

5. Natural Gas Liquids Statistics

Natural Gas Liquids

Proved Reserves

U.S. natural gas liquids proved reserves increased 4 percent to 8,472 million barrels in 2006 (Table 13). Reserves additions replaced 138 percent of 2006 natural gas liquids production.

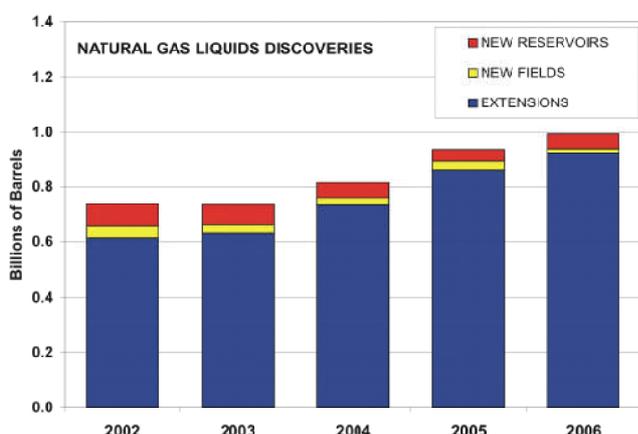
The reserves of seven areas accounted for 88 percent of the Nation's natural gas liquids proved reserves.

Area	Percent of U.S. NGL Reserves
Texas	39
Oklahoma	11
Utah and Wyoming	10
New Mexico	10
Gulf of Mexico Federal Offshore	8
Colorado	6
Alaska	4
Area Total	88

The volumes of natural gas liquids proved reserves and production shown in Table 13 are the sum of the natural gas plant liquid volumes listed in Table 14 and the lease condensate volumes listed in Table 15.

Total Discoveries

Total discoveries of natural gas liquids reserves were 993 million barrels in 2006, an increase of 6 percent from 2005 (937 million barrels) (see graph below).



Areas with the largest total discoveries were:

Area	Percent of U.S. NGL Total Discoveries
Texas	53
Utah and Wyoming	12
Oklahoma	11
Gulf of Mexico Federal Offshore	6
Colorado	6
New Mexico	5
Louisiana	5
Area Total	98

Extensions

Extensions were 924 million barrels in 2006, 7 percent more than the 2005 volume of 863 million barrels. Areas with the largest extensions were Texas (55 percent of the National total), Utah and Wyoming (13 percent), Oklahoma (11 percent), and Colorado (6 percent).

New Field Discoveries

New field discoveries in 2006 (16 million barrels) were 50 percent lower than in 2005 (32 million barrels). Areas with the largest new field discoveries were the Gulf of Mexico Federal Offshore (38 percent) and Texas (31 percent).

New Reservoir Discoveries in Old Fields

New reservoir discoveries in old fields in 2006 (53 million barrels) were 26 percent higher than they were in 2005 (42 million barrels). Areas with the largest new reservoir discoveries in old fields were the Gulf of Mexico Federal Offshore (36 percent of the National total), Louisiana (26 percent), and Texas (23 percent).

Revisions and Adjustments

In 2006, there were 845 million barrels of revision increases, 1,010 million barrels of revision decreases, and 173 million barrels of adjustments. The net of revisions and adjustments was 8 million barrels.

Table 13. Natural Gas Liquids Proved Reserves, Reserves Changes, and Production, 2006^a
(Million Barrels of 42 U.S. Gallons)

State and Subdivision	Published Proved Reserves 12/31/05	Changes in Reserves During 2006							New Reservoir Discoveries in Old Fields (+)	Estimated Production (-)	Proved Reserves 12/31/06
		Adjustments (+,-)	Revision Increases (+)	Revision Decreases (-)	Sales (-)	Acquisitions (+)	Extensions (+)	New Field Discoveries (+)			
Alaska	352	0	0	0	0	0	0	0	0	14	338
Lower 48 States	7,813	173	845	1,010	931	1,048	924	16	53	797	8,134
Alabama	61	9	5	5	17	5	3	0	0	5	56
Arkansas	3	2	0	1	0	0	0	0	0	0	4
California	137	8	8	19	17	18	8	0	0	11	132
Coastal Region Onshore	16	5	3	1	7	6	1	0	0	1	22
Los Angeles Basin Onshore	9	0	0	2	2	5	0	0	0	0	10
San Joaquin Basin Onshore	112	3	5	16	8	7	7	0	0	10	100
State Offshore	0	0	0	0	0	0	0	0	0	0	0
Colorado	484	-14	34	41	70	62	54	0	1	32	478
Florida	7	-2	0	2	0	0	0	0	0	0	3
Kansas	224	8	44	54	1	1	6	0	0	19	209
Kentucky	70	30	3	1	21	26	1	0	0	3	105
Louisiana	292	-14	46	51	24	30	36	1	14	50	280
North	83	2	10	11	2	4	11	0	0	8	89
South Onshore	168	-5	32	36	18	25	18	0	11	36	159
State Offshore	41	-11	4	4	4	1	7	1	3	6	32
Michigan	39	-1	10	3	1	0	1	0	0	3	42
Mississippi	7	0	1	0	0	0	1	0	0	1	8
Montana	9	1	1	1	0	0	1	0	0	1	10
New Mexico	840	35	81	67	265	264	44	2	5	78	861
East	271	23	47	38	27	26	28	2	0	37	295
West	569	12	34	29	238	238	16	0	5	41	566
North Dakota	49	6	8	3	6	4	3	0	0	6	55
Oklahoma	839	13	88	96	38	61	105	0	1	81	892
Texas	3,080	53	331	441	243	346	505	5	12	313	3,335
RRC District 1	36	8	4	6	0	0	3	1	0	4	42
RRC District 2 Onshore	91	12	12	24	6	7	13	0	1	16	90
RRC District 3 Onshore	226	20	33	41	31	25	37	2	6	43	234
RRC District 4 Onshore	309	41	55	77	44	47	46	1	4	49	333
RRC District 5	48	-8	10	3	5	8	7	0	0	4	53
RRC District 6	333	16	37	72	20	37	57	0	0	31	357
RRC District 7B	90	-24	18	6	4	5	62	0	0	8	133
RRC District 7C	411	16	25	53	9	19	61	0	0	31	439
RRC District 8	575	-15	52	67	77	97	45	0	1	45	566
RRC District 8A	250	3	20	24	2	1	3	0	0	18	233
RRC District 9	285	-16	11	12	35	83	95	0	0	26	385
RRC District 10	423	1	53	56	10	17	76	0	0	38	466
State Offshore	3	-1	1	0	0	0	0	1	0	0	4
Utah and Wyoming	879	-28	58	87	106	112	118	2	1	62	887
West Virginia	85	19	7	5	18	21	6	0	0	5	110
Federal Offshore ^b	696	47	118	132	104	97	31	6	19	125	653
Pacific (California)	8	1	0	5	0	0	0	0	0	0	4
Gulf of Mexico (Louisiana) ^b	603	44	99	107	84	72	26	6	18	102	575
Gulf of Mexico (Texas)	85	2	19	20	20	25	5	0	1	23	74
Miscellaneous ^c	12	1	2	1	0	1	1	0	0	2	14
U.S. Total	8,165	173	845	1,010	931	1,048	924	16	53	811	8,472

^aThis table is natural gas plant liquids (Table 14) plus lease condensate (Table 15).

^bIncludes Federal offshore Alabama.

^cIncludes Arizona, Illinois, Indiana, Maryland, Missouri, Nebraska, Nevada, New York, Ohio, Oregon, Pennsylvania, South Dakota, Tennessee, and Virginia.

Note: The production estimates in this table are based on data reported on Form EIA-23, "Annual Survey of Domestic Oil and Gas Reserves," and Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production." They may differ from the official Energy Information Administration production data for natural gas and natural gas liquids for 2005 contained in the publications *Petroleum Supply Annual 2005*, DOE/EIA-0340(05) and *Natural Gas Annual 2005* DOE/EIA-0131(05).

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

Table 14. Natural Gas Plant Liquids Proved Reserves and Production, 2006
(Million Barrels of 42 U.S. Gallons)

State and Subdivision	2006 Reserves	2006 Production	State and Subdivision	2006 Reserves	2006 Production
Alaska	338	14	North Dakota	51	6
Lower 48 States	6,795	615	Oklahoma	732	67
Alabama	41	3	Texas	2,913	260
Arkansas	2	0	RRC District 1	32	3
California	130	11	RRC District 2 Onshore	74	12
Coastal Region Onshore	22	1	RRC District 3 Onshore	159	28
Los Angeles Basin Onshore	8	0	RRC District 4 Onshore	246	35
San Joaquin Basin Onshore	100	10	RRC District 5	42	3
State Offshore	0	0	RRC District 6	279	24
Colorado	382	26	RRC District 7B	131	8
Florida	3	0	RRC District 7C	404	29
Kansas	204	18	RRC District 8	547	43
Kentucky	104	3	RRC District 8A	231	18
Louisiana	176	28	RRC District 9	372	24
North	60	5	RRC District 10	396	33
South Onshore	94	19	State Offshore	0	0
State Offshore	22	4	Utah and Wyoming	686	49
Michigan	36	2	West Virginia	109	5
Mississippi	2	0	Federal Offshore ^a	399	67
Montana	10	1	Pacific (California)	0	0
New Mexico	804	68	Gulf of Mexico (Louisiana) ^a	390	65
East	264	32	Gulf of Mexico (Texas)	9	2
West	540	36	Miscellaneous ^b	11	1
			U.S. Total	7,133	629

^aIncludes Federal Offshore Alabama.

^bIncludes Arizona, Illinois, Indiana, Maryland, Missouri, Nebraska, Nevada, New York, Ohio, Oregon, Pennsylvania, South Dakota, Tennessee, and Virginia.

Note: The production estimates in this table are based on data reported on Form EIA-23, "Annual Survey of Domestic Oil and Gas Reserves," and Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production." They may differ from the official Energy Information Administration production data for natural gas plant liquids for 2006 contained in the publications *Petroleum Supply Annual 2006*, DOE/EIA-0340(2006) and *Natural Gas Annual 2006*, DOE/EIA-0131(2006).

Table 15. Lease Condensate Proved Reserves and Production, 2006
(Million Barrels of 42 U.S. Gallons)

State and Subdivision	2006 Reserves	2006 Production	State and Subdivision	2006 Reserves	2006 Production
Alaska	0	0	North Dakota	4	0
Lower 48 States	1,339	182	Oklahoma	160	14
Alabama	15	2	Texas	422	53
Arkansas	2	0	RRC District 1	10	1
California	2	0	RRC District 2 Onshore	16	4
Coastal Region Onshore	0	0	RRC District 3 Onshore	75	15
Los Angeles Basin Onshore	2	0	RRC District 4 Onshore	87	14
San Joaquin Basin Onshore	0	0	RRC District 5	11	1
State Offshore	0	0	RRC District 6	78	7
Colorado	96	6	RRC District 7B	2	0
Florida	0	0	RRC District 7C	35	2
Kansas	5	1	RRC District 8	19	2
Kentucky	1	0	RRC District 8A	2	0
Louisiana	104	22	RRC District 9	13	2
North	29	3	RRC District 10	70	5
South Onshore	65	17	State Offshore	4	0
State Offshore	10	2	Utah and Wyoming	201	13
Michigan	6	1	West Virginia	1	0
Mississippi	6	1	Federal Offshore ^a	254	58
Montana	0	0	Pacific (California)	4	0
New Mexico	57	10	Gulf of Mexico (Louisiana) ^a	185	37
East	31	5	Gulf of Mexico (Texas)	65	21
West	26	5	Miscellaneous ^b	3	1
			U.S. Total	1,339	182

^aIncludes Federal Offshore Alabama.

^bIncludes Arizona, Illinois, Indiana, Maryland, Missouri, Nebraska, Nevada, New York, Ohio, Oregon, Pennsylvania, South Dakota, Tennessee, and Virginia.

Note: The estimates in this table are based on data reported on Form EIA-23, "Annual Survey of Domestic Oil and Gas Reserves" 2006.

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

Sales and Acquisitions

There were 1,048 million barrels of acquisitions and 931 million barrels of sales in 2006. The net of these transactions added 117 million barrels of natural gas liquids proved reserves.

Production

Natural gas liquids production was an estimated 811 million barrels in 2006, an increase of 3 percent from 2005's production (788 million barrels).

Six areas accounted for about 88 percent of the Nation's natural gas liquids production.

Area	Percent of U.S. NGL Production
Texas	39
Gulf of Mexico Federal Offshore	15
Oklahoma	10
New Mexico	10
Utah and Wyoming	8
Louisiana	6
Area Total	88

Natural Gas Plant Liquids

Proved Reserves

Natural gas plant liquids proved reserves increased in 2006 to 7,133 million barrels, a 3 percent increase from the 2005 level (6,903 million barrels) (Table 14). Six areas accounted for about 83 percent of the Nation's natural gas plant liquids proved reserves:

Area	Percent of U.S. Gas Plant Liquids
Texas	41
New Mexico	11
Oklahoma	10
Utah and Wyoming	10
Gulf of Mexico Federal Offshore	6
Colorado	5
Area Total	83

Production

Natural gas plant liquids production increased 2 percent in 2006—from 614 million barrels in 2005 to 629 million barrels of production (Table 14).

At the time of the Form EIA-64A survey mailout, the number of unique active U.S. natural gas processing plants had increased from 489 in 2005 to 491 in 2006.

The top six areas for proved reserves of natural gas plant liquids accounted for about 86 percent of the Nation's natural gas plant liquids production:

Area	Percent of U.S. Gas Plant Liquids Production
Texas	41
New Mexico	11
Oklahoma	11
Gulf of Mexico Federal Offshore	11
Utah and Wyoming	8
Colorado	4
Area Total	86

Natural gas processing plants are usually located in the same general area where the natural gas is produced. Table E4 in Appendix E lists the volumes of natural gas produced and processed in the same State, and the volumes of liquids extracted.

Lease Condensate

Proved Reserves

Proved reserves of lease condensate in the United States were 1,339 million barrels in 2006 (Table 15). This was 6 percent higher than the volume reported in 2005 (1,262 million barrels). The reserves of five areas accounted for about 86 percent of the Nation's lease condensate proved reserves.

Area	Percent of U.S. Condensate Reserves
Texas	32
Gulf of Mexico Federal Offshore	19
Utah and Wyoming	15
Oklahoma	12
Louisiana	8
Area Total	86

Production

Production of lease condensate was 182 million barrels in 2006, an increase of 5 percent from 2005's production (174 million barrels). The production of five areas accounted for about 88 percent of the Nation's lease condensate production.

Area	Percent of U.S. Condensate Production
Gulf of Mexico Federal Offshore	32
Texas	29
Louisiana	12
Oklahoma	8
Utah and Wyoming	7
Area Total	88

Reserves in Nonproducing Status

Like crude oil and natural gas, not all lease condensate proved reserves were producing during 2006. Proved reserves of 504 million barrels of lease condensate, an increase of 17 percent from 2005's level (430 million barrels), were reported in nonproducing status in 2006 (**Appendix D, Table D10**). About 27 percent of the nonproducing lease condensate reserves were located in Texas and 26 percent were in the Gulf of Mexico Federal Offshore.