

## Top 100 Oil and Gas Fields of 2008

The **Top 100 Oil and Gas Fields of 2008** ranks the United States' largest oil and gas fields by their estimated 2008 proved reserves. This report accompanies EIA's annual proved reserves summary for the corresponding reporting year, **U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Proved Reserves, 2008**.

In one respect, this report differs from the annual summary. The annual summary reports natural gas liquids (NGL) reserves separately from reserves of crude oil and dry natural gas. To assure historical continuity with previous years' field lists, this report apportions NGL reserves between crude oil and natural gas. In particular, NGLs comprise two types of liquid hydrocarbon that are extracted from natural gas at the surface:

- Lease condensate, which is recovered as liquids at lease or field separation facilities, and
- Natural gas plant liquids, which stay with the natural gas stream until they are extracted further "downstream" in processing plants.

This field ranking groups lease condensate with the crude oil stream (as liquids) and plant liquids with natural gas (as "wet" natural gas), as have the field rankings from previous years. To provide consistent data in the future, starting with the 2009 reporting year, the annual reserves summary and the field ranking report will treat NGL reserves similarly.

A small number of companies operate some oil and gas fields on these lists. For this reason, EIA does not provide field-specific reserves estimates, as publishing these volumes could compromise company-proprietary data. Instead, we divide field reserves data into four groups (top 10, top 20, top 50, and top 100) to provide a sense of the concentration of the nation's total proved reserves.

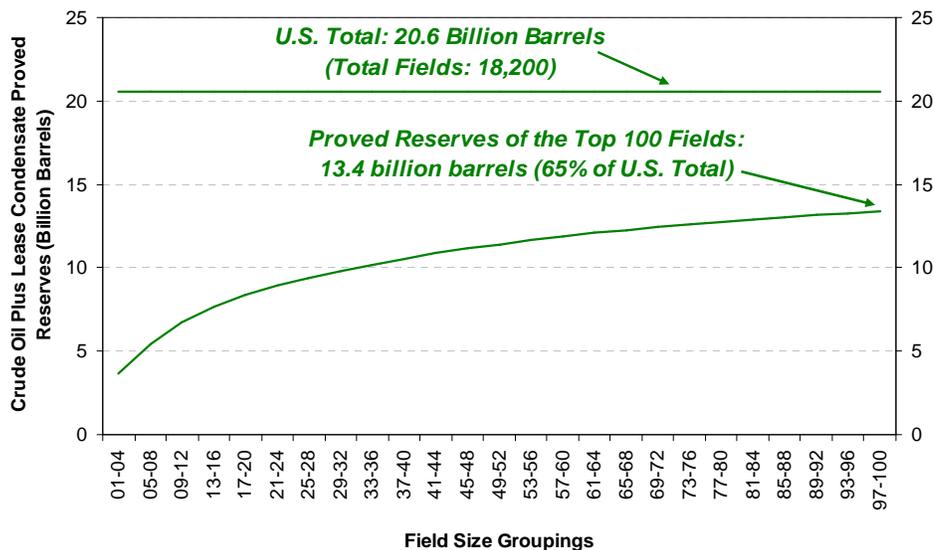
### Summary for the Top 100 Oil and Gas Fields for 2008

Group	Liquids Proved Reserves (Million Barrels)		Wet Natural Gas Proved Reserves (Billion Cubic Feet)	
	Cumulative Reserves	Share of U.S. Total	Cumulative Reserves	Share of U.S. Total
Top 10	6,186	30.1%	76,872	30.1%
Top 20	8,371	40.7%	99,709	39.1%
Top 50	11,289	54.9%	132,508	52.0%
Top 100	13,385	65.1%	154,871	60.7%
Total U.S.	20,554	100.0%	255,035	100.0%

### Top 100 Oil Fields

The top 100 fields had 13 billion barrels of proved reserves of crude oil and lease condensate in 2008, or about 65 percent of the U.S. total. Alaska's Prudhoe Bay Field repeated as the country's largest oil field in 2008. The following chart shows the cumulative proved reserves of the top 100 fields by field-size grouping (25 groups of four in descending volumetric order).

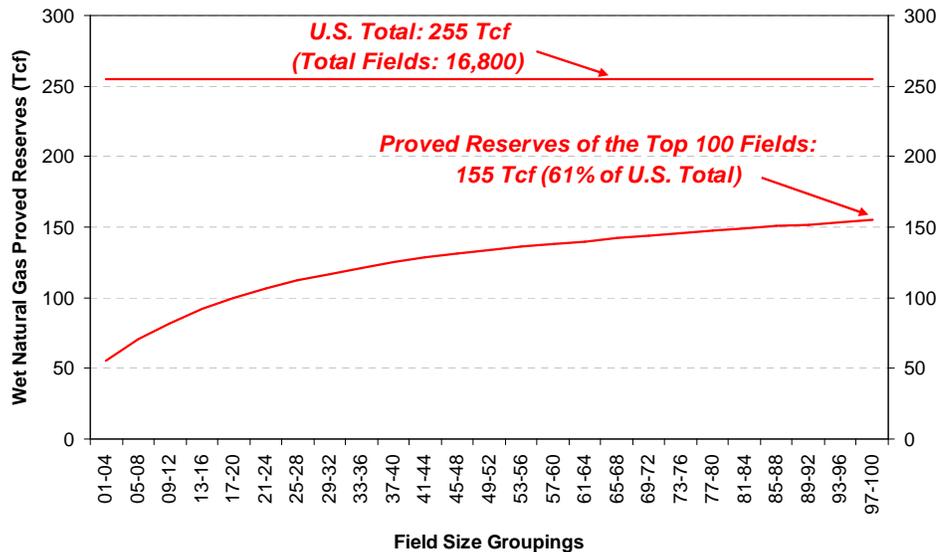
**Cumulative Proved Reserves: Top 100 Oil Fields of 2008**



## Top 100 Gas Fields

The top 100 fields for 2008 had 155 Tcf of wet natural gas proved reserves, or about 61 percent of the national total. In 2008, the unconventional Newark East Field, which produces gas from the Barnett Shale in the Fort Worth Basin of Texas, became the country's largest gas field (as measured by proved reserves). The B-43 shale gas field (which produces from the Fayetteville Shale in Arkansas), also ranked among the nation's top ten gas fields. Given the rapid pace of development drilling, the Haynesville Shale (Texas and Louisiana) and the Marcellus Shale (primarily Pennsylvania) may be poised to appear in future top 100 gas field lists.

**Cumulative Proved Reserves: Top 100 Gas Fields of 2008**



## Top 100 Field Location Maps

Locations of the top 100 oil and gas fields of 2008 are shown on pages 7 and 8; many fields appear on both maps, as they contain proved reserves of both oil and gas. The fields may be seen in further detail on [this map](#). Please note that the map file is large (16 MB) and may take several minutes to download.

## Top 100 Field Rankings

The following tables rank the top 100 oil and gas fields individually by estimated 2008 field level data, although reserves for each field are not divulged for reasons described above. We provide estimated production volumes for all listed fields to give an idea of the field size. Note, however, that these are estimates companies provide with their reserves data and do not represent final reports. We include nonproducing reserves as well as producing reserves. Nonproducing reserves are a subset of proved reserves, but are not currently producing for a variety of reasons. For example, they may be awaiting further development activity (such as the drilling of additional development wells) or installation of production or pipeline facilities.

For additional reserves information, including breakouts by State and State subdivision, please refer to **U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Proved Reserves, 2008**, which can be found at [this link](#).

**Top 100 U.S. Fields Ranked by Liquids Proved Reserves from Estimated 2008 Field Level Data**  
**Includes Lease Condensate**  
(million barrels of 42 U.S. gallons)

2008 Rank	Field Name	Location	2008 Estimated Production Volume	Rank Group		Discovery Year	2007 Rank
				Proved Reserves	Nonproducing Reserves		
1	PRUDHOE BAY	AK	96.3			1967	1
2	SPRABERRY TREND AREA	TX	34.8			1949	3
3	MISSISSIPPI CANYON BLK 778 (THUNDER HORSE)	FG	12.5			1999	7
4	MISSISSIPPI CANYON BLK 807 (MARS-URSA)	FG	61.9			1989	5
5	BELRIDGE SOUTH	CA	36.0		(1-10)	1911	4
6	WASSON	TX	23.1			1937	2
7	KUPARUK RIVER	AK	39.3			1969	6
8	ELK HILLS	CA	14.9			1919	9
9	MIDWAY-SUNSET	CA	36.3			1901	8
10	GREEN CANYON BLK 699 (ATLANTIS)	FG	29.4			1998	10
<b>Top 10 Volume Subtotal</b>			<b>384.5</b>	<b>6,186.2</b>	<b>1,792.5</b>		
<b>Top 10 Percentage of U.S. Total</b>			<b>20.8%</b>	<b>30.1%</b>	<b>29.9%</b>		
11	KERN RIVER	CA	29.5			1899	12
12	CEDAR HILLS	MT & ND & SD	24.6			1951	11
13	WATTENBERG	CO	15.4			1970	15
14	GREEN CANYON BLK 640 (TAHITI)	FG	0.0			2002	24
15	GREEN CANYON BLK 826 (MAD DOG)	FG	20.5		(11-20)	1998	19
16	SLAUGHTER	TX	10.8			1937	13
17	MILNE POINT	AK	11.8			1982	17
18	SALT CREEK	WY	3.3			1889	18
19	ALPINE	AK	32.7			1994	16
20	SEMINOLE	TX	6.6			1936	23
<b>Top 20 Volume Subtotal</b>			<b>539.5</b>	<b>8,371.1</b>	<b>2,626.8</b>		
<b>Top 20 Percentage of U.S. Total</b>			<b>29.2%</b>	<b>40.7%</b>	<b>43.8%</b>		
21	CYMRIC	CA	18.0			1916	21
22	LEVELLAND	TX	7.9			1945	20
23	ELM COULEE	MT	16.0			2000	25
24	GOLDSMITH	TX	5.5			1935	27
25	WILMINGTON	CA	14.6			1932	14
26	HONDO	FP	5.5			1969	28
27	LOST HILLS	CA	11.8			1910	22
28	MONUMENT BUTTE	UT	5.2			1964	41
29	ORION	AK	3.5			2002	29
30	PARSHALL	ND	11.0			2006	84
31	SACATE	FP	3.2			1970	45
32	SHO-VEL-TUM	OK	7.6			1905	33
33	MISSISSIPPI CANYON BLK 84 (KING/HORN MT.)	FG	15.6			1993	88
34	GREEN CANYON BLK 562 (K2)	FG	5.6			1999	47
35	MISSISSIPPI CANYON BLK 383 (KEPLER)	FG	22.8		(21-50)	1987	32
36	FUHRMAN-MASCHO	TX	4.2			1930	52
37	HOBBS	NM & TX	4.5			1945	35
38	YATES	TX	10.2			1926	31
39	COWDEN NORTH	TX	4.6			1930	34
40	GREEN CANYON BLK 644 (HOLSTEIN)	FG	10.3			1999	44
41	SAN ARDO	CA	4.2			1947	42
42	POINT MCINTYRE	AK	9.5			1988	46
43	STANLEY	ND	9.7			1977	NA
44	GREATER ANETH	UT	3.6			1956	26
45	WARD-ESTES NORTH	TX	3.5			1927	50
46	NORTHSTAR	AK	11.4			1984	37
47	BOREALIS	AK	4.4			2001	49
48	WEST SAK	AK	6.2			1969	43
49	ENDICOTT	AK	4.7			1978	38
50	PESCADO	FP	4.8			1970	30
<b>Top 50 Volume Subtotal</b>			<b>789.0</b>	<b>11,289.1</b>	<b>3,390.6</b>		
<b>Top 50 Percentage of U.S. Total</b>			<b>42.8%</b>	<b>54.9%</b>	<b>56.6%</b>		

**Top 100 U.S. Fields Ranked by Liquids Proved Reserves from Estimated 2008 Field Level Data,  
Includes Lease Condensate (Continued)**  
(million barrels of 42 U.S. gallons)

2008 Rank	Field Name	Location	2008 Estimated Production Volume	Rank Group		Discovery Year	2007 Rank
				Proved Reserves	Nonproducing Reserves		
51	VACUUM	NM	5.6			1929	53
52	PINEDALE	WY	3.0			1955	62
53	ROBERTSON NORTH	TX	4.0			1956	54
54	MISSISSIPPI CANYON BLK 696 (BLIND FAITH)	FG	1.1			2005	59
55	FULLERTON	TX	3.5			1942	55
56	COALINGA	CA	5.7			1887	58
57	GREEN CANYON BLK 654 (SHENZI)	FG	1.7			2003	67
58	NATURAL BUTTES	UT	2.5			1940	76
59	INGLEWOOD	CA	3.1			1924	40
60	POSO CREEK	CA	2.0			1929	85
61	MCELROY	TX	4.5			1926	56
62	GIDDINGS	TX	7.6			1960	39
63	VENTURA	CA	4.2			1916	36
64	KELLY-SNYDER	TX	10.3			1948	48
65	ATWATER VALLEY BLK 575 (NEPTUNE)	FG	5.2			1995	63
66	LAKE WASHINGTON	LA	6.2			1931	64
67	HOWARD-GLASSCOCK	TX	2.5			1925	95
68	FITTS	OK	1.3			1933	99
69	TINSLEY	MS	0.8			1939	NA
70	POLARIS	AK	1.7			2000	77
71	RANGELY	CO	5.0			1902	61
72	LISBURNE	AK	2.7			1967	75
73	AURORA	AK	3.3			1969	73
74	ANTON-IRISH	TX	3.5			1944	65
75	GARDEN BANKS BLK 171 (SALSA)	FG	2.6	(51-100)		1984	68
76	BREA-OLINDA	CA	1.1			1897	70
77	EAST TEXAS	TX	4.0			1930	69
78	KERN FRONT	CA	2.1			1925	81
79	WALKER RIDGE BLK 206 (CASCADE)	FG	0.0			2002	NA
80	HAWKINS	TX	2.2			1940	74
81	POSTLE	OK	2.3			1958	71
82	EUNICE MONUMENT	NM	1.9			1929	80
83	MEANS	TX	2.8			1934	82
84	WESTBROOK	TX	2.3			1920	66
85	SALT CREEK	TX	2.7			1942	18
86	TARN	AK	5.6			1991	83
87	NIKAITCHUQ	AK	0.0			2005	90
88	CEDAR LAKE	TX	1.9			1939	72
89	MALJAMAR	NM	1.4			1926	128
90	JONAH	WY	3.6			1977	93
91	GRAND ISLE BLK 43	FG	3.6			1956	86
92	SALLIE ANN	TX	1.7			2004	NA
93	GOLDEN TREND	OK	1.9			1945	91
94	GREEN CANYON BLK 339 (FRONT RUNNER)	FG	1.6			2001	96
95	SOUTH PASS BLK 62	FG	1.0			1965	NA
96	HEIDELBERG EAST	MS	1.1			1944	160
97	GREEN CANYON BLK 244 (TROIKA)	FG	0.9			1994	NA
98	NEWARK EAST	TX	4.2			1981	143
99	T X L	TX	1.6			1944	123
100	CARTHAGE	TX	1.9			1936	110
<b>Top 100 Volume Subtotal</b>			<b>936.3</b>	<b>13,384.9</b>	<b>4,107.0</b>		
<b>Top 100 Percentage of U.S. Total</b>			<b>50.7%</b>	<b>65.1%</b>	<b>68.5%</b>		

NA=Not ranked in the top 200 in 2007.

Notes: The U.S. total production estimate of 1,872 million barrels and the U.S. total reserves estimate of 22,812 million barrels, used to calculate the percentages in this table, are from the combined totals of Table 4 (crude oil) and Table 12 (lease condensate) in *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Proved Reserves, 2008*. Column totals may not add due to independent rounding.

FP = Federal Offshore Pacific.

FG = Federal Offshore Gulf of Mexico.

Source: Energy Information Administration, Office of Oil and Gas.

**Top 100 U.S. Fields Ranked by Gas Proved Reserves from Estimated 2008 Field Level Data**  
**Total Wet Gas After Lease Separation**  
(billion cubic feet)

2008 Rank	Field Name	Location	2008 Estimated Production Volume	Rank Group		Discovery Year	2007 Rank
				Proved Reserves	Nonproducing Reserves		
1	NEWARK EAST	TX	1625.2			1981	2
2	SAN JUAN BASIN GAS AREA	CO & NM	1285.3			1927	1
3	PINEDALE	WY	385.0			1955	4
4	PRUDHOE BAY	AK	148.9			1967	3
5	NATURAL BUTTES	UT	217.1		(1-10)	1940	6
6	HUGOTON GAS AREA	KS & OK & TX	355.9			1922	5
7	B-43 (FAYETTEVILLE)	AR	275.8			2004	26
8	JONAH	WY	402.8			1977	7
9	WATTENBERG	CO	193.3			1970	8
10	NORTHSTAR	AK	0.0			1984	13
<b>Top 10 Volume Subtotal</b>			<b>4,889.2</b>	<b>76,871.8</b>	<b>26,066.3</b>		
<b>Top 10 Percentage of U.S. Total</b>			<b>22.8%</b>	<b>30.1%</b>	<b>30.5%</b>		
11	GRAND VALLEY	CO	210.8			1985	16
12	ANTRIM	MI	130.5			1965	9
13	CARTHAGE	TX	233.3			1936	12
14	FOGARTY CREEK	WY	168.1			1975	11
15	RATON BASIN GAS AREA	CO & NM	139.0		(11-20)	1998	14
16	PRB COALBED	MT & WY	535.3			1992	10
17	SPRABERRY TREND AREA	TX	96.0			1949	17
18	LAKE RIDGE	WY	74.9			1981	18
19	LOWER MOBILE BAY AREA	AL & FG	154.5			1979	15
20	ELM GROVE	LA	141.0			1916	23
<b>Top 20 Volume Subtotal</b>			<b>6,772.6</b>	<b>99,708.8</b>	<b>32,498.9</b>		
<b>Top 20 Percentage of U.S. Total</b>			<b>31.6%</b>	<b>39.1%</b>	<b>38.0%</b>		
21	BIG SANDY	KY	53.5			1926	20
22	PARACHUTE	CO	93.0			1985	24
23	MAMM CREEK	CO	113.9			1959	27
24	SAWYER	TX	78.6			1960	19
25	PINON	TX	109.1			1982	28
26	MADDEN	WY	102.9			1968	22
27	OAKWOOD	VA	75.1			1990	25
28	FREESTONE	TX	99.2			1949	21
29	RULISON	CO	114.5			1958	29
30	STILES RANCH	OK & TX	89.7			1978	32
31	OAK HILL	TX	105.5			1958	30
32	BALD PRAIRIE	TX	75.5			1976	31
33	CARTHAGE NORTH	TX	37.7			1966	40
34	ELK HILLS	CA	119.2			1919	33
35	WILD ROSE	WY	25.6		(21-50)	1975	36
36	STRONG CITY DISTRICT	OK	82.8			1966	34
37	WAMSUTTER	WY	36.3			1958	38
38	STANDARD DRAW	WY	26.6			1979	42
39	BEAR GRASS	TX	50.8			1977	55
40	FARRAR	TX	72.3			1963	35
41	MISSISSIPPI CANYON BLK 807 (MARS-URSA)	FG	77.5			1989	37
42	PICEANCE CREEK	CO	18.7			1930	46
43	ECHO SPRINGS	WY	30.5			1976	39
44	PINE HOLLOW SOUTH	OK	58.7			1959	51
45	BUFFALO WALLOW	TX	59.1			1969	44
46	TEAGUE	TX	78.9			1945	43
47	CASPIANA	LA	53.4			1925	62
48	MESA UNIT	WY	31.4			1981	50
49	VERNON	LA	64.4			1967	47
50	RED OAK-NORRIS	OK	53.3			1910	49
<b>Top 50 Volume Subtotal</b>			<b>8,860.4</b>	<b>132,507.8</b>	<b>45,439.6</b>		
<b>Top 50 Percentage of U.S. Total</b>			<b>41.4%</b>	<b>52.0%</b>	<b>53.1%</b>		

**Top 100 U.S. Fields Ranked by Gas Proved Reserves from Estimated 2008 Field Level Data,  
Total Wet Gas After Lease Separation (Continued)**  
(billion cubic feet)

2008 Rank	Field Name	Location	2008 Estimated Production Volume	Rank Group		Discovery Year	2007 Rank
				Proved Reserves	Nonproducing Reserves		
51	MOCANE-LAVERNE GAS AREA	KS & OK & TX	54.1			1946	52
52	CEDARDALE NE	OK	36.6			1957	61
53	HALEY	TX	94.7			1983	45
54	GIDDINGS	TX	88.1			1960	57
55	DRUNKARDS WASH	UT	49.4			1989	53
56	WATONGA-CHICKASHA-TREND	OK	42.0			1948	64
57	BUZZARD CREEK	CO	3.7			1955	NA
58	GOLDEN TREND	OK	35.1			1945	54
59	NORA	VA	35.6			1949	48
60	BELUGA RIVER	AK	42.9			1962	60
61	SULPHUR CREEK	CO	10.5			1955	79
62	OVERTON	TX	44.1			1973	59
63	HONDO	FP	15.6			1969	63
64	TRAIL RIDGE	CO	7.2			1990	83
65	BRUFF	WY	31.0			1969	73
66	BETHANY-LONGSTREET	LA & TX	38.9			1921	82
67	MAYFIELD NE	OK	58.8			1951	58
68	RILEY RIDGE	WY	0.2			1980	69
69	BRACHFIELD SE	TX	30.1			1981	NA
70	TIP TOP	WY	14.7			1928	68
71	COALGATE NE	OK	15.8			1978	84
72	GARDEN BANKS BLK 506	FG	0.1			2007	170
73	MINDEN	TX	35.1			1954	41
74	SHO-VEL-TUM	OK	37.9			1905	66
75	VERDEN	OK	33.0	(51-100)		1948	70
76	WASSON	TX	42.5			1937	65
77	SHREVEPORT	LA	9.2			1913	NA
78	MISSISSIPPI CANYON BLK 778 (THUNDER HORSE)	FG	9.1			1999	78
79	TIERNEY	WY	8.9			1973	86
80	ELK CITY	OK	41.8			1947	72
81	SAVELL	TX	63.5			1997	153
82	BRUSH CREEK	CO	10.9			1985	104
83	GOMEZ	TX	33.8			1963	75
84	ARKOMA BASIN (WOODFORD)	OK	26.7			1979	NA
85	KINTA	OK	40.5			1914	76
86	DEW	TX	25.9			1982	80
87	VEGA	CO	10.5			1977	125
88	YATES	TX	98.6			1926	106
89	DOWDY RANCH	TX	31.7			1999	77
90	BEGERT	TX	5.9			2007	NA
91	JOHN AMORUSO	TX	114.0			2005	56
92	WAYNOKA NE	OK	23.6			1956	85
93	CEMENT	OK	36.8			1916	81
94	BLUE CREEK COAL DEGAS	AL	22.4			1988	152
95	SLIGO	LA	35.3			1922	71
96	FRENCHIE DRAW	WY	14.0			1961	89
97	WILBURTON	OK	29.2			1941	93
98	EUGENE IS BLK 24	FG	17.7			1980	NA
99	WOODARDVILLE	LA	23.5			1976	NA
100	MENDOTA NW	TX	39.1			1962	118
<b>Top 100 Volume Subtotal</b>			<b>10,530.7</b>	<b>154,870.5</b>	<b>54,201.9</b>		
<b>Top 100 Percentage of U.S. Total</b>			<b>49.2%</b>	<b>60.7%</b>	<b>63.4%</b>		

NA=Not ranked in the top 200 in 2007.

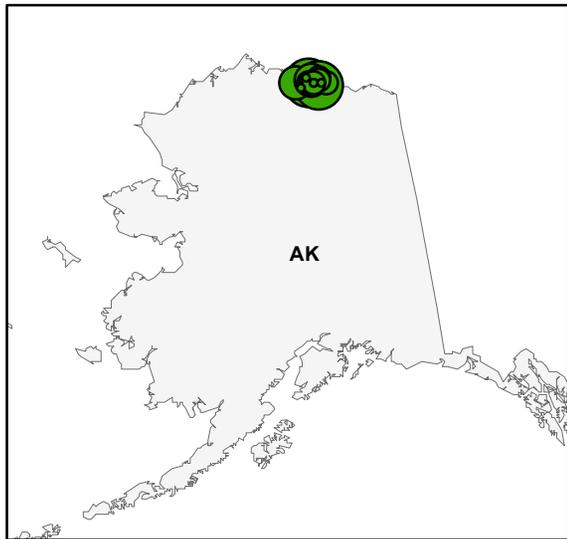
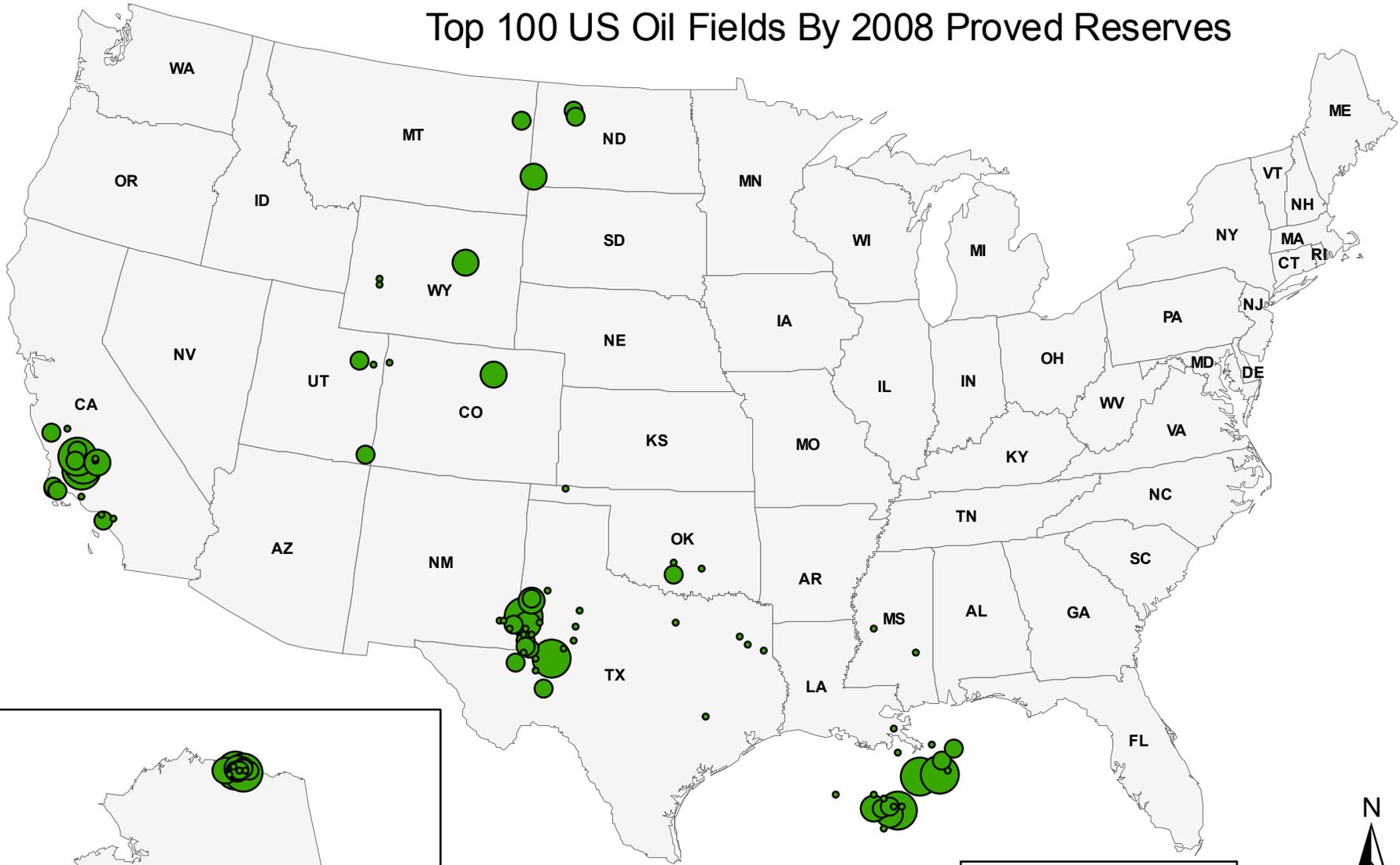
Note: The U.S. total production estimate of 20,318 billion cubic feet and the U.S. total reserves estimate of 247,789 billion cubic feet, used to calculate the percentages in this table, are from Table 6 in *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Proved Reserves, 2008*. Column totals may not add due to independent rounding.

FP = Federal Offshore Pacific.

FG = Federal Offshore Gulf of Mexico.

Source: Energy Information Administration, Office of Oil and Gas.

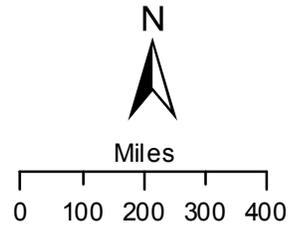
# Top 100 US Oil Fields By 2008 Proved Reserves



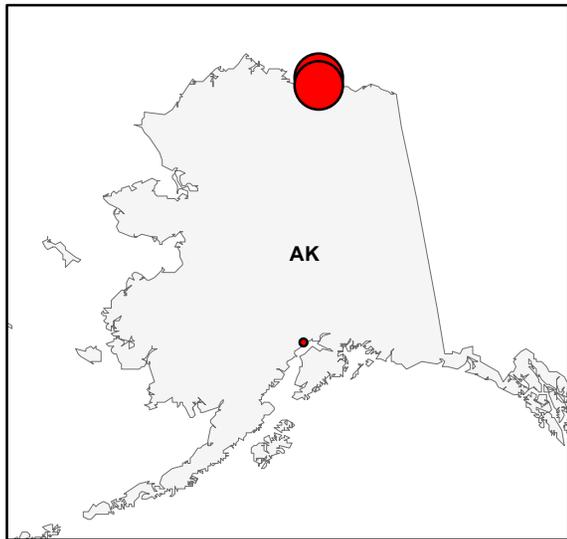
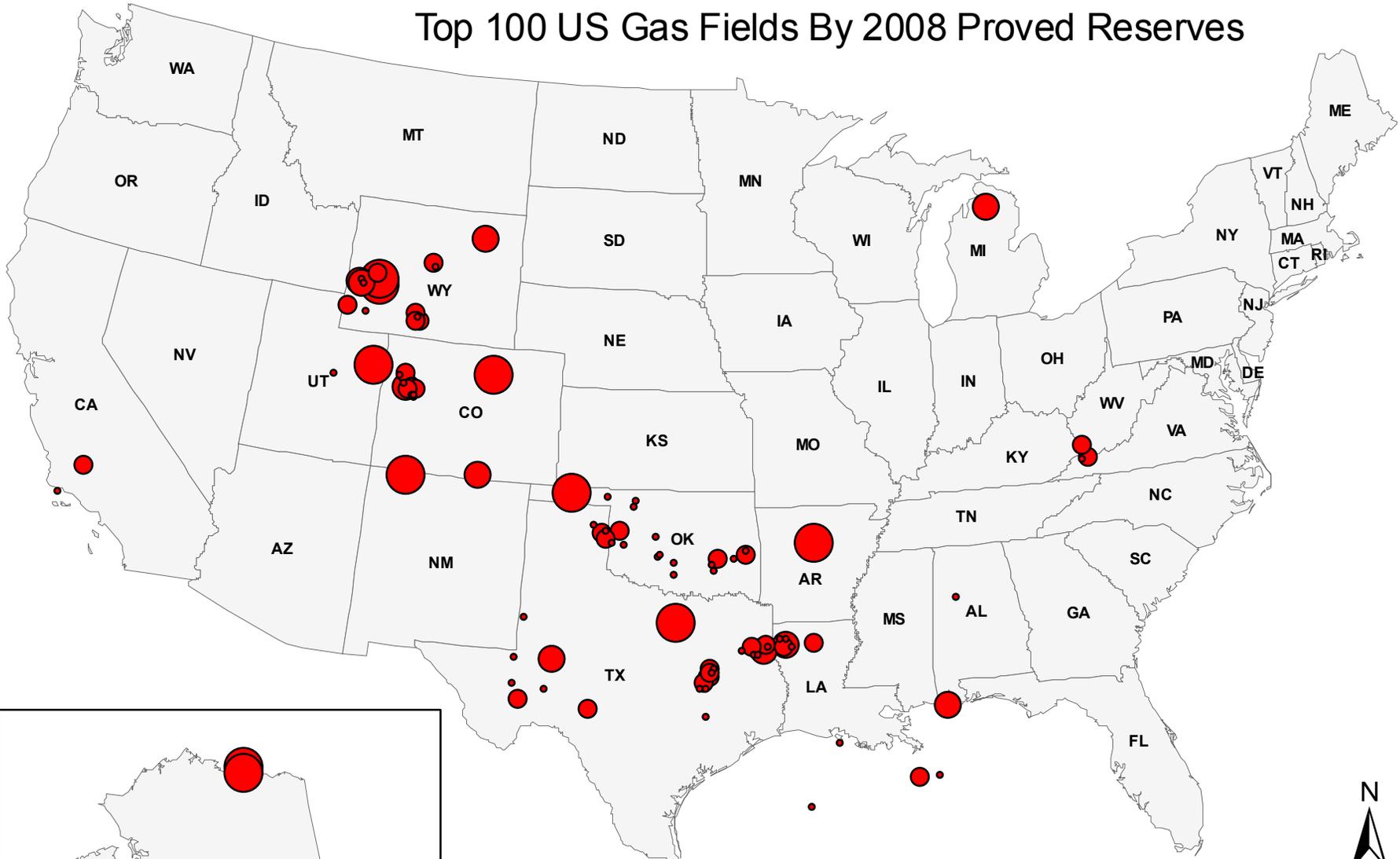
MAP DATE: 12-29-2009

DATA SOURCES:  
 The Top 100 oil field list is from "U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, 2008 Annual Report", Energy Information Administration.

Some field centerpoints are from "The Significant Oil and Gas Fields of the United States", NRG Associates.



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