

5. Natural Gas Liquids Statistics

Natural Gas Liquids

Proved Reserves

U.S. natural gas liquids proved reserves increased 8 percent to 9,143 million barrels in 2007 (Table 13). Reserves additions replaced 181 percent of 2007 natural gas liquids production.

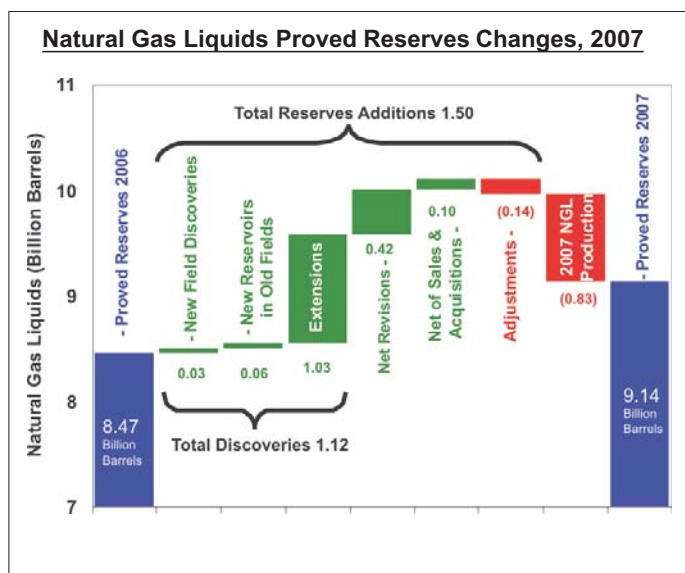
The reserves of seven areas accounted for 88 percent of the Nation's natural gas liquids proved reserves.

Area	Percent of U.S. NGL Reserves
Texas	40
Utah and Wyoming	12
Oklahoma	10
New Mexico	9
Gulf of Mexico Federal Offshore	7
Colorado	6
Alaska	4
Area Subtotal	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.

Discussion of Reserves Changes

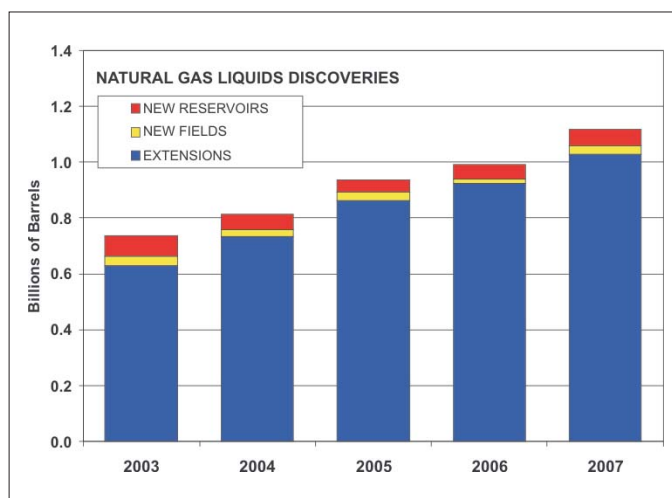
The following graphic portrays the beginning- and end-of-year natural gas liquids proved reserves, and the components of natural gas liquids proved reserves



change during 2007, at the same volumetric scale. Note that the scale starts at 7 billion barrels rather than at zero.

Total Discoveries

Total discoveries of natural gas liquids reserves were 1,118 million barrels in 2007, an increase of 13 percent from 2006 (993 million barrels) (see graph below).



Areas with the largest total discoveries were:

Area	Percent of 2007 U.S. NGL Total Discoveries
Texas	46
Utah and Wyoming	18
Oklahoma	11
Gulf of Mexico Federal Offshore	7
Colorado	6
Louisiana	4
New Mexico	4
Area Subtotal	96

Extensions

Extensions were 1,030 million barrels in 2007, 62 percent more than the 2006 volume of 924 million barrels. Areas with the largest extensions were Texas (47 percent of the National total), Utah and Wyoming (20 percent), Oklahoma (12 percent), and Colorado (7 percent).

Table 13. Natural Gas Liquids Proved Reserves, Reserves Changes, and Production, 2007^a
(million barrels of 42 U.S. gallons)

State and Subdivision	Published Proved Reserves 12/31/06	Changes in Reserves During 2007									Proved Reserves 12/31/07	
		Adjustments (+,-)	Revision Increases (+)	Revision Decreases (-)	Sales (-)	Acquisitions (+)	Extensions (+)	New Field Discoveries (+)	New Reservoir Discoveries in Old Fields (+)	Estimated Production (-)		
Alaska	338	0	0	0	0	0	0	0	0	0	13	325
Lower 48 States	8,134	-139	1,187	765	670	771	1,030	30	58	818	8,818	
Alabama	56	-13	2	2	4	16	2	0	0	4	53	
Arkansas	4	-2	0	0	0	0	1	0	0	0	3	
California	132	0	16	15	7	10	1	0	0	11	126	
Coastal Region Onshore	22	-7	2	2	0	0	0	0	0	1	14	
Los Angeles Basin Onshore	10	1	1	3	0	0	0	0	0	0	9	
San Joaquin Basin Onshore	100	6	13	10	7	10	1	0	0	10	103	
State Offshore	0	0	0	0	0	0	0	0	0	0	0	
Colorado	478	-23	105	23	22	10	67	0	0	33	559	
Florida	3	-2	2	0	1	0	0	0	0	0	2	
Kansas	209	-9	22	12	3	3	7	0	0	19	198	
Kentucky	105	-23	2	5	0	0	13	0	0	3	89	
Louisiana	280	33	49	48	42	35	36	0	10	50	303	
North	89	14	11	8	27	15	16	0	0	10	100	
South Onshore	159	11	30	32	10	16	19	0	7	32	168	
State Offshore	32	8	8	8	5	4	1	0	3	8	35	
Michigan	42	7	11	4	15	17	0	0	0	3	55	
Mississippi	8	0	1	1	0	1	1	0	0	1	9	
Montana	10	1	1	1	0	0	1	0	0	1	11	
New Mexico	861	17	126	117	33	25	39	1	1	76	844	
East	295	11	39	35	21	19	33	1	1	37	306	
West	566	6	87	82	12	6	6	0	0	39	538	
North Dakota	55	1	8	7	4	5	6	0	0	6	58	
Oklahoma	892	-4	110	73	93	80	119	0	2	84	949	
Texas	3,335	-113	428	291	389	495	484	5	29	325	3,658	
RRC District 1	42	12	3	6	12	12	3	0	0	5	49	
RRC District 2 Onshore	90	4	14	12	12	15	27	0	1	16	111	
RRC District 3 Onshore	234	-3	35	42	43	99	23	3	6	41	271	
RRC District 4 Onshore	333	-2	47	42	71	56	46	2	8	50	327	
RRC District 5	53	-8	10	5	0	0	10	0	0	4	56	
RRC District 6	357	-24	79	35	8	14	73	0	3	33	426	
RRC District 7B	133	4	16	7	4	7	68	0	0	14	203	
RRC District 7C	439	35	34	21	170	173	33	0	0	32	491	
RRC District 8	566	-52	61	53	26	39	58	0	10	45	558	
RRC District 8A	233	8	45	17	1	2	11	0	0	19	262	
RRC District 9	385	-78	34	6	2	0	59	0	1	26	367	
RRC District 10	466	-9	50	44	40	78	73	0	0	40	534	
State Offshore	4	0	0	1	0	0	0	0	0	0	3	
Utah and Wyoming	887	-5	173	64	16	28	205	0	0	68	1,140	
West Virginia	110	0	8	9	0	1	10	0	0	5	115	
Federal Offshore ^b	653	-7	116	91	41	45	36	24	16	127	624	
Pacific (California)	4	0	0	0	0	0	0	0	0	0	4	
Gulf of Mexico (Louisiana) ^b	575	-3	90	84	40	44	25	13	16	108	528	
Gulf of Mexico (Texas)	74	-4	26	7	1	1	11	11	0	19	92	
Miscellaneous ^c	14	3	7	2	0	0	2	0	0	2	22	
U.S. Total	8,472	-139	1,187	765	670	771	1,030	30	58	831	9,143	

^aThis table is natural gas plant liquids plus lease condensate.

^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 2007 contained in the publications *Petroleum Supply Annual 2007*, DOE/EIA-0340(07) and *Natural Gas Annual 2007* DOE/EIA-0131(07).

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

Table 14. Natural Gas Plant Liquids Proved Reserves and Production, 2007
(million barrels of 42 U.S. gallons)

State and Subdivision	2007 Reserves	2007 Production	State and Subdivision	2007 Reserves	2007 Production
Alaska	325	13	North Dakota	54	6
Lower 48 States	7,323	637	Oklahoma	797	69
Alabama	32	2	Texas	3,158	272
Arkansas	2	0	RRC District 1	43	4
California	126	11	RRC District 2 Onshore	94	13
Coastal Region Onshore	14	1	RRC District 3 Onshore	143	25
Los Angeles Basin Onshore	9	0	RRC District 4 Onshore	250	37
San Joaquin Basin Onshore	103	10	RRC District 5	50	3
State Offshore	0	0	RRC District 6	324	26
Colorado	452	27	RRC District 7B	200	13
Florida	2	0	RRC District 7C	464	30
Kansas	194	18	RRC District 8	525	43
Kentucky	88	3	RRC District 8A	260	19
Louisiana	191	30	RRC District 9	347	24
North	69	6	RRC District 10	458	35
South Onshore	97	18	State Offshore	0	0
State Offshore	25	6	Utah and Wyoming	878	54
Michigan	50	3	West Virginia	114	5
Mississippi	3	0	Federal Offshorea	369	69
Montana	11	1	Pacific (California)	0	0
New Mexico	788	66	Gulf of Mexico (Louisiana)a	365	68
East	274	32	Gulf of Mexico (Texas)	4	1
West	514	34	Miscellaneousb	14	1
			U.S. Total	7,648	650

^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 2007 contained in the publications *Petroleum Supply Annual 2007*, DOE/EIA-0340(2007) and *Natural Gas Annual 2007*, DOE/EIA-0131(2007).

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

Table 15. Lease Condensate Proved Reserves and Production, 2007
(million barrels of 42 U.S. gallons)

State and Subdivision	2007 Reserves	2007 Production	State and Subdivision	2007 Reserves	2007 Production
Alaska	0	0	North Dakota	4	0
Lower 48 States	1,495	181	Oklahoma	152	15
Alabama	21	2	Texas	500	53
Arkansas	1	0	RRC District 1	6	1
California	0	0	RRC District 2 Onshore	17	3
Coastal Region Onshore	0	0	RRC District 3 Onshore	128	16
Los Angeles Basin Onshore	0	0	RRC District 4 Onshore	77	13
San Joaquin Basin Onshore	0	0	RRC District 5	6	1
State Offshore	0	0	RRC District 6	102	7
Colorado	107	6	RRC District 7B	3	1
Florida	0	0	RRC District 7C	27	2
Kansas	4	1	RRC District 8	33	2
Kentucky	1	0	RRC District 8A	2	0
Louisiana	112	20	RRC District 9	20	2
North	31	4	RRC District 10	76	5
South Onshore	71	14	State Offshore	3	0
State Offshore	10	2	Utah and Wyoming	262	14
Michigan	5	0	West Virginia	1	0
Mississippi	6	1	Federal Offshore a	255	58
Montana	0	0	Pacific (California)	4	0
New Mexico	56	10	Gulf of Mexico (Louisiana)a	163	40
East	32	5	Gulf of Mexico (Texas)	88	18
West	24	5	Miscellaneous b	8	1
			U.S. Total	1,495	181

^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" 2007.

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

New Field Discoveries

New field discoveries in 2007 (30 million barrels) were 88 percent higher than in 2006 (16 million barrels). Areas with the largest new field discoveries were the Gulf of Mexico Federal Offshore (80 percent) and Texas (17 percent).

New Reservoir Discoveries in Old Fields

New reservoir discoveries in old fields in 2007 (58 million barrels) were 9 percent higher than they were in 2006 (53 million barrels). Areas with the largest new reservoir discoveries in old fields were Texas (50 percent of the National total), the Gulf of Mexico Federal Offshore (28 percent), and Louisiana (17 percent).

Revisions and Adjustments

In 2007, there were 1,187 million barrels of revision increases, 765 million barrels of revision decreases, and -139 million barrels of adjustments. The net of revisions and adjustments was 283 million barrels.

Sales and Acquisitions

There were 771 million barrels of acquisitions and 670 million barrels of sales in 2007. The net of these transactions added 101 million barrels of natural gas liquids proved reserves.

Production

Natural gas liquids production was an estimated 831 million barrels in 2007, an increase of 2 percent from 2006's production (811 million barrels).

Six areas accounted for about 87 percent of the Nation's natural gas liquids production.

Area	Percent of 2007 U.S. NGL Production
Texas	39
Gulf of Mexico Federal Offshore	15
Oklahoma	10
New Mexico	9
Utah and Wyoming	8
Louisiana	6
Area Subtotal	87

Natural Gas Plant Liquids

Proved Reserves

Natural gas plant liquids proved reserves increased in 2007 to 7,648 million barrels, a 7-percent increase from the 2006 level (7,133 million barrels) (**Table 14**).

Six areas accounted for about 83 percent of the Nation's natural gas plant liquids proved reserves:

Area	Percent of 2007 U.S. Gas Plant Liquids
Texas	41
Utah and Wyoming	11
Oklahoma	10
New Mexico	10
Colorado	6
Gulf of Mexico Federal Offshore	5
Area Subtotal	83

Production

Natural gas plant liquids production increased 3 percent in 2007—from 629 million barrels in 2006 to 650 million barrels of production (**Table 14**).

The top six areas for proved reserves of natural gas plant liquids accounted for about 87 percent of the Nation's natural gas plant liquids production:

Area	Percent of 2007 U.S. Gas Plant Liquids Production
Texas	42
Oklahoma	11
Gulf of Mexico Federal Offshore	11
New Mexico	10
Utah and Wyoming	8
Louisiana	5
Area Subtotal	87

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 1,495 million barrels in 2007 (**Table 15**). This was 12 percent higher than the volume reported in 2006 (1,339 million barrels).

The reserves of five areas accounted for about 85 percent of the Nation's lease condensate proved reserves.

Area	Percent of 2007 U.S. Condensate Reserves
Texas	33
Utah and Wyoming	18
Gulf of Mexico Federal Offshore	17
Oklahoma	10
Louisiana	7
Area Subtotal	85

Production

Production of lease condensate was 181 million barrels in 2007, a slight decrease from 2006's production (182 million barrels). The production of 5 areas accounted for about 88 percent of the Nation's lease condensate production.

Area	Percent of 2007 U.S. Condensate Production
Gulf of Mexico Federal Offshore	32
Texas	29
Louisiana	11
Oklahoma	8
Utah and Wyoming	8
Area Subtotal	88

Reserves in Nonproducing Status

Like crude oil and natural gas, not all lease condensate proved reserves were producing during 2007. Proved reserves of 559 million barrels of lease condensate, an increase of 11 percent from 2006's level (504 million barrels), were reported in nonproducing status in 2007 (**Appendix D, Table D10**). About 25 percent of the nonproducing lease condensate reserves were located in Texas, 24 percent in Utah and Wyoming, and 21 percent were in the Gulf of Mexico Federal Offshore.