MARSHALL	191	350	54.57143%
MAYES	11	58	18.96552%
MURRAY	36	193	18.65285%
MUSKOGEE	173	1,125	15.37778%
NOBLE	559	2,467	22.65910%
NOWATA	520	1,668	31.17506%
OKFUSKEE	531	3,116	17.04108%
OKLAHOMA	629	3,123	20.14089%
OKMULGEE	823	4,850	16.96907%

OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

SUMMARY OF ACTIVE PRODUCING LEASES\* BY COUNTY  
ENDING DECEMBER, 2002

COUNTY	TOTAL NUMBER OF PRODUCING LEASES	TOTAL NUMBER OF LEASES	PERCENTAGE ACTIVE LEASES
OSAGE	1,127	2,996	37.61682%
OTTAWA	0	0	0.00000%
PAWNEE	361	1,802	20.03330%
PAYNE	511	2,795	18.28265%
PITTSBURG	1,827	2,318	78.81795%
PONTOTOC	652	2,710	24.05904%
POTTAWATOMIE	646	3,141	20.56670%
PUSHMATAHA	18	25	72.00000%
ROGER MILLS	1,389	1,845	75.28455%
ROGERS	163	872	18.69266%
SEMINOLE	926	4,890	18.93661%
SEQUOYAH	157	236	66.52542%
STEPHENS	1,501	4,021	37.32902%
TEXAS	2,527	3,994	63.26990%
TILLMAN	26	169	15.38462%
TULSA	358	2,143	16.70555%
WAGONER	52	1,020	5.09804%
WASHINGTON	598	1,854	32.25458%
WASHITA	510	771	66.14786%
WOODS	880	1,613	54.55673%
WOODWARD	881	1,697	51.91514%
TOTAL	49,909	137,097	36.40415%

\* A LEASE MAY ONLY HAVE 1 WELL OR MULTIPLE WELLS DEPENDING ON THE SIZE OF THE LEASE.

Source: IHS Energy

OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

SUMMARY OF ACTIVE PRODUCING LEASES\* BY COUNTY  
ENDING DECEMBER, 2001

COUNTY	TOTAL NUMBER OF PRODUCING LEASES	TOTAL NUMBER OF LEASES	PERCENTAGE ACTIVE LEASES
ADAIR	0	0	0.00000%
ALFALFA	541	1,427	37.91170%
ATOKA	30	54	55.55556%
BEAVER	2,488	4,944	50.32362%
BECKHAM	530	991	53.48133%
BLAINE	1,041	1,965	52.97710%
BRYAN	39	99	39.39394%
CADDO	1,089	2,395	45.46973%
CANADIAN	1,637	3,035	53.93740%
CARTER	1,317	3,433	38.36295%
CHEROKEE	0	0	0.00000%
CHOCTAW	0	0	0.00000%
CIMARRON	168	609	27.58621%
CLEVELAND	294	1,059	27.76204%
COAL	203	452	44.91150%
COMANCHE	182	641	28.39314%
COTTON	115	516	22.28682%
CRAIG	9	82	10.97561%
CREEK	1,500	5,851	25.63664%
CUSTER	1,037	1,413	73.38995%
DELAWARE	0	0	0.00000%
DEWEY	923	2,133	43.27239%
ELLIS	868	1,640	52.92683%
GARFIELD	1,489	3,944	37.75355%
GARVIN	1,632	4,622	35.30939%
GRADY	1,678	3,206	52.33936%
GRANT	433	1,536	28.19010%
GREER	58	225	25.77778%
HARMON	3	14	21.42857%
HARPER	1,003	1,990	50.40201%
HASKELL	933	1,249	74.69976%
HUGHES	958	3,500	27.37143%
JACKSON	43	122	35.24590%
JEFFERSON	87	423	20.56738%
JOHNSTON	3	8	37.50000%
KAY	421	2,345	17.95309%
KINGFISHER	1,979	4,736	41.78632%
KIOWA	85	411	20.68127%
LATIMER	1,038	1,328	78.16265%
LEFLORE	699	1,017	68.73156%
LINCOLN	907	3,555	25.51336%
LOGAN	882	3,243	27.19704%
LOVE	282	731	38.57729%
MCCLAIN	861	1,996	43.13627%
MCCURTAIN	0	5	0.00000%
MCINTOSH	353	749	47.12951%
MAJOR	2,330	4,516	51.59433%
MARSHALL	192	347	55.33141%
MAYES	10	58	17.24138%
MURRAY	44	192	22.91667%
MUSKOGEE	199	1,128	17.64184%
NOBLE	638	2,452	26.01958%
NOWATA	417	1,564	26.66240%
OKFUSKEE	562	3,108	18.08237%
OKLAHOMA	786	3,124	25.16005%
OKMULGEE	875	4,844	18.06358%



OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

SUMMARY OF ACTIVE PRODUCING LEASES\* BY COUNTY  
ENDING DECEMBER, 2001

COUNTY	TOTAL NUMBER OF PRODUCING LEASES	TOTAL NUMBER OF LEASES	PERCENTAGE ACTIVE LEASES
OSAGE	1,150	2,971	38.70751%
OTTAWA	0	0	0.00000%
PAWNEE	373	1,803	20.68774%
PAYNE	595	2,789	21.33381%
PITTSBURG	1,713	2,191	78.18348%
PONTOTOC	688	2,709	25.39683%
POTTAWATOMIE	688	3,139	21.91781%
PUSHMATAHA	18	24	75.00000%
ROGER MILLS	1,330	1,759	75.61114%
ROGERS	146	850	17.17647%
SEMINOLE	1,018	4,882	20.85211%
SEQUOYAH	154	227	67.84141%
STEPHENS	1,605	4,008	40.04491%
TEXAS	2,588	3,893	66.47829%
TILLMAN	24	166	14.45783%
TULSA	369	2,146	17.19478%
WAGONER	62	1,022	6.06654%
WASHINGTON	582	1,797	32.38731%
WASHITA	489	742	65.90296%
WOODS	861	1,560	55.19231%
WOODWARD	834	1,629	51.19705%
TOTAL	51,178	135,334	37.81607%

\* A LEASE MAY ONLY HAVE 1 WELL OR MULTIPLE WELLS DEPENDING ON THE SIZE OF THE LEASE.

Source: IHS Energy

OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

SUMMARY OF ACTIVE PRODUCING LEASES\* BY COUNTY  
ENDING DECEMBER, 2000

COUNTY	TOTAL NUMBER OF PRODUCING LEASES	TOTAL NUMBER OF LEASES	PERCENTAGE ACTIVE LEASES
ADAIR	0	0	0.00000%
ALFALFA	542	1,447	37.45681%
ATOKA	29	51	56.86275%
BEAVER	2,479	4,874	50.86172%
BECKHAM	501	952	52.62605%
BLAINE	1,063	1,980	53.68687%
BRYAN	34	93	36.55914%
CADDO	1,161	2,365	49.09091%
CANADIAN	1,676	3,009	55.69957%
CARTER	1,349	3,406	39.60658%
CHEROKEE	0	0	0.00000%
CHOCTAW	0	0	0.00000%
CIMARRON	181	619	29.24071%
CLEVELAND	312	1,060	29.43396%
COAL	202	445	45.39326%
COMANCHE	204	643	31.72628%
COTTON	121	519	23.31407%
CRAIG	9	89	10.11236%
CREEK	1,534	5,856	26.19536%
CUSTER	1,006	1,380	72.89855%
DELAWARE	0	0	0.00000%
DEWEY	943	2,152	43.81970%
ELLIS	857	1,645	52.09726%
GARFIELD	1,574	3,962	39.72741%
GARVIN	1,656	4,564	36.28396%
GRADY	1,687	3,148	53.58958%
GRANT	443	1,542	28.72892%
GREER	66	224	29.46429%
HARMON	3	14	21.42857%
HARPER	1,015	1,962	51.73293%
HASKELL	801	1,067	75.07029%
HUGHES	1,016	3,454	29.41517%
JACKSON	43	121	35.53719%
JEFFERSON	94	420	22.38095%
JOHNSTON	3	8	37.50000%
KAY	404	2,318	17.42882%
KINGFISHER	2,102	4,806	43.73700%
KIOWA	94	404	23.26733%
LATIMER	971	1,187	81.80286%
LEFLORE	616	938	65.67164%
LINCOLN	908	3,482	26.07697%
LOGAN	932	3,201	29.11590%
LOVE	291	724	40.19337%
MCCLAIN	884	1,975	44.75949%
MCCURTAIN	0	5	0.00000%
MCINTOSH	351	703	49.92888%
MAJOR	2,521	4,546	55.45535%
MARSHALL	196	347	56.48415%
MAYES	16	58	27.58621%
MURRAY	37	193	19.17098%
MUSKOGEE	190	1,127	16.85892%
NOBLE	681	2,399	28.38683%
NOWATA	372	1,463	25.42720%
OKFUSKEE	577	3,069	18.80091%
OKLAHOMA	830	3,110	26.68810%
OKMULGEE	927	4,821	19.22838%

OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

SUMMARY OF ACTIVE PRODUCING LEASES\* BY COUNTY  
ENDING DECEMBER, 2000

COUNTY	TOTAL NUMBER OF PRODUCING LEASES	TOTAL NUMBER OF LEASES	PERCENTAGE ACTIVE LEASES
OSAGE	1,161	2,970	39.09091%
OTTAWA	0	0	0.00000%
PAWNEE	395	1,808	21.84735%
PAYNE	611	2,771	22.04980%
PITTSBURG	1,538	1,945	79.07455%
PONTOTOC	687	2,693	25.51058%
POTTAWATOMIE	676	3,123	21.64585%
PUSHMATAHA	8	14	57.14286%
ROGER MILLS	1,266	1,678	75.44696%
ROGERS	134	818	16.38142%
SEMINOLE	997	4,784	20.84030%
SEQUOYAH	160	220	72.72727%
STEPHENS	1,601	3,895	41.10398%
TEXAS	2,538	3,820	66.43979%
TILLMAN	24	166	14.45783%
TULSA	409	2,124	19.25612%
WAGONER	63	1,006	6.26243%
WASHINGTON	558	1,684	33.13539%
WASHITA	461	707	65.20509%
WOODS	895	1,541	58.07917%
WOODWARD	809	1,566	51.66028%
TOTAL	51,495	133,280	38.63670%

\* A LEASE MAY ONLY HAVE 1 WELL OR MULTIPLE WELLS DEPENDING ON THE SIZE OF THE LEASE.

Source: IHS Energy

OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

SUMMARY OF ACTIVE PRODUCING LEASES\* BY COUNTY  
ENDING DECEMBER, 1999

COUNTY	TOTAL NUMBER OF PRODUCING LEASES	TOTAL NUMBER OF LEASES	PERCENTAGE ACTIVE LEASES
ADAIR	0	0	0.00000%
ALFALFA	565	1376	41.06105%
ATOKA	26	43	60.46512%
BEAVER	2,336	4456	52.42370%
BECKHAM	497	881	56.41317%
BLAINE	1,011	1824	55.42763%
BRYAN	37	89	41.57303%
CADDO	1,046	1992	52.51004%
CANADIAN	1,658	2858	58.01260%
CARTER	1,273	2804	45.39943%
CHEROKEE	0	0	0.00000%
CHOCTAW	0	0	0.00000%
CIMARRON	173	567	30.51146%
CLEVELAND	311	866	35.91224%
COAL	189	377	50.13263%
COMANCHE	178	492	36.17886%
COTTON	119	309	38.51133%
CRAIG	4	82	4.87805%
CREEK	1,539	4115	37.39976%
CUSTER	973	1317	73.88003%
DELAWARE	0	0	0.00000%
DEWEY	878	2015	43.57320%
ELLIS	776	1471	52.75323%
GARFIELD	1,498	3507	42.71457%
GARVIN	1,580	3177	49.73245%
GRADY	1,489	2787	53.42662%
GRANT	404	1258	32.11447%
GREER	55	200	27.50000%
HARMON	4	14	28.57143%
HARPER	983	1867	52.65131%
HASKELL	723	1000	72.30000%
HUGHES	967	2705	35.74861%
JACKSON	31	71	43.66197%
JEFFERSON	89	362	24.58564%
JOHNSTON	1	7	14.28571%
KAY	394	1597	24.67126%
KINGFISHER	2,025	4443	45.57731%
KIOWA	91	273	33.33333%
LATIMER	913	1123	81.30009%
LEFLORE	612	905	67.62431%
LINCOLN	842	2271	37.07618%
LOGAN	891	2538	35.10638%
LOVE	279	673	41.45617%
MCCLAIN	828	1560	53.07692%
MCCURTAIN	0	2	0.00000%
MCINTOSH	336	657	51.14155%
MAJOR	2,344	4295	54.57509%
MARSHALL	196	359	54.59610%
MAYES	13	60	21.66667%
MURRAY	35	140	25.00000%
MUSKOGEE	178	938	18.97655%
NOBLE	639	1872	34.13462%

OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

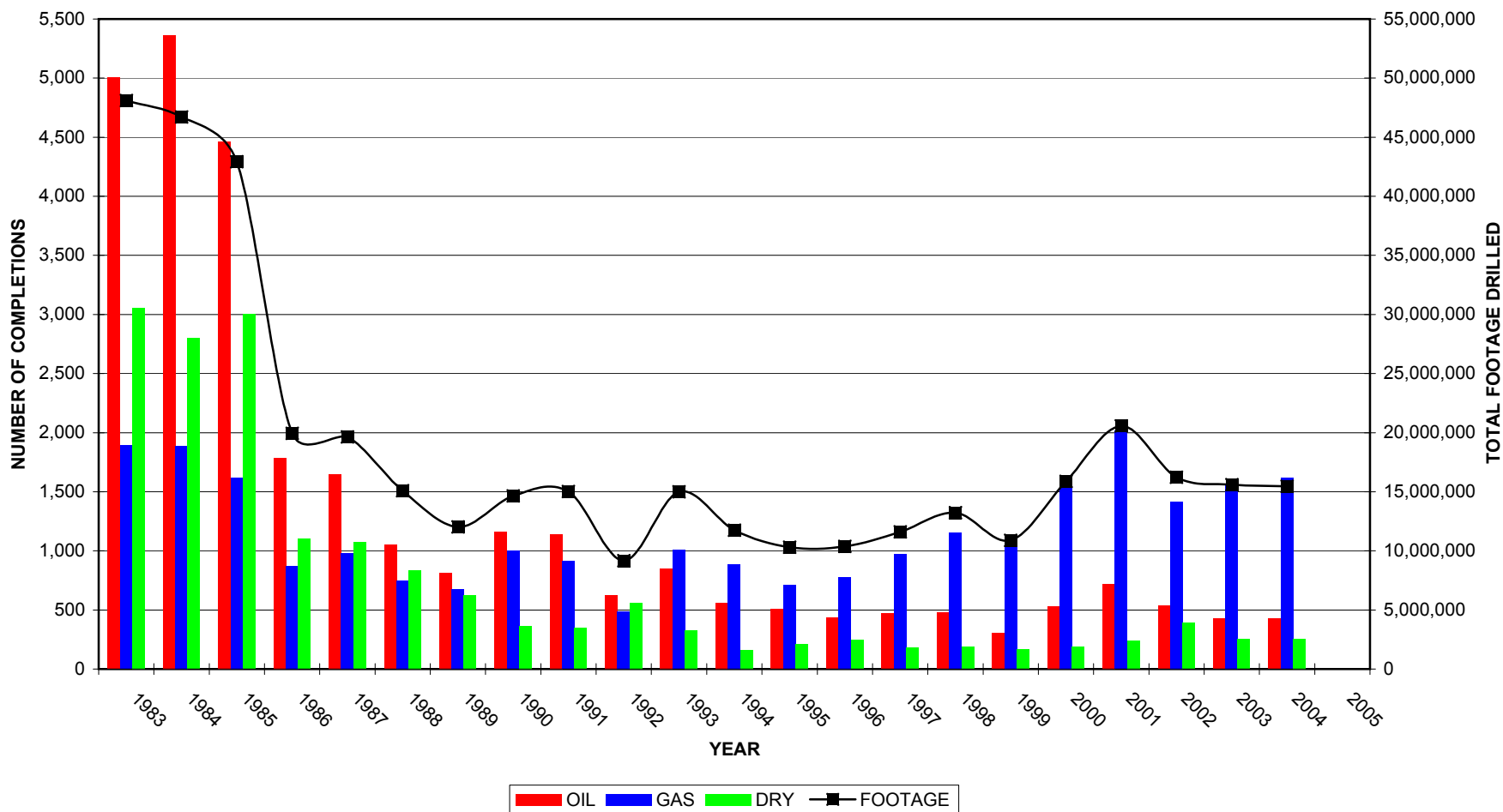
SUMMARY OF ACTIVE PRODUCING LEASES\* BY COUNTY  
ENDING DECEMBER, 1999

COUNTY	TOTAL NUMBER OF PRODUCING LEASES	TOTAL NUMBER OF LEASES	PERCENTAGE ACTIVE LEASES
NOWATA	317	1371	23.12181%
OKFUSKEE	563	1809	31.12217%
OKLAHOMA	685	1714	39.96499%
OKMULGEE	896	3143	28.50780%
OSAGE	1,181	2457	48.06675%
OTTAWA	0	0	0.00000%
PAWNEE	383	1323	28.94936%
PAYNE	628	1944	32.30453%
PITTSBURG	1,435	1818	78.93289%
PONTOTOC	667	1719	38.80163%
POTTAWATOMIE	658	1969	33.41798%
PUSHMATAHA	1	7	14.28571%
ROGER MILLS	1,247	1638	76.12943%
ROGERS	139	782	17.77494%
SEMINOLE	972	2577	37.71828%
SEQUOYAH	141	209	67.46411%
STEPHENS	1,485	2834	52.39944%
TEXAS	2,418	3667	65.93946%
TILLMAN	26	105	24.76190%
TULSA	408	1291	31.60341%
WAGONER	73	729	10.01372%
WASHINGTON	527	1517	34.73962%
WASHITA	414	623	66.45265%
WOODS	833	1422	58.57947%
WOODWARD	742	1399	53.03788%
TOTAL	48,868	106,662	45.81575%

\* A LEASE MAY ONLY HAVE 1 WELL OR MULTIPLE WELLS DEPENDING ON THE SIZE OF THE LEASE.

Source: IHS Energy

## SUMMARY OF COMPLETIONS BY YEAR AND TOTAL FOOTAGE DRILLED (1983 - 2004)



Source: Oklahoma Corporation Commission

OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

ANNUAL SUMMARY OF COMPLETIONS BY COUNTIES  
FOR THE YEAR OF 1983

COUNTY	OIL	GAS	DRY	TOTAL	FOOTAGE	AVERAGE DEPTH	SUCCESS RATIO
ADAIR	0	0	0	0	0	0	0.00%
ALFALFA	25	18	22	65	390,274	6,004	66.15%
ATOKA	3	2	7	12	54,729	4,561	41.67%
BEAVER	50	83	53	186	1,412,169	7,592	71.51%
BECKHAM	2	29	28	59	939,524	15,924	52.54%
BLAINE	29	63	38	130	1,241,729	9,552	70.77%
BRYAN	5	0	6	11	67,616	6,147	45.45%
CADDO	54	71	54	179	2,441,169	13,638	69.83%
CANADIAN	124	51	18	193	1,718,543	8,904	90.67%
CARTER	149	2	44	195	771,758	3,958	77.44%
CHEROKEE	0	2	5	7	5,585	798	28.57%
CHOCTAW	0	0	4	4	21,660	5,415	0.00%
CIMARRON	10	10	16	36	179,327	4,981	55.56%
CLEVELAND	39	7	36	82	635,399	7,749	56.10%
COAL	2	0	9	11	54,832	4,985	18.18%
COMANCHE	36	13	49	98	723,836	7,386	50.00%
COTTON	23	5	32	60	141,050	2,351	46.67%
CRAIG	6	79	22	107	71,153	665	79.44%
CREEK	440	78	177	695	1,841,611	2,650	74.53%
CUSTER	14	79	57	150	2,084,279	13,895	62.00%
DELAWARE	0	0	0	0	0	0	0.00%
DEWEY	88	29	60	177	1,745,385	9,861	66.10%
ELLIS	28	24	32	84	806,980	9,607	61.90%
GARFIELD	91	36	43	170	1,019,864	5,999	74.71%
GARVIN	112	11	78	201	1,002,407	4,987	61.19%
GRADY	45	40	39	124	1,502,298	12,115	68.55%
GRANT	100	18	93	211	1,105,528	5,239	55.92%
GREER	0	0	5	5	13,399	2,680	0.00%
HARMON	9	0	6	15	72,817	4,854	60.00%
HARPER	7	15	39	61	403,753	6,619	36.07%
HASKELL	0	39	20	59	226,864	3,845	66.10%
HUGHES	81	35	71	187	626,786	3,352	62.03%
JACKSON	0	0	11	11	87,987	7,999	0.00%
JEFFERSON	116	0	20	136	780,356	5,738	85.29%
JOHNSTON	0	0	2	2	3,019	1,510	0.00%
KAY	34	23	53	110	311,844	2,835	51.82%
KINGFISHER	136	33	11	180	1,566,436	8,702	93.89%
KIOWA	61	5	32	98	86,026	878	67.35%
LATIMER	0	13	8	21	213,733	10,178	61.90%
LEFLORE	0	9	10	19	129,823	6,833	47.37%
LINCOLN	102	41	70	213	928,267	4,358	67.14%
LOGAN	102	22	69	193	1,104,692	5,724	64.25%
LOVE	33	0	9	42	309,605	7,372	78.57%

MCCLAIN	59	9	30	98	862,512	8,801	69.39%
MCCURTAIN	0	0	2	2	2,700	1,350	0.00%
MCINTOSH	0	23	9	32	67,488	2,109	71.88%
MAJOR	82	32	15	129	1,059,892	8,216	88.37%
MARSHALL	9	0	8	17	49,042	2,885	52.94%
MAYES	40	5	52	97	66,397	685	46.39%
MURRAY	5	0	7	12	52,370	4,364	41.67%
MUSKOGEE	113	54	75	242	465,327	1,923	69.01%
NOBLE	163	8	74	245	1,155,796	4,718	69.80%
NOWATA	226	23	53	302	303,997	1,007	82.45%
OKFUSKEE	64	54	74	192	654,442	3,409	61.46%
OKLAHOMA	69	12	34	115	799,679	6,954	70.43%
OKMULGEE	229	99	103	431	882,495	2,048	76.10%
OSAGE	401	19	147	567	1,175,913	2,074	74.07%
OTTAWA	0	0	1	1	830	830	0.00%
PAWNEE	168	12	70	250	783,665	3,135	72.00%
PAYNE	112	9	62	183	773,743	4,228	66.12%
PITTSBURG	3	63	31	97	555,495	5,727	68.04%
PONTOTOC	165	27	63	255	537,776	2,109	75.29%
POTTAWATOMIE	160	0	110	270	1,283,073	4,752	59.26%
PUSHMATAHA	0	2	0	2	14,077	7,039	100.00%
ROGER MILLS	11	87	42	140	2,008,211	14,344	70.00%
ROGERS	51	29	54	134	110,768	827	59.70%
SEMINOLE	145	17	80	242	769,170	3,178	66.94%
SEQUOYAH	0	2	5	7	29,720	4,246	28.57%
STEPHENS	149	31	62	242	866,891	3,582	74.38%
TEXAS	41	31	48	120	697,587	5,813	60.00%
TILLMAN	4	0	8	12	61,348	5,112	33.33%
TULSA	112	42	61	215	356,148	1,657	71.63%
WAGONER	36	64	46	146	214,353	1,468	68.49%
WASHINGTON	208	48	83	339	395,655	1,167	75.52%
WASHITA	6	47	27	80	1,224,825	15,310	66.25%
WOODS	9	29	26	64	396,368	6,193	59.38%
WOODWARD	7	28	36	71	572,142	8,058	49.30%
TOTAL	5,003	1,891	3,056	9,950	48,094,007	4,834	69.29%
AVG./COUNTY	65	25	40	129	624,597		

Source: Oklahoma Corporation Commission



OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

ANNUAL SUMMARY OF COMPLETIONS BY COUNTIES  
FOR THE YEAR OF 1984

COUNTY	OIL	GAS	DRY	TOTAL	FOOTAGE	AVERAGE DEPTH	SUCCESS RATIO
ADAIR	0	0	0	0	0	0	0.00%
ALFALFA	31	28	26	85	480,793	5,656	69.41%
ATOKA	7	2	9	18	58,378	3,243	50.00%
BEAVER	59	127	70	256	1,938,094	7,571	72.66%
BECKHAM	6	25	15	46	612,850	13,323	67.39%
BLAINE	30	52	25	107	1,026,580	9,594	76.64%
BRYAN	2	0	1	3	23,392	7,797	66.67%
CADDO	38	38	30	106	1,002,632	9,459	71.70%
CANADIAN	115	65	21	201	1,833,520	9,122	89.55%
CARTER	158	15	25	198	780,178	3,940	87.37%
CHEROKEE	0	0	2	2	3,582	1,791	0.00%
CHOCTAW	0	0	1	1	6,903	6,903	0.00%
CIMARRON	11	10	33	54	257,160	4,762	38.89%
CLEVELAND	51	1	47	99	759,449	7,671	52.53%
COAL	2	2	7	11	60,786	5,526	36.36%
COMANCHE	32	6	18	56	172,516	3,081	67.86%
COTTON	48	8	37	93	198,690	2,136	60.22%
CRAIG	2	4	11	17	11,385	670	35.29%
CREEK	406	91	156	653	1,784,528	2,733	76.11%
CUSTER	15	59	35	109	1,426,299	13,085	67.89%
DELAWARE	0	0	0	0	0	0	0.00%
DEWEY	93	50	38	181	1,748,832	9,662	79.01%
ELLIS	38	34	36	108	949,931	8,796	66.67%
GARFIELD	109	87	33	229	1,523,740	6,654	85.59%
GARVIN	153	16	61	230	1,255,113	5,457	73.48%
GRADY	46	38	31	115	1,169,293	10,168	73.04%
GRANT	101	42	85	228	1,262,883	5,539	62.72%
GREER	2	2	9	13	40,877	3,144	30.77%
HARMON	4	0	10	14	78,591	5,614	28.57%
HARPER	8	29	26	63	411,919	6,538	58.73%
HASKELL	0	21	9	30	164,962	5,499	70.00%
HUGHES	92	53	59	204	689,297	3,379	71.08%
JACKSON	4	0	18	22	121,704	5,532	18.18%
JEFFERSON	65	1	17	83	556,214	6,701	79.52%
JOHNSTON	0	0	3	3	15,564	5,188	0.00%
KAY	41	19	52	112	366,655	3,274	53.57%
KINGFISHER	132	25	14	171	1,475,002	8,626	91.81%
KIOWA	89	11	28	128	148,505	1,160	78.13%
LATIMER	0	11	5	16	202,823	12,676	68.75%
LEFLORE	0	5	7	12	83,784	6,982	41.67%
LINCOLN	81	46	96	223	948,975	4,255	56.95%
LOGAN	123	20	82	225	1,239,924	5,511	63.56%

LOVE	36	1	17	54	392,673	7,272	68.52%
MCCLAIN	97	5	37	139	1,264,328	9,096	73.38%
MCCURTAIN	0	0	3	3	3,752	1,251	0.00%
MCINTOSH	2	28	18	48	125,480	2,614	62.50%
MAJOR	104	47	16	167	1,385,121	8,294	90.42%
MARSHALL	8	1	3	12	45,424	3,785	75.00%
MAYES	36	1	22	59	41,132	697	62.71%
MURRAY	7	1	13	21	69,135	3,292	38.10%
MUSKOGEE	94	43	69	206	372,399	1,808	66.50%
NOBLE	195	7	69	271	1,262,305	4,658	74.54%
NOWATA	175	42	46	263	274,793	1,045	82.51%
OKFUSKEE	63	30	67	160	558,170	3,489	58.13%
OKLAHOMA	77	41	37	155	1,046,962	6,755	76.13%
OKMULGEE	240	115	134	489	1,090,158	2,229	72.60%
OSAGE	314	38	111	463	980,514	2,118	76.03%
OTTAWA	0	0	0	0	0	0	0.00%
PAWNEE	219	11	62	292	961,307	3,292	78.77%
PAYNE	87	7	82	176	697,385	3,962	53.41%
PITTSBURG	1	57	18	76	487,029	6,408	76.32%
PONTOTOC	136	17	43	196	435,833	2,224	78.06%
POTTAWATOMIE	195	4	125	324	1,556,155	4,803	61.42%
PUSHMATAHA	0	0	0	0	0	0	0.00%
ROGER MILLS	6	43	29	78	1,047,383	13,428	62.82%
ROGERS	83	19	38	140	130,902	935	72.86%
SEMINOLE	185	21	96	302	960,745	3,181	68.21%
SEQUOYAH	0	2	6	8	35,062	4,383	25.00%
STEPHENS	219	38	60	317	895,036	0	81.07%
TEXAS	43	29	50	122	741,835	6,081	0.00%
TILLMAN	6	1	21	28	115,712	4,133	25.00%
TULSA	140	32	38	210	337,670	1,608	81.90%
WAGONER	43	29	40	112	155,139	1,385	64.29%
WASHINGTON	330	33	71	434	480,742	0	83.64%
WASHITA	15	30	17	62	837,372	13,506	72.58%
WOODS	8	32	26	66	427,685	6,480	0.00%
WOODWARD	8	39	28	75	611,404	8,152	62.67%
TOTAL	5,366	1,887	2,800	10,053	46,719,045	4,647	72.15%
AVG./COUNTY	70	25	36	131	606,741		

Source: Oklahoma Corporation Commission

OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

ANNUAL SUMMARY OF COMPLETIONS BY COUNTIES  
FOR THE YEAR OF 1985

COUNTY	OIL	GAS	DRY	TOTAL	FOOTAGE	AVERAGE DEPTH	SUCCESS RATIO
ADAIR	0	0	0	0	0	0	0.00%
ALFALFA	28	21	37	86	504,909	5,871	56.98%
ATOKA	3	0	10	13	25,953	1,996	23.08%
BEAVER	45	79	65	189	1,439,840	7,618	65.61%
BECKHAM	10	42	12	64	804,790	12,575	81.25%
BLAINE	32	47	22	101	940,215	9,309	78.22%
BRYAN	0	0	4	4	20,807	5,202	0.00%
CADDO	23	52	24	99	1,182,497	11,944	75.76%
CANADIAN	76	34	7	117	1,075,492	9,192	94.02%
CARTER	129	7	30	166	601,205	3,622	81.93%
CHEROKEE	0	0	1	1	350	350	0.00%
CHOCTAW	0	0	0	0	0	0	0.00%
CIMARRON	22	7	37	66	283,953	4,302	43.94%
CLEVELAND	44	0	48	92	679,125	7,382	47.83%
COAL	1	4	13	18	86,246	4,791	27.78%
COMANCHE	31	9	29	69	211,504	3,065	57.97%
COTTON	30	1	30	61	140,144	2,297	50.82%
CRAIG	1	1	7	9	6,190	688	22.22%
CREEK	446	89	215	750	1,993,526	2,658	71.33%
CUSTER	10	61	39	110	1,401,035	12,737	64.55%
DELAWARE	0	0	1	1	1,995	1,995	0.00%
DEWEY	95	35	46	176	1,700,865	9,664	73.86%
ELLIS	28	32	32	92	857,466	9,320	65.22%
GARFIELD	53	33	40	126	783,491	6,218	68.25%
GARVIN	174	18	75	267	1,630,860	6,108	71.91%
GRADY	43	40	42	125	1,302,358	10,419	66.40%
GRANT	75	28	80	183	983,312	5,373	56.28%
GREER	2	0	2	4	8,029	2,007	50.00%
HARMON	0	0	9	9	48,637	5,404	0.00%
HARPER	5	36	19	60	387,269	6,454	68.33%
HASKELL	0	22	8	30	176,337	5,878	73.33%
HUGHES	75	51	69	195	684,809	3,512	64.62%
JACKSON	2	0	7	9	50,472	5,608	22.22%
JEFFERSON	23	0	15	38	200,691	5,281	60.53%
JOHNSTON	0	0	5	5	7,495	1,499	0.00%
KAY	80	20	60	160	511,058	3,194	62.50%
KINGFISHER	56	11	10	77	679,823	8,829	87.01%
KIOWA	63	2	41	106	118,883	1,122	61.32%
LATIMER	0	15	5	20	219,509	10,975	75.00%
LEFLORE	0	14	8	22	156,557	7,116	63.64%
LINCOLN	102	52	122	276	1,156,766	4,191	55.80%
LOGAN	117	20	85	222	1,241,160	5,591	61.71%

LOVE	37	0	23	60	444,813	7,414	61.67%
MCCLAIN	61	5	39	105	989,522	9,424	62.86%
MCCURTAIN	0	0	1	1	6,721	6,721	0.00%
MCINTOSH	0	37	20	57	144,256	2,531	64.91%
MAJOR	107	36	11	154	1,274,266	8,274	92.86%
MARSHALL	6	0	8	14	66,132	4,724	42.86%
MAYES	12	20	21	53	32,730	618	60.38%
MURRAY	8	1	14	23	66,982	2,912	39.13%
MUSKOGEE	66	29	83	178	349,098	1,961	53.37%
NOBLE	162	18	79	259	1,176,267	4,542	69.50%
NOWATA	168	9	21	198	184,739	933	89.39%
OKFUSKEE	67	36	104	207	727,731	3,516	49.76%
OKLAHOMA	76	27	50	153	1,010,633	6,605	67.32%
OKMULGEE	159	95	122	376	817,759	2,175	67.55%
OSAGE	406	37	173	616	1,307,463	2,123	71.92%
OTTAWA	0	0	0	0	0	0	0.00%
PAWNEE	221	12	85	318	1,049,687	3,301	73.27%
PAYNE	90	6	97	193	746,563	3,868	49.74%
PITTSBURG	1	50	19	70	454,600	6,494	72.86%
PONTOTOC	99	7	56	162	367,168	2,266	65.43%
POTTAWATOMIE	155	2	119	276	1,320,291	4,784	56.88%
PUSHMATAHA	0	1	4	5	48,149	9,630	20.00%
ROGER MILLS	11	42	20	73	997,152	13,660	72.60%
ROGERS	31	52	25	108	106,216	983	76.85%
SEMINOLE	180	20	124	324	1,116,516	3,446	61.73%
SEQUOYAH	0	6	1	7	22,491	3,213	85.71%
STEPHENS	117	25	53	195	874,981	4,487	72.82%
TEXAS	22	33	46	101	591,992	5,861	54.46%
TILLMAN	3	0	8	11	48,366	4,397	27.27%
TULSA	57	21	19	97	156,024	1,608	80.41%
WAGONER	29	20	19	68	92,273	1,357	72.06%
WASHINGTON	159	14	36	209	248,994	1,191	82.78%
WASHITA	11	23	20	54	766,025	14,186	62.96%
WOODS	13	21	36	70	439,480	6,278	48.57%
WOODWARD	7	32	34	73	581,516	7,966	53.42%
TOTAL	4,465	1,620	3,001	9,086	42,933,219	4,725	66.97%
AVG./COUNTY	58	21	39	118	557,574		

Source: Oklahoma Corporation Commission

OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

ANNUAL SUMMARY OF COMPLETIONS BY COUNTIES  
FOR THE YEAR OF 1986

COUNTY	OIL	GAS	DRY	TOTAL	FOOTAGE	AVERAGE DEPTH	SUCCESS RATIO
ADAIR	0	0	0	0	0	0	0.00%
ALFALFA	10	5	14	29	173,946	5,998	51.72%
ATOKA	0	3	6	9	55,614	6,179	33.33%
BEAVER	22	66	40	128	950,482	7,426	68.75%
BECKHAM	8	11	11	30	312,126	10,404	63.33%
BLAINE	25	43	12	80	769,359	9,617	85.00%
BRYAN	0	0	0	0	0	0	0.00%
CADDO	19	27	13	59	693,769	11,759	77.97%
CANADIAN	40	15	7	62	580,622	9,365	88.71%
CARTER	62	3	10	75	344,168	4,589	86.67%
CHEROKEE	0	0	0	0	0	0	0.00%
CHOCTAW	0	0	1	1	1,660	1,660	0.00%
CIMARRON	8	7	14	29	118,379	4,082	51.72%
CLEVELAND	23	0	26	49	359,304	7,333	46.94%
COAL	1	3	7	11	53,442	4,858	36.36%
COMANCHE	4	3	5	12	49,295	4,108	58.33%
COTTON	1	0	2	3	4,190	1,397	33.33%
CRAIG	3	0	0	3	2,443	814	100.00%
CREEK	76	33	50	159	421,197	2,649	68.55%
CUSTER	2	32	14	48	596,535	12,428	70.83%
DELAWARE	0	0	0	0	0	0	0.00%
DEWEY	26	18	13	57	585,502	10,272	77.19%
ELLIS	12	15	12	39	352,182	9,030	69.23%
GARFIELD	16	10	9	35	227,366	6,496	74.29%
GARVIN	113	7	27	147	1,043,486	7,099	81.63%
GRADY	36	28	14	78	764,675	9,804	82.05%
GRANT	29	5	32	66	361,949	5,484	51.52%
GREER	2	1	1	4	9,305	2,326	75.00%
HARMON	0	0	0	0	0	0	0.00%
HARPER	2	14	15	31	199,865	6,447	51.61%
HASKELL	0	11	10	21	108,419	5,163	52.38%
HUGHES	17	32	36	85	326,636	3,843	57.65%
JACKSON	0	0	1	1	9,034	9,034	0.00%
JEFFERSON	6	2	4	12	34,839	2,903	66.67%
JOHNSTON	0	0	3	3	8,361	2,787	0.00%
KAY	30	17	29	76	241,420	3,177	61.84%
KINGFISHER	22	3	4	29	230,587	7,951	86.21%
KIOWA	8	0	14	22	18,930	860	36.36%
LATIMER	0	35	6	41	420,266	10,250	85.37%
LEFLORE	0	19	4	23	143,539	6,241	82.61%
LINCOLN	26	9	33	68	294,017	4,324	51.47%
LOGAN	34	7	34	75	405,187	5,402	54.67%

LOVE	22	1	8	31	260,693	8,409	74.19%
MCCLAIN	55	4	23	82	777,371	9,480	71.95%
MCCURTAIN	0	0	0	0	0	0	0.00%
MCINTOSH	0	24	9	33	94,046	2,850	72.73%
MAJOR	63	29	7	99	840,982	8,495	92.93%
MARSHALL	0	1	0	1	4,270	4,270	100.00%
MAYES	2	0	3	5	2,945	589	40.00%
MURRAY	4	0	8	12	44,913	3,743	33.33%
MUSKOGEE	13	12	13	38	70,820	1,864	65.79%
NOBLE	51	3	48	102	456,231	4,473	52.94%
NOWATA	80	0	2	82	73,098	891	97.56%
OKFUSKEE	27	15	23	65	229,951	3,538	64.62%
OKLAHOMA	52	14	22	88	593,359	6,743	75.00%
OKMULGEE	44	47	48	139	322,232	2,318	65.47%
OSAGE	147	24	41	212	451,334	2,129	80.66%
OTTAWA	0	0	0	0	0	0	0.00%
PAWNEE	94	3	27	124	414,849	3,346	78.23%
PAYNE	33	2	30	65	260,798	4,012	0.00%
PITTSBURG	0	30	12	42	243,863	5,806	71.43%
PONTOTOC	22	3	14	39	94,564	2,425	64.10%
POTTAWATOMIE	51	3	43	97	469,109	4,836	55.67%
PUSHMATAHA	0	0	0	0	0	0	0.00%
ROGER MILLS	1	26	8	35	471,367	13,468	77.14%
ROGERS	19	3	2	24	24,242	1,010	91.67%
SEMINOLE	55	21	53	129	452,466	0	58.91%
SEQUOYAH	0	3	0	3	12,422	4,141	100.00%
STEPHENS	107	19	27	153	538,973	3,523	82.35%
TEXAS	11	25	25	61	342,550	5,616	0.00%
TILLMAN	1	0	4	5	23,051	4,610	20.00%
TULSA	21	10	5	36	45,573	1,266	86.11%
WAGONER	49	22	15	86	126,343	1,469	82.56%
WASHINGTON	57	16	5	78	101,031	1,295	93.59%
WASHITA	2	11	10	23	324,249	14,098	56.52%
WOODS	18	7	15	40	250,522	6,263	62.50%
WOODWARD	3	12	17	32	250,782	7,837	46.88%
TOTAL	1,787	874	1,100	3,761	19,941,095	5,302	70.75%
AVG./COUNTY	23	11	14	49	258,975		

Source: Oklahoma Corporation Commission

OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

ANNUAL SUMMARY OF COMPLETIONS BY COUNTIES  
FOR THE YEAR OF 1987

COUNTY	OIL	GAS	DRY	TOTAL	FOOTAGE	AVERAGE DEPTH	SUCCESS RATIO
ADAIR	0	0	0	0	0	0	0.00%
ALFALFA	8	9	17	34	211,360	6,216	50.00%
ATOKA	1	2	3	6	41,899	6,983	50.00%
BEAVER	17	61	37	115	855,651	7,440	67.83%
BECKHAM	2	14	8	24	230,751	9,615	66.67%
BLAINE	28	34	15	77	744,522	9,669	80.52%
BRYAN	0	3	2	5	21,138	4,228	60.00%
CADDO	28	21	24	73	726,764	9,956	67.12%
CANADIAN	15	8	7	30	272,059	9,069	76.67%
CARTER	118	2	9	129	449,970	3,488	93.02%
CHEROKEE	0	0	0	0	0	0	0.00%
CHOCTAW	0	0	0	0	0	0	0.00%
CIMARRON	1	3	15	19	89,138	4,691	21.05%
CLEVELAND	24	0	27	51	344,179	6,749	47.06%
COAL	0	5	6	11	43,404	3,946	45.45%
COMANCHE	6	8	7	21	116,230	5,535	66.67%
COTTON	2	1	10	13	31,693	2,438	23.08%
CRAIG	0	0	0	0	0	0	0.00%
CREEK	76	23	36	135	363,193	2,690	73.33%
CUSTER	1	21	13	35	446,612	12,760	62.86%
DELAWARE	0	0	0	0	0	0	0.00%
DEWEY	15	18	12	45	454,228	10,094	73.33%
ELLIS	17	23	14	54	510,710	9,458	74.07%
GARFIELD	25	14	7	46	295,133	6,416	84.78%
GARVIN	74	13	25	112	856,406	7,646	77.68%
GRADY	30	31	22	83	825,008	9,940	73.49%
GRANT	58	9	49	116	659,169	5,682	57.76%
GREER	0	6	3	9	13,465	1,496	66.67%
HARMON	0	0	4	4	30,480	7,620	0.00%
HARPER	8	44	25	77	500,231	6,497	67.53%
HASKELL	0	29	6	35	223,081	6,374	82.86%
HUGHES	27	38	38	103	368,210	3,575	63.11%
JACKSON	0	0	1	1	8,910	8,910	0.00%
JEFFERSON	4	1	2	7	15,060	2,151	71.43%
JOHNSTON	0	0	3	3	12,225	4,075	0.00%
KAY	37	15	18	70	222,064	3,172	74.29%
KINGFISHER	15	8	2	25	217,267	8,691	92.00%
KIOWA	6	8	17	31	44,111	1,423	45.16%
LATIMER	0	44	3	47	417,460	8,882	93.62%
LEFLORE	0	29	8	37	228,785	6,183	78.38%
LINCOLN	20	16	33	69	292,183	4,235	52.17%
LOGAN	22	14	23	59	299,870	5,083	61.02%

LOVE	10	1	5	16	139,587	8,724	68.75%
MCCLAIN	31	4	19	54	505,367	9,359	64.81%
MCCURTAIN	0	0	1	1	18,986	18,986	0.00%
MCINTOSH	1	17	10	28	61,073	2,181	64.29%
MAJOR	81	41	6	128	1,093,579	8,544	95.31%
MARSHALL	1	0	2	3	24,990	8,330	33.33%
MAYES	0	1	3	4	1,805	451	25.00%
MURRAY	7	0	10	17	48,749	2,868	41.18%
MUSKOGEE	19	7	13	39	80,795	2,072	66.67%
NOBLE	34	4	24	62	249,868	4,030	61.29%
NOWATA	84	7	3	94	99,166	1,055	96.81%
OKFUSKEE	28	19	32	79	265,889	3,366	59.49%
OKLAHOMA	41	10	29	80	524,831	6,560	63.75%
OKMULGEE	34	40	30	104	228,188	2,194	71.15%
OSAGE	114	10	35	159	334,992	2,107	77.99%
OTTAWA	0	0	1	1	1,401	1,401	0.00%
PAWNEE	34	3	19	56	183,901	3,284	66.07%
PAYNE	34	5	30	69	288,433	4,180	56.52%
PITTSBURG	0	41	10	51	351,360	6,889	80.39%
PONTOTOC	14	3	17	34	76,552	2,252	50.00%
POTTAWATOMIE	49	2	46	97	454,285	4,683	52.58%
PUSHMATAHA	0	0	0	0	0	0	0.00%
ROGER MILLS	0	37	13	50	744,185	14,884	74.00%
ROGERS	41	3	7	51	41,895	821	86.27%
SEMINOLE	56	13	39	108	377,866	3,499	63.89%
SEQUOYAH	0	5	6	11	49,404	4,491	45.45%
STEPHENS	72	19	11	102	364,382	3,572	89.22%
TEXAS	8	31	22	61	337,549	5,534	63.93%
TILLMAN	0	0	5	5	19,116	3,823	0.00%
TULSA	20	21	7	48	72,226	1,505	85.42%
WAGONER	87	20	31	138	203,812	1,477	77.54%
WASHINGTON	26	5	1	32	40,597	1,269	96.88%
WASHITA	1	6	8	15	196,674	13,112	46.67%
WOODS	29	11	8	48	310,743	6,474	83.33%
WOODWARD	8	18	19	45	374,353	8,319	57.78%
TOTAL	1,649	979	1,073	3,701	19,649,218	5,309	71.01%
AVG./COUNTY	21	13	14	48	255,185		

Source: Oklahoma Corporation Commission



OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

ANNUAL SUMMARY OF COMPLETIONS BY COUNTIES  
FOR THE YEAR OF 1988

COUNTY	OIL	GAS	DRY	TOTAL	FOOTAGE	AVERAGE DEPTH	SUCCESS RATIO
ADAIR	0	0	0	0	0	0	0.00%
ALFALFA	14	6	22	42	243,949	5,808	47.62%
ATOKA	5	1	2	8	30,013	3,752	75.00%
BEAVER	5	58	26	89	595,498	6,691	70.79%
BECKHAM	7	13	8	28	315,593	11,271	71.43%
BLAINE	22	29	5	56	545,338	9,738	91.07%
BRYAN	0	1	0	1	5,020	5,020	100.00%
CADDO	17	21	8	46	511,638	11,123	82.61%
CANADIAN	5	18	4	27	276,092	10,226	85.19%
CARTER	108	4	15	127	484,081	3,812	88.19%
CHEROKEE	0	0	0	0	0	0	0.00%
CHOCTAW	0	0	0	0	0	0	0.00%
CIMARRON	1	2	6	9	45,523	5,058	33.33%
CLEVELAND	12	1	17	30	195,631	6,521	43.33%
COAL	0	1	7	8	26,516	3,315	12.50%
COMANCHE	3	6	10	19	73,900	3,889	47.37%
COTTON	1	0	4	5	12,542	2,508	20.00%
CRAIG	0	0	0	0	0	0	0.00%
CREEK	38	5	23	66	187,283	2,838	65.15%
CUSTER	2	28	12	42	543,169	12,933	71.43%
DELAWARE	0	0	1	1	375	0	0.00%
DEWEY	11	14	8	33	338,446	10,256	75.76%
ELLIS	7	15	14	36	343,357	9,538	61.11%
GARFIELD	11	2	6	19	122,387	6,441	68.42%
GARVIN	37	8	17	62	443,034	7,146	72.58%
GRADY	22	21	12	55	513,380	9,334	78.18%
GRANT	24	7	62	93	537,658	5,781	33.33%
GREER	0	1	0	1	1,610	1,610	100.00%
HARMON	1	0	0	1	8,350	8,350	100.00%
HARPER	5	36	24	65	411,186	6,326	63.08%
HASKELL	0	25	8	33	174,846	5,298	75.76%
HUGHES	21	34	26	81	283,218	3,497	67.90%
JACKSON	1	0	3	4	15,795	3,949	25.00%
JEFFERSON	1	0	6	7	29,726	4,247	14.29%
JOHNSTON	0	0	1	1	3,000	3,000	0.00%
KAY	24	9	22	55	184,971	3,363	60.00%
KINGFISHER	7	5	2	14	118,629	8,474	85.71%
KIOWA	5	2	4	11	7,935	721	63.64%
LATIMER	0	36	4	40	378,943	9,474	90.00%
LEFLORE	0	21	7	28	203,886	7,282	75.00%
LINCOLN	9	7	25	41	177,629	4,332	39.02%
LOGAN	10	9	9	28	129,419	4,622	67.86%

LOVE	7	0	4	11	86,079	7,825	63.64%
MCCLAIN	30	4	23	57	525,760	9,224	59.65%
MCCURTAIN	0	0	0	0	0	0	0.00%
MCINTOSH	0	7	6	13	35,015	2,693	53.85%
MAJOR	66	30	6	102	877,172	8,600	94.12%
MARSHALL	0	0	1	1	8,947	8,947	0.00%
MAYES	1	0	1	2	1,325	663	50.00%
MURRAY	4	0	12	16	59,112	3,695	25.00%
MUSKOGEE	11	5	8	24	45,666	1,903	66.67%
NOBLE	28	3	20	51	184,940	3,626	60.78%
NOWATA	24	16	0	40	37,870	947	100.00%
OKFUSKEE	21	17	19	57	195,713	3,434	66.67%
OKLAHOMA	35	10	20	65	425,805	6,551	69.23%
OKMULGEE	18	11	13	42	96,124	2,289	69.05%
OSAGE	67	4	23	94	185,896	1,978	75.53%
OTTAWA	0	0	0	0	0	0	0.00%
PAWNEE	15	0	6	21	65,517	3,120	71.43%
PAYNE	27	1	28	56	216,374	3,864	50.00%
PITTSBURG	0	46	9	55	304,351	5,534	83.64%
PONTOTOC	10	1	9	20	57,316	2,866	55.00%
POTTAWATOMIE	30	0	39	69	340,104	4,929	43.48%
PUSHMATAHA	0	0	0	0	0	0	0.00%
ROGER MILLS	8	39	18	65	918,889	14,137	72.31%
ROGERS	18	0	2	20	14,301	715	90.00%
SEMINOLE	43	9	35	87	324,577	3,731	59.77%
SEQUOYAH	0	3	3	6	34,813	5,802	50.00%
STEPHENS	51	9	27	87	320,781	0	68.97%
TEXAS	10	11	23	44	281,740	6,403	47.73%
TILLMAN	0	0	3	3	9,463	3,154	0.00%
TULSA	18	19	7	44	64,230	1,460	84.09%
WAGONER	26	4	14	44	63,639	1,446	68.18%
WASHINGTON	25	9	2	36	43,750	1,215	94.44%
WASHITA	0	14	7	21	265,481	12,642	66.67%
WOODS	19	17	13	49	320,388	6,539	73.47%
WOODWARD	1	12	8	21	166,103	7,910	61.90%
TOTAL	1,049	747	839	2,635	15,096,807	5,729	68.16%
AVG./COUNTY	14	10	11	34	196,062		

Source: Oklahoma Corporation Commission

OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

ANNUAL SUMMARY OF COMPLETIONS BY COUNTIES  
FOR THE YEAR OF 1989

COUNTY	OIL	GAS	DRY	TOTAL	FOOTAGE	AVERAGE DEPTH	SUCCESS RATIO
ADAIR	0	0	0	0	0	0	0.00%
ALFALFA	12	6	14	32	198,478	6,202	56.25%
ATOKA	1	2	2	5	29,318	5,864	60.00%
BEAVER	8	51	28	87	570,667	6,559	67.82%
BECKHAM	4	16	6	26	303,916	11,689	76.92%
BLAINE	8	15	11	34	340,196	10,006	67.65%
BRYAN	0	0	1	1	2,525	2,525	0.00%
CADDO	6	18	8	32	374,180	11,693	75.00%
CANADIAN	3	17	4	24	244,144	10,173	83.33%
CARTER	65	1	11	77	324,353	4,212	85.71%
CHEROKEE	0	0	0	0	0	0	0.00%
CHOCTAW	0	0	0	0	0	0	0.00%
CIMARRON	1	4	5	10	44,489	4,449	50.00%
CLEVELAND	9	2	15	26	190,226	7,316	42.31%
COAL	0	6	9	15	39,863	2,658	40.00%
COMANCHE	2	4	2	8	5,050	631	75.00%
COTTON	1	0	2	3	6,184	2,061	33.33%
CRAIG	0	0	0	0	0	0	0.00%
CREEK	46	13	14	73	205,612	2,817	80.82%
CUSTER	0	15	7	22	275,060	12,503	68.18%
DELAWARE	0	0	0	0	0	0	0.00%
DEWEY	3	8	5	16	165,241	10,328	68.75%
ELLIS	2	11	8	21	198,302	9,443	61.90%
GARFIELD	10	7	5	22	145,390	6,609	77.27%
GARVIN	33	4	11	48	305,725	6,369	77.08%
GRADY	12	37	7	56	545,737	9,745	87.50%
GRANT	8	5	28	41	293,954	7,170	31.71%
GREER	0	0	0	0	0	0	0.00%
HARMON	0	0	3	3	21,818	7,273	0.00%
HARPER	3	29	21	53	343,043	6,473	60.38%
HASKELL	0	19	7	26	131,723	5,066	73.08%
HUGHES	9	29	30	68	248,096	3,648	55.88%
JACKSON	0	0	2	2	6,480	3,240	0.00%
JEFFERSON	1	0	3	4	14,576	3,644	25.00%
JOHNSTON	0	0	0	0	0	0	0.00%
KAY	20	3	13	36	126,148	3,504	63.89%
KINGFISHER	3	7	3	13	101,206	7,785	76.92%
KIOWA	4	1	6	11	17,646	1,604	45.45%
LATIMER	0	23	6	29	306,092	10,555	79.31%
LEFLORE	0	28	11	39	235,541	6,040	71.79%
LINCOLN	7	1	16	24	100,046	4,169	33.33%
LOGAN	10	5	9	24	110,020	4,584	62.50%

LOVE	5	0	5	10	78,852	7,885	50.00%
MCCLAIN	12	4	4	20	206,235	10,312	80.00%
MCCURTAIN	0	0	0	0	0	0	0.00%
MCINTOSH	0	4	8	12	27,775	2,315	33.33%
MAJOR	34	19	4	57	466,545	8,185	92.98%
MARSHALL	0	0	0	0	0	0	0.00%
MAYES	34	19	4	57	466,545	8,185	92.98%
MURRAY	2	0	9	11	36,885	3,353	18.18%
MUSKOGEE	10	4	5	19	32,472	1,709	73.68%
NOBLE	21	3	8	32	125,810	3,932	75.00%
NOWATA	79	0	1	80	67,347	842	98.75%
OKFUSKEE	13	7	19	39	122,297	3,136	51.28%
OKLAHOMA	26	11	14	51	320,116	6,277	72.55%
OKMULGEE	25	14	9	48	113,634	2,367	81.25%
OSAGE	92	26	20	138	262,319	1,901	85.51%
OTTAWA	0	0	0	0	0	0	0.00%
PAWNEE	4	0	8	12	32,324	2,694	33.33%
PAYNE	13	2	25	40	144,724	3,618	37.50%
PITTSBURG	0	36	8	44	301,753	6,858	81.82%
PONTOTOC	9	0	1	10	26,682	2,668	90.00%
POTTAWATOMIE	10	0	28	38	178,864	4,707	26.32%
PUSHMATAHA	0	0	0	0	0	0	0.00%
ROGER MILLS	16	39	9	64	811,688	12,683	85.94%
ROGERS	1	2	0	3	2,877	959	100.00%
SEMINOLE	24	7	23	54	181,509	0	57.41%
SEQUOYAH	0	5	11	16	91,009	5,688	0.00%
STEPHENS	40	7	15	62	249,208	4,019	0.00%
TEXAS	7	10	27	44	262,811	5,973	38.64%
TILLMAN	0	0	2	2	8,010	4,005	0.00%
TULSA	12	9	7	28	41,640	1,487	75.00%
WAGONER	3	2	6	11	16,135	1,467	45.45%
WASHINGTON	6	4	1	11	13,182	1,198	90.91%
WASHITA	1	10	1	12	155,627	12,969	0.00%
WOODS	23	22	8	53	347,440	6,555	84.91%
WOODWARD	2	26	5	33	251,599	7,624	84.85%
TOTAL	815	679	628	2,122	12,014,959	5,662	70.41%
AVG./COUNTY	11	9	8	28	156,038		

Source: Oklahoma Corporation Commission

OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

ANNUAL SUMMARY OF COMPLETIONS BY COUNTIES  
FOR THE YEAR OF 1990

COUNTY	OIL	GAS	DRY	TOTAL	FOOTAGE	AVERAGE DEPTH	SUCCESS RATIO
ADAIR	0	0	0	0	0	0	0.00%
ALFALFA	18	10	4	32	187,392	5,856	87.50%
ATOKA	0	2	1	3	20,677	6,892	66.67%
BEAVER	8	83	14	105	689,588	6,568	86.67%
BECKHAM	4	35	1	40	365,910	9,148	97.50%
BLAINE	6	15	1	22	201,319	9,151	95.45%
BRYAN	5	0	1	6	45,150	7,525	83.33%
CADDO	14	21	2	37	387,004	10,460	94.59%
CANADIAN	7	30	8	45	468,175	10,404	82.22%
CARTER	70	2	32	104	448,013	4,308	69.23%
CHEROKEE	0	0	1	1	1,150	1,150	0.00%
CHOCTAW	0	0	0	0	0	0	0.00%
CIMARRON	3	6	1	10	46,924	4,692	90.00%
CLEVELAND	9	1	1	11	78,820	7,165	90.91%
COAL	1	10	4	15	53,400	3,560	73.33%
COMANCHE	2	2	0	4	15,380	3,845	100.00%
COTTON	1	0	0	1	2,303	2,303	100.00%
CRAIG	1	0	0	1	355	355	0.00%
CREEK	58	12	20	90	247,788	2,753	77.78%
CUSTER	1	23	0	24	319,568	13,315	100.00%
DELAWARE	0	0	0	0	0	0	0.00%
DEWEY	14	17	4	35	340,832	9,738	88.57%
ELLIS	1	30	3	34	351,891	10,350	91.18%
GARFIELD	29	12	4	45	280,033	6,223	91.11%
GARVIN	66	38	9	113	743,047	6,576	92.04%
GRADY	15	64	4	83	869,098	10,471	95.18%
GRANT	9	2	1	12	66,928	5,577	91.67%
GREER	1	1	0	2	2,742	1,371	100.00%
HARMON	0	0	0	0	0	0	0.00%
HARPER	8	33	9	50	335,608	6,712	82.00%
HASKELL	0	28	0	28	146,552	5,234	100.00%
HUGHES	9	53	5	67	238,819	3,564	92.54%
JACKSON	1	0	1	2	10,026	5,013	50.00%
JEFFERSON	4	0	0	4	3,720	930	100.00%
JOHNSTON	0	0	1	1	2,330	0	0.00%
KAY	26	4	10	40	147,374	3,684	75.00%
KINGFISHER	16	17	1	34	294,746	8,669	97.06%
KIOWA	9	1	0	10	14,376	1,438	100.00%
LATIMER	0	41	4	45	514,659	11,437	91.11%
LEFLORE	0	28	3	31	237,166	7,651	90.32%
LINCOLN	20	9	5	34	149,676	4,402	85.29%
LOGAN	19	14	10	43	231,482	5,383	76.74%

LOVE	3	3	1	7	42,030	6,004	85.71%
MCCLAIN	28	6	4	38	387,004	10,184	89.47%
MCCURTAIN	0	0	0	0	0	0	0.00%
MCINTOSH	0	8	6	14	34,376	2,455	57.14%
MAJOR	38	31	5	74	615,355	8,316	93.24%
MARSHALL	18	6	1	25	149,131	5,965	96.00%
MAYES	1	0	1	2	1,265	633	50.00%
MURRAY	12	0	0	12	77,748	6,479	100.00%
MUSKOGEE	7	6	5	18	31,169	1,732	72.22%
NOBLE	39	5	7	51	211,948	4,156	86.27%
NOWATA	45	0	31	76	54,229	714	59.21%
OKFUSKEE	31	12	7	50	167,367	3,347	86.00%
OKLAHOMA	51	29	8	88	622,214	7,071	90.91%
OKMULGEE	37	20	4	61	119,593	1,961	93.44%
OSAGE	86	12	17	115	237,635	2,066	85.22%
OTTAWA	0	0	0	0	0	0	0.00%
PAWNEE	15	1	4	20	59,964	2,998	80.00%
PAYNE	30	4	6	40	165,411	4,135	85.00%
PITTSBURG	0	49	1	50	374,632	7,493	98.00%
PONTOTOC	9	1	4	14	47,586	3,399	71.43%
POTTAWATOMIE	33	0	7	40	178,376	0	82.50%
PUSHMATAHA	0	0	0	0	0	0	0.00%
ROGER MILLS	9	48	1	58	777,413	13,404	0.00%
ROGERS	8	0	1	9	8,534	948	88.89%
SEMINOLE	61	5	15	81	274,029	3,383	81.48%
SEQUOYAH	0	8	2	10	40,202	4,020	80.00%
STEPHENS	64	22	26	112	494,653	4,417	76.79%
TEXAS	12	16	11	39	227,966	5,845	71.79%
TILLMAN	6	0	0	6	10,086	1,681	100.00%
TULSA	18	3	3	24	40,982	1,708	87.50%
WAGONER	5	3	2	10	14,467	1,447	80.00%
WASHINGTON	29	1	18	48	60,638	1,263	62.50%
WASHITA	1	13	0	14	190,207	13,586	100.00%
WOODS	6	33	0	39	254,256	6,519	100.00%
WOODWARD	1	11	2	14	110,290	7,878	85.71%
TOTAL	1,158	1,000	365	2,523	14,640,777	5,803	85.53%
AVG./COUNTY	15	13	5	33	190,140		

Source: Oklahoma Corporation Commission

OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

ANNUAL SUMMARY OF COMPLETIONS BY COUNTIES  
FOR THE YEAR OF 1991

COUNTY	OIL	GAS	DRY	TOTAL	FOOTAGE	AVERAGE DEPTH	SUCCESS RATIO
ADAIR	0	0	0	0	0	0	0.00%
ALFALFA	10	3	4	17	94,817	5,577	76.47%
ATOKA	0	1	1	2	17,322	8,661	50.00%
BEAVER	21	72	13	106	704,803	6,649	87.74%
BECKHAM	1	9	1	11	154,511	14,046	90.91%
BLAINE	8	18	3	29	266,016	9,173	89.66%
BRYAN	2	4	0	6	33,552	5,592	100.00%
CADDO	34	17	13	64	671,170	10,487	79.69%
CANADIAN	7	34	4	45	458,960	10,199	91.11%
CARTER	95	6	19	120	532,976	4,441	84.17%
CHEROKEE	0	0	1	1	415	415	0.00%
CHOCTAW	0	0	0	0	0	0	0.00%
CIMARRON	0	3	1	4	18,488	4,622	75.00%
CLEVELAND	17	1	2	20	151,817	7,591	90.00%
COAL	0	11	0	11	33,264	3,024	100.00%
COMANCHE	2	4	2	8	47,128	5,891	75.00%
COTTON	0	0	2	2	3,700	1,850	0.00%
CRAIG	0	0	0	0	0	0	0.00%
CREEK	38	5	9	52	160,348	3,084	82.69%
CUSTER	2	33	2	37	492,275	13,305	94.59%
DELAWARE	0	0	0	0	0	0	0.00%
DEWEY	23	21	3	47	458,392	9,753	93.62%
ELLIS	3	19	1	23	223,796	9,730	95.65%
GARFIELD	24	8	5	37	250,279	6,764	86.49%
GARVIN	73	17	14	104	676,528	6,505	86.54%
GRADY	23	47	1	71	824,644	11,615	98.59%
GRANT	10	5	0	15	84,430	5,629	100.00%
GREER	0	2	0	2	3,046	1,523	100.00%
HARMON	0	0	0	0	0	0	0.00%
HARPER	10	45	6	61	477,250	7,824	90.16%
HASKELL	0	28	2	30	140,672	4,689	93.33%
HUGHES	17	42	5	64	188,265	2,942	92.19%
JACKSON	0	0	1	1	9,100	9,100	0.00%
JEFFERSON	6	1	3	10	17,162	1,716	70.00%
JOHNSTON	0	0	0	0	0	0	0.00%
KAY	35	5	6	46	164,185	3,569	86.96%
KINGFISHER	26	11	3	40	336,021	8,401	92.50%
KIOWA	6	1	4	11	23,359	2,124	63.64%
LATIMER	0	70	14	84	972,894	11,582	83.33%
LEFLORE	0	31	4	35	239,313	6,838	88.57%
LINCOLN	25	2	5	32	142,309	4,447	84.38%
LOGAN	13	17	10	40	176,022	4,401	75.00%

LOVE	5	1	2	8	73,478	9,185	75.00%
MCCLAIN	33	6	0	39	417,678	10,710	100.00%
MCCURTAIN	0	0	0	0	0	0	0.00%
MCINTOSH	0	6	0	6	14,664	2,444	100.00%
MAJOR	34	16	4	54	466,479	8,639	92.59%
MARSHALL	11	0	0	11	74,899	6,809	100.00%
MAYES	2	1	2	5	1,888	378	60.00%
MURRAY	6	1	2	9	33,449	3,717	77.78%
MUSKOGEE	0	7	0	7	9,156	1,308	100.00%
NOBLE	53	5	9	67	312,398	4,663	86.57%
NOWATA	69	0	41	110	78,218	711	62.73%
OKFUSKEE	26	12	8	46	185,194	4,026	82.61%
OKLAHOMA	39	24	5	68	462,367	6,800	92.65%
OKMULGEE	38	7	12	57	118,529	2,079	78.95%
OSAGE	0	0	0	0	0	0	0.00%
OTTAWA	0	0	0	0	0	0	0.00%
PAWNEE	8	2	1	11	30,662	2,787	90.91%
PAYNE	39	5	4	48	189,140	3,940	91.67%
PITTSBURG	0	44	2	46	315,660	6,862	95.65%
PONTOTOC	25	1	6	32	104,329	3,260	81.25%
POTTAWATOMIE	26	4	6	36	157,302	4,370	83.33%
PUSHMATAHA	0	0	0	0	0	0	0.00%
ROGER MILLS	4	65	2	71	948,366	13,357	97.18%
ROGERS	2	0	0	2	2,532	1,266	100.00%
SEMINOLE	44	2	9	55	182,588	3,320	83.64%
SEQUOYAH	0	11	0	11	59,455	5,405	100.00%
STEPHENS	58	20	16	94	446,796	4,753	82.98%
TEXAS	9	17	12	38	241,677	6,360	68.42%
TILLMAN	18	0	0	18	32,598	1,811	100.00%
TULSA	7	4	3	14	22,546	1,610	78.57%
WAGONER	3	3	1	7	10,303	1,472	85.71%
WASHINGTON	38	1	13	52	66,288	1,275	75.00%
WASHITA	0	16	2	18	236,046	13,114	88.89%
WOODS	9	25	20	54	342,654	6,345	62.96%
WOODWARD	3	13	1	17	125,747	7,397	94.12%
TOTAL	1,140	912	347	2,399	15,012,315	6,258	85.54%
AVG./COUNTY	15	12	5	31	194,965		

Source: Oklahoma Corporation Commission



OKLAHOMA CORPORATION COMMISSION  
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TECHNICAL SERVICES DEPARTMENT

ANNUAL SUMMARY OF COMPLETIONS BY COUNTIES  
FOR THE YEAR OF 1992

COUNTY	OIL	GAS	DRY	TOTAL	FOOTAGE	AVERAGE DEPTH	SUCCESS RATIO
ADAIR	0	0	0	0	0	0	0.00%
ALFALFA	14	7	14	35	185,477	5,299	60.00%
ATOKA	0	1	2	3	34,442	11,481	33.33%
BEAVER	11	34	19	64	418,585	6,540	70.31%
BECKHAM	3	4	5	12	158,614	13,218	58.33%
BLAINE	4	8	5	17	166,431	9,790	70.59%
BRYAN	0	0	0	0	0	0	0.00%
CADDO	14	8	8	30	257,621	8,587	73.33%
CANADIAN	3	13	3	19	180,804	9,516	84.21%
CARTER	35	3	11	49	216,172	4,412	77.55%
CHEROKEE	0	0	0	0	0	0	0.00%
CHOCTAW	0	0	0	0	0	0	0.00%
CIMARRON	1	1	4	6	25,882	4,314	33.33%
CLEVELAND	7	0	7	14	85,119	6,080	50.00%
COAL	2	2	5	9	31,017	3,446	44.44%
COMANCHE	2	3	4	9	40,914	4,546	55.56%
COTTON	7	0	3	10	15,772	1,577	70.00%
CRAIG	0	0	0	0	0	0	0.00%
CREEK	18	2	23	43	127,305	2,961	46.51%
CUSTER	2	40	7	49	598,712	12,219	85.71%
DELAWARE	0	0	0	0	0	0	0.00%
DEWEY	3	1	3	7	62,009	8,858	57.14%
ELLIS	2	6	3	11	84,552	7,687	72.73%
GARFIELD	7	2	12	21	118,965	5,665	42.86%
GARVIN	31	6	9	46	209,492	4,554	80.43%
GRADY	9	19	10	38	384,665	10,123	73.68%
GRANT	4	3	12	19	104,896	5,521	36.84%
GREER	0	1	0	1	1,613	1,613	100.00%
HARMON	0	0	2	2	9,968	4,984	0.00%
HARPER	2	5	9	16	114,607	7,163	43.75%
HASKELL	0	24	6	30	101,535	3,385	80.00%
HUGHES	13	29	23	65	185,085	2,847	64.62%
JACKSON	0	0	2	2	13,602	6,801	0.00%
JEFFERSON	4	3	8	15	27,295	1,820	46.67%
JOHNSTON	0	0	1	1	10,594	10,594	0.00%
KAY	20	3	11	34	123,010	3,618	67.65%
KINGFISHER	8	1	3	12	89,495	7,458	75.00%
KIOWA	4	0	3	7	13,060	1,866	57.14%
LATIMER	0	28	17	45	521,951	11,599	62.22%
LEFLORE	1	10	7	18	94,302	5,239	61.11%
LINCOLN	17	2	10	29	118,116	4,073	65.52%
LOGAN	14	8	12	34	169,616	4,989	64.71%

LOVE	3	0	2	5	26,063	5,213	60.00%
MCCLAIN	5	2	2	9	76,383	8,487	77.78%
MCCURTAIN	0	0	1	1	467	467	0.00%
MCINTOSH	0	7	7	14	36,191	2,585	50.00%
MAJOR	24	17	7	48	410,631	8,555	85.42%
MARSHALL	2	0	2	4	22,955	5,739	50.00%
MAYES	0	0	0	0	0	0	0.00%
MURRAY	4	0	4	8	28,412	3,552	50.00%
MUSKOGEE	1	2	9	12	19,848	1,654	25.00%
NOBLE	27	4	15	46	166,442	3,618	67.39%
NOWATA	8	1	0	9	6,617	735	100.00%
OKFUSKEE	27	2	14	43	148,412	3,451	67.44%
OKLAHOMA	11	17	14	42	260,418	6,200	66.67%
OKMULGEE	19	5	27	51	111,865	2,193	47.06%
OSAGE	62	8	12	82	161,521	1,970	85.37%
OTTAWA	0	0	0	0	0	0	0.00%
PAWNEE	20	0	9	29	84,843	2,926	68.97%
PAYNE	25	2	29	56	202,484	3,616	48.21%
PITTSBURG	0	24	11	35	156,744	4,478	68.57%
PONTOTOC	9	1	4	14	29,247	2,089	71.43%
POTTAWATOMIE	18	2	22	42	176,241	4,196	47.62%
PUSHMATAHA	0	0	0	0	0	0	0.00%
ROGER MILLS	1	48	10	59	769,155	13,037	83.05%
ROGERS	1	0	1	2	1,750	875	50.00%
SEMINOLE	24	4	16	44	144,309	3,280	63.64%
SEQUOYAH	0	9	3	12	50,767	4,231	75.00%
STEPHENS	33	11	12	56	208,308	3,720	78.57%
TEXAS	12	9	15	36	220,210	6,117	58.33%
TILLMAN	2	0	5	7	32,962	4,709	28.57%
TULSA	2	1	1	4	6,843	1,711	75.00%
WAGONER	3	2	0	5	9,071	1,814	100.00%
WASHINGTON	14	0	0	14	17,612	1,258	100.00%
WASHITA	0	6	1	7	94,991	13,570	85.71%
WOODS	4	20	11	35	201,266	5,750	68.57%
WOODWARD	5	9	10	24	186,836	7,785	58.33%
TOTAL	628	490	559	1,677	9,171,159	5,469	66.67%
AVG./COUNTY	8	6	7	22	119,106		

Source: Oklahoma Corporation Commission

OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

ANNUAL SUMMARY OF COMPLETIONS BY COUNTIES  
FOR THE YEAR OF 1993

COUNTY	OIL	GAS	DRY	TOTAL	FOOTAGE	AVERAGE DEPTH	SUCCESS RATIO
ADAIR	0	0	0	0	0	0	0.00%
ALFALFA	10	7	2	19	114,263	6,014	89.47%
ATOKA	0	0	1	1	21,229	21,229	0.00%
BEAVER	11	56	23	90	642,648	7,141	74.44%
BECKHAM	10	19	1	30	285,085	9,503	96.67%
BLAINE	5	23	0	28	270,893	9,675	100.00%
BRYAN	1	0	0	1	6,415	6,415	100.00%
CADDO	20	17	13	50	470,127	9,403	74.00%
CANADIAN	5	31	4	40	408,921	10,223	90.00%
CARTER	86	13	85	184	816,789	4,439	53.80%
CHEROKEE	0	0	0	0	0	0	0.00%
CHOCTAW	0	0	0	0	0	0	0.00%
CIMARRON	7	3	1	11	51,913	4,719	90.91%
CLEVELAND	10	1	4	15	105,349	7,023	73.33%
COAL	1	11	3	15	68,782	4,585	80.00%
COMANCHE	8	5	1	14	57,765	4,126	92.86%
COTTON	6	0	1	7	24,618	3,517	85.71%
CRAIG	0	0	0	0	0	0	0.00%
CREEK	33	6	8	47	135,353	2,880	82.98%
CUSTER	2	72	1	75	962,549	12,834	98.67%
DELAWARE	0	0	0	0	0	0	0.00%
DEWEY	4	17	1	22	216,174	9,826	95.45%
ELLIS	2	21	3	26	239,207	9,200	88.46%
GARFIELD	15	10	6	31	187,861	6,060	80.65%
GARVIN	63	15	11	89	688,276	7,733	87.64%
GRADY	49	61	13	123	1,345,867	10,942	89.43%
GRANT	3	1	3	7	36,811	5,259	57.14%
GREER	1	0	0	1	1,392	1,392	100.00%
HARMON	0	0	0	0	0	0	0.00%
HARPER	4	33	3	40	271,731	6,793	92.50%
HASKELL	0	39	0	39	105,963	2,717	100.00%
HUGHES	11	29	8	48	157,239	3,276	83.33%
JACKSON	0	0	0	0	0	0	0.00%
JEFFERSON	0	0	0	0	0	0	0.00%
JOHNSTON	0	0	0	0	0	0	0.00%
KAY	17	6	8	31	106,782	3,445	74.19%
KINGFISHER	6	12	5	23	202,168	8,790	78.26%
KIOWA	2	0	1	3	2,646	882	66.67%
LATIMER	0	51	2	53	466,956	8,810	96.23%
LEFLORE	0	42	1	43	258,974	6,023	97.67%
LINCOLN	31	7	5	43	185,605	4,316	88.37%
LOGAN	23	11	4	38	213,737	5,625	89.47%

LOVE	4	2	0	6	47,088	7,848	100.00%
MCCLAIN	21	7	2	30	303,252	10,108	93.33%
MCCURTAIN	0	0	0	0	0	0	0.00%
MCINTOSH	0	4	0	4	9,968	2,492	100.00%
MAJOR	48	39	9	96	863,217	8,992	90.63%
MARSHALL	2	4	1	7	45,842	6,549	85.71%
MAYES	0	0	1	1	703	703	0.00%
MURRAY	1	0	1	2	6,210	3,105	50.00%
MUSKOGEE	3	4	0	7	12,087	1,727	100.00%
NOBLE	24	6	5	35	143,071	4,088	85.71%
NOWATA	6	0	2	8	7,466	933	75.00%
OKFUSKEE	33	7	2	42	138,971	3,309	95.24%
OKLAHOMA	16	22	19	57	382,809	6,716	66.67%
OKMULGEE	15	8	1	24	48,480	2,020	95.83%
OSAGE	1	0	0	1	2,859	2,859	100.00%
OTTAWA	0	0	0	0	0	0	0.00%
PAWNEE	9	2	0	11	34,383	3,126	100.00%
PAYNE	29	3	6	38	139,921	3,682	84.21%
PITTSBURG	0	53	1	54	274,610	5,085	98.15%
PONTOTOC	34	0	7	41	161,380	3,936	82.93%
POTTAWATOMIE	18	1	2	21	93,394	4,447	90.48%
PUSHMATAHA	0	0	0	0	0	0	0.00%
ROGER MILLS	10	91	0	101	1,289,756	12,770	100.00%
ROGERS	2	6	1	9	10,530	1,170	88.89%
SEMINOLE	21	3	12	36	116,613	3,239	66.67%
SEQUOYAH	0	4	0	4	21,216	5,304	100.00%
STEPHENS	44	20	10	74	435,826	5,890	86.49%
TEXAS	9	21	10	40	236,491	5,912	75.00%
TILLMAN	0	0	0	0	0	0	0.00%
TULSA	5	0	1	6	12,790	2,132	83.33%
WAGONER	4	1	2	7	12,658	1,808	71.43%
WASHINGTON	20	0	3	23	36,170	1,573	86.96%
WASHITA	0	28	0	28	383,740	13,705	100.00%
WOODS	22	29	8	59	369,839	6,268	86.44%
WOODWARD	5	23	2	30	227,569	7,586	93.33%
TOTAL	852	1,007	330	2,189	14,998,997	6,852	84.92%
AVG./COUNTY	11	13	4	28	194,792		

Source: Oklahoma Corporation Commission

OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

ANNUAL SUMMARY OF COMPLETIONS BY COUNTIES  
FOR THE YEAR OF 1994

COUNTY	OIL	GAS	DRY	TOTAL	FOOTAGE	AVERAGE DEPTH	SUCCESS RATIO
ADAIR	0	0	0	0	0	0	0.00%
ALFALFA	12	8	9	29	169,216	5,835	68.97%
ATOKA	0	0	0	0	0	0	0.00%
BEAVER	17	59	12	88	656,871	7,464	86.36%
BECKHAM	2	20	1	23	293,504	12,761	95.65%
BLAINE	2	28	4	34	329,070	9,679	88.24%
BRYAN	0	1	0	1	2,238	2,238	100.00%
CADDO	12	33	1	46	533,376	11,595	97.83%
CANADIAN	2	28	4	34	356,930	10,498	88.24%
CARTER	87	9	4	100	495,793	4,958	96.00%
CHEROKEE	0	0	0	0	0	0	0.00%
CHOCTAW	0	0	0	0	0	0	0.00%
CIMARRON	3	1	1	5	23,425	4,685	80.00%
CLEVELAND	4	2	2	8	62,948	7,869	75.00%
COAL	1	11	2	14	49,999	3,571	85.71%
COMANCHE	4	14	1	19	106,417	5,601	94.74%
COTTON	1	0	1	2	3,256	1,628	50.00%
CRAIG	0	0	0	0	0	0	0.00%
CREEK	14	7	2	23	62,197	2,704	91.30%
CUSTER	0	28	4	32	417,860	13,058	87.50%
DELAWARE	0	0	0	0	0	0	0.00%
DEWEY	3	20	1	24	260,299	10,846	95.83%
ELLIS	1	26	4	31	269,244	8,685	87.10%
GARFIELD	11	10	3	24	159,688	6,654	87.50%
GARVIN	46	14	3	63	506,858	8,045	95.24%
GRADY	34	41	2	77	926,718	12,035	97.40%
GRANT	3	3	3	9	49,212	5,468	66.67%
GREER	0	0	0	0	0	0	0.00%
HARMON	0	0	0	0	0	0	0.00%
HARPER	3	35	9	47	331,410	7,051	80.85%
HASKELL	0	32		32	140,416	4,388	100.00%
HUGHES	2	29	3	34	111,507	3,280	91.18%
JACKSON	1	0	0	1	9,002	9,002	100.00%
JEFFERSON	0	0	0	0	0	0	0.00%
JOHNSTON	1	0	0	1	4,649	4,649	100.00%
KAY	7	1	0	8	29,490	3,686	100.00%
KINGFISHER	16	11	0	27	212,473	7,869	100.00%
KIOWA	1	0	3	4	1,939	485	25.00%
LATIMER	0	28	0	28	261,156	9,327	100.00%
LEFLORE	0	26	1	27	154,260	5,713	96.30%
LINCOLN	18	8	2	28	122,240	4,366	92.86%
LOGAN	6	8	8	22	130,036	5,911	63.64%

LOVE	5	1	0	6	61,690	10,282	100.00%
MCCLAIN	15	2	1	18	191,023	10,612	94.44%
MCCURTAIN	0	0	0	0	0	0	0.00%
MCINTOSH	0	5	1	6	17,045	2,841	83.33%
MAJOR	39	52	3	94	821,002	8,734	96.81%
MARSHALL	3	3	0	6	34,383	5,731	100.00%
MAYES	0	0	0	0	0	0	0.00%
MURRAY	1	1	1	3	5,077	1,692	66.67%
MUSKOGEE	0	2	0	2	2,760	1,380	100.00%
NOBLE	15	7	7	29	104,168	3,592	75.86%
NOWATA	0	1	0	1	980	980	100.00%
OKFUSKEE	18	9	2	29	101,951	3,516	93.10%
OKLAHOMA	18	16	7	41	270,318	6,593	82.93%
OKMULGEE	10	2	2	14	33,634	2,402	85.71%
OSAGE	0	0	0	0	0	0	0.00%
OTTAWA	0	0	0	0	0	0	0.00%
PAWNEE	3	0	1	4	8,259	2,065	75.00%
PAYNE	27	1	6	34	132,476	3,896	82.35%
PITTSBURG	0	57	3	60	349,287	5,821	95.00%
PONTOTOC	9	2	2	13	49,955	3,843	84.62%
POTTAWATOMIE	17	0	3	20	89,810	4,491	85.00%
PUSHMATAHA	0	0	0	0	0	0	0.00%
ROGER MILLS	1	61	2	64	830,471	12,976	96.88%
ROGERS	0	0	0	0	0	0	0.00%
SEMINOLE	11	6	4	21	78,731	3,749	80.95%
SEQUOYAH	0	4	0	4	21,112	5,278	100.00%
STEPHENS	33	27	6	66	396,951	6,014	90.91%
TEXAS	3	21	10	34	203,907	5,997	70.59%
TILLMAN	0	0	0	0	0	0	0.00%
TULSA	2	0	0	2	4,422	2,211	100.00%
WAGONER	0	1	2	3	4,605	1,535	33.33%
WASHINGTON	2	3	0	5	6,733	1,347	100.00%
WASHITA	0	11	1	12	171,892	14,324	91.67%
WOODS	9	21	5	35	236,827	6,766	85.71%
WOODWARD	4	29	4	37	284,649	7,693	89.19%
TOTAL	559	886	163	1,608	11,757,815	7,312	89.86%
AVG./COUNTY	7	12	2	21	152,699		

Source: Oklahoma Corporation Commission

OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

ANNUAL SUMMARY OF COMPLETIONS BY COUNTIES  
FOR THE YEAR OF 1995

COUNTY	OIL	GAS	DRY	TOTAL	FOOTAGE	AVERAGE DEPTH	SUCCESS RATIO
ADAIR	0	0	0	0	0	0	0.00%
ALFALFA	10	10	2	22	131,834	5,992	90.91%
ATOKA	0	1	1	2	7,840	3,920	50.00%
BEAVER	13	57	4	74	541,833	7,322	94.59%
BECKHAM	0	18	3	21	262,108	12,481	85.71%
BLAINE	3	25	5	33	314,749	9,538	84.85%
BRYAN	0	1	0	1	5,081	5,081	100.00%
CADDO	6	16	1	23	303,657	13,202	95.65%
CANADIAN	4	19	1	24	253,725	10,572	95.83%
CARTER	66	1	20	87	330,197	3,795	77.01%
CHEROKEE	0	0	0	0	0	0	0.00%
CHOCTAW	0	0	0	0	0	0	0.00%
CIMARRON	3	0	0	3	14,370	4,790	100.00%
CLEVELAND	3	0	3	6	42,480	7,080	50.00%
COAL	4	0	3	7	33,555	4,794	57.14%
COMANCHE	2	5	0	7	62,876	8,982	100.00%
COTTON	1	0	1	2	3,534	1,767	50.00%
CRAIG	0	0	0	0	0	0	0.00%
CREEK	18	5	6	29	80,078	2,761	79.31%
CUSTER	0	17	1	18	239,566	13,309	94.44%
DELAWARE	0	0	0	0	0	0	0.00%
DEWEY	4	16	2	22	75,042	3,411	90.91%
ELLIS	1	27	3	31	270,928	8,740	90.32%
GARFIELD	10	3	2	15	103,551	6,903	86.67%
GARVIN	59	11	16	86	673,364	7,830	81.40%
GRADY	27	39	9	75	897,872	11,972	88.00%
GRANT	3	2	2	7	45,214	6,459	71.43%
GREER	0	0	0	0	0	0	0.00%
HARMON	0	0	0	0	0	0	0.00%
HARPER	1	25	1	27	205,260	7,602	96.30%
HASKELL	1	30	3	34	196,478	5,779	91.18%
HUGHES	2	13	2	17	66,606	3,918	88.24%
JACKSON	1	0	2	3	32,641	10,880	33.33%
JEFFERSON	0	0	0	0	0	0	0.00%
JOHNSTON	0	0	0	0	0	0	0.00%
KAY	10	1	2	13	56,494	4,346	84.62%
KINGFISHER	16	9	4	29	235,795	8,131	86.21%
KIOWA	2	0	0	2	904	452	100.00%
LATIMER	0	36	2	38	288,486	7,592	94.74%
LEFLORE	0	18	5	23	158,473	6,890	78.26%
LINCOLN	12	5	3	20	89,407	4,470	85.00%
LOGAN	22	4	5	31	189,103	6,100	83.87%

LOVE	1	1	1	3	24,700	8,233	66.67%
MCCLAIN	13	1	1	15	171,064	11,404	93.33%
MCCURTAIN	0	0	0	0	0	0	0.00%
MCINTOSH	0	6	1	7	14,438	2,063	85.71%
MAJOR	28	57	0	85	723,182	8,508	100.00%
MARSHALL	3	3	0	6	31,632	5,272	100.00%
MAYES	0	0	0	0	0	0	0.00%
MURRAY	3	1	5	9	31,283	3,476	44.44%
MUSKOGEE	0	0	1	1	2,180	2,180	0.00%
NOBLE	8	4	4	16	68,674	4,292	75.00%
NOWATA	2	6	0	8	10,004	1,251	100.00%
OKFUSKEE	10	3	5	18	57,613	3,201	72.22%
OKLAHOMA	14	2	4	20	132,980	6,649	80.00%
OKMULGEE	4	5	3	12	36,254	3,021	75.00%
OSAGE	0	1	0	1	3,551	3,551	100.00%
OTTAWA	0	0	0	0	0	0	0.00%
PAWNEE	0	0	2	2	6,874	3,437	0.00%
PAYNE	18	2	7	27	101,958	3,776	74.07%
PITTSBURG	0	45	2	47	254,799	5,421	95.74%
PONTOTOC	10	0	7	17	57,577	3,387	58.82%
POTTAWATOMIE	12	1	5	18	78,325	4,351	72.22%
PUSHMATAHA	0	0	0	0	0	0	0.00%
ROGER MILLS	2	51	4	57	764,781	13,417	92.98%
ROGERS	0	0	0	0	0	0	0.00%
SEMINOLE	13	1	5	19	115,115	6,059	73.68%
SEQUOYAH	0	2	0	2	8,104	4,052	100.00%
STEPHENS	34	19	4	57	362,466	6,359	92.98%
TEXAS	9	12	32	53	303,850	5,733	39.62%
TILLMAN	0	0	0	0	0	0	0.00%
TULSA	2	1	0	3	5,722	1,907	100.00%
WAGONER	3	0	1	4	5,192	1,298	75.00%
WASHINGTON	2	11	0	13	16,037	1,234	100.00%
WASHITA	0	28	1	29	398,150	13,729	96.55%
WOODS	8	11	1	20	128,004	6,400	95.00%
WOODWARD	2	21	3	26	187,837	7,225	88.46%
TOTAL	505	709	213	1,427	10,315,447	7,229	85.07%
AVG./COUNTY	7	9	3	19	133,967		

Source: Oklahoma Corporation Commission



OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

ANNUAL SUMMARY OF COMPLETIONS BY COUNTIES  
FOR THE YEAR OF 1996

COUNTY	OIL	GAS	DRY	TOTAL	FOOTAGE	AVERAGE DEPTH	SUCCESS RATIO
ADAIR	0	0	0	0	0	0	0.00%
ALFALFA	7	5	4	16	95,491	5,968	75.00%
ATOKA	0	3	1	4	16,158	4,040	75.00%
BEAVER	12	60	7	79	523,887	6,631	91.14%
BECKHAM	4	27	1	32	342,834	10,714	96.88%
BLAINE	8	31	3	42	404,038	9,620	92.86%
BRYAN	2	0	0	2	12,612	6,306	100.00%
CADDO	7	26	6	39	477,009	12,231	84.62%
CANADIAN	3	20	3	26	266,739	10,259	88.46%
CARTER	50	4	34	88	406,102	4,615	61.36%
CHEROKEE	0	0	0	0	0	0	0.00%
CHOCTAW	0	0	0	0	0	0	0.00%
CIMARRON	3	1	1	5	23,119	4,624	80.00%
CLEVELAND	1	0	1	2	8,372	4,186	50.00%
COAL	1	2	0	3	19,400	6,467	100.00%
COMANCHE	3	4	1	8	36,446	4,556	87.50%
COTTON	0	0	0	0	0	0	0.00%
CRAIG	0	0	0	0	0	0	0.00%
CREEK	19	3	8	30	86,172	2,872	73.33%
CUSTER	3	25	1	29	381,838	13,167	96.55%
DELAWARE	0	0	0	0	0	0	0.00%
DEWEY	0	20	1	21	222,090	10,576	95.24%
ELLIS	5	21	2	28	240,311	8,583	92.86%
GARFIELD	14	4	2	20	115,838	5,792	90.00%
GARVIN	34	9	13	56	390,961	6,981	76.79%
GRADY	26	22	12	60	672,531	11,209	80.00%
GRANT	4	2	0	6	33,516	5,586	100.00%
GREER	0	0	0	0	0	0	0.00%
HARMON	0	0	0	0	0	0	0.00%
HARPER	0	43	0	43	377,325	8,775	100.00%
HASKELL	0	12	3	15	63,738	4,249	80.00%
HUGHES	4	14	1	19	59,520	3,133	94.74%
JACKSON	3	0	0	3	23,139	7,713	100.00%
JEFFERSON	0	0	0	0	0	0	0.00%
JOHNSTON	0	0	0	0	0	0	0.00%
KAY	2	0	3	5	21,642	4,328	40.00%
KINGFISHER	10	10	5	25	198,944	7,958	80.00%
KIOWA	5	0	1	6	2,830	472	83.33%
LATIMER	0	54	2	56	523,686	9,352	96.43%
LEFLORE	0	19	0	19	74,936	3,944	100.00%
LINCOLN	10	7	14	31	145,000	4,677	54.84%
LOGAN	14	4	10	28	149,366	5,335	64.29%

LOVE	2	3	0	5	54,812	10,962	100.00%
MCCLAIN	5	3	2	10	102,455	10,246	80.00%
MCCURTAIN	0	0	0	0	0	0	0.00%
MCINTOSH	0	11	0	11	18,964	1,724	100.00%
MAJOR	23	46	4	73	620,002	8,493	94.52%
MARSHALL	0	0	0	0	0	0	0.00%
MAYES	0	0	0	0	0	0	0.00%
MURRAY	1	0	5	6	30,080	5,013	16.67%
MUSKOGEE	1	0	0	1	2,970	2,970	100.00%
NOBLE	9	11	13	33	110,805	3,358	60.61%
NOWATA	1	8	1	10	10,636	1,064	90.00%
OKFUSKEE	9	1	3	13	42,533	3,272	76.92%
OKLAHOMA	12	4	10	26	172,027	6,616	61.54%
OKMULGEE	1	2	0	3	7,030	2,343	100.00%
OSAGE	0	0	0	0	0	0	0.00%
OTTAWA	0	0	0	0	0	0	0.00%
PAWNEE	4	2	5	11	35,774	3,252	54.55%
PAYNE	18	3	1	22	82,248	3,739	95.45%
PITTSBURG	0	47	0	47	263,623	5,609	100.00%
PONTOTOC	4	0	14	18	64,262	3,570	22.22%
POTTAWATOMIE	9	0	8	17	81,572	4,798	52.94%
PUSHMATAHA	0	0	0	0	0	0	0.00%
ROGER MILLS	1	44	1	46	579,789	12,604	97.83%
ROGERS	0	0	1	1	2,127	2,127	0.00%
SEMINOLE	16	1	6	23	75,124	3,266	73.91%
SEQUOYAH	0	7	0	7	22,778	3,254	100.00%
STEPHENS	49	16	14	79	563,943	7,139	82.28%
TEXAS	10	21	9	40	225,384	5,635	77.50%
TILLMAN	0	0	0	0	0	0	0.00%
TULSA	0	0	1	1	1,188	1,188	0.00%
WAGONER	1	0	2	3	4,374	1,458	33.33%
WASHINGTON	0	18	1	19	21,765	1,146	94.74%
WASHITA	1	33	0	34	411,838	12,113	100.00%
WOODS	4	20	3	27	160,662	5,950	88.89%
WOODWARD	0	27	0	27	200,529	7,427	100.00%
TOTAL	435	780	244	1,459	10,384,884	7,118	83.28%
AVG./COUNTY	6	10	3	19	134,869		

Source: Oklahoma Corporation Commission

OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

ANNUAL SUMMARY OF COMPLETIONS BY COUNTIES  
FOR THE YEAR OF 1997

COUNTY	OIL	GAS	DRY	TOTAL	FOOTAGE	AVERAGE DEPTH	SUCCESS RATIO
ADAIR	0	0	0	0	0	0	0.00%
ALFALFA	4	2	4	10	58,339	5,834	60.00%
ATOKA	0	4	0	4	24,836	6,209	100.00%
BEAVER	6	47	3	56	391,940	6,999	94.64%
BECKHAM	3	21	3	27	328,260	12,158	88.89%
BLAINE	4	37	4	45	374,950	8,332	91.11%
BRYAN	0	0	0	0	0	0	0.00%
CADDO	14	42	5	61	731,868	11,998	91.80%
CANADIAN	4	13	3	20	195,188	9,759	85.00%
CARTER	66	3	12	81	318,093	3,927	85.19%
CHEROKEE	0	0	0	0	0	0	0.00%
CHOCTAW	0	0	0	0	0	0	0.00%
CIMARRON	1	2	1	4	16,192	4,048	75.00%
CLEVELAND	7	1	1	9	59,071	6,563	88.89%
COAL	1	3	0	4	30,158	7,540	100.00%
COMANCHE	2	4	4	10	61,780	6,178	60.00%
COTTON	0	0	0	0	0	0	0.00%
CRAIG	0	0	0	0	0	0	0.00%
CREEK	17	2	7	26	77,124	2,966	73.08%
CUSTER	0	40	2	42	541,330	12,889	95.24%
DELAWARE	0	0	0	0	0	0	0.00%
DEWEY	5	22	3	30	310,275	10,343	90.00%
ELLIS	6	42	1	49	433,106	8,839	97.96%
GARFIELD	7	11	1	19	107,833	5,675	94.74%
GARVIN	39	6	4	49	389,504	7,949	91.84%
GRADY	20	31	9	60	678,768	11,313	85.00%
GRANT	3	6	4	13	59,246	4,557	69.23%
GREER	0	2	1	3	4,524	1,508	66.67%
HARMON	0	0	0	0	0	0	0.00%
HARPER	5	30	0	35	257,290	7,351	100.00%
HASKELL	0	27	0	27	93,420	3,460	100.00%
HUGHES	4	9	2	15	49,556	3,304	86.67%
JACKSON	1	0	0	1	8,452	8,452	100.00%
JEFFERSON	2	0	0	2	18,594	9,297	100.00%
JOHNSTON	0	0	0	0	0	0	0.00%
KAY	5	5	3	13	33,278	2,560	76.92%
KINGFISHER	7	19	6	32	275,331	8,604	81.25%
KIOWA	1	8	0	9	69,660	7,740	100.00%
LATIMER	0	44	1	45	441,895	9,820	97.78%
LEFLORE	0	17	0	17	85,935	5,055	100.00%
LINCOLN	10	1	6	17	74,077	4,357	64.71%
LOGAN	14	12	6	32	181,404	5,669	81.25%

LOVE	4	4	0	8	51,336	6,417	100.00%
MCCLAIN	5	3	1	9	97,210	10,801	88.89%
MCCURTAIN	0	0	0	0	0	0	0.00%
MCINTOSH	0	15	0	15	35,505	2,367	100.00%
MAJOR	33	57	1	91	765,860	8,416	98.90%
MARSHALL	0	0	0	0	0	0	0.00%
MAYES	0	0	0	0	0	0	0.00%
MURRAY	0	0	1	1	3,020	3,020	0.00%
MUSKOGEE	0	0	0	0	0	0	0.00%
NOBLE	30	14	13	57	167,004	2,930	77.19%
NOWATA	1	13	0	14	16,633	1,188	100.00%
OKFUSKEE	20	7	1	28	87,328	3,119	96.43%
OKLAHOMA	10	8	7	25	155,642	6,226	72.00%
OKMULGEE	3	5	1	9	17,704	1,967	88.89%
OSAGE	0	0	0	0	0	0	0.00%
OTTAWA	0	0	0	0	0	0	0.00%
PAWNEE	0	0	0	0	0	0	0.00%
PAYNE	15	3	7	25	98,988	3,960	72.00%
PITTSBURG	0	53	2	55	303,248	5,514	96.36%
PONTOTOC	4	2	2	8	9,768	1,221	75.00%
POTTAWATOMIE	7	0	4	11	51,104	4,646	63.64%
PUSHMATAHA	0	0	0	0	0	0	0.00%
ROGER MILLS	1	58	0	59	783,236	13,275	100.00%
ROGERS	0	6	1	7	8,616	1,231	0.00%
SEMINOLE	18	1	8	27	112,980	4,184	70.37%
SEQUOYAH	0	8	0	8	32,744	4,093	100.00%
STEPHENS	23	22	4	49	374,481	7,642	91.84%
TEXAS	22	69	11	102	545,733	5,350	89.22%
TILLMAN	0	0	0	0	0	0	0.00%
TULSA	0	5	0	5	6,860	1,372	100.00%
WAGONER	1	0	0	1	1,490	1,490	100.00%
WASHINGTON	5	5	13	23	30,295	1,317	43.48%
WASHITA	1	32	0	33	434,500	13,167	100.00%
WOODS	5	27	5	37	238,004	6,433	86.49%
WOODWARD	6	45	3	54	402,741	7,458	94.44%
TOTAL	472	975	181	1,628	11,613,307	7,133	88.88%
AVG./COUNTY	6	13	2	21	150,822		

Source: Oklahoma Corporation Commission

OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

ANNUAL SUMMARY OF COMPLETIONS BY COUNTIES  
FOR THE YEAR OF 1998

COUNTY	OIL	GAS	DRY	TOTAL	FOOTAGE	AVERAGE DEPTH	SUCCESS RATIO
ADAIR	0	0	0	0	0	0	0.00%
ALFALFA	1	4	0	5	31,490	6,298	100.00%
ATOKA	0	2	0	2	22,020	11,010	100.00%
BEAVER	7	49	3	59	483,249	8,191	94.92%
BECKHAM	0	19	2	21	275,063	13,098	90.48%
BLAINE	2	39	1	42	406,931	9,689	97.62%
BRYAN	1	1	1	3	22,010	7,337	0.00%
CADDO	17	30	7	54	650,661	12,049	87.04%
CANADIAN	8	34	9	51	515,458	10,107	82.35%
CARTER	34	12	8	54	244,694	4,531	85.19%
CHEROKEE	0	0	0	0	0	0	0.00%
CHOCTAW	0	0	0	0	0	0	0.00%
CIMARRON	2	2	1	5	22,584	4,517	80.00%
CLEVELAND	1	0	0	1	6,325	6,325	100.00%
COAL	1	7	2	10	45,131	4,513	80.00%
COMANCHE	0	4	0	4	19,080	4,770	100.00%
COTTON	1	1	0	2	3,795	1,898	0.00%
CRAIG	0	3	0	3	1,812	604	0.00%
CREEK	10	6	4	20	54,265	2,713	80.00%
CUSTER	4	56	4	64	818,996	12,797	93.75%
DELAWARE	0	0	0	0	0	0	0.00%
DEWEY	4	39	4	47	498,352	10,603	91.49%
ELLIS	7	37	1	45	398,985	8,866	97.78%
GARFIELD	12	9	5	26	164,130	6,313	80.77%
GARVIN	55	4	5	64	548,586	8,572	92.19%
GRADY	35	46	8	89	1,029,701	11,570	91.01%
GRANT	3	12	4	19	91,593	4,821	78.95%
GREER	0	0	0	0	0	0	0.00%
HARMON	0	0	0	0	0	0	0.00%
HARPER	3	23	0	26	172,978	6,653	100.00%
HASKELL	0	23	0	23	79,235	3,445	100.00%
HUGHES	0	16	3	19	58,544	3,081	84.21%
JACKSON	2	0	0	2	17,900	8,950	100.00%
JEFFERSON	1	0	0	1	6,700	6,700	100.00%
JOHNSTON	1	0	0	1	9,606	9,606	100.00%
KAY	11	5	2	18	60,232	3,346	88.89%
KINGFISHER	8	10	2	20	172,064	8,603	90.00%
KIOWA	1	8	0	9	82,548	9,172	100.00%
LATIMER	0	62	1	63	507,057	8,049	98.41%
LEFLORE	0	18	0	18	116,442	6,469	100.00%
LINCOLN	25	6	4	35	169,112	4,832	88.57%
LOGAN	13	8	2	23	145,810	6,340	91.30%

LOVE	3	2	0	5	41,259	8,252	100.00%
MCCLAIN	19	6	4	29	279,633	9,643	86.21%
MCCURTAIN	0	0	0	0	0	0	0.00%
MCINTOSH	0	20	1	21	52,920	2,520	95.24%
MAJOR	32	44	2	78	670,493	8,596	97.44%
MARSHALL	1	1	0	2	8,886	4,443	100.00%
MAYES	0	0	0	0	0	0	0.00%
MURRAY	2	0	0	2	6,134	3,067	100.00%
MUSKOGEE	0	0	0	0	0	0	0.00%
NOBLE	21	21	7	49	144,285	2,945	85.71%
NOWATA	0	38	0	38	45,182	1,189	100.00%
OKFUSKEE	5	6	3	14	47,011	3,358	78.57%
OKLAHOMA	7	4	7	18	121,191	6,733	61.11%
OKMULGEE	3	4	0	7	14,104	2,015	100.00%
OSAGE	0	0	0	0	0	0	0.00%
OTTAWA	0	0	0	0	0	0	0.00%
PAWNEE	0	0	0	0	0	0	0.00%
PAYNE	11	3	7	21	75,024	3,573	66.67%
PITTSBURG	0	71	3	74	391,846	5,295	95.95%
PONTOTOC	9	5	5	19	76,781	4,041	73.68%
POTTAWATOMIE	5	1	5	11	49,290	4,481	54.55%
PUSHMATAHA	0	0	0	0	0	0	0.00%
ROGER MILLS	0	61	3	64	861,098	13,455	95.31%
ROGERS	0	10	0	10	11,490	1,149	0.00%
SEMINOLE	10	1	9	20	72,268	3,613	55.00%
SEQUOYAH	0	9	3	12	49,452	4,121	75.00%
STEPHENS	22	25	7	54	381,310	7,061	87.04%
TEXAS	45	68	19	132	834,336	6,321	85.61%
TILLMAN	0	0	0	0	0	0	0.00%
TULSA	2	51	4	57	101,836	1,787	92.98%
WAGONER	3	3	0	6	6,573	1,096	100.00%
WASHINGTON	0	13	5	18	22,981	1,277	72.22%
WASHITA	4	23	3	30	376,998	12,567	90.00%
WOODS	3	26	7	36	237,661	6,602	80.56%
WOODWARD	2	41	1	44	303,563	6,899	97.73%
TOTAL	479	1,152	188	1,819	13,236,744	7,277	89.66%
AVG./COUNTY	6	15	2	24	171,906		

Source: Oklahoma Corporation Commission

OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

ANNUAL SUMMARY OF COMPLETIONS BY COUNTIES  
FOR THE YEAR OF 1999

COUNTY	OIL	GAS	DRY	TOTAL	FOOTAGE	AVERAGE DEPTH	SUCCESS RATIO
ADAIR	0	0	0	0	0	0	0.00%
ALFALFA	1	1	1	3	20,663	6,888	66.67%
ATOKA	0	0	0	0	0	0	0.00%
BEAVER	4	84	1	89	622,292	6,992	98.88%
BECKHAM	4	14	3	21	257,808	12,277	85.71%
BLAINE	6	41	5	52	488,133	9,387	90.38%
BRYAN	0	0	0	0	0	0	0.00%
CADDO	3	22	2	27	355,434	13,164	92.59%
CANADIAN	7	23	3	33	345,026	10,455	90.91%
CARTER	19	11	6	36	150,890	4,191	83.33%
CHEROKEE	0	0	0	0	0	0	0.00%
CHOCTAW	0	0	0	0	0	0	0.00%
CIMARRON	0	8	2	10	44,574	4,457	80.00%
CLEVELAND	2	0	0	2	13,420	6,710	100.00%
COAL	1	3	0	4	23,787	5,947	100.00%
COMANCHE	0	5	1	6	61,757	10,293	83.33%
COTTON	0	0	0	0	0	0	0.00%
CRAIG	0	2	0	2	1,452	726	0.00%
CREEK	3	3	2	8	21,141	2,643	75.00%
CUSTER	4	37	3	44	555,724	12,630	93.18%
DELAWARE	0	0	0	0	0	0	0.00%
DEWEY	7	41	2	50	495,779	9,916	96.00%
ELLIS	4	30	1	35	341,178	9,748	97.14%
GARFIELD	5	3	2	10	58,450	5,845	80.00%
GARVIN	15	3	6	24	180,964	7,540	75.00%
GRADY	26	36	3	65	761,539	11,716	95.38%
GRANT	2	5	3	10	50,989	5,099	70.00%
GREER	0	0	0	0	0	0	0.00%
HARMON	0	0	0	0	0	0	0.00%
HARPER	0	32	0	32	230,240	7,195	100.00%
HASKELL	1	69	2	72	185,306	2,574	97.22%
HUGHES	4	11	3	18	62,142	3,452	83.33%
JACKSON	1	0	0	1	5,580	5,580	100.00%
JEFFERSON	0	0	0	0	0	0	0.00%
JOHNSTON	0	0	0	0	0	0	0.00%
KAY	6	4	3	13	24,960	1,920	76.92%
KINGFISHER	5	9	2	16	137,806	8,613	87.50%
KIOWA	2	9	2	13	123,094	9,469	84.62%
LATIMER	0	47	0	47	401,051	8,533	100.00%
LEFLORE	0	17	1	18	130,767	7,265	94.44%
LINCOLN	40	14	8	62	312,970	5,048	87.10%
LOGAN	15	9	9	33	192,474	5,833	72.73%

LOVE	1	5	0	6	60,185	10,031	100.00%
MCCLAIN	5	0	1	6	60,734	10,122	83.33%
MCCURTAIN	0	0	0	0	0	0	0.00%
MCINTOSH	0	28	4	32	81,564	2,549	87.50%
MAJOR	18	44	0	62	521,408	8,410	100.00%
MARSHALL	0	0	1	1	6,550	6,550	0.00%
MAYES	0	0	0	0	0	0	0.00%
MURRAY	3	0	0	3	10,662	3,554	100.00%
MUSKOGEE	0	1	0	1	3,869	3,869	100.00%
NOBLE	11	18	3	32	68,492	2,140	90.63%
NOWATA	1	36	8	45	55,926	1,243	82.22%
OKFUSKEE	6	5	7	18	49,614	2,756	61.11%
OKLAHOMA	6	4	0	10	69,094	6,909	100.00%
OKMULGEE	0	3	0	3	5,739	1,913	100.00%
OSAGE	0	0	0	0	0	0	0.00%
OTTAWA	0	0	0	0	0	0	0.00%
PAWNEE	0	0	0	0	0	0	0.00%
PAYNE	4	2	0	6	20,290	3,382	100.00%
PITTSBURG	0	86	1	87	384,292	4,417	98.85%
PONTOTOC	3	4	6	13	30,389	2,338	53.85%
POTTAWATOMIE	4	0	1	5	24,740	4,948	80.00%
PUSHMATAHA	0	1	0	1	4,918	4,918	100.00%
ROGER MILLS	1	35	4	40	537,730	13,443	90.00%
ROGERS	0	2	2	4	5,265	1,316	50.00%
SEMINOLE	16	1	8	25	99,243	3,970	68.00%
SEQUOYAH	0	6	3	9	23,424	2,603	66.67%
STEPHENS	15	12	8	35	185,668	5,305	77.14%
TEXAS	11	71	23	105	566,994	5,400	78.10%
TILLMAN	0	0	0	0	0	0	0.00%
TULSA	0	28	4	32	45,910	1,435	87.50%
WAGONER	0	1	0	1	1,862	1,862	100.00%
WASHINGTON	0	11	0	11	14,729	1,339	100.00%
WASHITA	2	37	1	40	521,395	13,035	97.50%
WOODS	5	46	3	54	354,081	6,557	94.44%
WOODWARD	2	56	0	58	411,954	7,103	100.00%
TOTAL	301	1,136	164	1,601	10,884,111	6,798	89.76%
AVG./COUNTY	4	15	2	21	141,352		

Source: Oklahoma Corporation Commission



OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

ANNUAL SUMMARY OF COMPLETIONS BY COUNTIES  
FOR THE YEAR OF 2000

COUNTY	OIL	GAS	DRY	TOTAL	FOOTAGE	AVERAGE DEPTH	SUCCESS RATIO
ADAIR	0	0	0	0	0	0	0.00%
ALFALFA	2	6	4	12	72,303	6,025	66.67%
ATOKA	0	2	0	2	16,512	8,256	100.00%
BEAVER	11	108	4	123	865,441	7,036	96.75%
BECKHAM	3	36	2	41	564,443	13,767	95.12%
BLAINE	6	46	2	54	517,454	9,582	96.30%
BRYAN	0	0	0	0	0	0	0.00%
CADDO	8	30	5	43	543,706	12,644	88.37%
CANADIAN	7	36	1	44	460,422	10,464	97.73%
CARTER	24	6	21	51	176,086	3,453	58.82%
CHEROKEE	0	0	0	0	0	0	0.00%
CHOCTAW	0	0	0	0	0	0	0.00%
CIMARRON	0	7	4	11	55,170	5,015	63.64%
CLEVELAND	1	0	1	2	17,430	8,715	50.00%
COAL	2	8	3	13	75,281	5,791	76.92%
COMANCHE	0	5	0	5	25,030	5,006	100.00%
COTTON	1	0	0	1	2,340	2,340	100.00%
CRAIG	0	2	0	2	1,314	657	100.00%
CREEK	8	5	2	15	42,427	2,828	86.67%
CUSTER	0	51	4	55	718,142	13,057	92.73%
DELAWARE	0	0	0	0	0	0	0.00%
DEWEY	4	51	1	56	537,713	9,602	98.21%
ELLIS	5	50	1	56	528,042	9,429	98.21%
GARFIELD	18	8	4	30	188,382	6,279	86.67%
GARVIN	49	7	4	60	441,512	7,359	93.33%
GRADY	26	59	6	91	1,042,125	11,452	93.41%
GRANT	1	8	3	12	54,236	4,520	75.00%
GREER	0	0	0	0	0	0	0.00%
HARMON	0	0	0	0	0	0	0.00%
HARPER	3	48	1	52	370,692	7,129	98.08%
HASKELL	0	86	1	87	258,024	2,966	98.85%
HUGHES	5	13	3	21	61,433	2,925	85.71%
JACKSON	0	0	0	0	0	0	0.00%
JEFFERSON	0	0	0	0	0	0	0.00%
JOHNSTON	1	0	0	1	5,811	5,811	100.00%
KAY	14	1	1	16	59,722	3,733	93.75%
KINGFISHER	9	9	1	19	163,341	8,597	94.74%
KIOWA	0	5	0	5	51,490	10,298	100.00%
LATIMER	0	86	2	88	755,050	8,580	97.73%
LEFLORE	0	34	0	34	230,996	6,794	100.00%
LINCOLN	76	13	8	97	479,432	4,943	91.75%
LOGAN	26	18	7	51	272,512	5,343	86.27%

LOVE	7	2	1	10	88,577	8,858	90.00%
MCCLAIN	17	4	2	23	244,509	10,631	91.30%
MCCURTAIN	0	0	0	0	0	0	0.00%
MCINTOSH	0	30	2	32	83,374	2,605	93.75%
MAJOR	24	71	0	95	805,634	8,480	100.00%
MARSHALL	0	2	0	2	10,442	5,221	100.00%
MAYES	0	0	0	0	0	0	0.00%
MURRAY	1	0	2	3	8,697	2,899	33.33%
MUSKOGEE	0	1	0	1	3,869	3,869	100.00%
NOBLE	29	23	3	55	142,561	2,592	94.55%
NOWATA	1	50	10	61	73,920	1,212	83.61%
OKFUSKEE	12	3	3	18	69,297	3,850	83.33%
OKLAHOMA	7	8	5	20	131,637	6,582	75.00%
OKMULGEE	6	7	2	15	35,883	2,392	86.67%
OSAGE	0	0	0	0	0	0	0.00%
OTTAWA	0	0	0	0	0	0	0.00%
PAWNEE	2	0	1	3	10,646	3,549	66.67%
PAYNE	14	1	2	17	60,579	3,563	88.24%
PITTSBURG	0	123	3	126	554,517	4,401	97.62%
PONTOTOC	3	3	3	9	22,794	2,533	66.67%
POTTAWATOMIE	7	3	1	11	46,834	4,258	90.91%
PUSHMATAHA	0	7	0	7	53,760	7,680	100.00%
ROGER MILLS	3	51	0	54	707,877	13,109	100.00%
ROGERS	1	7	0	8	8,910	1,114	100.00%
SEMINOLE	28	6	14	48	208,200	4,338	70.83%
SEQUOYAH	0	5	1	6	23,940	3,990	83.33%
STEPHENS	26	28	11	65	452,029	6,954	83.08%
TEXAS	17	106	18	141	777,406	5,514	87.23%
TILLMAN	0	0	0	0	0	0	0.00%
TULSA	0	2	2	4	5,208	1,302	50.00%
WAGONER	1	0	0	1	1,540	1,540	100.00%
WASHINGTON	2	1	3	6	8,850	1,475	50.00%
WASHITA	6	41	1	48	655,642	13,659	97.92%
WOODS	8	37	1	46	302,905	6,585	97.83%
WOODWARD	0	82	0	82	615,574	7,507	100.00%
TOTAL	532	1,548	187	2,267	15,869,625	7,000	91.75%
AVG./COUNTY	7	20	2	29	206,099		

Source: Oklahoma Corporation Commission

OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

ANNUAL SUMMARY OF COMPLETIONS BY COUNTIES  
FOR THE YEAR OF 2001

COUNTY	OIL	GAS	DRY	TOTAL	FOOTAGE	AVERAGE DEPTH	SUCCESS RATIO
ADAIR	0	0	0	0	0	0	0.00%
ALFALFA	8	1	2	11	73,519	6,684	81.82%
ATOKA	0	5	0	5	45,605	9,121	100.00%
BEAVER	20	159	14	193	1,383,734	7,170	92.75%
BECKHAM	4	39	5	48	666,412	13,884	89.58%
BLAINE	11	57	4	72	700,129	9,724	94.44%
BRYAN	0	5	2	7	35,155	5,022	71.43%
CADDO	5	47	4	56	761,196	13,593	92.86%
CANADIAN	14	55	4	73	760,742	10,421	94.52%
CARTER	41	13	26	80	213,313	2,666	67.50%
CHEROKEE	0	0	0	0	0	0	0.00%
CHOCTAW	0	0	0	0	0	0	0.00%
CIMARRON	0	6	1	7	29,116	4,159	85.71%
CLEVELAND	5	0	1	6	46,787	7,798	83.33%
COAL	0	13	0	13	81,952	6,304	100.00%
COMANCHE	3	1	2	6	23,818	3,970	66.67%
COTTON	0	0	0	0	0	0	0.00%
CRAIG	0	19	2	21	16,372	780	90.48%
CREEK	7	3	2	12	35,371	2,948	83.33%
CUSTER	0	40	2	42	560,602	13,348	95.24%
DELAWARE	0	0	0	0	0	0	0.00%
DEWEY	8	50	1	59	550,638	9,333	98.31%
ELLIS	11	52	2	65	588,274	9,050	96.92%
GARFIELD	28	12	0	40	225,756	5,644	100.00%
GARVIN	56	19	10	85	662,347	7,792	88.24%
GRADY	43	71	10	124	1,462,690	11,796	91.94%
GRANT	12	8	0	20	104,440	5,222	100.00%
GREER	0	0	0	0	0	0	0.00%
HARMON	0	0	0	0	0	0	0.00%
HARPER	3	49	3	55	394,610	7,175	94.55%
HASKELL	0	108	1	109	272,294	2,498	99.08%
HUGHES	2	26	4	32	106,715	3,335	87.50%
JACKSON	1	0	0	1	8,571	8,571	100.00%
JEFFERSON	0	0	0	0	0	0	0.00%
JOHNSTON	0	0	0	0	0	0	0.00%
KAY	5	4	3	12	41,152	3,429	75.00%
KINGFISHER	8	8	1	17	143,393	8,435	94.12%
KIOWA	0	1	0	1	10,111	10,111	100.00%
LATIMER	0	97	0	97	958,845	9,885	100.00%
LEFLORE	0	75	1	76	288,176	3,792	98.68%
LINCOLN	49	17	10	76	387,713	5,101	86.84%
LOGAN	35	26	10	71	392,818	5,533	85.92%

LOVE	6	0	1	7	62,974	8,996	85.71%
MCCLAIN	13	5	2	20	191,703	9,585	90.00%
MCCURTAIN	0	0	0	0	0	0	0.00%
MCINTOSH	1	35	2	38	97,649	2,570	94.74%
MAJOR	31	91	1	123	1,047,770	8,518	99.19%
MARSHALL	1	1	3	5	29,499	5,900	40.00%
MAYES	0	0	0	0	0	0	0.00%
MURRAY	0	1	0	1	4,100	4,100	100.00%
MUSKOGEE	0	3	0	3	7,065	2,355	100.00%
NOBLE	45	12	5	62	208,068	3,356	91.94%
NOWATA	6	42	5	53	60,639	1,144	90.57%
OKFUSKEE	16	18	2	36	120,398	3,344	94.44%
OKLAHOMA	11	5	5	21	135,799	6,467	76.19%
OKMULGEE	7	8	0	15	35,035	2,336	100.00%
OSAGE	0	0	0	0	0	0	0.00%
OTTAWA	0	0	0	0	0	0	0.00%
PAWNEE	1	0	1	2	8,131	4,066	50.00%
PAYNE	10	2	3	15	58,571	3,905	80.00%
PITTSBURG	0	172	4	176	796,100	4,523	97.73%
PONTOTOC	8	3	1	12	47,234	3,936	91.67%
POTTAWATOMIE	11	2	1	14	66,974	4,784	92.86%
PUSHMATAHA	0	9	2	11	102,703	9,337	81.82%
ROGER MILLS	5	79	2	86	1,131,240	13,154	97.67%
ROGERS	0	23	0	23	25,277	1,099	100.00%
SEMINOLE	36	16	10	62	267,209	4,310	83.87%
SEQUOYAH	0	10	0	10	47,830	4,783	100.00%
STEPHENS	61	38	22	121	720,676	5,956	81.82%
TEXAS	48	95	29	172	1,012,593	5,887	83.14%
TILLMAN	0	0	0	0	0	0	0.00%
TULSA	5	2	0	7	10,841	1,549	100.00%
WAGONER	0	0	1	1	780	780	0.00%
WASHINGTON	1	31	3	35	49,566	1,416	91.43%
WASHITA	7	52	4	63	822,601	13,057	93.65%
WOODS	8	58	3	69	429,049	6,218	95.65%
WOODWARD	6	116	2	124	929,404	7,495	98.39%
TOTAL	723	2,015	241	2,979	20,559,844	6,902	91.91%
AVG./COUNTY	9	26	3	39	267,011		

Source: Oklahoma Corporation Commission

OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

ANNUAL SUMMARY OF COMPLETIONS BY COUNTIES  
FOR THE YEAR OF 2002

COUNTY	OIL	GAS	DRY	TOTAL	FOOTAGE	AVERAGE DEPTH	SUCCESS RATIO
ADAIR	0	0	0	0	0	0	0.00%
ALFALFA	6	3	4	13	74,230	5,710	69.23%
ATOKA	0	0	0	0	0	0	0.00%
BEAVER	18	87	21	126	911,736	7,236	83.33%
BECKHAM	5	36	2	43	666,500	15,500	95.35%
BLAINE	14	31	8	53	510,761	9,637	84.91%
BRYAN	0	1	1	2	5,724	2,862	50.00%
CADDO	8	35	6	49	644,203	13,147	87.76%
CANADIAN	13	50	3	66	685,476	10,386	95.45%
CARTER	31	8	15	54	137,592	2,548	72.22%
CHEROKEE	0	0	0	0	0	0	0.00%
CHOCTAW	0	0	0	0	0	0	0.00%
CIMARRON	1	1	3	5	20,790	4,158	40.00%
CLEVELAND	2	0	1	3	19,344	6,448	66.67%
COAL	0	22	3	25	117,350	4,694	88.00%
COMANCHE	1	3	4	8	34,176	4,272	50.00%
COTTON	0	0	1	1	2,379	2,379	0.00%
CRAIG	0	25	0	25	19,275	771	100.00%
CREEK	1	2	8	11	32,219	2,929	27.27%
CUSTER	8	47	6	61	793,244	13,004	90.16%
DELAWARE	0	0	0	0	0	0	0.00%
DEWEY	12	23	10	45	443,025	9,845	77.78%
ELLIS	5	34	9	48	475,632	9,909	81.25%
GARFIELD	6	5	4	15	85,680	5,712	73.33%
GARVIN	20	6	13	39	275,769	7,071	66.67%
GRADY	38	34	10	82	928,158	11,319	87.80%
GRANT	11	14	5	30	141,930	4,731	83.33%
GREER	0	0	0	0	0	0	0.00%
HARMON	0	0	0	0	0	0	0.00%
HARPER	6	25	7	38	276,754	7,283	81.58%
HASKELL	0	74	8	82	267,566	3,263	90.24%
HUGHES	7	12	10	29	213,875	7,375	65.52%
JACKSON	0	0	0	0	0	0	0.00%
JEFFERSON	5	0	0	5	11,970	2,394	100.00%
JOHNSTON	1	0	0	1	4,990	4,990	100.00%
KAY	3	1	6	10	40,640	4,064	40.00%
KINGFISHER	3	9	2	14	122,458	8,747	85.71%
KIOWA	0	1	0	1	11,325	11,325	100.00%
LATIMER	0	51	4	55	562,485	10,227	92.73%
LEFLORE	0	40	10	50	294,650	5,893	80.00%
LINCOLN	19	13	6	38	182,096	4,792	84.21%
LOGAN	20	14	12	46	275,540	5,990	73.91%

LOVE	6	1	3	10	79,600	7,960	70.00%
MCCLAIN	11	6	1	18	189,000	10,500	94.44%
MCCURTAIN	0	0	0	0	0	0	0.00%
MCINTOSH	0	33	10	43	108,833	2,531	76.74%
MAJOR	14	63	7	84	690,396	8,219	91.67%
MARSHALL	1	3	0	4	25,192	6,298	100.00%
MAYES	0	0	0	0	0	0	0.00%
MURRAY	2	0	2	4	14,972	3,743	50.00%
MUSKOGEE	0	1	2	3	6,954	2,318	33.33%
NOBLE	40	3	3	46	142,554	3,099	93.48%
NOWATA	0	48	2	50	59,250	1,185	96.00%
OKFUSKEE	4	7	5	16	58,096	3,631	68.75%
OKLAHOMA	8	6	11	25	175,750	7,030	56.00%
OKMULGEE	4	7	9	20	39,640	1,982	55.00%
OSAGE	0	0	0	0	0	0	0.00%
OTTAWA	0	0	0	0	0	0	0.00%
PAWNEE	0	0	0	0	0	0	0.00%
PAYNE	10	1	8	19	72,428	3,812	57.89%
PITTSBURG	0	101	17	118	536,428	4,546	85.59%
PONTOTOC	7	8	6	21	62,811	2,991	71.43%
POTTAWATOMIE	7	3	6	16	78,160	4,885	62.50%
PUSHMATAHA	0	0	1	1	8,240	8,240	0.00%
ROGER MILLS	8	74	5	87	1,148,052	13,196	94.25%
ROGERS	2	11	0	13	14,820	1,140	100.00%
SEMINOLE	9	5	2	16	72,304	4,519	87.50%
SEQUOYAH	0	4	3	7	39,354	5,622	57.14%
STEPHENS	86	18	11	115	468,970	4,078	90.43%
TEXAS	25	113	50	188	1,127,060	5,995	73.40%
TILLMAN	3	0	2	5	26,180	5,236	60.00%
TULSA	3	0	1	4	5,672	1,418	75.00%
WAGONER	0	0	0	0	0	0	0.00%
WASHINGTON	1	20	3	24	35,208	1,467	87.50%
WASHITA	3	32	3	38	474,240	12,480	92.11%
WOODS	13	62	6	81	500,418	6,178	92.59%
WOODWARD	5	79	8	92	674,728	7,334	91.30%
TOTAL	536	1,416	389	2,341	16,224,852	6,931	83.38%
AVG./COUNTY	7	18	5	30	210,712		

Source: Oklahoma Corporation Commission

OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

ANNUAL SUMMARY OF COMPLETIONS BY COUNTIES  
FOR THE YEAR OF 2003

COUNTY	OIL	GAS	DRY	TOTAL	FOOTAGE	AVERAGE DEPTH	SUCCESS RATIO
ADAIR	0	0	0	0	0	0	0.00%
ALFALFA	1	4	1	6	35,057	5,843	83.33%
ATOKA	0	0	0	0	0	0	0.00%
BEAVER	9	62	8	79	564,640	7,147	89.87%
BECKHAM	0	53	3	56	813,732	14,531	94.64%
BLAINE	3	37	3	43	417,033	9,698	93.02%
BRYAN	1	1	0	2	9,325	4,663	100.00%
CADDO	12	49	3	64	847,031	13,235	95.31%
CANADIAN	6	34	3	43	457,582	10,641	93.02%
CARTER	19	6	2	27	91,787	3,400	92.59%
CHEROKEE	0	0	0	0	0	0	0.00%
CHOCTAW	0	0	0	0	0	0	0.00%
CIMARRON	0	1	3	4	18,571	4,643	25.00%
CLEVELAND	1	0	0	1	9,812	9,812	100.00%
COAL	1	14	6	21	115,689	5,509	71.43%
COMANCHE	0	4	1	5	30,302	6,060	80.00%
COTTON	0	0	0	0	0	0	0.00%
CRAIG	0	11	0	11	8,365	760	100.00%
CREEK	9	0	0	9	24,788	2,754	100.00%
CUSTER	2	51	7	60	773,028	12,884	88.33%
DELAWARE	0	0	0	0	0	0	0.00%
DEWEY	14	32	6	52	531,846	10,228	88.46%
ELLIS	10	43	10	63	611,390	9,705	84.13%
GARFIELD	6	5	2	13	81,404	6,262	84.62%
GARVIN	47	8	2	57	496,098	8,703	96.49%
GRADY	21	27	6	54	628,663	11,642	88.89%
GRANT	8	26	8	42	210,571	5,014	80.95%
GREER	0	0	0	0	0	0	0.00%
HARMON	0	0	0	0	0	0	0.00%
HARPER	2	28	8	38	269,442	7,091	78.95%
HASKELL	0	112	12	124	450,723	3,635	90.32%
HUGHES	5	22	3	30	108,503	3,617	90.00%
JACKSON	1	0	1	2	14,170	7,085	50.00%
JEFFERSON	6	0	2	8	14,545	1,818	75.00%
JOHNSTON	0	0	0	0	0	0	0.00%
KAY	3	1	2	6	24,931	4,155	66.67%
KINGFISHER	5	16	0	21	183,116	8,720	100.00%
KIOWA	0	0	0	0	0	0	0.00%
LATIMER	0	58	3	61	554,801	9,095	95.08%
LEFLORE	0	68	3	71	286,083	4,029	95.77%
LINCOLN	5	18	2	25	145,161	5,806	92.00%
LOGAN	9	29	3	41	238,986	5,829	92.68%

LOVE	1	1	2	4	30,048	7,512	50.00%
MCCLAIN	6	2	5	13	129,641	9,972	61.54%
MCCURTAIN	0	0	0	0	0	0	0.00%
MCINTOSH	0	22	12	34	104,041	3,060	64.71%
MAJOR	18	24	0	42	352,995	8,405	100.00%
MARSHALL	6	1	0	7	44,548	6,364	100.00%
MAYES	0	0	0	0	0	0	0.00%
MURRAY	2	0	0	2	11,313	5,657	100.00%
MUSKOGEE	1	1	3	5	7,148	1,430	40.00%
NOBLE	25	12	4	41	109,785	2,678	90.24%
NOWATA	2	66	0	68	86,371	1,270	100.00%
OKFUSKEE	1	6	3	10	25,554	2,555	70.00%
OKLAHOMA	10	3	2	15	101,830	6,789	86.67%
OKMULGEE	7	12	3	22	45,849	2,084	86.36%
OSAGE	0	0	0	0	0	0	0.00%
OTTAWA	0	0	0	0	0	0	0.00%
PAWNEE	1	2	1	4	13,642	3,411	75.00%
PAYNE	12	2	5	19	70,693	3,721	73.68%
PITTSBURG	0	134	22	156	809,549	5,189	85.90%
PONTOTOC	37	4	5	46	152,786	3,321	89.13%
POTTAWATOMIE	5	8	2	15	78,789	5,253	86.67%
PUSHMATAHA	0	0	0	0	0	0	0.00%
ROGER MILLS	3	91	7	101	1,359,726	13,463	93.07%
ROGERS	1	16	1	18	20,651	1,147	94.44%
SEMINOLE	12	6	4	22	84,381	3,836	81.82%
SEQUOYAH	0	2	1	3	19,554	6,518	66.67%
STEPHENS	41	13	1	55	393,548	7,155	98.18%
TEXAS	13	92	32	137	786,520	5,741	76.64%
TILLMAN	1	0	0	1	5,225	5,225	100.00%
TULSA	0	4	0	4	5,656	1,414	100.00%
WAGONER	0	0	1	1	1,860	1,860	0.00%
WASHINGTON	0	57	2	59	88,784	1,505	96.61%
WASHITA	2	36	5	43	532,312	12,379	88.37%
WOODS	3	42	10	55	338,485	6,154	81.82%
WOODWARD	8	90	4	102	722,798	7,086	96.08%
TOTAL	424	1,569	250	2,243	15,601,257	6,956	88.85%
AVG./COUNTY	6	20	3	29	202,614		

Source: Oklahoma Corporation Commission



OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT

ANNUAL SUMMARY OF COMPLETIONS BY COUNTIES  
FOR THE YEAR OF 2004

COUNTY	OIL	GAS	DRY	TOTAL	FOOTAGE	AVERAGE DEPTH	SUCCESS RATIO
ADAIR	0	0	0	0	0	0	0.00%
ALFALFA	3	5	0	8	51,513	6,439	100.00%
ATOKA	0	3	0	3	23,268	7,756	0.00%
BEAVER	10	61	5	76	536,944	7,065	93.42%
BECKHAM	2	47	2	51	784,490	15,382	96.08%
BLAINE	6	32	2	40	378,515	9,463	95.00%
BRYAN	0	4	2	6	31,434	5,239	66.67%
CADDO	16	50	2	68	842,287	12,387	97.06%
CANADIAN	9	40	8	57	611,822	10,734	85.96%
CARTER	26	0	10	36	165,558	4,599	72.22%
CHEROKEE	0	0	0	0	0	0	0.00%
CHOCTAW	0	0	0	0	0	0	0.00%
CIMARRON	0	8	0	8	37,048	4,631	100.00%
CLEVELAND	6	0	0	6	45,996	7,666	100.00%
COAL	4	6	0	10	69,352	6,935	100.00%
COMANCHE	1	2	0	3	26,748	8,916	100.00%
COTTON	1	1	0	2	4,780	2,390	0.00%
CRAIG	0	6	0	6	4,710	785	100.00%
CREEK	2	4	2	8	25,243	3,155	75.00%
CUSTER	4	44	0	48	636,560	13,262	100.00%
DELAWARE	0	0	0	0	0	0	0.00%
DEWEY	12	21	0	33	338,202	10,249	100.00%
ELLIS	11	31	1	43	402,096	9,351	97.67%
GARFIELD	4	5	0	9	51,082	5,676	100.00%
GARVIN	25	11	5	41	341,445	8,328	87.80%
GRADY	6	40	3	49	614,781	12,547	93.88%
GRANT	5	17	2	24	121,300	5,054	91.67%
GREER	0	0	0	0	0	0	0.00%
HARMON	0	0	0	0	0	0	0.00%
HARPER	8	18	1	27	191,922	7,108	96.30%
HASKELL	1	89	1	91	395,364	4,345	98.90%
HUGHES	0	15	4	19	62,609	3,295	78.95%
JACKSON	0	0	1	1	2,300	2,300	0.00%
JEFFERSON	11	0	0	11	13,057	1,187	100.00%
JOHNSTON	0	0	0	0	0	0	0.00%
KAY	8	2	0	10	34,472	3,447	100.00%
KINGFISHER	4	16	1	21	203,580	9,694	95.24%
KIOWA	0	3	0	3	17,745	5,915	0.00%
LATIMER	0	57	2	59	604,767	10,250	96.61%
LEFLORE	0	36	0	36	208,836	5,801	100.00%
LINCOLN	9	9	3	21	109,194	5,200	85.71%
LOGAN	8	22	6	36	240,041	6,668	83.33%

LOVE	2	0	0	2	19,286	9,643	100.00%
MCCLAIN	9	4	2	15	163,098	10,873	86.67%
MCCURTAIN	0	0	0	0	0	0	0.00%
MCINTOSH	0	28	1	29	83,824	2,890	96.55%
MAJOR	17	43	1	61	498,099	8,166	98.36%
MARSHALL	0	2	1	3	20,584	6,861	66.67%
MAYES	0	0	0	0	0	0	0.00%
MURRAY	0	1	0	1	4,735	4,735	100.00%
MUSKOGEE	0	2	0	2	3,090	1,545	100.00%
NOBLE	29	7	2	38	120,702	3,176	94.74%
NOWATA	1	39	1	41	52,089	1,270	97.56%
OKFUSKEE	3	5	1	9	29,404	3,267	88.89%
OKLAHOMA	5	4	0	9	61,636	6,848	100.00%
OKMULGEE	1	5	2	8	20,409	2,551	75.00%
OSAGE	0	0	0	0	0	0	0.00%
OTTAWA	0	0	0	0	0	0	0.00%
PAWNEE	0	0	2	2	7,093	3,547	0.00%
PAYNE	6	7	2	15	95,942	6,396	86.67%
PITTSBURG	1	157	3	161	913,966	5,677	98.14%
PONTOTOC	24	2	8	34	100,266	2,949	76.47%
POTTAWATOMIE	9	17	3	29	182,162	6,281	89.66%
PUSHMATAHA	0	0	0	0	0	0	0.00%
ROGER MILLS	5	101	1	107	1,463,487	13,677	99.07%
ROGERS	0	17	2	19	21,091	1,110	89.47%
SEMINOLE	21	5	6	32	133,123	4,160	81.25%
SEQUOYAH	0	1	0	1	1,820	1,820	100.00%
STEPHENS	65	30	18	113	756,241	6,692	84.07%
TEXAS	39	96	14	149	754,934	5,067	90.60%
TILLMAN	2	0	2	4	20,404	5,101	50.00%
TULSA	7	2	0	9	11,334	1,259	100.00%
WAGONER	0	0	0	0	0	0	0.00%
WASHINGTON	3	41	3	47	71,361	1,518	93.62%
WASHITA	1	54	1	56	678,114	12,109	98.21%
WOODS	12	64	0	76	520,796	6,853	100.00%
WOODWARD	9	104	3	116	835,620	7,204	97.41%
TOTAL	473	1,543	142	2,158	15,873,771	7,356	93.42%
AVG./COUNTY	6	20	2	28	206,153		

Source: Oklahoma Corporation Commission

**OKLAHOMA CORPORATION COMMISSION**

**OIL & GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT**

**TOP 100 GAS PRODUCERS  
FOR THE YEAR 2004**

RANK 2004	RANK 2003	PRODUCER	TOTAL GAS PRODUCED (MCF)	CASINGHEAD GAS PRODUCED (MCF)	NATURAL GAS PRODUCED (MCF)	PERCENT OF OKLAHOMA GAS MARKET
1	1	CHESAPEAKE OPERATING INC	309,770,189	713,210	309,056,979	18.80865%
2	2	BP AMERICA PRODUCTION COMPANY	108,065,525	793,084	107,272,441	6.56153%
3	3	APACHE CORPORATION	78,401,271	531,023	77,870,248	4.76037%
4	4	KAISER-FRANCIS OIL COMPANY	45,475,193	376,157	45,099,036	2.76117%
5	6	SAMSON RESOURCES COMPANY	43,745,767	891,110	42,854,657	2.65616%
6	7	BURLINGTON RESOURCES OIL & GAS COMPANY	40,548,462	26,095	40,522,367	2.46202%
7	5	MARATHON OIL COMPANY	37,352,580	641,300	36,711,280	2.26798%
8	8	DOMINION OKLAHOMA TEXAS EXPLORATION AND PRODUCTION INC.	32,929,418	296,766	32,632,652	1.99941%
9	11	XTO ENERGY INC.	32,627,266	862,443	31,764,823	1.98106%
10	17	CIMAREX ENERGY COMPANY	30,244,323	464,533	29,779,790	1.83638%
11	13	NEWFIELD EXPLORATION MID-CONTINENT INC.	29,717,738	52,632	29,665,106	1.80440%
12		ST MARY LAND AND EXPLORATION COMPANY	26,144,642	164,191	25,980,451	1.58745%
13	15	QUESTAR EXPLORATION AND PRODUCTION INC.	25,425,994	81,783	25,344,211	1.54382%
14	12	CHEVRON TEXACO	24,659,582	738,220	23,921,362	1.49728%
15	9	DOMINION EXPLORATION MIDCONTINENT	22,929,788	82,504	22,847,284	1.39225%
16	14	EOG RESOURCES INC.	21,160,442	344,371	20,816,071	1.28482%
17	18	ANADARKO PETROLEUM CORPORATION	18,473,532	394,156	18,079,376	1.12168%
18	16	CONOCOPHILLIPS COMPANY	18,345,843	347,554	17,998,289	1.11392%
19	23	UNIT PETROLEUM COMPANY	15,477,062	292,472	15,184,590	0.93974%
20	27	CHAPARRAL ENERGY LLC	15,452,436	373,505	15,078,931	0.93824%
21	20	DEVON LOUISIANA CORPORATION	15,429,504	277,998	15,151,506	0.93685%
22	26	WARD PETROLEUM CORPORATION	14,276,632	624,517	13,652,115	0.86685%
23	22	CRAWLEY PETROLEUM CORPORATION	14,029,955	998,996	13,030,959	0.85187%
24	21	KERR MCGEE OIL AND GAS ONSHORE LLC	13,099,970	80,610	13,019,360	0.79540%
25	19	GHK COMPANY (THE)	12,645,286	0	12,645,286	0.76780%
26	24	EXXONMOBIL CORPORATION	11,596,468	38,638	11,557,830	0.70412%
27	28	WILLIAMS PRODUCTION MID-CONTINENT COMPANY	11,387,132	0	11,387,132	0.69140%
28	25	GUNGOLL CARL E EXPLORATION INC	10,742,425	917,277	9,825,148	0.65226%
29	31	JMA ENERGY COMPANY LLC	10,543,385	50,044	10,493,341	0.64017%
30	30	ALTEX RESOURCES INC	10,319,210	21,919	10,297,291	0.62656%
31	29	RANGE PRODUCTION COMPANY	9,530,449	741,296	8,789,153	0.57867%
32	83	ZINKE & TRUMBO INC.	8,811,485	17,371	8,794,114	0.53502%
33	33	GRUY PETROLEUM MANAGEMENT COMPANY	8,551,628	845,439	7,706,189	0.51924%
34	47	PATINA OIL AND GAS CORPORATION	8,412,958	749,762	7,663,196	0.51082%
35	35	EL PASO PRODUCTION COMPANY	8,351,008	0	8,351,008	0.50706%
36	53	NEW DOMINION LLC	8,316,460	685,934	7,630,526	0.50496%
37	36	KEY PRODUCTION COMPANY INC.	8,120,755	8,577	8,112,178	0.49308%
38	34	CABOT OIL & GAS CORPORATION	7,996,160	303,451	7,692,709	0.48551%
39	32	SPECIAL ENERGY CORPORATION	7,881,969	707,090	7,174,879	0.47858%
40	49	WESTERN OIL AND GAS DEVELOPMENT COMPANY	7,664,307	118,267	7,546,040	0.46536%
41	38	CONTINENTAL RESOURCES INC.	6,174,797	115,879	6,058,918	0.37492%
42	37	OXY USA INC	6,160,215	81,484	6,078,731	0.37404%
43		MERIT ENERGY COMPANY	6,065,658	635,322	5,430,336	0.36830%
44	42	DEVON ENERGY PRODUCTION COMPANY LP	5,399,580	72,604	5,326,976	0.32785%
45	39	MACK ENERGY INC.	5,350,989	753,685	4,597,304	0.32490%
46	44	ELDER, CRAIG OIL & GAS LLC	5,313,511	217,531	5,095,980	0.32263%
47	40	MUSTANG FUEL CORPORATION	5,311,668	56,190	5,255,478	0.32251%
48	41	DORCHESTER MINERALS OPERATING LP	5,131,168	0	5,131,168	0.31155%
49	58	CITATION OIL & GAS CORPORATION	5,072,180	970,445	4,101,735	0.30797%
50	51	MEWBOURNE OIL COMPANY	4,917,522	986,520	3,931,002	0.29858%
51	50	ONEOK ENERGY RESOURCES COMPANY	4,907,914	433,131	4,474,783	0.29800%

# OKLAHOMA CORPORATION COMMISSION

## OIL & GAS CONSERVATION DIVISION TECHNICAL SERVICES DEPARTMENT

### TOP 100 GAS PRODUCERS FOR THE YEAR 2004

RANK 2004	RANK 2003	PRODUCER	TOTAL GAS PRODUCED (MCF)	CASINGHEAD GAS PRODUCED (MCF)	NATURAL GAS PRODUCED (MCF)	PERCENT OF OKLAHOMA GAS MARKET
52	45	BRG PETROLEUM CORPORATION	4,751,745	536,287	4,215,458	0.28852%
53	54	COMANCHE EXPLORATION LLC	4,546,589	137,196	4,409,393	0.27606%
54	57	DUNCAN OIL PROPERTIES INC	4,535,929	144,553	4,391,376	0.27541%
55	46	STEPHENS PRODUCTION COMPANY	4,197,413	13,635	4,183,778	0.25486%
56	52	MARJO OPERATING COMPANY INC.	4,194,171	423,457	3,770,714	0.25466%
57	48	FAULCONER VERNON E INC	3,842,022	199,296	3,642,726	0.23328%
58	66	AMVEST OSAGE INC.	3,794,426	147,393	3,647,033	0.23039%
59		QUEST CHEROKEE LLC	3,646,095	3,552	3,642,543	0.22138%
60	55	MEADE ENERGY CORPORATION	3,397,098	50,097	3,347,001	0.20627%
61	56	NEG OPERATING LLC	3,394,168	782,625	2,611,543	0.20609%
62	78	B AND W OPERATING LLC	3,377,591	150,242	3,227,349	0.20508%
63	65	PRIME ENERGY CORPORATION	3,323,697	313,692	3,010,005	0.20181%
64	76	WHITING PETROLEUM CORPORATION	2,884,642	688,827	2,195,815	0.17515%
65	59	FOUR STAR OIL AND GAS COMPANY	2,856,939	13,943	2,842,996	0.17347%
66	60	PROSPECTIVE INVESTMENT AND TRADING	2,701,617	191,954	2,509,663	0.16404%
67	68	REDWINE RESOURCES INC.	2,636,966	0	2,636,966	0.16011%
68	80	PETROCORP INC.	2,601,902	409,018	2,192,884	0.15798%
69	61	WILLIFORD ENERGY COMPANY	2,560,709	549,246	2,011,463	0.15548%
70	85	MARLIN OIL CORPORATION	2,533,286	189,220	2,344,066	0.15382%
71		UNITED OIL AND GAS INC.	2,486,556	148,110	2,338,446	0.15098%
72		SANGUINE GAS EXPLORATION LLC	2,482,765	38,519	2,444,246	0.15075%
73	79	XAE CORPORATION	2,439,701	0	2,439,701	0.14813%
74		ENDEAVOR ENERGY RESOURCES LLC	2,428,533	41,705	2,386,828	0.14746%
75	67	STRAT LAND EXPLORATION COMPANY	2,399,213	86,005	2,313,208	0.14568%
76	69	WYNN-CROSBY ENERGY INC.	2,375,477	123,013	2,252,464	0.14423%
77	75	K AND E FIELD SERVICES INC.	2,308,288	14,731	2,293,557	0.14015%
78	81	TAG TEAM RESOURCES LLC	2,293,772	0	2,293,772	0.13927%
79	84	LATIGO OIL AND GAS INC	2,254,040	17,760	2,236,280	0.13686%
80	71	EXPLORATION ASSOCIATES II LLC	2,185,679	817,659	1,368,020	0.13271%
81	63	KCS RESOURCES INC.	2,168,127	0	2,168,127	0.13164%
82	73	CITRUS ENERGY CORPORATION	2,113,864	52,478	2,061,386	0.12835%
83		BLAKE PRODUCTION COMPANY INC.	2,100,651	236,837	1,863,814	0.12755%
84	64	FOREST OIL COMPANY	2,077,897	0	2,077,897	0.12617%
85		D AND J OIL COMPANY INC.	2,067,742	280,636	1,787,106	0.12555%
86	77	KIRKPATRICK OIL COMPANY INC.	2,035,215	421,520	1,613,695	0.12357%
87	72	SUNDOWN ENERGY	1,992,716	41,412	1,951,304	0.12099%
88	96	AEXCO PETROLEUM INC	1,987,248	38,871	1,948,377	0.12066%
89		LAMAMCO DRILLING COMPANY	1,944,516	509,849	1,434,667	0.11807%
90		HARDING AND SHELTON INC.	1,928,638	187,492	1,741,146	0.11710%
91	90	FAULKNER CORPORATION	1,918,962	503,889	1,415,073	0.11652%
92		GAW OIL COMPANY INC.	1,911,518	203,546	1,707,972	0.11606%
93	100	CORY KENNETH W. LTD.	1,876,650	29,513	1,847,137	0.11395%
94	86	RUFFEL LANCE OIL AND GAS CORPORATION	1,836,486	152,251	1,684,235	0.11151%
95	88	LOBO EXPLORATION COMPANY	1,804,862	0	1,804,862	0.10959%
96	93	JAY PETROLEUM INC	1,789,342	145,960	1,643,382	0.10865%
97	89	WESTPORT OIL AND GAS COMPANY INC.	1,771,330	525,756	1,245,574	0.10755%
98		SEDNA ENERGY INC.	1,756,766	0	1,756,766	0.10667%
99	70	VINTAGE PETROLEUM COMPANY INC.	1,754,498	16,040	1,738,458	0.10653%
100	99	WALKER KEITH F. OIL AND GAS COMPANY LLC	1,724,292	172,389	1,551,903	0.10470%

**OKLAHOMA CORPORATION COMMISSION**  
**OIL & GAS CONSERVATION DIVISION**  
**TECHNICAL SERVICES DEPARTMENT**

**TOP 100 GAS PRODUCERS**  
**FOR THE YEAR 2004**

RANK 2004	RANK 2003	PRODUCER	TOTAL GAS PRODUCED (MCF)	CASINGHEAD GAS PRODUCED (MCF)	NATURAL GAS PRODUCED (MCF)	PERCENT OF OKLAHOMA GAS MARKET
TOTAL GAS PRODUCED FOR TOP 100 PRODUCERS			1,372,451,750	29,727,260	1,342,724,490	83.33261%
TOTAL ALL GAS PRODUCERS			1,646,956,321	57,101,287	1,589,855,034	100.00000%

**NOTE:** Previous year ranking is the ranking achieved for that year and is not adjusted.

Source: IHS Energy

**OKLAHOMA CORPORATION COMMISSION**  
**OIL AND GAS CONSERVATION DIVISION**  
**TECHNICAL SERVICES DEPARTMENT**

**THE TOP 100 OIL PRODUCERS**  
**FOR THE YEAR 2004**

RANK 2004	RANK 2003	PRODUCER	TOTAL LIQUIDS (BARRELS)	CRUDE OIL PRODUCTION (BARRELS)	CONDENSATE PRODUCTION (BARRELS)	PERCENT OF OKLAHOMA OIL MARKET
1	1	CITATION OIL & GAS CORPORATION	3,818,030	3,812,293	5,737	5.98279%
2	2	CHESAPEAKE OPERATING INC	3,130,053	3,113,124	16,929	4.90474%
3	3	ANADARKO PETROLEUM CORPORATION	2,331,952	2,320,560	11,392	3.65413%
4	4	EXXONMOBIL CORPORATION	1,325,553	1,318,527	7,026	2.07712%
5	7	CHAPARRAL ENERGY INC	1,289,544	1,279,549	9,995	2.02069%
6	5	MACK ENERGY INC	1,259,336	1,252,105	7,231	1.97336%
7	6	AETHON I LIMITED PARTNERSHIP	1,216,251	1,216,251	0	1.90584%
8	15	PATINA OIL AND GAS CORPORATION	1,052,665	1,035,236	17,429	1.64951%
9	11	DOMINION OKLAHOMA TEXAS E AND P INC.	989,393	986,529	2,864	1.55036%
10	9	LAMAMCO DRILLING COMPANY	960,474	955,301	5,173	1.50505%
11	16	EOG RESOURCES INC.	907,526	901,831	5,695	1.42208%
12	8	CALUMET OIL COMPANY	884,868	883,003	1,865	1.38657%
13		CELERO ENERGY LTD PARTNERSHIP	818,097	810,763	7,334	1.28194%
14	24	CHEVRON TEXACO	809,741	798,550	11,191	1.26885%
15	10	MARATHON OIL COMPANY	763,404	749,436	13,968	1.19624%
16	12	WESTPORT OIL AND GAS COMPANY INC.	686,026	681,708	4,318	1.07499%
17	17	SAMSON RESOURCES COMPANY	678,732	671,158	7,574	1.06356%
18	18	JONES L.E. OPERATING INC.	647,718	627,860	19,858	1.01496%
19	20	LE NORMAN ENERGY CORPORATION	645,846	644,810	1,036	1.01203%
20	14	APACHE CORPORATION	634,438	622,321	12,117	0.99415%
21	22	STEPHENS AND JOHNSON OPERATING COMPANY	507,650	495,814	11,836	0.79548%
22	13	NEWFIELD EXPLORATION MID-CONTINENT INC.	492,481	483,475	9,006	0.77171%
23	23	WARD PETROLEUM CORPORATION	486,125	478,648	7,477	0.76175%
24	21	QUESTAR EXPLORATION AND PRODUCTION COMPANY	419,206	405,662	13,544	0.65689%
25	27	XTO ENERGY INC.	415,006	398,898	16,108	0.65031%
26	35	HARMON C.E. OIL INC	374,522	368,736	5,786	0.58687%
27	50	CONOCOPHILLIPS COMPANY	364,258	343,646	20,612	0.57079%
28	25	ALTEX RESOURCES INC	361,484	359,034	2,450	0.56644%
29	28	KERR-MCGEE OIL AND GAS ONSHORE LLC	358,348	355,812	2,536	0.56153%
30	26	KAISER-FRANCIS OIL COMPANY	349,860	330,283	19,577	0.54822%
31	38	GRUY PETROLEUM MANAGEMENT COMPANY	334,007	328,806	5,201	0.52338%
32	30	PETROCORP INC.	331,254	328,836	2,418	0.51907%
33	40	BINGER OPERATIONS LLC	321,690	321,690	0	0.50408%
34	32	BEREXCO INC	320,936	320,072	864	0.50290%
35	31	CONTINENTAL RESOURCES INC.	315,229	298,081	17,148	0.49396%
36	71	MERIT ENERGY COMPANY	280,143	268,345	11,798	0.43898%
37		UNION OIL COMPANY OF CALIFORNIA	264,352	264,352	0	0.41424%
38	37	CRAWLEY PETROLEUM CORPORATION	259,567	237,447	22,120	0.40674%
39		OWL CREEK PRODUCTION COMPANY INC.	252,977	252,977	0	0.39641%
40		PRIME OPERATING COMPANY	249,047	240,839	8,208	0.39025%
41		MEDICINE BOW OPERATING COMPANY	232,484	232,210	274	0.36430%
42	46	CEJA CORPORATION	228,330	212,455	15,875	0.35779%
43	73	NEW DOMINION LLC	227,338	220,443	6,895	0.35623%
44	54	COOK OPERATING COMPANY	221,482	221,482	0	0.34706%
45		RAYDON EXPLORATION INC.	212,020	211,534	486	0.33223%
46		ZINKE AND TRUMBO INC.	211,539	206,553	4,986	0.33148%
47	43	PONTOTOC PRODUCTION COMPANY INC.	211,350	205,589	5,761	0.33118%
48	51	WALKER KEITH F OIL AND GAS COMPANY LLC	211,036	207,426	3,610	0.33069%
49	66	SULLIVAN AND COMPANY LLC	197,965	197,697	268	0.31021%
50	56	CIMAREX ENERGY COMPANY	196,072	177,463	18,609	0.30724%
51	49	GUNGOLL CARL E. EXPLORATION LLC	188,131	178,133	9,998	0.29480%
52	95	BETA OPERATING COMPANY LLC	182,810	179,867	2,943	0.28646%
53	41	SPECIAL ENERGY CORPORATION	180,005	173,516	6,489	0.28206%
54	53	BUTKIN OIL COMPANY	178,512	178,512	0	0.27973%
55	29	OKLAHOMA BASIC ECONOMY COMPANY	178,432	178,432	0	0.27960%
56	48	TRIAD ENERGY INC	172,345	156,352	15,993	0.27006%
57	47	SHORT OIL COMPANY	169,089	169,089	0	0.26496%

**OKLAHOMA CORPORATION COMMISSION  
OIL AND GAS CONSERVATION DIVISION  
TECHNICAL SERVICES DEPARTMENT**

**THE TOP 100 OIL PRODUCERS  
FOR THE YEAR 2004**

RANK 2004	RANK 2003	PRODUCER	TOTAL LIQUIDS (BARRELS)	CRUDE OIL PRODUCTION (BARRELS)	CONDENSATE PRODUCTION (BARRELS)	PERCENT OF OKLAHOMA OIL MARKET
58	62	NADEL AND GUSSMAN	161,379	156,038	5,341	0.25288%
59	60	D AND J OIL COMPANY INC.	160,736	145,559	15,177	0.25187%
60	57	ARIES OPERATING LLC	159,539	159,539	0	0.24999%
61	72	OKLAND OIL COMPANY	154,479	144,726	9,753	0.24207%
62	83	DEXXON INC.	151,263	151,263	0	0.23703%
63	61	R D T PROPERTIES	150,755	145,890	4,865	0.23623%
64	44	MARJO OPERATING COMPANY INC.	148,488	141,232	7,256	0.23268%
65	64	SPESS OIL COMPANY	134,210	124,258	9,952	0.21030%
66	55	CITATION ENERGY CORPORATION	133,828	133,828	0	0.20971%
67	76	PHOENIX OIL AND GAS INC	131,617	131,617	0	0.20624%
68	65	PETCO PETROLEUM CORPORATION	131,433	131,433	0	0.20595%
69	58	VINTAGE PETROLEUM COMPANY INC.	131,086	128,228	2,858	0.20541%
70	63	M-B OPERATING COMPANY INC.	129,229	123,240	5,989	0.20250%
71	81	OAKLAND PETROLEUM OPERATING COMPANY	128,305	124,275	4,030	0.20105%
72	82	KRUMME OIL COMPANY	125,658	125,538	120	0.19690%
73	80	ONEOK ENERGY RESOURCES COMPANY	125,652	101,395	24,257	0.19689%
74	85	WHITCO OPERATING COMPANY	124,684	124,684	0	0.19538%
75		ST MARY LAND AND EXPLORATION COMPANY	123,753	111,922	11,831	0.19392%
76	75	PHOENIX PETROCORP INC.	121,146	121,146	0	0.18983%
77	70	CASILLAS PETROLEUM CORPORATION	120,145	111,743	8,402	0.18827%
78	79	BURLINGTON RESOURCES OIL AND GAS COMPANY	115,045	106,190	8,855	0.18027%
79	52	WHITE OPERATING COMPANY	114,869	113,466	1,403	0.18000%
80	94	RUFFEL L OIL AND GAS CORPORATION	113,507	90,454	23,053	0.17786%
81	92	GRAND RESOURCES INC.	112,235	112,235	0	0.17587%
82	69	CHATHAM, JIMMY R.	111,808	111,808	0	0.17520%
83	86	KINGERY DRILLING COMPANY INC.	109,606	109,606	0	0.17175%
84	96	HINKLE ENERGEINEERING INC	105,065	102,729	2,336	0.16464%
85	100	ROBINOWITZ OIL COMPANY	104,922	102,793	2,129	0.16441%
86	99	VEENKER RESOURCES INC.	104,912	98,947	5,965	0.16440%
87		RANGE PRODUCTION COMPANY	104,875	89,947	14,928	0.16434%
88		COMANCHE EXPLORATION LLC	102,599	88,789	13,810	0.16077%
89	68	PRIDE ENERGY COMPANY	102,404	90,016	12,388	0.16047%
90		LARIO OIL AND GAS COMPANY	102,375	102,375	0	0.16042%
91		LANDERS AND WALDMAN INC.	102,043	80,702	21,341	0.15990%
92	19	HYPERION ENERGY LP	99,188	99,188	0	0.15543%
93		JMA ENERGY COMPANY LLC	98,631	90,758	7,873	0.15455%
94	93	KEENER OIL AND GAS COMPANY	97,267	96,440	827	0.15242%
95	67	TRIPower RESOURCES INC.	97,144	89,127	8,017	0.15222%
96	89	OXY USA INC	97,107	89,414	7,693	0.15217%
97	87	ARBUCKLE ENTERPRISES INC	94,546	94,287	259	0.14815%
98		O'NEAL DRILLING COMPANY	92,661	92,276	385	0.14520%
99	90	FAGADAU ENERGY CORPORATION	88,424	79,821	8,603	0.13856%
100		DEHART COMPANY (THE)	87,756	87,756	0	0.13751%
TOTAL OIL PRODUCED BY TOP 100 PRODUCERS			40,413,103	39,725,799	687,304	63.32665%
TOTAL OIL PRODUCTION BY ALL PRODUCERS			63,816,895	62,804,221	1,012,674	100.00000%

**NOTE:** Previous year ranking is the ranking achieved for that year and is not adjusted.

Source: IHS Energy

# **Appendix**

**A** - Public Sources of Oklahoma Oil and Gas Data

**B** – Historical Highlights Of The Energy Industry

**C** - Historical Tour of Oklahoma's Oil and Gas Industry

**D** – What A Barrel Of Crude Oil Makes

**E** – Petrochemicals: Raw Materials for More than 3,000 Everyday Products

**F** – Definitions and Terms Used in this Publication



# Appendix A

## Public Sources of Oklahoma Oil and Gas Data

(Updated 7-6-2005)

By Dan Boyd  
Oklahoma Geological Survey

There are many organizations, both commercial and governmental, that are dedicated to the maintenance of Oklahoma Oil and Gas Data. Historically poor State oversight and record keeping of industry activity has left many gaps and inconsistencies in all forms of raw data. This has, in some cases, placed severe limitations on the use and reliability of some collections of these data, especially for activity in early years. As a result, locating and corroborating oil and gas data is a critical issue in the State. It is hoped that this article will help Oklahoma's Oil and Natural Gas Operators and Researchers to overcome this perennial problem.

The publicly available data sources listed here are organized by data type, with commercial services following those that are free of charge. A listing of the organizations offering Oklahoma Oil and Gas data, including their addresses and contact information, is located at the end of this document. Data collections are widely scattered through a variety of sources that continuously evolve as collections are combined through mergers, new information is added, older data is quality checked, and digital availability increases. As new sources are identified updates will be made to this compilation.

To report any errors or omissions in this listing, please contact Dan Boyd ([dtboyd@ou.edu](mailto:dtboyd@ou.edu)) at the Oklahoma Geological Survey (405-325-3031).

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### ROCKS:

**Core:** The Oklahoma Petroleum Information Center (**O.P.I.C.**) facility houses core from about 9,243 wells in Oklahoma. Donations of 7,661 core analyses (on microfiche) from Deep Rock Oil Company, as well as other hard-copy donations, are also housed at **O.P.I.C.** The available core and analysis are listed on the Oklahoma Geological Survey (**O.G.S.**) website.

The **Texas Bureau of Economic Geology Core Research Center** houses core and well cuttings for 4,967 wells in Oklahoma, mostly in their Houston facility. These can be identified at <http://www.beg.utexas.edu/crc/index-crc.htm>. The **Kansas Geological Survey** also has core from 35 Oklahoma wells. These can be located online at <http://www.kgs.ku.edu/Magellan/CoreLibrary>. No other organization has been found that lists Oklahoma core or cuttings among their collections.

**Cuttings:** **O.G.S.** also has well cuttings from roughly 37,000 wells, plus a large number from the recently acquired Ardmore and Shawnee collections. These are housed at the **O.P.I.C.** facility. A complete digital database of **O.G.S.** well cuttings should be available online in late 2005.

**Outcrops:** Many of the productive reservoirs in the State can be seen in outcrops. The location of these outcrops can be determined using a series of geologic maps called Hydrologic Investigation Atlases. These can be purchased through the **O.G.S.** Publications Sales Office. Maps HA-1 through HA-9 cover the non-Panhandle part of the State, with HA-250, -373, and -450 covering the Panhandle counties of Texas, Cimarron, and Beaver respectively.

The **O.G.S.** has also produced numerous geologic maps (GM's), special publications (SP's), and guidebooks (GB's) that locate and describe many of the outcrops of productive oil and gas reservoirs in the State. Much of this work has been generated in conjunction with the play-based series of oil and gas workshops that continue to be offered by the **O.G.S.**

## **LOG/WELL DATA:**

**Log Data:** The State wireline well log collection is housed in the **O.P.I.C.** facility and comprises logs from about 350,000 individual wells. This hard-copy collection is composed mostly of logs submitted to the Corporation Commission (**O.C.C.**) by operators after well completion, and thus are mostly field-scale (large). A microfiche log database is also available at **O.P.I.C.** that contains some logs that are not in the hard-copy collection. In addition to the electric log collection, approximately 100,000 older sample (strip) logs, as well as more recent mudlogs are also housed at the **O.P.I.C.** facility.

Since late 2002, logs submitted to the **O.C.C.** have been scanned as digital (raster) images. This is done through the **O.C.G.S.**, who has contracted **A2D (Riley's)** to perform the scanning. These **O.C.C.** files are maintained by **A2D, O.C.G.S., O.G.S.**, and can be accessed online at <http://www.occeweb.com/WEBAPPS/OCCWebAppsPage.html> free of charge. Commercial digital log databases are being compiled by a number of groups using the **O.G.S., O.C.G.S.** and probably other hard-copy collections. To date these have been mostly proprietary scans for specific clients and/or projects.

The **O.C.G.S.** also has an extensive collection of hard-copy logs, mostly in the **Riley's** standard half-scale size, as well as collections of completion and production data. Their use requires membership in the society. Use of the Tulsa (**T.G.S.**) and Ardmore (**A.G.S.**) Geological Society data collections also require society membership. Well logs can be acquired in Tulsa from the **Tulsa Well Log Library**, which is not affiliated with the **T.G.S.** In additions, in the basement of the **Tulsa City/County Public Library** is a large collection of strip logs made by out-of-work geologists in the 1930's.

**Riley Electric Log Inc.** is a commercial log service that has been purchased by **TGS (A2D)**. The Riley's log database can be accessed online. This service currently lists logs from 123,400 Mid-Continent area wells. These are located mostly in Oklahoma, but this number also

includes wells in the Texas Panhandle, Southwestern Kansas, and the Arkansas portion of the Arkoma Basin. **A2D** offers well log data in standard industry formats, including hard copy, raster and digital LAS. In addition, they offer depth-calibrated smartRASTER® logs and processed Workstation Ready digital files.

**Geomap Company**, **OILBAY.com** and **DrillingInfo Inc.** carry hard-copy and digital (raster image) well logs as part of their service, and offer these online. **MJ Systems** is another commercial service that offers wells logs in microfiche format for most of North America. As of early 2005, about 80% of these have been scanned into raster images that will be available digitally in the near future.

**Well Data:** Hard copy versions of the Form 1002A Completion Report submitted to the **O.C.C.** are kept by the **O.G.S.** at the **O.P.I.C.** facility, where they can be accessed free of charge. Confirmation of much of the 1002A completion data can be made using the information recorded on scout cards for about 380,000 wells. Also at the **O.P.I.C.** facility is a collection of **P/I-Dwight's** completion (index) cards for about 160,000 wells that can be used for further confirmation. A similar collection of completion cards can be also found at the **Laurence S. Youngblood Energy Library** on the second floor of the **Sarkey's Energy Center** on the campus of the **University of Oklahoma**. Yet another service offered through the **O.G.S.** is a coalbed methane completion database compiled by Brian Cardott. These data are useful because coalbed methane production is not distinguished from other gas production in the State database. The coalbed methane database can be accessed online through the **O.G.S.** website.

Well completion information that has been submitted to the **O.C.C.** is part of the **N.R.I.S.** (Natural Resource Information System) database. These data are maintained by Geo Information Systems (**G.I.S.**), which is a department of the **University of Oklahoma**, who in-turn lease the **N.R.I.S.** database commercially to a company called **Oil/Law Records**. These data, which include the completion information for 443,000 wells, can be purchased online. Limited plugging data, from information on the **O.C.C.** Form 1003, is also available through **Oil/Law Records**. As of early 2005, plugging inputs were complete for 72,000 wells, although it is estimated that a total of 300-350,000 wells in Oklahoma are no longer active. The **O.C.C.** has assumed the responsibility of assigning **API Numbers** to new Oklahoma wells from **IHS Energy** who, through their **Petroleum Information (P/I)** predecessor, performed this function until 2000. However, **IHS Energy** is still the organization that is responsible for assigning **API Numbers** to any older wells that have been missed.

The same well data that is offered by **N.R.I.S.** and **O.G.S.** from the Form 1002A Completion Report can be obtained through **IHS Energy**. This digital database has records for about 467,000 wells and, like their production data, can be queried using a wide variety of attributes. **DrillingInfo Inc.** (online) and **Geomap Company** (hard copy and CD-ROM) also offer a variety of State well data (scout, completion and plugging).

Hard copy well information, including data on completion, recompletion, plugging, and changes of operator, can be obtained through **Sooner Well Log**. This company has operated since 1955 and has roughly 3 million records acquired through both the **O.C.C.** and private

sources. Although implied by their name, they do not provide electric log data. **OILBAY.com** also offers a similar variety of **O.C.C.** documents, and these can be obtained online for those submitted since 1995. They also carry a complete collection of the geological exhibits submitted by operators at **O.C.C.** hearings.

## **PRODUCTION:**

**State:** The **Oklahoma Tax Commission (O.T.C.)** is the original source of **N.R.I.S.** data. These data are published by the **O.C.C.** as a series of free annual State and county production summaries. The annual summaries include cumulative oil and gas production since 1975 by county, as well as annual totals for all oil and gas production. (First oil is listed in 1902 and first gas in 1906.) This makes the **O.C.C.** a source for confirmation of more detailed data that might be acquired through other means. It should be noted that gas producers are required to report production to both the **O.T.C.** (~by the 25<sup>th</sup> day of the second month following first production) and to the **O.C.C.** (~at the end of subsequent month following first production). As a result, monthly production figures from these sources, while close, will not match precisely. The **O.C.C.** also has on their website some monthly production and drilling/plugging data.

**O.P.I.C.** houses limited hard copy production data by oil lease and gas well from the former **P/I** and **Vance Rowe** collections. These data, which begin in the 1940's and continue through 1995, can be used free of charge. The **Youngblood Library** also has a similar collection of **P/I-Vance Rowe** hard copy oil and gas production books. This collection has production that spans the 1950's to the present.

Complete lease and well production data from inception exist only at the **O.T.C.** in microfiche and microfilm format. Because these data are held confidential, they are only available through individual lease production requests that must be filled by **O.T.C.** personnel. A recommendation has been made (1-28-2005) to transfer these data to a digital format so that they can be made accessible to the public. Unfortunately, even if this request is granted, it will be sometime before these data will become widely available.

**Commercial:** Production by gas well and oil lease (usually more than one well) can be accessed commercially online from the **N.R.I.S.** database through **Oil/Law Records**. This digital repository of State production data are organized by lease, field, producer and purchaser and largely originates from the **O.T.C.** A limitation of this dataset is its lack of oil or gas production data prior to 1979. In addition, the **N.R.I.S.** listing of productive reservoirs has not been quality checked and includes over 7,500 reservoir names, exactly as reported by operators.

Digital production can also be obtained commercially from **IHS Energy**. Cumulative oil production by lease and gas production by well in this database starts at inception. Monthly oil and gas production begin in 1970 and 1963 respectively. Although many gaps in State data have been filled, total oil production from **IHS Energy**, including about 3 billion barrels of oil (BBO) that is assigned to "UNKNOWN" reservoirs. This compares to a tax record total production of 14.6 BBO. Total gas production in this database is 77 trillion cubic feet (TCF), which includes 2 TCF assigned to "UNKNOWN" reservoirs. This compares to actual cumulative

production of about 94 TCF. Like their well data, production information can be accessed and sorted using numerous well, field, location, production, and geological identifiers. **IHS Energy** has also combined and corrected reservoir names to a total of about 2,700, which is roughly 1/3<sup>rd</sup> the **N.R.I.S.** total.

**DrillingInfo Inc.**, like **N.R.I.S.**, has digital oil and gas production online from 1979. **Geomap Company** maintains Oklahoma production data on CD-ROM. Another commercial service that sells Oklahoma production data is the **International Oil Scouts Association (I.O.S.A.)**, which is a subsidiary of **Mason Research**. Their data are restricted to the field and county level, with the last Oklahoma compilation occurring in 2000 (through 1999).

**N.R.G. Associates** maintains production since inception and remaining reserve volumes for approximately 1,250 fields in Oklahoma. These 'significant' fields have all produced at least 500 MBO or 3 BCF of gas. Owing to a lack of detailed reservoir data, remaining reserve volumes for these fields have been calculated using decline curves.

## **BASE MAPS/AERIAL PHOTOGRAPHS:**

**Aerial photos** covering the entire State are available at the **O.P.I.C.** facility. Made from the 1940's through the early 1960's, these photos can be useful in confirming well locations or identifying any wells that may not be documented in any of the databases described earlier. Digital overlays of the **N.R.I.S.** well database onto aerial maps show that there are a significant number of wells for which there are no State records. It is possible that other collections may contain these lost records, but most collections use State data as their primary source. Thus it is likely that there are numerous wells, especially those drilled in early years, for which there are no records.

Base maps showing well locations and other geographic information can be constructed using **N.R.I.S.** or **IHS Energy** data. Historical drilling activity has also been maintained on hard copy maps since 1949 by **Herndon Map Service**, which can be viewed online. **Herndon Maps** cover all areas of the State except that Northeast of Township 15 North, Range 13 East. (This is an area that contains many of the State's oldest wells.) These maps have hand-spotted well locations, and where space allows, operator, well name, date, formation tops, oil and gas shows, productive formation, and initial potential. Although in densely drilled fields some wells may not be shown, it is not uncommon to find wells on these maps that do not appear in the **N.R.I.S.** database.

**Geomap Company** carries base maps that include an accurate land grid, well locations, and well and field information. They also provide a series of "Executive Reference Maps" that show regional structure, field locations, discovery dates, and production by stratigraphic interval. These maps are available in both digital and hard copy formats.

Base maps (land grid) using **N.R.I.S.** data can also be obtained from **G.I.S.** online. For complex queries involving least types, drilling/production data, etc. they can be contacted at (405) 325-3131.

## **INFRASTRUCTURE:**

Maps showing pipelines, refineries, gas processing plants, petrochemical plants and other components of Oklahoma's Oil and Gas infrastructure can be found at the website of the **Energy Information Administration (E.I.A.)**. **E.I.A.** is a department of the **United States Department of Energy (USDOE)** and provides these data free of charge. **PennWell Corporation** is a commercial service and does much of the same work, but also maintains detailed pipeline maps.

## **GENERAL INFORMATION:**

The **Osage Indian Tribe** maintains a comprehensive collection of oil and gas data for Osage County in Pawhuska, Oklahoma. These include all production by quarter section since 1900, and all electric logs, core analyses, and well completion/plugging information. All major producing formations have been mapped in detail by consultants. All studies, as well as the tribe's seismic database, are available to the public at no charge.

**Pangaea, Inc.** maintains digital and hard copy of **O.C.C.** orders (spacing, increased density, location exception, etc.). They were the recipients of these **O.C.C.** files (after they were digitally scanned) when it was decided that storage space was no longer sufficient to house them at the **O.C.C.** facilities. Because it was later discovered that a significant number of **O.C.C.** order files were not scanned, **Pangaea** now boasts the most complete collection of these State data. These data, which include about 1.3 million pages of information, can be accessed online. In addition, **Pangaea, Inc.** also has a complete collection of **O.C.C.** hearing exhibits (in color) from 2001, which will soon be expanded to include all exhibits since 1999. These are also available online. Similar types of data is also available from **Oil/Law Records**.

**Geologic Data Services (G.D.S.)** provides subsurface formation tops for over 205,000 wells in the Oklahoma and Texas Panhandle in a variety of formats. Their data can be purchased using Township-Range or latitude-longitude windows and is compatible with all major mapping software. **G.D.S.** also provides a digital land grid for Oklahoma as well as custom mapping and detailed stratigraphic studies.

The **E.I.A.** carries a wide variety of information concerning the Oklahoma oil and gas industry, as well as every other part of the world. This includes annual oil and gas production, consumption, refining, drilling, prices, as well as information addressing the State's overall energy (electrical, coal, wind, oil and gas) infrastructure.

The **O.G.S.** has produced many oil and gas studies that can be purchased at cost. See the **O.G.S.** oil and gas publication listing online. As a State agency, the **O.G.S.** has been the recipient of numerous collections of both raw data and interpretive studies that have been submitted by the industry. These are available to the public at no charge. The **O.C.G.S.**, **T.G.S.** and **A.G.S.** also maintain libraries of oil and gas publications. The **Laurence S. Youngblood Energy Library** is probably the most complete collection of oil and gas related

publications in the State. The website address for access to the **University of Oklahoma** theses and dissertations is <http://geolib.ou.edu>.

Oil and gas field outlines in Oklahoma are usually geographic (not geologic). Because this makes them largely a function of drilling history, field boundaries tend to be arbitrary. In addition, because over 18,000 productive wells have not yet been assigned to fields in the **N.R.I.S.** database, commercial services have been forced to unilaterally expand existing field boundaries to include new wells. As a result field boundaries defined by **I.O.S.A.** or **IHS Energy** may not agree with those shown by **N.R.I.S.** or those defined on **O.G.S.** geologic maps (GM-36, GM-37). Ultimately, the official State outlines, when they are redefined by the Nomenclature Committee of the **O.C.C.**, should be close to those shown in these recent **O.G.S.** publications.

**Geomap Company**, in addition to raw data, also offers a variety of interpretive information to its customers. These include basin and trend analyses, subsurface structural interpretation combined with stratigraphically keyed production, cross-sections, geological studies, and a geological staff available for assistance. Their subsurface geologic interpretations are updated on a regular basis.

## **ABBREVIATION-ORGANIZATION-CONTACT INFORMATION:**

- O.G.S.** – Oklahoma Geological Survey  
Sarkey's Energy Center (OU Campus)  
100 E. Boyd St Rm N-131  
Norman, OK 73019-0628  
(800) 330-3996, (405) 325-3031  
<http://www.ogs.ou.edu>
- O.P.I.C.** – Oklahoma Petroleum Information Center (managed by O.G.S.)  
2020 Industrial Blvd  
Norman, OK 73069  
(405) 360-2886  
<http://www.ogs.ou.edu>
- Laurence S. Youngblood Energy Library**  
Sarkey's Energy Center (OU Campus)  
100 E. Boyd St Rm R-220  
Norman, OK 73019  
(405) 325-6451  
<http://libraries.ou.edu/depts/geol/index.html>  
(Click: OU libraries → online catalog → Public catalog)
- O.C.C.** – Oklahoma Corporation Commission  
Jim Thorpe Building  
2101 N Lincoln Blvd  
PO Box 52000  
Oklahoma City, OK 73152-2000  
(405) 521-2273  
<http://www.occeweb.com>
- O.T.C.** – Oklahoma Tax Commission  
2501 N Lincoln Blvd  
Oklahoma City, OK 73194-0009  
Mr. Mark Hendrix (Manager, Tax Policy Division)  
(405) 521-3133  
Ms. Leslie Davis (Oil and Gas Production Information Requests)  
(405) 521-4558  
<http://www.oktax.state.ok.us>
- Osage Agency Branch Of Minerals Management Service**  
813 Grandview  
PO Box 1539  
Pawhuska, OK 74056-1539  
(918) 287-5710  
(No Website)



**E.I.A. – Energy Information Administration**

A Department of the US Department of Energy  
Oklahoma data located at:

[http://www.eia.doe.gov/emeu/states/main\\_ok.html](http://www.eia.doe.gov/emeu/states/main_ok.html)

**A.G.S. – Ardmore Geological Society**

PO Box 1552  
Ardmore, OK 73402-1552  
(No Phone Number Listed)  
(No Website)

**O.C.G.S. – Oklahoma City Geological Society**

120 N Robinson Ave Ste 900 Center  
Oklahoma City, OK 73102  
(405) 236-8086

<http://www.ocgs.org>

**Oklahoma City Geological Society Library**

120 N Robinson Ave Ste 900 Center  
Oklahoma City, OK 73102  
(405) 235-3648 x 11

<http://www.ocgs.org/library.asp>

**Oklahoma Well Log Library**

427 S Boston Ave, Ste 1100  
Tulsa, OK 74103-4116  
(918) 582-6188  
(No Website)

**T.G.S. – Tulsa Geological Society**

PO Box 4508  
Tulsa, OK 74159-0508  
(918) 582-4762

<http://tulsageology.org>

**Tulsa City-County Library (Central Branch)**

400 Civic Center  
Tulsa, OK 74103  
(918) 596-7977  
(No Website)

**DrillingInfo, Inc.**

Bank of Oklahoma Plaza  
201 Robert S Kerr Ste 605  
Oklahoma City, OK 73102  
(405) 943-1525  
<http://www2.drillinginfo.com/frameHome.jsp>

**G.I.S. – Geo Information Systems**

1818 W Lindsey St Ste A-105  
Norman, OK 73069-4160  
(405) 325-3131  
<http://www.geo.ou.edu>

**G.D.S. – Geologic Data Services**

4951 Airport Parkway, Ste 600  
Addison, TX 75001  
(800) 437-6277  
<http://www.gdsdatamaps.com>

**Geomap Company**

1800 Geomap Ln  
Plano, TX 75074-7199  
(972) 578-0571  
<http://www.geomap.com>

**Herndon Map Service**

3816 N Maney St  
Oklahoma City, OK 73112-2929  
(405) 946-5858  
<http://www.herndonmap.bizhosting.com>

**IHS Energy Group** (formerly Petroleum Information/Dwight's LLC)

15 Inverness Way East  
Englewood, CO 80112-5776  
(No Phone Number)  
<http://www.ihsenergy.com/products>

**International Oil Scouts (Mason Research)**

PO Box 338  
Austin, TX 78767-0338  
(512) 472-7173  
<http://www.petrotexas.com/html/oilscoutdir.html>

**MJ Systems**

5085 Oakland St  
Denver, CO 80239  
(800) 310-6451  
<http://www.mjlogs.com>

**N.R.G. Associates**

(719) 630-1650  
<http://www.rnehringdatabase.com> (in progress)

**OILBAY.com**

(405) 330-8030  
<http://www.oilbay.com>

**Pangaea Inc.**

1600 Breckenridge Dr  
Edmond, OK 73013-7666  
(405) 341-0474  
<http://www.pangaeadata.com>

**PennWell Corporation**

1700 West Loop South Ste 1000  
Houston, TX 77027  
(713) 621-9720  
<http://www.pennwell.com>

**Sooner Well Log**

6709 N Ollie Ave  
Oklahoma City, OK 73116  
(405) 848-3001, (405) 848-4464  
(No Website)

**T.G.S. (A2D)**

(888) 564-5463  
[http://www.tgsnopec.com/data\\_solutions/well\\_logs.asp](http://www.tgsnopec.com/data_solutions/well_logs.asp)

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## Appendix B

### **HISTORICAL HIGHLIGHTS of The Energy Industry**

**1897** – First commercial well in Oklahoma Territory discovered at Bartlesville.

**1901** – Oil discovered at Red Fork near Tulsa. Spindletop well near Beaumont, Texas, is the world's biggest gusher, producing 750,000 to 1,000,000 barrels per day – 50 percent as much crude as all other U.S. wells at the time. Spindletop proves oil can be found in salt domes. It also shows the advantage of using the European-developed rotary drilling rig, which had previously been used only for water wells.

**1905** – Glenn Pool oil field discovered near Tulsa. It is the first stratigraphic trap discovery. The shallow field paraffin-base crude makes better lubricants than crude from any other field west of the Appalachians and with good gasoline yield.

**1907** – Oklahoma becomes a State – and the biggest oil-producing state at the time. Tulsa claims the title of “Oil Capital of the World.” Gulf and Texaco build rival pipelines from Tulsa to Gulf Coast refineries. Oklahoma establishes Corporation Commission to regulate oil production to prevent waste.

**1910** – Oklahoma Natural Gas Company installs first compressor on a natural gas pipeline. Oil fields developed in Illinois and other Mid-Continent spots. Mexican production booms.

**1912** – Cushing Field establishes the value of geology in finding anticlines. Royal Dutch-Shell enters United States with American Gasoline Company marketing imported gasoline in California and Roxana Petroleum Company in Tulsa for exploration and production. Henry F. Sinclair begins oil production in Tulsa – the start of Sinclair Oil Company.

**1915** – Oklahoma enacts the first market-demand proration law. War in Europe creates a demand for U.S. oil. Independent operators experience difficulty in selling oil for good price because they cannot guarantee a steady supply to eastern refineries. Carter Oil Company moves west from West Virginia, Kentucky and Ohio to Tulsa where they set up a new division.

**1916** – Boom in central Oklahoma fields causes pipeline construction from Cushing to Wood River, Illinois, refining center. This relieves wasteful overproduction.

**1917** – A group of oil men gather at the Hotel Tulsa to organize and make sure petroleum products are available to U.S. armed forces and allies. They form the Mid-Continent Oil and Gas Association.

**1918** – Hugoton-Panhandle gas field discovered in Oklahoma – the largest in the United States.

**1919** – Mid-Continent Oil and Gas Association forms the Kansas-Oklahoma Division headquartered in Tulsa.

**1920** – Osage County opens with prolific Burbank discovery.

**1921** – Gross Production Tax receipts equal 71 percent of total state expenditures.

**1926** – Mid-Continent Oil and Gas Association sponsors' percentage depletion amendment of federal tax law.

**1927** – Oklahoma City field discovered and soon becomes the nation's largest.

**1929** – Oklahoma Corporation Commission orders a 30-day shutdown of the Oklahoma City field because of wasteful overproduction.

**1930** – "Wild Mary Sudik" well in Oklahoma City field blows out. Use of specialized muds in drilling becomes a science. Pressurized water injection used instead of gravity flow to enhance oil production.

**1931** – Governor "Alfalfa Bill" Murray shuts down Oklahoma City field. Oklahoma enacts comprehensive conservation law.

**1934** – Oklahoma Governor Marland calls conference of oil-state governors to draft new version of voluntary interstate oil conservation compact without enforcement powers.

**1943** – Giant West Edmond field discovered – the first major stratigraphic find in Oklahoma.

**1954** – U.S. Supreme Court rules Federal Power Commission must fix wellhead price of natural gas.

**1960** – OPEC (Organization of Petroleum Exporting Countries) formed by Venezuela, Saudi Arabia, Iran, Iraq and Kuwait.

**1962** – Steam injection and solvent displacement are used as enhanced recovery methods in oil fields.

**1971** – Oklahoma increases Gross Production Tax from 5 percent to 7 percent of value.

**1975** – Crude oil production in Oklahoma drops from 213,303,933 barrels (1971) to 163,122,471 barrels (1975) in less than 5 years.

**1977** – U.S. Department of Energy (DOE) rolls back crude prices and launches complicated formula for oil pricing.

**1978** – Natural Gas Policy Act (NGPA) permits prices to rise over a period of years but regulates intrastate sales.

**1982** – Oil Boom – price paid for Oklahoma crude oil reaches all-time (inflation adjusted) high of \$37.60 per barrel.

**1983** – Gross Production Tax raises \$757,158,759 – 28 percent of Oklahoma tax collections.

**1986** – Oil Bust – July 1986, Oklahoma crude oil purchased for \$11.15 per barrel.

**1989** – New well completions hit a 45-year low. President Bush signs natural gas decontrol legislation. Significant natural gas discoveries are made in the Arkoma Basin.

**1990** – Oklahoma natural gas production reaches an all-time high of 2.26 trillion cubic feet. Gross production taxes increase, but represent only 11.4 percent of tax collections.

**1998** -- The price of Oil and Gas drops to one of the lowest points in over 25 years.

**2003** – Oklahoma is ranked as the Number 2 state in production of Natural Gas.

**2004** – Crude oil production drops to lowest level since 1913. Natural gas production hits lowest level since 1983, dropping 29.0 percent since 1990. Natural gas prices hits record high of \$5.41 per mcf.

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## **Appendix C**

# **HISTORICAL TOUR of OKLAHOMA'S OIL and GAS INDUSTRY**

### **INTRODUCTION**

The first recorded oil well in what is now Oklahoma was completed in 1859, the same year that Colonel Edwin Drake ushered in the age of oil at Titusville, Pennsylvania. Although Oklahoma's first oil find was accidental – the driller was seeking saltwater – other oilmen quickly invaded the Indian Territory in search of “black gold.” Their efforts were hampered severely by governmental regulation, inadequate transportation facilities and the lack of a readily accessible market. Nevertheless, on April 15, 1897, a shot of nitroglycerin brought in the Nellie Johnstone No. 1 – the first commercial oil well in Oklahoma. Just before Indian Territory and Oklahoma Territory were united in single statehood in 1907, a fantastic oil-boom era began in the region. It's immense oil riches ignited a mineral rush that would ebb and flow across the twin territories and the state for more than thirty years and would rival all previous quests for hidden wealth in the American West.

The Oklahoma oil fields were part of the huge Mid-Continent Oil Region that stretched from central Texas across Oklahoma to eastern Kansas. Within this vast reservoir of crude oil were some of the nation's greatest oil finds. Texas boasted of Desdemona, Eastland, Ranger, Breckenridge, Electra and Burkburnett; Kansas has Neodesha, Augusta, Eldorado, and Paola; and Oklahoma claimed Cleveland, Red Fork, Glenn Pool, the Osage, Burbank, Cushing, Healdton, Three Sands, Garber, the Greater Seminole, Oklahoma City, and many others.

More than 8,804,000,000 barrels of crude were pumped from the various pools of the Mid-Continent Region from 1900 to 1935. In twenty-seven of these thirty-five years, this region ranked first among the nation's major producing areas. Moreover, in the years between 1918 and 1922 and between 1924 and 1935, the Mid-Continent Oil Region poured forth more than half of all the crude produced within the United States. Oklahoma was consistently a leader in production within the Mid-Continent Region. For twenty-two of the years between 1900 and 1935 it ranked first among the Mid-Continent Region states in production, and for nine years it was second.

With each new oil pool brought into production, one or more boomtowns were created. Many of these suddenly thriving communities previously had been rural hamlets, but others were entirely new creations spawned by the rush for wealth. Most of the boomtowns sank back into obscurity or oblivion when production declined from the pools, which had given them life. Several of them, however, survived and are modern, progressive communities. The development of most boomtowns followed a similar pattern. First, the discovery of a new pool of oil by an enterprising wildcatter would ignite a frenzy of excitement marked by a furious scramble to lease the most promising lands. With the beginning of drilling activity, the community nearest the fields would be inundated by oil field workers. This rush of humanity would stimulate the

frantic construction of hotels, cafes, pool halls, and other establishments designed to meet the needs of the workers. The town would mushroom as men and women of various backgrounds would flock to the area to share in the wealth generated by the black gold flowing from the earth. Frequently, the boomtowns were so crowded that workers were forced to sleep in tents, on rooftops, or even under pool tables.

The fact that many workers who followed the oil strikes were single men or had left their families at home added to the chaos of the boomtowns. Without the stabilizing influence of wives and families, the men were more likely to spend their leisure time and money in saloons, dance halls, and bawdy houses. Civilizing elements, such as churches and law enforcement agencies, faced a difficult battle under these circumstances. However, in those towns where prosperity persisted over a sufficient period of time, the forces of order and law dominated. More men married or brought their families to the community, schools were constructed, and churches grew in number and attendance. Many of the towns, of course, declined or even died before the civilizing process could take place. Yet even in those places, law-abiding individuals and legitimate businessmen sought to bring stability to the chaos and to establish enduring cities.

Oil made Oklahoma. It ushered the state into the twentieth century and gave it an economic base that for decades allowed continued development. Boomtowns, gambling wildcatters, and the men and women whose labor made it all possible are vital elements of the state's heritage. Moreover, the state's petroleum industry had influence far beyond Oklahoma's borders. Technological innovations first tried in the Oklahoma oil fields revolutionized the industry, and the oil fortunes made within the state laid the foundations for some of the world's greatest energy companies, which went on to develop the petroleum industry in dozens of other countries. (*Early Oklahoma Oil and Gas, Dr. Kenny Franks*)

In 1963, the Oklahoma Petroleum Council, later to be merged into the Mid-Continent Oil and Gas Association, and the Oklahoma Historical Society began a cooperative program to mark some of the significant sites and events in the history of the petroleum industry in Oklahoma.

The participation of the Council and the Association in this activity has been coordinated by a Historical Committee, which works with the Historical Society on research, site selection and dedication plans.

In only one other state has there been such a systematic method of telling the story, by means of historical monuments, of the significant role played by oil and gas.

#### **1. OKLAHOMA'S FIRST COMMERCIAL OIL WELL**

Nellie Johnstone No. 1, first commercial oil well in Indian Territory, completed April 15, 1897, by the Cudahy Oil Company, on the south bank of the Caney River.  
Site is 3.1 miles northwest of this marker.

Oklahoma Historical Society and State Highway Commission 1963  
*Metal Highway Marker on U.S. Highway 75 East of Bartlesville*



## **2. STATE'S EARLIEST OIL REFINERY**

Muskogee Oil Refining Company, organized in March 1905, built a "finishing plant" near this site in November 1905. It soon was producing lamp kerosene, lubricating oil and industrial fuel – the beginning of oil refining in Oklahoma, a leading industry today.

Oklahoma Historical Society and State Highway Commission, 1965  
*Metal Highway Marker South of Muskogee on U.S. Highway 69*

## **3. BIRTHPLACE OF INTERSTATE OIL AND GAS COMPACT COMMISSION**

Original plans for creating Interstate Compact to Conserve Oil and Gas were developed on December 4, 1934, at the home of Governor-elect E.W. Marland located one-half mile northeast of this spot.

Participants from twelve oil-producing states took part in these discussions of national and international significance.

The purpose was to form a compact for bringing about conservation and prevention of waste in petroleum resources through coordinated efforts of states.

The Compact, creating the Interstate Oil and Gas Compact Commission, was approved February 16, 1935, in Dallas, Texas, and was ratified in the same year by the Legislatures of Oklahoma, Texas, New Mexico, Colorado, Illinois, and Kansas, and consented to by Congress August 27, 1935.

By 1966, thirty states were active members, and three were associate members. Official observers included representatives of Alberta and Saskatchewan in Canada, Columbia and Venezuela in South America, U.S. Department of Defense and Interior, and the Federal Power Commission.

Currently they have 36 states with active membership in the IOGCC.

Headquarters of the Compact Commission established on the Capitol Grounds in Oklahoma City.

Oklahoma Historical Society 1966  
*Granite monument in front of the Pioneer Woman Museum in Ponca City*  
*Granite monument to the east of the Compact Commission offices parking lot in Oklahoma City.*

## **4. OKLAHOMA CITY OIL FIELD**

Oklahoma City oil and gas field discovery well brought in December 4, 1928 is approximately six miles southeast of this marker.

From such beginnings, the sprawling Oklahoma City oil and gas field became one of the world's major oil producing areas, ranking eighth in the nation during the first 40 years of existence. In this time the field yielded 733,543,000 barrels of oil and still continues to produce today.

Discovery and development of Oklahoma City oil field added great stability to the economy of both Oklahoma City and the State of Oklahoma – providing financial incentive for cultural and industrial progress. In tapping the prolific Wilcox producing zone on March 25, 1930, the Mary Sudik No. 1 well blew “wild” for more than 11 days, thereby distinguishing itself as the “most publicized oil well in the world”. Rapid development of the oil field, and problems created thereby, sparked passage of first comprehensive state legislation for conservation of oil and gas, thus providing model statutes for other states to follow.

To reach oil reserves underlying the Oklahoma State Capitol Building, one well was slant- drilled from across the street to oil sands beneath the Capitol. This well is known as the “Petunia No. 1” because of the fact that the well was drilled in the middle of a Petunia flowerbed. This well is located on the south side of the State Capitol building.

The discovery well and the “Wild Mary Sudik” were both drilled by Indian Territory Illuminating Oil Company, an affiliate of Cities Service Oil Company, and by Foster Petroleum Company.

Oklahoma Historical Society 1968

*Granite monument near the steps of the State Capitol in Oklahoma City*

## 5. **TULSA: OIL CAPITAL OF THE WORLD**

Tulsa has long been known as the Oil Capital of the World and the city that oil built. The rise of Tulsa to a place of preeminence in the petroleum industry began on June 25, 1901, when a well was brought in at Red Fork across the Arkansas River to the southwest. Tulsa leaders caused a bridge to be built between the two points and national publicity focused attention on Tulsa as a center of a new oil region.

When a major oil strike took place at the nearby Glenn Pool, on November 22, 1905, the production of oil in the area became so great that the term “Oil Capital of the World” was universally applied to Tulsa. Other fields were discovered and developed in adjacent areas to a point where, for a time, it was the largest oil-producing center on earth.

Tulsa remained in the forefront of exploration and development, financing, equipment manufacturing, and provided skills and executive direction for a growing, worldwide industry– hence continued to hold the title: Oil Capital of the World.

Oklahoma Historical Society 1969

*Horizontal granite monument in Tulsa's Civic Center*

## **6. OIL IN THE OSAGE INDIAN NATION AND THE “MILLION DOLLAR ELM”**

Symbolic of the impact oil had on the people of the Osage Indian Nation is the so-called “Million Dollar Elm”. It was given this name because in its shade millions of dollars worth of Osage oil leases were auctioned. It was planted at this site sometime during the latter part of the 19<sup>th</sup> Century as an ornament and for shade. The name was not given by tribal leaders, but by reporters and magazine writers who were dramatizing the events when important heads and founders of the world’s greatest oil companies came in person to bid. The auctioneer himself, the historic Colonel Walters, became famous because of his success in getting top bids.

The story of oil and the Osages is one of the most glamorous facets of the oil industry in America. It began with the drilling of the first well in the Osage in October 1897.

On March 2, 1922, the first 160-acre tract to bring a million dollars or more was in the NE 25-27N-05E. Skelly Oil Company and Phillips Petroleum Company bid jointly on this tract. Highest bonus paid for a 160-acre tract was by Midland Oil Company, March 29, 1924 - \$1,990,000 for a tract in the NW 14-27N-05E.

A total of 18 tracts brought bonuses of \$1,000,000 or more.

By November 1969, the Osage lands had produced a billion barrels of oil, and it was estimated that two billion barrels remained in the area.

Oklahoma Historical Society and Oklahoma Petroleum Council 1970  
*Granite monument on campus of Osage Indian Agency in Pawhuska*

## **7. INTERNATIONAL PETROLEUM EXPOSITION**

The International Petroleum Exposition was founded in Tulsa, Oklahoma, in 1923 providing a display to the World of the latest in equipment, operational ideas, and practices used in the petroleum and related industries.

When the first Exposition was held, it was a street-bazaar type of show with equipment displays valued at \$100,000. By the time of the sixteenth exhibition in 1971, it had grown to include more than five hundred of the world’s leading manufacturers, services, and supply companies. The exhibits were valued at more than \$1,000,000,000.

The International Petroleum Exposition introduced many innovations in equipment, such as the steel derrick, and fostered foreign trade by promoting exports of oil equipment, thus influencing other countries in developing their own petroleum resources.

L.B. Jackson, an independent oilman, was the first president of the Exposition. The second was W.G. Skelly, who founded Skelly Oil Company and presided over the International Petroleum Exposition for thirty-two years. W.K. Warren, founder of Warren Petroleum Corporation was president of the Exposition for ten years.

Other oilmen who have headed the Exposition are: R.L. Kidd, one-time chairman of Cities Services Oil Company, and Randolph Yost, president of Amoco Production Company.

Oklahoma Historical Society with Oklahoma Petroleum Council 1971  
*Granite monument at main entrance to Tulsa Exposition Center in Expo Square, Tulsa*

## **8. FIRST GAS PROCESSING PLANT WEST OF THE MISSISSIPPI RIVER**

The gas processing industry west of the Mississippi River had its beginnings near here in 1909. At the D.W. Franchot and Company plant three miles west of this marker, liquid hydrocarbons were extracted from gas produced with oil in the surrounding Glenn Pool. This pool was discovered on November 22, 1905, and provided raw material for the first gas processing plant. By 1920, 315 plants had been built in Oklahoma.

Expansion of the gas processing industry grew out of conservation of liquids contained in natural gas. This natural gasoline, as it was called, initially was used to fuel the increasing numbers of automobiles. Residue gas was used to fuel oil field operations and was piped to nearby towns for heating and lighting.

With the rapid growth of gas processing in Oklahoma and surrounding oil states, gas processing became a major United States industry. By 1970, natural gas and the products of gas processing constituted 58 percent of the nation's total petroleum energy production. Oklahoma plants had processed 30 trillion cubic feet of gas and recovered 1.5 billion barrels of liquids by 1970.

Within a few years after gas processing had spread to Oklahoma, it spawned two other petroleum-related processing entities-the petrochemical and the LP-Gas or "bottled gas" industries.

Oklahoma Historical Society with Oklahoma Petroleum Council 1972  
*Granite monument at U.S. Highway 75 and 141<sup>st</sup> Street, Tulsa*

## **9. OKLAHOMA'S FIRST WATERFLOOD**

Injection of water into an oil reservoir to increase recovery was first attempted in Oklahoma on an oil lease 5.8 miles east of this location.

From that effort, a recovery method previously used in eastern fields was adapted to conditions found in this area. Since then, waterflooding to obtain greater oil recovery has spread to adjoining states and around the world.

Bert Collins developed the initial waterflood, experimental in nature, on a shallow producing property in Rogers County in May 1931 on a Carter Oil Company lease. The test was encouraging and the method was applied to other oil reservoirs.

Water for modern flooding projects, treated to a purity often exceeding city requirements, is injected under high pressure into oil-bearing formations to force the oil through the

strata to nearby producing wells from which it is pumped. On the average, 10 barrels of water is injected for each barrel of crude oil recovered.

The City of Nowata became the hub of waterflooding for the area with most of the field activity being in Rogers County where vast oil reserves had been proven.

Billions of barrels of crude oil have been recovered by waterflooding to provide man with increased supplies of energy and fuel that could still be locked in the earth without the industry's constant effort to improve its recovery methods.

Oklahoma Historical Society with Oklahoma Petroleum Council 1973

*Granite monument at intersection of U.S. Highway 169 and Winganon Road, South of Nowata and West of Chelsea.*

#### **10. HEALDTON: OKLAHOMA'S FIRST STATE-REGULATED OIL FIELD**

Production of crude oil from the newly discovered Healdton field surrounding this marker site flooded the market with an oversupply of petroleum. Protesting that pipeline purchases were inadequate, producers claimed they were being deprived of individual rights to produce and sell their share of the field's production.

In response, the Oklahoma Corporation Commission, in May 1914, ordered the pipeline carrier to increase purchases of produced oil, provide facilities for rail shipment and build field tankage. The pipeline was further ordered to purchase oil ratably and equitably from Healdton producers.

This order resulting in proration of oil purchasing, nine months after the field's discovery in August 1913, made Healdton the first field in the state to be regulated by a state commission. This early-day proration was a forerunner of petroleum conservation laws to prevent physical and economic waste of petroleum energy in most oil states.

By late 1915, prolific production at Healdton and other Oklahoma oil fields supplied energy for a burgeoning automotive age in the United States and the Allied war machine of World War I. As the Healdton field boomed, the influx of oilmen overtaxed the community's facilities.

Hastily built stores, rooming and boarding houses and entertainment places turned the community into a typical oil boomtown. The principal boomtown area was called Ragtown.

Oklahoma Historical Society with Oklahoma Petroleum Council 1974

*Granite monument on Highway 76 in Healdton, in front of Healdton Oil Museum*

#### **11. WORLD'S FIRST SCHOOL OF PETROLEUM GEOLOGY**

Charles Newton Gould, known as the "Father of Oklahoma Geology", established in 1900 at the University of Oklahoma what is now the School of Geology and Geophysics. It became the first school of petroleum geology in the World.

Gould's covered-wagon geological fieldwork added significantly to the energy and water-related geology of Oklahoma and the Southwest.

As a result of his pioneering faith in the scientific approach to oil and gas exploration, he, his professor associates and students established as a science the use of both surface and subsurface geology in the search for oil and gas. It was not until the early 1920's that geology, and later geophysics, gained acceptance and wider use as oil-finding techniques.

As our nation entered its Bicentennial year, the school's geology and geophysics graduates outnumbered those of any other university in the world. Its graduates are among the world's foremost petroleum geologists and geophysicists – having discovered significant oil and gas reserves throughout the world.

Today, these graduates and those of other universities make up the membership of the American Association of Petroleum Geologists, an association of scientists founded by Gould and others on the University of Oklahoma campus.

Oklahoma Historical Society with Oklahoma Petroleum Council 1975

*Granite monument in front of Gould Hall on the University of Oklahoma campus, Norman*

## **12. OKLAHOMA'S OIL PIONEERS**

Oklahoma's rise to prominence as a leading producer of oil, natural gas, and refined products can be attributed in great measure to the determination and hardy spirit of its pioneers in the industry. These were wildcatters, the roughnecks, drillers, pipeliners, the operators of primitive processing plants, and those who provided the risk capital.

As the industry evolved, innovators, geologists, engineers, scientists and management people joined these oil pioneers.

Through successes and frequent failures, there developed the sciences, the techniques, processes, and conservation approaches that earned for Oklahoma the title "the State that oil built". These developments show the way to economic benefits for all of Oklahoma and influenced technological progress in our nation and the world.

As a result of these pioneering efforts, Oklahoma was ranked as fourth largest crude oil producing state and was third in natural gas production in 1976, the Bicentennial year of the United States.

Oklahoma Historical Society with Oklahoma Petroleum Council 1976

*Granite monument on grounds of Oklahoma Historical Society Building in the State Capitol Complex in Oklahoma City*

### **13. THE GREATER SEMINOLE OIL FIELD**

The Greater Seminole oil field was one of several fields discovered in the mid-1920s that swung the United States' oil inventory from scarcity to surplus.

Discovery of five prolific Seminole area oil pools in 1926 and 1927 glutted the market, resulting in voluntary reductions in oil production and a slow-down in field development.

The Seminole City pool led the discovery race with the Hunton lime discovery by Indian Territory Illuminating Oil Company on March 7, 1926. It was followed on July 6, 1926 by discovery of the Wilcox sand production by Amerada Petroleum Company nearby. The Fixico well of R.F. Garland and Independent Oil Company penetrated the Wilcox sand on July 16<sup>th</sup>, flowing 1,500 barrels of oil daily. This well revealed the potential of Wilcox production in the area and started the Greater Seminole oil boom.

In rapid succession came the Searight, Earlsboro, Bowlegs and Little River pools.

Peak production of the Greater Seminole was 527,400 barrels on July 30, 1927. Production has continued for more than 50 years and totaled 201,246,000 barrels by the start of 1977.

Oil discoveries brought an estimated 20,000 oil field workers to the area, transforming Seminole into the last of the oil boomtowns – with several satellite tent and shack towns nearby.

Oklahoma Historical Society with Oklahoma Petroleum Council 1977  
*Granite monument near the entrance to the Seminole Municipal Park, on the north edge of Seminole on Highway 99*

### **14. BARTLESVILLE ENERGY TECHNOLOGY CENTER**

Petroleum technology in the United States, as it is known today, began in Bartlesville on March 28, 1918, with the designation by the United States Government of this city as the site for what is now known as the Bartlesville Energy Technology Center. Known first as the Petroleum Experiment Station, the Center provided pioneering scientific and engineering research to industry. With research targeted on oil and gas field problems, the Center developed specialists in petroleum engineering and technology – pointing to the need for these specialists within the oil companies.

Conservation has been the keynote of the Center's work. Its research has contributed to orderly oil and gas field development, secondary and tertiary methods of recovery and more efficient methods of use.

Cooperative efforts of the petroleum industry and the Center have resulted in findings that have been useful in long range planning for the benefit of the public.

When the energy insufficiency surfaced in the 1970s, the Center provided enhanced recovery processes for producing a potential 40 billion more barrels of petroleum.

In addition to establishing the Center, the Bartlesville community has seen pioneering work by Cities Services, Phillips Petroleum and TRW-Reda companies that has helped bring the petroleum industry to its present scientific level.

Oklahoma Historical Society with Oklahoma Petroleum Council 1978  
*Granite monument on the grounds of the Bartlesville Energy Technology Center in Bartlesville*

## **15. OIL IN THE CUSHING-DRUMRIGHT AREA**

Discovered in March 1912 by Tom Slick and C.B. Shaffer, the Cushing field became one of the greatest oil discoveries of the early 1900's – ranking as the nation's largest oil province for the next eight years.

Production peaked in May 1915 at 300,000 barrels daily. This glut of oil...

- Played havoc with domestic and international oil markets,
- Led to above ground storage exceeding 1.75 million barrels of unsold oil with resultant loss of valuable volatiles,
- Helped bring maturity to Oklahoma's oil industry and an awareness of conservation needs,
- Turned Cushing into a boomtown and vital supply center for area oil operations,
- Made the Cushing area a major processing center with 23 refineries,
- Brought into being a new town, Drumright, located near the discovery well,
- Provided much of the increased U.S. oil supply during World War I that prompted Britain's Lord Curzon to state, "The Allies floated to victory on a sea of oil!"

In 1919, the Cushing-Drumright area accounted for 17 percent of the United States and 3 percent of the World's production of oil. Cumulative production exceeded 450,000,000 barrels by the end of 1979.

Cushing retains its role in oil history as the "the pipeline crossroads of the world". Here in 1979, is the greatest concentration of major carriers in the world, with 23 pipeline systems and total capacity of over 30,000,000 barrels.

Oklahoma Historical Society with Oklahoma Petroleum Council 1979  
*Granite monument on the grounds of City Hall in Cushing*

## **16. PATRIARCH PETROCHEMICAL PLANT OF THE SOUTHWEST**

The manufacture of chemicals from petroleum had its beginnings in the Southwest at the Tallant gas processing plant located 3 miles north of here at the bend of State Highway 11 and Bird Creek.

Built in 1926 by a Cities Service Company subsidiary, the plant process was the research answer to red rust produced in transmission to market of natural gas from the Burbank, Oklahoma field.



The liquid by-product of Burbank gas treatment was first processed into formaldehyde preservative and alcohols. Processing refinements produced other petrochemicals used in solvents, photographic chemicals, preservatives, medical products, refrigerants, safety glass, adhesives and disinfectants.

World War II shifted production of Tallant petrochemicals to high-priority war effort necessities, contributing to development of all-weather plywoods for assault boats, pontoon bridges, torpedo boats, planes and aircraft carrier decking.

Another Tallant petrochemical was used in making shatterproof glass that protected crews of bombers and other war craft.

On battlefields, derivatives of Tallant petrochemicals gave relief from pain to the injured, went into wartime medicines and anesthetics, disinfected against disease and kept in transit foods refrigerated.

Recognized as the patriarch petrochemical plant, it was retired in 1954 and the complex at the bend of Bird Creek partially dismantled. But, the process that had its beginnings in 1926 is still used elsewhere.

Oklahoma Historical Society with Oklahoma Petroleum Council 1981  
*Granite monument on the grounds of the Bigheart Historical Museum at 6<sup>th</sup> and Main in Barnsdall*

## **17. THE ANADARKO BASIN**

The Deep Anadarko Basin of Western Oklahoma is one of the most prolific gas provinces in North America. Wells drilled here have been among the world's deepest.

The Bertha Rogers No. 1 in Washita County, drilled in 1971 to 31,441 feet, was at the time the world's deepest well. In 1979, the No. 1 Sanders well near Sayre became Oklahoma's deepest gas producer at 24,996 feet. When controls on gas prices were lifted, Anadarko justified the faith and perseverance of The GHK Company and other operators who pioneered in deep drilling.

The shallow horizons of Greater Anadarko account for much of this nation's proved gas reserves. Deeper sediments below 15,000 feet remain virtually unexplored. Renewed assessment of some 22,000 cubic miles of deep sediments may carry over into the 21<sup>st</sup> Century.

For the 20<sup>th</sup> Century's final quarter the Basin remains the frontier of deep drilling technology centered on Elk City, "Deep Gas Capital of the World". As gas prices equate more closely to value, the nation's needs may be met increasingly from this massive sedimentary basin, a focal point in drilling innovation and geological interpretation.

In re-energizing America, Anadarko will not yield its gas easily or briefly. Promised rewards lying beyond the threshold of drilling techniques demand massive investment. In challenging the inventive enterprise of America's energy industry, this Basin will remain the heartland of technology in penetrating the earth's crust.

Oklahoma Historical Society with Oklahoma Petroleum Council 1981  
*Granite monument on the grounds of Elk City's Old Town Museum in Elk City*

#### **18. PANHANDLE AREA NATURAL GAS**

The largest individual gas reserve in the United States covers much of the Oklahoma Panhandle, extending northward from Texas through this area and into Kansas. This sprawling Hugoton-Panhandle field provides gas to comfort mankind, fire the boilers of industry and undergirds the nation's economy.

Hugoton-Panhandle gas provides the world's largest source of helium, from which the U.S. Government has drawn a 40-year supply stockpile, and spacecraft and other industries obtain current needs.

The Texas part of the field was discovered in 1918, based on the surface survey and recommendations of Oklahoma's "Covered Wagon Geologist", Charles N. Gould, in 1904-1905. Gas from the deep formation was discovered in southwestern Kansas in 1922. Step-out drilling northward from Texas and southward from Kansas revealed one huge tri-state field covering five million productive acres in parts of 20 counties. Development of these gas reserves was hampered by lack of market outlet.

This huge undeveloped reserve was to figure mightily in the "birthing" of the natural gas industry of the world. Completion of a 24-inch, high-pressure line from the field to Chicago area markets in 1931 ushered in the age of long-distance pipeline transportation of energy and the widespread use of gas at points distant from gas source.

Oklahoma Historical Society with Oklahoma-Kansas Oil and Gas Association 1982  
*Granite monument on the grounds of No Man's Land Regional Park in Guymon*

#### **19. OKLAHOMA: WHERE REFLECTION SEISMOGRAPH WAS BORN**

Oklahoma is the birthplace of the reflection seismic technique of oil exploration. This geophysical method records reflected seismic waves as they travel through the earth, helping to find oil-bearing formations. It has been responsible for discovery of many of the world's largest oil and gas fields, containing billions of barrels of oil and trillions of cubic feet of natural gas.

Dr. J.C. Karcher, an Oklahoma physicist, led pioneering research and development. The Arbuckle Mountains of Oklahoma were selected for a pilot survey of the technique and equipment, because an entire geologic section from the basal Permian to the basement mass of granite is exposed here. This survey followed limited testing in June 1921 in the outskirts of Oklahoma City.

Verification and confirmation testing was conducted in the Arbuckles beginning July 4, 1921 by Dr. Karcher and Dr. W.P. Haseman, Dr. D.W. Ohern and Dr. Irving Perrine, of the University of Oklahoma. Results were promising.

The world's first reflection seismograph geologic section was measured on August 9, 1921 along Vines Branch, a few miles north of Dougherty.

The reflection technique has become the major method of energy exploration throughout the world. By 1983, more than 70 percent of the 18,600 members of the Society of Exploration Geophysicists in 112 countries were involved in reflection seismography.

Oklahoma Historical Society with Oklahoma-Kansas Oil and Gas Association 1983  
*Granite monument at first seismic outlook on southbound Interstate 35 south of Exit 51, about 20 miles north of Ardmore*

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## Appendix D

### What a Barrel of Crude Oil Makes

(1 barrel contains 42 gallons)

<u>Product</u>	<u>Gallons Per Barrel</u>
Gasoline .....	19.4
Distillate Fuel Oil..... (Includes both home heating oil and diesel fuel)	9.7
Kerosene-TypeJet Fuel.....	4.3
Coke .....	2.0
Residual Fuel Oil..... (Heavy oils used as fuels in industry, marine transportation, and for electric power generation)	1.9
Liquefied Refinery Gases.....	1.9
Still Gas .....	1.8
Asphalt and Road Oil .....	1.4
Petrochemicals Feedstocks .....	1.1
Lubricants .....	0.5
Kerosene .....	0.2
Other .....	0.3

#### Notes:

Figures are based on average yields for U.S. refineries in 2000. One barrel contains 42 gallons of crude oil. The total volume of products made is 2.6 gallons greater than the original 42 gallons of crude oil. This represents "processing gain."

Source: American Petroleum Institute (API)

## Appendix E

### Petrochemicals: Raw Materials for More than 3,000 Everyday Products

Oil does a lot more than simply provide fuel for our cars and trucks, keep our homes and offices comfortable, and power our industries. Oil is a key ingredient in making thousands of products that make our lives easier – and in many cases – help us live better and longer lives. From lipstick to aspirin and diapers to roller blades, petrochemicals play a vital part. Here are just a few examples.

Food preservatives  
Soft contact lens  
Antihistamines  
Shampoo  
Hair dryers  
Clothing  
Safety glass  
Toothpaste  
Flowerpots  
Blenders  
Life jackets  
Dishes  
Anesthetics  
Vitamin capsules  
Dyes  
Hang gliders  
Patio screens  
Foul weather gear  
House paint  
Insecticides  
Compact discs  
Piano keys  
Perfumes  
Sunglasses  
Tents  
Nylon rope  
Footballs  
Glue  
Photographs

Balloons  
  
Audio Cassettes  
CD Players  
Containers  
Credit Cards  
Deodorant  
Dinnerware  
Eyeglass Frames  
Infant Seats  
Medical Equipment  
Pantyhose  
Roller Blades  
Shaving Cream  
Syringes  
Telephones  
Toys  
Aspirin  
Baby Strollers  
Candles  
Computers  
Crayons  
DVDs  
Food Storage Bags  
Garbage Bags  
Heart Valve Replacements  
Ink  
Pacemaker  
Photographic Film

Source: American Petroleum Institute (API)

## Appendix F

### **Definitions and Terms Used In This Publication**

**API:** The American Petroleum Institute, a trade association.

**API gravity:** American Petroleum Institute measure of specific gravity of crude oil or condensate in degrees. An arbitrary scale expressing the gravity or density of liquid petroleum products. The measuring scale is calibrated in terms of degrees API; it is calculated as follows:

$$\text{Degrees API} = (141.5 / \text{specific gravity } 60 \text{ degrees F} / 60 \text{ degrees F}) - 131.5$$

**Associated-dissolved natural gas:** Natural gas that occurs in crude oil reservoirs either as free gas (associated) or as gas in solution with crude oil (dissolved gas). Also see **Natural gas**.

**Associated natural gas:** See **associated-dissolved natural gas** and **Natural gas**.

**ASTM:** The acronym for the American Society for Testing and Materials.

**Barrel:** A unit of volume equal to 42 U.S. gallons.

**Barrels per Calendar day:** The amount of input that a distillation facility can process under usual operating conditions. The amount is expressed in terms of capacity during a 24-hour period and reduces the maximum processing capability of all units at the facility under continuous operation to account for the following limitations that may delay, interrupt, or slow down production.

1. the capability of downstream processing units to absorb the output of crude oil processing facilities of a given refinery. No reduction is necessary for intermediate streams that are distributed to other than downstream facilities as part of a refinery's normal operation;
2. the types and grades of inputs to be processed;
3. the types and grades of products expected to be manufactured;
4. the environmental constraints associated with refinery operations;
5. the reduction of capacity for scheduled downtime due to such conditions as routine inspection, maintenance, repairs, and turnaround; and
6. the reduction of capacity for unscheduled downtime due to such conditions as mechanical problems, repairs, and slowdowns.

**Barrels per Stream day:** The maximum number of barrels of input that a distillation facility can process within a 24-hour period when running at full capacity under optimal crude and product slate conditions with no allowance for downtime.

**bbbl:** The abbreviation for barrel(s).

**bbbl/d:** The abbreviation for barrel(s) per day.

**bcd:** The abbreviation for Barrel(s) per Calendar day.

**bcf:** The abbreviation for billion cubic feet.

**British thermal unit:** The quantity of heat required to raise the temperature of 1 pound of liquid water by 1 degree Fahrenheit at the temperature at which water has its greatest density (approximately 39 degrees Fahrenheit).

**Btu:** The abbreviation for British thermal unit(s).

**Btu conversion factors:** Btu conversion factors for site energy are as follows:

Electricity ..... 3,412 Btu/kilowatt-hour

Natural Gas ..... 1,031 Btu/cubic foot

Fuel Oil No. 1 ..... 135,000 Btu/gallon

Kerosene ..... 135,000/gallon

Fuel Oil No. 2 ..... 138,690 Btu/gallon

LPG (Propane) ..... 91,330 Btu/gallon

Wood ..... 20 million Btu/cord

**Casinghead gas (or oil well gas):** Natural gas produced along with crude oil from oil wells. It contains either dissolved or associated gas or both.

**Coal bed methane:** Methane is generated during coal formation and is contained in the coal microstructure. Typical recovery entails pumping water out of the coal to allow the gas to escape. Methane is the principal component of natural gas.

**Coke (petroleum):** A residue high in carbon content and low in hydrogen that is the final product of thermal decomposition in the condensation process in cracking. This product is reported as marketable coke or catalyst coke. The conversion is 5 barrels (of 42 U.S. gallons each) per short ton. Coke from petroleum has a heating value of 6.024 million Btu per barrel.

**Completion (oil/gas production):** The term refers to the installation of permanent equipment for the production of oil or gas. If a well is equipped to produce only oil or gas from one zone or reservoir, the definition of a "well" (classified as an oil well or gas well) and the definition of a "completion" are identical. However, if a well is equipped to produce oil and/or gas separately from more than one reservoir, a "well" is not synonymous with a "completion." (See **Well**.)

**Condensate (lease condensate):** A natural gas liquid recovered from associated and nonassociated gas wells from lease separators or field facilities, reported in barrels of 42 U.S. gallons at atmospheric pressure and 60 degrees Fahrenheit.

**Crude Oil:** A mixture of hydrocarbons that exists in liquid phase in natural underground reservoirs and remains liquid at atmospheric pressure after passing through surface separating facilities. Depending upon the characteristics of the crude stream, it may also include:

1. Small amounts of hydrocarbons that exist in gaseous phase in natural underground reservoirs but are liquid at atmospheric pressure after being recovered from oil well (casinghead) gas in lease separators and are subsequently commingled with the crude stream without being separately measured. Lease condensate recovered as a liquid from natural gas wells in lease or field separation facilities and later mixed into the crude stream is also included;
2. Small amounts of nonhydrocarbons produced with the oil, such as sulfur and various metals;
3. Drip gases, and liquid hydrocarbons produced from tar sands, gilsonite, and oil shale.

Liquids produced at natural gas processing plants are excluded. Crude oil is refined to produce a wide array of petroleum products, including heating oils; gasoline, diesel and jet fuels; lubricants; asphalt; ethane, propane, and butane; and many other products used for their energy or chemical content.

**Cubic foot (cf), natural gas:** The amount of natural gas contained at standard temperature and pressure (60 degrees Fahrenheit and 14.73 pounds standard per square inch) in a cube whose edges are one foot long.

**Distillate fuel oil:** A general classification for one of the petroleum fractions produced in conventional distillation operations. It includes diesel fuels and fuel oils. Products known as No. 1, No. 2, and No. 4 diesel fuel are used in on-highway diesel engines, such as those in trucks and automobiles, as well as off-highway engines, such as those in railroad locomotives and agricultural machinery. Products known as No. 1, No. 2, and No. 4 fuel oils are used primarily for space heating and electric power generation.

**No. 1 Distillate:** A light petroleum distillate that can be used as either a diesel fuel (see **No. 1 Diesel Fuel**) or a fuel oil. See **No. 1 Fuel Oil**.

- **No. 1 Diesel Fuel:** A light distillate fuel oil that has distillation temperatures of 550 degrees Fahrenheit at the 90-percent point and meets the specifications defined in ASTM Specifications D 975. It is used in high-speed diesel engines, such as those in city buses and similar vehicles. See **No. 1 Distillate**.
- **No. 1 Fuel Oil:** A light distillate fuel oil that has distillation temperatures of 400 degrees Fahrenheit at the 10-percent recovery point and 550 degrees Fahrenheit at the 90-percent point and meets the specifications defined in ASTM Specification D 396. It is used primarily as fuel for portable outdoor stoves and portable outdoor heaters. See **No. 1 Distillate**.



**No. 2 Distillate:** A petroleum distillate that can be used as either a diesel fuel (see **No. 2 Diesel Fuel**) or a fuel oil. See **No. 2 Fuel oil** below.

- **No. 2 Diesel Fuel:** A fuel that has distillation temperatures of 500 degrees Fahrenheit at the 10-percent recovery point and 640 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specifications D 975. It is used in high-speed diesel engines, such as those in railroad locomotives, trucks, and automobiles. See **No. 2 Distillate**.
- **Low Sulfur No. 2 Diesel Fuel:** No. 2 diesel fuel that has a sulfur level no higher than 0.05 percent by weight. It is used primarily in motor vehicles diesel engines for on-highway use.
- **High Sulfur No. 2 Diesel Fuel:** No. 2 diesel fuel that has a sulfur level above 0.05 percent by weight.
- **No. 2 Fuel Oil (Heating Oil):** A distillate fuel oil that has distillation temperatures of 400 degrees Fahrenheit at the 10-percent recovery point and 640 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 396. It is used in atomizing type burners for domestic heating or for moderate capacity commercial/industrial burner units. See **No. 2 Distillate**.

**No. 4 Fuel:** A distillate fuel oil made by blending distillate fuel oil and residual fuel oil stocks. It conforms to ASTM Specification D 396 or Federal Specification VV-F-815C and is used extensively in industrial plants and in commercial burner installations that are not equipped with preheating facilities. It also includes No. 4 diesel fuel used for low- and medium-speed diesel engines and conforms to ASTM Specification D 975.

**No. 4 Diesel Fuel and No. 4 Fuel Oil:** See **No. 4 Fuel** above.

**DOE:** Department of Energy

**Dry gas:** See **Dry natural gas** below.

**Dry hole:** An exploratory or development well found to be incapable of producing either oil or gas in sufficient quantities to justify completion as an oil or gas well. Also see **Well**.

**Dry natural gas:** Natural gas, which remains after: 1) the liquefiable hydrocarbon portion has been removed from the gas stream (i.e., gas after lease, field, and/or plant separation); and 2) any volumes of nonhydrocarbon gases have been removed where they occur in sufficient quantity to render the gas unmarketable. Note: Dry natural gas is also known as consumer-grade natural gas. The parameters for measurement are cubic feet at 60 degrees Fahrenheit and 14.73 pounds per square inch absolute. Also see **Natural gas**.

**EIA:** The Energy Information Administration. An independent agency within the U.S. Department of Energy that develops surveys, collects energy data, and analyzes and models energy issues. The Agency must meet the requests of Congress, other elements within the Department of Energy, Federal Energy Regulatory Commission, the Executive Branch, its own

independent needs, and assist the general public, or other interest groups, without taking a policy position.

**Exploratory well:** A hole drilled: a) to find and produce oil or gas in an area previously considered unproductive area; b) to find a new reservoir in a known field, i.e., one previously producing oil and gas from another reservoir, or c) to extend the limit of a known oil or gas reservoir.

**Fahrenheit:** A temperature scale on which the boiling point of water is at 212 degrees above zero on the scale and the freezing point is at 32 degrees above zero at standard atmospheric pressure.

**Field:** An area consisting of a single reservoir or multiple reservoirs all grouped on, or related to, the same individual geological structure feature and/or stratigraphic condition. There may be two or more reservoirs in a field that are separated vertically by intervening impervious strata or laterally by local geologic barriers, or by both.

**Footage drilled:** Total footage for wells in various categories, as reported for any specified period, includes 1) the deepest total depth (length of well bores) of all wells drilled from the surface, 2) the total of all bypassed footage drilled in connection with reported wells, and 3) all new footage drilled for directional sidetrack wells. Footage reported for directional sidetrack wells does not include footage in the common bore that is reported as footage for the original well. In the case of old wells drilled deeper, the reported footage is that which was drilled below the total depth of the old well.

**Gallon:** A volumetric measure equal to 4 quarts (231 cubic inches) used to measure fuel oil. One barrel equals 42 gallons.

**Gas well:** A well completed for production of natural gas from one or more gas zones or reservoirs. Such wells contain no completions for the production of crude oil.

**Hydrocarbon:** An organic chemical compound of hydrogen and carbon in the gaseous, liquid, or solid phase. The molecular structure of hydrocarbon compounds varies from the simplest (methane, a constituent of natural gas) to the very heavy and very complex.

**Jet fuel:** A refined petroleum product used in jet aircraft engines. It includes kerosene-type jet and naphtha-type jet fuel.

**Kerosene:** A light petroleum distillate that is used in space heaters, cook stoves, and water heaters and is suitable for use as a light source when burned in wick-fed lamps. Kerosene has a maximum distillation temperature of 400 degrees Fahrenheit at the 10-percent recovery point, a final boiling point of 572 degrees Fahrenheit, and a minimum flash point of 100 degrees Fahrenheit. Included is No. 1-K and No. 2-K, the two grades recognized by ASTM Specification D 3699 as well as all other grades of kerosene called range or stove oil, which have properties similar to those of No. 1 fuel oil. Also see **Kerosene-type jet fuel**.

**Kerosene-type jet fuel:** A kerosene-based product having a maximum distillation temperature of 400 degrees Fahrenheit at the 10-percent recovery point and a final maximum boiling point of 572 degrees Fahrenheit and meeting ASTM Specifications D 1655 and Military Specifications MIL-T-5624P and MIL-T-83133D (Grades JP-5 and JP-8). It is used for commercial and military turbojet and turboprop aircraft engines.

**Lubricants:** Substances used to reduce friction-bearing surfaces, or incorporated into other materials used as processing aids in the manufacture of other products, or used as carriers of other materials. Petroleum lubricants may be produced either from distillates or residues. Lubricants include all grades of lubricating oils, from spindle oil to cylinder oil to those used in greases.

**Marketed production:** Gross withdrawals less gas used for repressuring, quantities vented and flared, and nonhydrocarbon gases removed in treating or processing operations. Includes all quantities of gas used in field and processing plant operations.

**Mcf:** One thousand cubic feet.

**Methane:** A colorless, flammable, odorless hydrocarbon gas (CH<sub>4</sub>), which is the major component of natural gas. It is also an important source of hydrogen in various industrial processes.

**MMbbl/d:** One million barrels of oil per day.

**MMBtu:** One million British thermal units.

**MMcf:** One million cubic feet.

**MMgal/d:** One million gallons per day.

**Natural gas:** A gaseous mixture of hydrocarbon compounds, the primary one being **methane**.

**Natural gas, "dry":** See **Dry natural gas** (above).

**Natural gas marketed production:** Gross withdrawals of natural gas from production reservoirs, less gas used for reservoir repressuring, nonhydrocarbon gases removed in treating and processing operations, and quantities vented and flared.

**Natural gas production:** See **Dry natural gas production**.

**New field:** A field discovered during the report year.

**New field discoveries:** The volumes of proved reserves of crude oil, natural gas, and/or natural gas liquids discovered in new fields during the report year.

**Nonassociated natural gas:** Natural gas that is not in contact with significant quantities of crude oil in the reservoir. See **natural gas**.

**Oil:** A mixture of hydrocarbons usually existing in the liquid state in natural underground pools or reservoirs. Gas is often found in association with oil. Also see **Petroleum**.

**Oil reservoir:** An underground pool of liquid consisting of hydrocarbons, sulfur, oxygen, and nitrogen trapped within a geological formation and protected from evaporation by the overlying mineral strata.

**Oil well:** A well completed for the production of crude oil from at least one oil zone or reservoir.

**Oil well (casinghead) gas:** Associated and dissolved gas produced along with crude oil from oil completions.

**Operator (oil and/or gas well):** The person responsible for the management and day-to-day operation of one or more crude oil and/or natural gas wells as of December 31 of the report year. The operator is generally a working-interest owner or a company under contract to the working-interest owner(s). Wells included are those that have proved reserves of crude oil, natural gas, and/or lease condensate in the reservoirs associated with them, whether or not they are producing. Wells abandoned during the report year are also to be considered "operated" as of December 31.

**Petroleum:** A broadly defined class of liquid hydrocarbon mixtures. Included are crude oil, lease condensate, unfinished oils, refined products obtained from the processing of crude oil, and natural gas plant liquids. *Note:* Volumes of finished petroleum products include nonhydrocarbon compounds, such as additives and detergents, after they have been blended into the products.

**Petroleum consumption:** The sum of all refined petroleum products supplied. For each refined petroleum product, the amount supplied is calculated by adding production and imports, then subtracting changes in primary stocks (net withdrawals are a plus quantity and net additions are a minus quantity) and exports.

**Petroleum products:** Petroleum products are obtained from the processing of crude oil (including lease condensate), natural gas, and other hydrocarbon compounds. Petroleum products include unfinished oils, liquefied petroleum gases, pentanes plus, aviation gasoline, motor gasoline, naphtha-type jet fuel, kerosene-type jet fuel, kerosene, distillate fuel oil, residual fuel oil, petrochemical feedstocks, special naphthas, lubricants, waxes, petroleum coke, asphalt, road oil, still gas, and miscellaneous products.

**Petroleum refinery:** An installation that manufactures finished petroleum products from crude oil, unfinished oils, natural gas liquids, other hydrocarbons, and alcohol.

**Pipeline (natural gas):** A continuous pipe conduit, complete with such equipment as valves, compressor stations, communications systems, and meters for transporting natural and/or

supplemental gas from one point to another, usually from a point in or beyond the producing field or processing plant to another pipeline or to points of utilization. Also refers to a company operating such facilities.

**Pipeline (petroleum):** Crude oil and product pipelines used to transport crude oil and petroleum products, respectively (including interstate, intrastate, and intracompany pipelines), within the 50 states and the District of Columbia.

**Producer:** A company engaged in the production and sale of natural gas from gas or oil wells with delivery generally at a point at or near the wellhead, the field, or the tailgate of a gas processing plant. For the purpose of company classification, a company primarily engaged in the exploration for, development of, and/or production of oil and/or natural gas.

**Production:** See production terms associated with specific energy types.

**Production (crude oil):** The volumes of crude oil that are extracted from oil reservoirs. These volumes are determined through measurement of the volumes delivered from lease storage tanks or at the point of custody transfer, with adjustment for 1) net differences between opening and closing lease inventories and 2) basic sediment and water. Crude oil used on the lease is considered production.

**Production (lease condensate):** The volume of lease condensate produced. Lease condensate volumes include only those volumes recovered from lease or field separation facilities.

**Production (natural gas):** The volume of natural gas withdrawn from reservoirs less 1) the volume returned to such reservoirs in cycling, repressuring of oil reservoirs, and conservation operations; less 2) shrinkage resulting from the removal of lease condensate; and less 3) nonhydrocarbon gases where they occur in sufficient quantity to render the gas unmarketable. Volumes of gas withdrawn from gas storage reservoirs and native gas, which has been transferred to the storage category, are not considered production. Flared and vented gas is also considered production. (This differs from "Marketed Production" which excludes flared and vented gas.)

**Production (natural gas, dry):** The volume of natural gas withdrawn from reservoirs during the report year less 1) the volume returned to such reservoirs in cycling, repressuring of oil reservoirs, and conservation operations; less 2) shrinkage resulting from the removal of lease condensate and plant liquids; and less 3) nonhydrocarbon gases where they occur in sufficient quantity to render the gas unmarketable. Volumes of gas withdrawn from gas storage reservoirs and native gas, which has been transferred to the storage category, are not considered production. This is not the same as marketed production, because the latter also excludes vented and flared gas, but contains plant liquids.

**Production (oil and gas):** The lifting of oil and gas to the surface and gathering, treating, field processing (as in the case of processing gas to extract liquid hydrocarbons), and field storage. The production function shall normally be regarded as terminating at the outlet valve on the

lease or field production storage tank. If unusual physical or operational circumstances exist, it may be more appropriate to regard the production function as terminating at the first point at which oil, gas, or gas liquids are delivered to a main pipeline, a common carrier, a refinery, or a marine terminal.

**Refinery:** An installation that manufactures finished petroleum products from crude oil, unfinished oils, natural gas liquids, other hydrocarbons, and oxygenates.

**Reservoir:** A porous and permeable underground formation containing an individual and separate natural accumulation of producible hydrocarbons (crude oil and/or natural gas) which is confined by impermeable rock or water barriers and is characterized by a single natural pressure system.

**Service well:** A well drilled, completed, or converted for the purpose of supporting production in an existing field. Wells of this class also are drilled or converted for the following specific purposes: gas injection (natural gas, propane, butane or fuel-gas); water injection; steam injection; air injection; salt water disposal; water supply for injection; observation; and injection for in-situ combustion.

**Tcf:** One trillion cubic feet.

**Well:** A hole drilled in the earth for the purpose of 1) finding or producing **crude oil** or **natural gas**; or 2) producing services related to the production of crude oil or natural gas.

**Wet natural gas:** A mixture of hydrocarbon compounds and small quantities of various nonhydrocarbons existing in the gaseous phase or in solution with crude oil in porous rock formations at reservoir conditions. The principal hydrocarbons normally contained in the mixture are methane, ethane, propane, butane, and pentane. Typical nonhydrocarbon gases that may be present in reservoir natural gas are water vapor, carbon dioxide, hydrogen sulfide, nitrogen and trace amounts of helium. Under reservoir conditions, natural gas and its associated 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 separate substances. *Note:* The Securities and Exchange Commission and the Financial Accounting Standards Board refer to this product as **natural gas**.

**Wildcat well:** a well drilled to test for the present of oil or gas in a previously undeveloped area.

Source: Energy Information Administration