

## 5. Natural Gas Liquids Statistics

### Natural Gas Liquids

#### Proved Reserves

U.S. natural gas liquids proved reserves increased 3 percent to 8,165 million barrels in 2005 (Table 13). Reserve additions replaced 130 percent of 2005 natural gas liquids production.

The reserves of seven areas account for 87 percent of the Nation's natural gas liquids proved reserves.

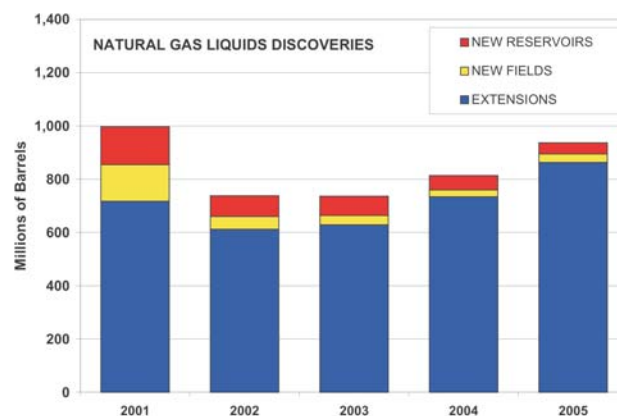
Area	Percent of U.S. NGL Reserves
Texas	38
Utah and Wyoming	11
Oklahoma	10
New Mexico	10
Gulf of Mexico Federal Offshore	8
Colorado	6
Alaska	4
<b>Area Total</b>	<b>87</b>

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 937 million barrels in 2005, an increase of 15 percent from 2004 (814 million barrels). Areas with the largest total discoveries were:

Area	Percent of U.S. NGL Total Discoveries
Texas	54
Oklahoma	10
Utah and Wyoming	8
Gulf of Mexico Federal Offshore	8
New Mexico	6
Louisiana	6
Colorado	6



#### Extensions

Extensions were 863 million barrels in 2005, 18 percent more than the 2004 volume of 734 million barrels. Areas with the largest extensions were Texas (57 percent of the National total), Oklahoma (10 percent), Utah and Wyoming (9 percent), and New Mexico (6 percent).

#### New Field Discoveries

New field discoveries in 2005 (32 million barrels) were 23 percent higher than in 2004 (26 million barrels). Areas with the largest new field discoveries were the Gulf of Mexico Federal Offshore (66 percent) and Texas (25 percent).

#### New Reservoir Discoveries in Old Fields

New reservoir discoveries in old fields in 2005 (42 million barrels) were 22 percent lower than they were in 2004 (54 million barrels). Areas with the largest new reservoir discoveries in old fields were the Gulf of Mexico Federal Offshore (50 percent of the National total), Louisiana (29 percent), and Texas (17 percent).

#### Revisions and Adjustments

In 2005, there were 968 million barrels of revision increases, 947 million barrels of revision decreases, and -89 million barrels of adjustments. The net of revisions and adjustments was -68 million barrels.

**Table 13. Natural Gas Liquids Proved Reserves, Reserves Changes, and Production, 2005<sup>a</sup>**  
(Million Barrels of 42 U.S. Gallons)

State and Subdivision	Published Proved Reserves 12/31/04	Changes in Reserves During 2005									Proved Reserves 12/31/05
		Adjustments (+,-)	Revision Increases (+)	Revision Decreases (-)	Sales (-)	Acquisitions (+)	Extensions (+)	New Field Discoveries (+)	New Reservoir Discoveries in Old Fields (+)	Estimated Production (-)	
Alaska	369	0	0	0	0	0	0	0	0	17	352
<b>Lower 48 States</b>	<b>7,559</b>	<b>-89</b>	<b>968</b>	<b>947</b>	<b>440</b>	<b>596</b>	<b>863</b>	<b>32</b>	<b>42</b>	<b>771</b>	<b>7,813</b>
Alabama	50	0	2	1	14	28	1	0	0	5	61
Arkansas	3	0	0	0	0	0	0	0	0	0	3
California	122	-6	31	6	8	10	5	0	0	11	137
Coastal Region Onshore	19	-3	2	1	0	0	0	0	0	1	16
Los Angeles Basin Onshore	8	0	1	1	0	1	0	0	0	0	9
San Joaquin Basin Onshore	95	-3	28	4	8	9	5	0	0	10	112
State Offshore	0	0	0	0	0	0	0	0	0	0	0
Colorado	465	-19	55	54	33	49	51	1	0	31	484
Florida	12	-5	0	0	0	0	0	0	0	0	7
Kansas	271	-25	12	20	2	3	5	0	0	20	224
Kentucky	72	-9	8	2	0	0	3	1	0	3	70
Louisiana	263	20	42	37	11	15	40	0	12	52	292
North	74	-3	7	4	1	2	15	0	0	7	83
South Onshore	153	19	30	28	7	10	22	0	7	38	168
State Offshore	36	4	5	5	3	3	3	0	5	7	41
Michigan	48	-7	3	3	1	1	1	0	0	3	39
Mississippi	6	1	1	1	0	1	0	0	0	1	7
Montana	6	3	1	1	0	0	1	0	0	1	9
New Mexico	864	-12	96	106	58	78	55	0	0	77	840
East	274	-14	33	32	39	54	33	0	0	38	271
West	590	2	63	74	19	24	22	0	0	39	569
North Dakota	43	2	5	3	0	2	5	0	0	5	49
Oklahoma	790	16	159	149	25	35	89	0	2	78	839
Texas	2,801	27	344	371	249	316	491	8	7	294	3,080
RRC District 1	36	2	2	3	2	2	3	0	0	4	36
RRC District 2 Onshore	79	6	9	12	9	14	16	1	1	14	91
RRC District 3 Onshore	221	3	36	38	8	9	36	4	3	40	226
RRC District 4 Onshore	326	-16	44	47	30	34	41	1	2	46	309
RRC District 5	53	-15	6	4	1	1	11	0	1	4	48
RRC District 6	304	-4	23	33	17	35	53	0	0	28	333
RRC District 7B	43	-10	16	6	3	13	44	0	0	7	90
RRC District 7C	383	-4	35	43	23	24	68	1	0	30	411
RRC District 8	499	12	47	68	41	64	106	1	0	45	575
RRC District 8A	197	24	36	14	21	42	5	0	0	19	250
RRC District 9	235	38	29	46	19	25	47	0	0	24	285
RRC District 10	420	-9	61	55	75	53	61	0	0	33	423
State Offshore	5	0	0	2	0	0	0	0	0	0	3
Utah and Wyoming	927	-85	81	72	4	15	79	0	0	62	879
West Virginia	85	-16	12	1	0	2	7	0	0	4	85
Federal Offshore <sup>b</sup>	721	26	114	119	35	41	29	21	21	123	696
Pacific (California)	8	0	0	0	0	0	0	0	0	0	8
Gulf of Mexico (Louisiana) <sup>b</sup>	615	29	89	102	34	37	27	21	19	98	603
Gulf of Mexico (Texas)	98	-3	25	17	1	4	2	0	2	25	85
Miscellaneous <sup>c</sup>	10	0	2	1	0	0	1	1	0	1	12
<b>U.S. Total</b>	<b>7,928</b>	<b>-89</b>	<b>968</b>	<b>947</b>	<b>440</b>	<b>596</b>	<b>863</b>	<b>32</b>	<b>42</b>	<b>788</b>	<b>8,165</b>

<sup>a</sup>This table is natural gas plant liquids (Table 14) plus lease condensate (Table 15).

<sup>b</sup>Includes Federal offshore Alabama.

<sup>c</sup>Includes 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, 2005**  
(Million Barrels of 42 U.S. Gallons)

State and Subdivision	2005 Reserves	2005 Production	State and Subdivision	2005 Reserves	2005 Production
Alaska . . . . .	352	17	North Dakota . . . . .	45	5
<b>Lower 48 States . . . . .</b>	<b>6,551</b>	<b>597</b>	Oklahoma . . . . .	697	65
Alabama . . . . .	31	2	Texas . . . . .	2,723	247
Arkansas . . . . .	2	0	RRC District 1 . . . . .	31	3
California . . . . .	135	11	RRC District 2 Onshore . . . . .	72	11
Coastal Region Onshore . . . . .	16	1	RRC District 3 Onshore . . . . .	148	26
Los Angeles Basin Onshore . . . . .	9	0	RRC District 4 Onshore . . . . .	238	33
San Joaquin Basin Onshore . . . . .	110	10	RRC District 5 . . . . .	40	3
State Offshore . . . . .	0	0	RRC District 6 . . . . .	264	22
Colorado . . . . .	386	26	RRC District 7B . . . . .	89	7
Florida . . . . .	7	0	RRC District 7C . . . . .	391	27
Kansas . . . . .	218	19	RRC District 8 . . . . .	559	43
Kentucky . . . . .	69	3	RRC District 8A . . . . .	248	19
Louisiana . . . . .	191	29	RRC District 9 . . . . .	276	23
North . . . . .	57	4	RRC District 10 . . . . .	367	30
South Onshore . . . . .	103	20	State Offshore . . . . .	0	0
State Offshore . . . . .	31	5	Utah and Wyoming . . . . .	710	50
Michigan . . . . .	36	3	West Virginia . . . . .	84	4
Mississippi . . . . .	2	0	Federal Offshore <sup>a</sup> . . . . .	416	61
Montana . . . . .	9	1	Pacific (California) . . . . .	0	0
New Mexico . . . . .	781	70	Gulf of Mexico (Louisiana) <sup>a</sup> . . . . .	407	59
East . . . . .	237	33	Gulf of Mexico (Texas) . . . . .	9	2
West . . . . .	544	37	Miscellaneous <sup>b</sup> . . . . .	9	1
			<b>U.S. Total . . . . .</b>	<b>6,903</b>	<b>614</b>

<sup>a</sup>Includes Federal Offshore Alabama.

<sup>b</sup>Includes 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 2005 contained in the publications *Petroleum Supply Annual 2005*, DOE/EIA-0340(2005) and *Natural Gas Annual 2005*, DOE/EIA-0131(2005).

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

**Table 15. Lease Condensate Proved Reserves and Production, 2005**  
(Million Barrels of 42 U.S. Gallons)

State and Subdivision	2005 Reserves	2005 Production	State and Subdivision	2005 Reserves	2005 Production
Alaska . . . . .	0	0	North Dakota . . . . .	4	0
<b>Lower 48 States. . . . .</b>	<b>1,262</b>	<b>174</b>	Oklahoma . . . . .	142	13
Alabama . . . . .	30	3	Texas . . . . .	357	47
Arkansas . . . . .	1	0	RRC District 1 . . . . .	5	1
California . . . . .	2	0	RRC District 2 Onshore . . . . .	19	3
Coastal Region Onshore . . . . .	0	0	RRC District 3 Onshore . . . . .	78	14
Los Angeles Basin Onshore . . . . .	0	0	RRC District 4 Onshore . . . . .	71	13
San Joaquin Basin Onshore . . . . .	2	0	RRC District 5 . . . . .	8	1
State Offshore . . . . .	0	0	RRC District 6 . . . . .	69	6
Colorado . . . . .	98	5	RRC District 7B . . . . .	1	0
Florida . . . . .	0	0	RRC District 7C . . . . .	20	3
Kansas . . . . .	6	1	RRC District 8 . . . . .	16	2
Kentucky . . . . .	1	0	RRC District 8A . . . . .	2	0
Louisiana . . . . .	101	23	RRC District 9 . . . . .	9	1
North . . . . .	26	3	RRC District 10 . . . . .	56	3
South Onshore . . . . .	65	18	State Offshore . . . . .	3	0
State Offshore . . . . .	10	2	Utah and Wyoming . . . . .	169	12
Michigan . . . . .	3	0	West Virginia . . . . .	1	0
Mississippi . . . . .	5	1	Federal Offshore <sup>a</sup> . . . . .	280	62
Montana . . . . .	0	0	Pacific (California) . . . . .	8	0
New Mexico . . . . .	59	7	Gulf of Mexico (Louisiana) <sup>a</sup> . . . . .	196	39
East . . . . .	34	5	Gulf of Mexico (Texas) . . . . .	76	23
West . . . . .	25	2	Miscellaneous <sup>b</sup> . . . . .	3	0
			<b>U.S. Total . . . . .</b>	<b>1,262</b>	<b>174</b>

<sup>a</sup>Includes Federal Offshore Alabama.

<sup>b</sup>Includes 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" 2005.

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

## Sales and Acquisitions

There were 596 million barrels of acquisitions and 440 million barrels of sales in 2005. The net of these transactions added 156 million barrels of natural gas liquids proved reserves.

## Production

Natural gas liquids production was an estimated 788 million barrels in 2005, a decrease of 5 percent from 2004's production (827 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	37
Gulf of Mexico Federal Offshore	16
Oklahoma	10
New Mexico	10
Utah and Wyoming	8
Louisiana	7
<b>Area Total</b>	<b>88</b>

## Natural Gas Plant Liquids

### Proved Reserves

Natural gas plant liquids proved reserves increased in 2005 to 6,903 million barrels, a 3 percent increase from the 2004 level (6,707 million barrels) (Table 14). Six areas accounted for about 82 percent of the Nation's natural gas plant liquids proved reserves:

Area	Percent of U.S. Gas Plant Liquids
Texas	39
New Mexico	11
Utah and Wyoming	10
Oklahoma	10
Gulf of Mexico Federal Offshore	6
Colorado	6
<b>Area Total</b>	<b>82</b>

## Production

Natural gas plant liquids production decreased 5 percent in 2005—from 645 million barrels in 2004 to 614 million barrels of production (Table 14).

The number of active gas plants increased in 2005. According to survey results from Form EIA-64A, the number of unique active U.S. natural gas processing plants increased from 493 in 2004 to 508 in 2005.

The top six areas for proved reserves of natural gas plant liquids accounted for about 84 percent of the Nation's natural gas plant liquids production:

Area	Percent of U.S. Gas Plant Liquids Production
Texas	40
New Mexico	11
Oklahoma	11
Gulf of Mexico Federal Offshore	10
Utah and Wyoming	8
Colorado	4
<b>Area Total</b>	<b>84</b>

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 1,262 million barrels in 2005 (Table 15). This was 3 percent higher than the volume reported in 2004 (1,221 million barrels). The reserves of five areas accounts for about 82 percent of the Nation's lease condensate proved reserves.

Area	Percent of U.S. Condensate Reserves
Texas	28
Gulf of Mexico Federal Offshore	22
Utah and Wyoming	13
Oklahoma	11
Louisiana	8
<b>Area Total</b>	<b>82</b>

## Production

Production of lease condensate was 174 million barrels in 2005, a decrease of 4 percent from 2004's production (182 million barrels). The production of five areas account for about 90 percent of the Nation's lease condensate production.

<b>Area</b>	<b>Percent of U.S. Condensate Production</b>
Gulf of Mexico Federal Offshore	36
Texas	27
Louisiana	13
Oklahoma	7
Utah and Wyoming	7
<b>Area Total</b>	<b>90</b>

## Reserves in Nonproducing Status

Like crude oil and natural gas, not all lease condensate proved reserves were producing during 2005. Proved reserves of 430 million barrels of lease condensate, an increase of 5 percent from 2004's level (409 million barrels), were reported in nonproducing status in 2005 (**Appendix D, Table D10**). About 29 percent of the nonproducing lease condensate reserves were located in the Gulf of Mexico Federal Offshore.